ANNUAL STATISTICS IN RELATION TO

HYDRO-ELECTRIC DEVELOPMENT AND OPERATION

YEAR ENDING 31ST MARCH 1946

GENERAL MANAGER'S REPORT

For full text of the above report, refer to State Hydro-electric Statement 1946, Appendix pages 5 to 24 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, 1945-46

--	--	1946	1945	Increase or Decrease
(a) Installed Generating-capacity (main stations) ..	kW.	433,912	395,379	+ 38,533
(b) Installed Generating-capacity (standby) ..	kW.	96,635	93,436	+ 3,199
(c) Total connected load (excluding bulk supply) ..	kW.	3,151,154	2,947,988	+ 183,166
(d) Consumers	No.	486,172	473,837	+ 12,335
(e) Units sold per capita	No.	1,097	1,151	- 54
(f) Units sold per consumer	No.	5,888	5,805	+ 83
(g) Route-miles of main and distribution lines ..	R.M.	30,777	30,167	+ 610
(h) Consumers per route-mile of line	No.	15.79	15.74	+ 0.05
(i) Sales (retail) per route-mile of line	Units	61,417	59,774	+ 1,643
(j) Miles of conductor in service	Miles	142,144*	144,271**	- 2,127
(k) Broken poles reported	No.	444	166	+ 278
(l) Broken wires reported	No.	10,513	2,462	+ 8,051
(m) Electrical fires reported	No.	17	16	+ 1
(n) Electrical accidents reported	No.	33 (6 fatal)	30 (9 fatal)	+ 3 - 3
(o) Electric ranges installed	No.	146,143	135,663	+ 10,479
(p) Electric water-heaters installed	No.	175,310	160,694	+ 14,616
(q) Electric milking-machines installed	No.	33,304	31,181	+ 2,123

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

** Including service lines. No returns received from Auckland Electric Power-board and Christchurch City Council

B. SUMMARIZED RESULTS OF OPERATIONS FOR YEAR ENDED 31st MARCH, 1946

Item	--	Water	Steam	Gas	Oil	Total
Number of main stations	No.	24	-	-	5	29
Installed capacity (main plant)	kW.	433,553	-	-	359	433,912
Number of standby plants	No.	17	8	2	21	48
Installed capacity (standby plant)	kW.	9,594	66,887	2,891	17,263	96,635
Units generated	No.	2,259,359,900	96,009,501	-	9,590,113	2,364,959,514
Units sold to consumers						1,890,227,014
Percentage of non-productive units						80
Number of consumers						486,172
Connected load (excluding bulk supply						3,151,154
Total operative capital (including distribution system and standby plant)						£54,112,028
Total capital per kilowatt installed (including distribution systems etc.)						£ 101
Annual working-costs (excluding cost of power purchased in bulk)						£ 2,745,259
Annual working-cost per unit under section 6						0
Annual capital cost (interest, sinking fund, and depreciation)						£ 2,775,938
Annual capital cost per unit under section 6						0
Annual capital cost as a percentage of capital						5
Total annual costs (section 12 plus section 14)						£ 5,521,197
Total annual cost per unit under section 6						0
Total annual revenue (from retail sale of electricity						£ 6,504,360
Average revenue per unit (from sections 19 and 6)						0
Gross revenue (excluding rates and bulk sales)						£ 6,689,459
Net profit (section 21 less section 17)						£ 1,168,262
Ratio of working-costs to gross revenue (section 12 and section 21)						41

TABLES

For reasons of economy in paper, the usual number of tables is not being published for the year ended 31st March 1946, Tabl 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, etc.

Table XI -- [illegible]

TABLE I -- SUMMARY OF FINANCIAL AND OPERATING STATISTICS FOR NORTH ISLAND AND SOUTH ISLAND GOVERNMENT ELECTRIC-POWER S
FOR THE YEAR ENDING 31st MARCH, 1946 (TWELFTH YEAR)

Note:- "North Island system" includes Arapuni-Horahora-Mangahao-Waikaremoana main stations, and Huntly-Kings Wharf-
standby stations, all interconnected. "South Island system" includes Coleridge-Waitaki-Monowai-Arnold (Kaimata)-
main stations and Dobson standby station, all interconnected; also Cobb main station and Stoke standby station, not in
connected.

A. FINANCIAL

	North Island	South Island	Total
CAPITAL OUTLAY			
Assets in operation	14,184,269	9,169,726	23,353,995
Assets not in operation	5,503,768	640,468	6,144,236
Total capital outlay	19,688,037	9,810,194	29,498,231
EVENUE FOR YEAR ..	1,927,144	964,994	2,892,138
orking-costs ..	962,634	317,697	1,280,331
apital charges --			
Interest ..	515,414	333,162	848,576
Depreciation ..	260,767	33,399	294,166
Totals ..	776,181	366,561	1,142,742
TOTAL COSTS FOR YEAR	1,738,815	684,258	2,423,073

	North Island	South Island
Net profit for year ..	188,329	280,736
Transfer from Reserve ..	--	--
Allocation of profits --		
Loan Redemption Account ..	--	137,043
Income Tax, etc. ..	279,981	145,693
Reserve Fund ..		
Totals ..	279,981	280,736
Depreciation Reserve to date	2,382,622	1,226,274
Loan Redemption Fund ..	2,025,045	1,150,237
Reserve Fund to Date ..		
Arrears: Loan Redemption Fund not yet appropriated ..	376,552	176,623

B. OPERATING RESULTS

	1945 - 46 (Twelfth Year)
MAXIMUM LOAD (kilowatts) --	
North Island system	306,400
South Island system	128,640
AVERAGE LOAD (kilowatts) --	
North Island system	179,945
South Island system	69,800
AVERAGE LOAD FACTOR --	
North Island system	58.73
South Island system	54.28
UNITS OUTPUT (GENERATED AND PURCHASED). --	
North Island system	1,576,314,776
South Island system	611,446,304
Combined	2,187,761,080
DISTRIBUTED --	
ts sold --	
rth Island system	1,421,731,549
ıth Island system	530,084,008
Combined	1,951,815,557
unsold (used free of charge) --	
rth Island system	8,206,133
ıth Island system	6,099,942
Combined	14,306,075
ıal units distributed, North Island system	1,429,937,682
ıal units distributed, South Island system	556,183,950
Combined	1,966,121,652
OSSES --	
nsmission and distribution -- Units	Per Cent
rth Island system 146,577,094	9.29
uth Island system 75,262,354	12.31
Combined .. 221,839,448	10.13

	1945 (Twel
REVENUE --	
Per kilowatt (system maximum) --	
North Island system	
South Island system	
Per unit output --	
North Island system	
South Island system	
Per unit distributed --	
North Island system	
South Island system	
Per unit sold --	
North Island system	
South Island system	
WORKING COSTS --	
Per kilowatt (system maximum) --	
North Island system	5
South Island system	2
Per unit output --	
North Island system	0
South Island system	0
Per unit distributed --	
North Island system	0
South Island system	0.
Per unit sold --	
North Island system	0.
South Island system	0.
CAPITAL CHARGES --	
Per kilowatt (system maximum) --	
North Island System	2.
South Island system	2.
Per unit output --	
North Island system	0.
South Island system	0.
Per unit distributed --	
North Island system	0.
South Island system	0.
Per unit sold --	
North Island system	0.
South Island system	0.
TOTAL COSTS --	
Kilowatt (system maximum) --	£
North Island system	5.6
South Island system	5.3
Per unit output (generated and purchased) --	d
North Island system	0.2
South Island system	0.2
Per unit distributed --	
North Island system	0.2
South Island system	0.3
Per unit sold --	
North Island system	0.3
South Island system	0.3

TABLE II. -- ANALYSIS OF GOVERNMENT CAPITAL OUTLAY AS AT 31st MARCH, 1946.

North Island System	£
Headworks and power-stations --	
Land, fencing, and roading --	
Arapuni	118,373
Horahora	3,375
Mangahao	74,707
Waikaremoana (Tuai) ..	17,200
" (Piripaua) ..	40,195
Taupo	150,558
Karapiro	175,285
Headworks --	
Arapuni	1,300,402
Horahora	159,353
Mangahao	947,079
Waikaremoana (Tuai) ..	200,775
" (Piripaua) ..	694,201
" (Kaitawa) ..	1,142,841
Karapiro	1,585,763
Generating-station, buildings, and village --	
Arapuni	505,693
Horahora	64,280
Mangahao	152,350
Waikaremoana (Tuai) ..	291,722
" (Piripaua) ..	95,218
Karapiro	454,108
Generating plant and machinery --	
Arapuni	1,078,769
Horahora	100,010
Mangahao	219,913
Waikaremoana (Tuai) ..	424,051
" (Piripaua) ..	202,823
Karapiro	596,967
Fuel stations (three) -- Penrose, Huntly, King's Wharf ..	417,672
Transmission and distribution --	
Primary distribution --	
11 kV. lines	71,275
33 kV. lines	--
50 kV. lines	535,098
66 kV. lines	--
110 kV. lines	2,309,888
220 kV. lines	5,340
Secondary distribution ..	--
Substations --	
11 kV. substations ..	87,752
33 kV. substations ..	--
50 kV. substations ..	963,240
66 kV. substations ..	--
110 kV. substations ..	1,954,336
220 kV. substations ..	28,000
General --	
General offices, garages, stores, and other accommodation	119,802
Telephone services ..	241,525
Explorations and preliminary surveys; engineering, office, and general expenses; charges and expenses of raising loans ..	673,693
Interest during construction ..	1,424,405
GRAND TOTALS ..	£19,688,037

South Island System	£	Combined Totals £
Headworks and power-stations --		
Land, fencing, and roading --		
Coleridge	25,841	
Waitaki	48,441	
Monowai	12,326	
Arnold (Kaimata)	1,830	
Highbank	9,583	
Cobb	59,064	736,678
Headworks --		
Coleridge	550,759	
Waitaki	1,095,090	
Monowai	86,870	
Arnold (Kaimata)	108,153	
Highbank	226,476	
Tekapo	417,052	
Cobb	427,524	8,942,318
Generating-station, buildings, and village --		
Coleridge	104,409	
Waitaki	466,542	
Monowai	47,105	
Arnold (Kaimata)	9,135	
Highbank	63,155	
Cobb	63,053	2,328,748
Generating plant and machinery --		
Coleridge	233,256	
Waitaki	566,595	
Monowai	62,100	
Arnold (Kaimata)	26,906	
Highbank	154,579	
Cobb	79,580	3,545,049
Fuel stations (two)--Stoke and Dobson	156,754	574,426
Transmission and distribution --		
Primary distribution --		
11 kV. lines	593,845	
33 kV. lines	59,447	
50 kV. lines	--	
66 kV. lines	752,359	
110 kV. lines	430,708	
220 kV. lines	--	
Secondary distribution ..	360,440	5,118,378
Substations --		
11 kV. substations ..	6,806	
33 kV. substations ..	50,002	
50 kV. substations ..	--	
66 kV. substations ..	762,736	
110 kV. substations ..	403,672	
220 kV. substations ..	--	4,256,544
General --		
General offices, garages, stores, and other accommodation	38,535	
Telephone services ..	131,559	
Explorations and preliminary surveys; engineering, office, and general expenses; charges and expenses of raising loans ..	630,484	
Interest during construction ..	656,087	3,996,09
	£9,810,194	£29,498,23

TABLE III. -- GOVERNMENT OPERATING OR WORKING COSTS FOR YEAR ENDED 31st MARCH, 1946

	North Island System				South Island System			
	Cost	Cost per Unit			Cost	Cost per Unit		
		Generated	Distributed	Sold		Generated	Distributed	So
	£	d.	d.	d.	£	d.	d.	d
(a) Hydro stations	107,862	0.0185	--	--	61,359	0.0241	--	-
(b) Fuel stations	181,822	0.8621	--	--	11,411	5.9730	--	-
(c) Auxiliary stations, power purchased, and standby provision	301,053	0.7994	--	--	5,348	1.3589	--	-
Generated and purchased	600,737	0.0915	0.1008	0.1014	78,118	0.0307	0.0350	0.03
(d) Transmission	62,335	0.0095	0.0105	0.0105	28,255	0.0110	0.0126	0.01
(e) Communication System	10,379	0.0016	0.0018	0.0018	4,756	0.0019	0.0021	0.00
(f) Substations	73,175	0.0110	0.0121	0.0122	41,189	0.0162	0.0184	0.01
(g) Distribution	1,565	0.0001	0.0003	0.0003	31,303	0.0123	0.0140	0.01
(h) System operation	28,172	0.0043	0.0047	0.0048	15,950	0.0063	0.0071	0.00
(i) Management and general expenses	187,271	0.0285	0.0314	0.0315	118,126	0.0463	0.0529	0.05
	962,634	0.1465	0.1616	0.1625	317,697	0.1247	0.1421	0.14

	North Island System		South Island System	
Units generated --				
Hydro	1,435,319,570		610,043,310	
Fuel	50,618,380		458,497	
Purchased	90,376,825		944,497	
		1,576,314,776		611,446,304
Units distributed		1,429,937,682		536,183,950
Units sold		1,421,731,549		[illegible]

TABLE IX -- STATISTICS OF GENERATING PLANTS, SYSTEM VOLTAGE, ROUTE MILES OF LINES, TRANSFORMERS ETC., FOR THE YEAR ENDED 31st MARCH, 1946

For Notes see Page 6

Supply Authorities	Source of Supply	Year When Supply Commenced	Capacity of Generating Plant: Water kW	Steam kW	Oil kW	Main Plant kW	Main Plant kVA	Standby Plant kW	Standby Plant kVA	Total Capacity kW	Total Capacity kVA	Static Head in Feet	Voltage: Generation	Transmission	Primary Distribution	Secondary Distribution	Distribution Transformers: Number	Total kVA.	Route-miles of Lines	
State Hydro-electric Department.																				
1. North Island 1. System	GH	1921	..	..	..	..	..	..	..	290,850	342,684	..	..	110,000) 50,000)	11,000	400/230 AC	81	11,630	1,854	1.
Arapuni	..	..	130,050	..	..	130,050	150,000	..	..	..	..	175	11,000	..	..	..	..	..	..	
Horahora	..	..	10,300	..	..	10,300	12,860	..	..	..	..	27	5,000	..	..	..	..	..	..	
Mangahao	..	..	19,200	..	..	19,200	24,000	..	..	..	..	896	11,000	..	..	..	..	..	..	
Waikaremoana	..	..	92,000	..	..	92,000	106,600	..	..	..	..	676) 560)	11,000	..	..	..	..	..	..	
Huntly	..	..	..	1,500	..	..	..	1,500	1,875	..	..	..	550	..	..	..	..	..	..	
King's Wharf	..	..	..	34,050	..	..	..	34,050	42,660	..	..	..	6,600	..	..	..	..	..	..	
Penrose	..	..	..	..	5,750	..	..	3,750	4,689	..	..	..	6,600	..	..	..	..	..	..	
2. South Island 2. System	GS	1915	..	..	..	..	..	..	..	147,270	168,828	..	..	110,000 66,000 33,000	11,000 3,300	400/230 AC	1,978	25,567	3,762	2.
Arnold	..	..	3,060	..	..	3,060	3,600	..	..	..	..	42	3,300	..	..	..	..	..	..	
Coleridge	..	..	34,500	..	..	34,500	40,640	..	..	..	..	480	6,600	..	..	..	..	..	..	
Cobb	..	..	12,000	..	..	12,000	15,000	..	..	..	..	1,876	6,600	..	..	..	..	..	..	
Highbank	..	..	25,200	..	..	25,200	28,000	..	..	..	..	..	11,000	..	..	..	..	..	..	
Monowai	..	..	6,000	..	..	6,000	7,050	..	..	..	..	154	6,600	..	..	..	..	..	..	
Waitaki	..	..	60,000	..	...	60,000	66,400	..	..	..	..	70	11,000	..	..	..	..	..	..	
Dobson	..	..	..	..	5,760	..	..	5,760	7,200	..	..	..	11,000	..	...	..	..	..	..	
Stoke	..	..	..	..	750	..	..	750	938	..	..	..	..	..	..	..	..	..	..	
TOTALS	..	..	392,310	35,550	10,260	392,310	454,150	45,810	57,362	438,120	511,512	..	..	..	..	..	2,059	37,197	5,616	
Power Boards																				
1. Ashburton	GS	1925	..	..	..	..	..	..	..	..	..	..	..	..	11000 6600	400/230 AC	1,040	13,367	1,046	1.
2. Auckland	GH	1906	..	..	..	..	..	..	..	..	..	..	..	..	11000 6600	400/230 AC 460/230 DC	1,226	108,852	1,550	2.
3. Banks Peninsular	GS	1921	72	..	..	..	..	72	90	72	90	310	3,300	33,000	11000 6600 3300	400/230 AC	208	2,001	220	3.
4. Bay of Islands	GH	1939	110	187	..	110	121	187	208	297	329	134	400	..	11000 6350	400/230 AC 460/230 AC	659	6,338	577	4.
5. Bay of Plenty	GH	1928	..	..	..	..	..	..	..	..	..	..	..	..	11,000	400/230 AC	423	6,902	325	5.
6. Buller 3.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6.
7. Cambridge	GH	1921	..	..	..	..	..	..	..	..	..	..	..	..	11000 3300	400/230 AC	163	2,610	211	7.
8. Central Hawkes Bay	GH	1925	..	..	..	..	..	..	..	..	..	..	..	..	11000 6600 3300	400/230 AC	398	5,642	344	8.
9. Central Waikato	GH & B	1921	..	..	...	..	..	..	..	..	..	...	..	..	11000 3300	400/230 AC 460/230 AC	555	15,162	957	9.
10. Dannevirke	GH	1925	..	..	..	..	..	..	..	..	..	..	..	..	11000 6600	400/230 AC	328	4,351	378	10.
11. Franklin	GH	1923	..	..	..	..	..	..	..	..	..	..	..	..	11,000	400/230 AC	559	11,701	816	11.
12. Golden Bay	GS	1929	200	..	..	..	..	200	250	200	250	350	400	..	11000 6600	400/230 AC	80	1,273	96	12.
13. Grey	GS	1926	..	..	..	..	..	..	..	..	..	..	..	..	11,000	400/230 AC	199	1,488	318	13.
14. Hawkes Bay	GH	1927	..	..	.885	..	..	365) 520)	365 DC 650	365) 520)	365 DC 650	..	3,300 480 DC	..	11,000	400/230 AC 460/230 DC	338	17,568	536	14.
15. Horowhenua	GH	1924	..	..	..	..	..	..	..	..	..	..	..	..	11,000	400/230 AC	247	12,640	405	15.
16. Hutt Valley	GH	1924	..	..	..	..	..	...	..	..	..	..	..	..	11000 6600	400/230 AC	310	50,404	361	16.
17. King Country 3.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17.
18. Malvern	GS	1925	..	..	..	..	..	..	..	..	..	..	..	..	6,600	400/230 AC	218	1,880	194	18.
19. Manawatu Oroua	GH	1924	..	..	..	..	..	..	..	..	..	..	..	..	11000 3300	400/230 AC	577	14,810	703	19.
20. Marlborough	GS	1927	1,000	..	1,330	..	..	2,330	2,910	2,330	2,910	100	6,600	33,000	11000 6600	400/230 AC	240	5,063	301	20.
21. North Auckland	GH	1936	..	..	..	..	..	..	..	..	..	..	..	..	11,000	400/230 AC	1,049	15,913	963	21.
22. North Canterbury	GS	1928	..	..	..	...	...	..	..	..	..	..	..	..	11000 6600 3300	400/230 AC	706	7,429	899	22.
23. Opunake	GH	1923	315	..	148	..	..	463	635	463	635	47	6,600	..	11000 6600	400/230 AC	153	1,707	190	23.
24. Otago	GS & B	1926	..	..	..	..	..	..	..	..	..	..	..	33,000	11000 6600	400/230 AC	455	4,714	757	24.
25. Otago Central	I & B	1923	2,050	..	..	2,050	2,520	..	..	2,050	2,520	1015	6600		6600					
26. Poverty Bay	GH & B	1912	..	..	.980	..	..	300 680	300 DC 850	300 660	300 DC 850	510 297	3300 400 DC 6300 440	33,000	11000 3300	400/230 AC 400/230 AC	313	7,165	386	25.
27. South Canterbury	GS	1925	..	..	..	..	..	..	..	..	..	..	..	..	11000 6600	440/230 DC	485	13,036	454	26.
28. South Westland	GH	[illegible]	[illegible]												11000 6600	400/230 AC	834	8,527	926	27.

..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6600 11000 3300	460/230 AC 400/230 AC	437	5,974	648	32.

TABLE IX — STATISTICS OF GENERATING PLANTS, SYSTEM VOLTAGE, ROUTE MILES OF LINES, TRANSFORMERS etc., FOR THE YEAR ENDED 31st MARCH, 1946 (continued)

For Notes see Page 6.

Supply Authorities	Source of Supply	Year When Supply Commenced	Capacity of Generating Plant: Water kW	Steam kW	Oil kW	Main Plant kW	Main Plant kVA	Standby Plant kW	Standby Plant kVA	Total Capacity kW	Total Capacity kVA	Static Head in Feet	Voltages: Generation	Transmission	Primary Distribution	Secondary Distribution	Distribution Transformers: Number	Total kVA.	Route-miles of Lines	
33. Te Awamutu	GN	1921	--	--	--	--	--	--	--	--	--	--	--	--	11000 3300	400/230 AC	317	6,898	366	33.
34. Teviot	I	1924	750	--	--	750	939	--	--	750	939	360	3,300	--	6600 11000 3300	400/230 AC	175	1,262	72	34.
35. Thames Valley	GN & B	1921	--	--	--	--	--	--	--	--	--	--	--	--	11000 3300	400/230 AC	671	17,160	1,073	35.
36. Waimea	GS	1933	440	--	--	--	--	440	542	440	542	960	2,300	--	11000	400/230 AC	196	5,266	220	36.
37. Wairarapa	GN	1923	837	--	--	--	--	837	1,194	837	1,194	16	400 3,300	--	11000 3300	300/230 AC	416	13,417	644	37.
38. Wairere	I	1925	624	--	200	624	780	200	250	824	1,030	420 290 65	500 400	--	11000 6600	400/230 AC	226	1,889	197	38.
39. Wairoa	GN	1923	--	--	--	--	--	--	--	--	--	--	--	--	11000 3300	400/230 AC	107	3,069	116	39.
40. Waitaki	GS	1926	120	--	192	--	--	312	390	312	390	250	3,300	--	6600 11000 3300	400/230 AC	579	8,445	574	40.
41. Waitemata	GN	1926	--	--	--	--	--	--	--	--	--	--	--	--	11000	400/230 AC	719	28,831	1,365	41.
42. Waitomo	GN.	1926	--	--	--	--	--	--	--	--	--	--	--	--	11000	400/230 AC	250	5,990	232	42.
43. Wanganui-Rangitikei	GN	1924	--	1,500	--	--	--	1,500	1,875	1,500	1,875	--	3,300		6600 11000 3300	400/230 AC	827	28,833	988	43.
44. Westland 4.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	44.
TOTALS			11,854	1,687	4,221	8,314	9,760	9,448	11,811	17,762	21,571						16,276	472,919	21,833	
Other Local Authorities																				
CITY COUNCILS																				
1. Christchurch	GS	1903	..	..	..	..	..	..	..	..	..	..	..	..	11,000	400/230 AC	381	68,764	421	1.
2. Dunedin	I & GS	1907	23,400	1,875	860	23,400	29,250	860 1,875	860 DC 2,340	860 25,375	860 DC 31,590	700	6600 2400 550	35,000	6600 3300	400/230 AC	975	47,401	639	2.
3. Hamilton	GN	1913	..	..	..	..	..	..	..	..	..	..	..	..	11,000	400/230 AC	48	7,350	79	3.
4. Invercargill	GS	1914	..	1,525	..	..	..	1,525	1,850	1,525	1,850	..	3300 600 400	..	1,000 3300	600 DC 400/230 AC	74	5,420	87	4.
5. Nelson	B	1923	..	1,250	..	..	..	1,250	1,561	1,250	1,561	..	3300	..	11000 3300	400/230 AC	37	5,980	64	5.
6. Palmerston North	B	1924	..	..	2,816	..	..	3,816	3,520	2,816	3,520	..	3300	..	11000 3300	400/230 AC	61	7,350	97	6.
7. Wellington	GN	1888	..	25,000	600	..	..	25,600	31,750	25,600	31,750	..	11000	..	11000 3300	400/230 AC	157	69,760	325	7.
TOTALS			23,400	29,650	4,276	23,400	29,250	33,936	41,881	57,326	71,131						1,733	212,025	1,712	
BOROUGH COUNCILS																				
1. Bluff	GS	1903	..	..	..	..	..	..	..	..	..	..	..	..	3300	400/230 AC	23	1,091	13	1.
2. Inglewood	B	1905	..	..	..	..	..	..	..	..	..	..	..	..	3300	400/230 AC	6	475	9	2.
3. Kaiapoi	B	1917	..	..	..	..	..	..	..	..	..	..	..	..	3300	400/230 AC	4	375	14	3.
4. Lyttelton	GS	1917	..	..	..	..	..	..	..	..	..	..	..	..	11000	400/230 AC	10	1,160	14	4.
5. Napier	B	1913	..	..	400	..	..	400	500	400	500	..	3300	..	11000/3300	400/230 AC	39	6,550	44	5.
6. New Plymouth	GN	1906	4,950	..	..	..	..	4,950	6,000	4,950	6,000	240 120	6600	..	11000	400/230 AC	295	15,921	360	6.
7. Ohakune	GN	1914	96	..	112	..	..	208	261	208	261	48	2400	..	6600	400/230 AC	21	437	23	7.
8. Patea	B	1901	88	..	..	..	..	88	110	88	110	73	3300	..	3300	400/230 AC	36	714	33	8.
9. Picton	I	1917	16	..	225	145	145 DC	96	96 DC	241	241 DC	279	480	..		460/230 DC	..	..	11	9.
10. Raetihi	I	1917	376	..	..	280	350	96	120	376	470	380	6600 3300	..	6600	400/230 AC	18	451	28	10.
11. Rangiora	B	1919	..	..	52	..	..	52	65	52	65	..	400	..	3300	400/230 AC	7	697	14	11.
12. Riccarton	GS	1916	..	..	..	..	..	..	..	..	..	..	..	..	11000 3300	400/230 AC	35	3,900	26	12.
13. Ross 5.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13.
14. Rotorua (Tourist Department)	GN	1901	..	..	..	..	..	..	..	..	..	..	..	..	11000 6600	400/230 AC	253	6,480	176	14.
15. Stratford	B	1898	..	..	..	..	..	..	..	..	..	..	..	..	6600	400/230 AC	21	2,090	23	15.
16. Taihape	B	1913	150	..	75	..	..	225	225 DC	225	225 DC	30	510	..	11000	460/230 DC 400/230 AC	3	300	11	16.
17. Taumarunui	GN	1924	425	..	..	..	..	425	500	425	500	25	3,300	..	6600 3300	400/230 AC	42	3,021	33	17.
18. Tauranga	I & GN	1915	3,450	..	..	3,450	4,300	..	..	3,450	4,300	110 60	3,000	33,000 50,000	3300	400/230 AC	16	1,800	65	18.
19. Te Aroha	B	1906	133	..	..	..	..	133	166	133	166	600	3,300	..	3300	400/230 AC	14	1,100	19	19.
20. Te Puke	B	1921	..	..	..	..	..	..	..	..	..	..	..	..	3300	400/230 AC	4	363	12	20.
21. Thames	B	1914	100	..	290	..	..	390	468	390	468	150	3,300	..	3300	400/230 AC	19	1,617	34	21.
22. Timaru	B	1908	..	..	..	..	..	..	..	..	..	..	400	..	11000 3300	400/230 AC	38	6,520	73	22.
23. Wairoa	B	1913	..	..	..	..	..	..	..	..	..	..	..	..	11000 3300	400/230 AC	16	1,250	20	23.
24. Waitara	B	1917	..	..	..	..	..	..	..	..	..	..	..	..	11000	400/230 AC	11	625	13	24.
25. Westport	I & B	1925	200	..	..	200	250	..	..	200	250	430	400	..	11000 6600	400/230 AC	35	1,943	37	25.
26. Whakatane	B	1922	..	..	..	..	..	..	..	..	..	..	..	..	3300	400/230 AC	12	1,625	18	26.
27. Whangarei	B	1915	..	..	..	..	..	..	..	..	..	..	..	..	11000	400/230 AC	52	4,560	59	27.

TABLE IX -- STATISTICS OF GENERATING PLANTS, SYSTEM VOLTAGE, ROUTE MILES OF LINES, TRANSFORMERS etc., FOR THE YEAR ENDED 31st MARCH 1946 (continued)

Supply Authorities	Source of Supply	Year When Supply Commenced	Capacity of Generating Plant: Water kW	Steam kW	Oil kW	Main Plant kW	Main Plant kVA	Standby Plant kW	Standby Plant kVA	Total Capacity kW	Total Capacity kVA	Static Head in Feet	Voltages: Generation	Transmission	Primary Distribution	Secondary Distribution	Distribution Transformers: Number	Total kVA	Route-miles of Lines	
a	B	1916	..	..	..	..	..	..	..	..	..	..	..	..	3300	400/230 AC	43	624	55	1.
	B	1913	..	..	..	..	..	..	..	..	..	..	..	..	..	2300				
	B	1929	..	..	..	..	..	..	..	..	..	..	..	..	..	400/250 AC	12	141	12	2.
LS													..	..	3300	400/230 AC	3	35	5	3.
																	58	800	72	
GILS																				
	GS	1914	..	..	..	..	..	..	..	..	..	..	..	..	11000	400/230 AC	10	1,159	17	1.
	I	1922	..	..	148	148	185	..	..	148	185	..	3300	..	3300	400/230 AC	8	145	8	2.
	I	1922	80	..	80	80	96	80	100	160	196	105	400 / 3300	..	3300	400/230 AC	15	160	16	3.
	I	1935	..	..	30	30	30 DC	..	..	30	30 DC	250	400	..	..	250 DC	..	..	4	4.
	GS & B	1917	..	..	..	..	..	..	..	..	..	..	..	..	11000 6600 / 3300	400/230 AC	95	6,326	166	5.
			80	..	258	258	311	80	100	338	411						128	7,790	211	
Author-			33,464	29,650	5,688	27,733	34,606	41,069	50,592	68,802	85,198						2,928	283,710	3,173	
6 lectric Ltd	I	1921	1,560	..	150	1,560	1,950	150	187	1,710	2,137	250	2,400	..	11000	400/230 AC	6	1,615	30	1.
Kohukohu lectric	I	1933	..	..	45	33	38	12	15	45	51	109	400	..	..	230 AC	..	..	2	2.
Power Coy Ltd	I	1887	98	..	146	98	98 DC	146	146DC	244	244 DC	30	240	..	..	240 DC	..	..	9	3.
tors Ltd.	I	1936	..	..	19	19	19 DC	..	..	19	19 DC	..	230	..	..	230 DC	..	..	1	4.
NZ) Port- ent Ltd.	I & GN	1916	3,000	..	..	3,000	3,750	..	..	3,000	3,750	130	5,500	22,000	..	2300 400/230 AC	38	981	38	5.
Power Ltd. 6	I & GS	1928	845	..	..	845	929	..	..	845	929	260	6,600 400		11000	400/230 AC	50	1,605	75	6.
			5,503		360	5,555	6,763	308	348	5,863	7,130						94	4,191	155	
ALS	-	-	445,131	66,887	20,529	433,912	505,298	96,635	120,113	530,547	625,411	-	-	-	-	-	23,359	798,007	30,777	

NOTES:-

1. Includes Arapuni - Horahora - Mangahao - Waikaremoana main stations and Huntly - King 's Wharf - Penrose stand by stations, all interconnected.
2. Includes Coleridge - Waitaki - Arnold - Monowai - Highbank main stations and Dobson standby station, all interconnected, also Cobb main station and Stoke standby station not interconnected.
3. Not actively functioning.
4. License delegated to Westland Power Ltd.
5. No returns received.
6. For year ended 31st December, 1945.
7. GN. = Government supply, North Island system.
   GS. = Government supply, South Island system.
   B. = Bulk supply from another Supply Authority.
   I. = Independent supply (own generating plant).

... TO TOTAL POPULATION OF DOMINION = 97.95 per cent.

TABLE I — RESULTS OF GENERATION, DISTRIBUTION AND CONSUMPTION FOR THE YEAR ENDED MARCH, 31ST, 1948

For Notes See Page 8

Part 1: Load and Units Generated, Purchased and Interchanged

Supply Authorities	Connected Load Including Bulk Supply (KW)	Connected Load Excluding Bulk Supply (KW)	Maximum Load on System (KW)	Demand Factor (%)	Annual Load Factor (%)	Units Generated: Water (KWH)	Units Generated: Steam (KWH)	Units Generated: Oil (KWH)	Units Purchased (KWH)	Units Interchanged with Govt. System (KWH)	No.
...ydro-electric ...partment											
... Island System 1	2,145,129	34,826	303,400	..	58.73	1,455,519,570	47,845,231	3,775,150	90,576,825	..	1.
... Island System 3	930,045	105,384	128,640 7	..	84.23	610,013,310	..	458,497	944,497	..	2.
...OTALS	..	140,210	..	..	..	2,045,532,880	47,845,231	3,233,647	91,521,322	..	
...OARDS											
...rton	..	27,710	4,500	15.54	68.74	..	..	..	25,940,000	..	1.
...and	..	844,605	84,765	15.55	50.83	..	..	..	377,188,104	..	2.
...Peninsula	..	9,523	1,018	11.62	53.74	3,254	..	..	4,788,000	..	3.
...f Islands	..	19,645	2,259	11.45	65.23	609,850	1,500	..	11,871,067	..	4.
...f Plenty	20,666	15,326	5,030	15.01	75.96	..	..	..	20,560,850	..	5.
...r 5	..	..	..	..	..	..	..	..	..	..	6.
...idge	..	7,385	1,740	25.59	60.66	..	..	..	10,163,400	..	7.
...al Hawkes Bay	..	16,807	1,992	11.65	64.61	..	..	..	11,273,740	..	8.
...al Waikato	..	56,514	7,303	12.53	74.93	..	..	..	47,973,788	..	9.
...rirke	..	17,899	1,632	9.12	70.01	..	..	..	10,010,270	..	10.
...lin	53,679	58,561	6,018	18.51	70.57	..	..	..	37,597,960	..	11.
...n Bay	..	3,174	545	17.18	58.76	108,041	..	..	2,806,681	108,041	12.
	..	31,742	5,633	17.75	59.62	..	..	..	29,420,000	..	13.
...s Bay	104,590	87,149	9,621	9.20	71.77	..	..	1,004,814	60,485,461	1,004,814	14.
[illegible]	..	59,441	5,450	15.77	49.18	..	..	..	23,591,150	..	15.
...Valley	..	155,209	20,274	14.99	51.47	..	..	..	91,408,897	..	16.
...Country 5	..	..	..	..	..	..	..	..	..	..	17.
...n	..	4,242	401	9.45	57.96	..	..	..	2,056,080	..	18.
...atu Oroua	101,459	47,684	12,308	12.15	61.48	..	..	..	66,251,931	..	19.
...orough	..	19,678	1,881	9.56	61.93	845,280	..	197,960	8,561,916	541,240	20.
...Auckland	..	59,585	5,504	15.40	65.67	..	..	..	50,511,640	..	21.
...Canterbury	54,015	37,017	5,337	9.78	60.68	..	..	..	17,059,400	..	22.
...ko	..	9,085	1,394	14.24	65.89	1,614,258	..	54,602	7,251,458	1,648,658	23.
	..	20,995	2,585	12.32	54.09	..	..	..	12,155,712	..	24.
...Central	..	1,056	2,565	24.74	65.60	12,216,467	..	..	2,469,230	..	25.
...ty Bay	..	55,953	4,555	7.87	61.57	..	..	315,270	24,544,752	787,950	26.
...Canterbury	75,448	58,285	7,168	9.76	59.68	..	..	..	36,812,000	..	27.
...Taranaki	35,190	31,856	4,175	16.57	65.53	1,710,877	..	247,135	21,244,035	..	28.
...ga Ellesmere	..	25,550	4,598	10.55	52.93	..	..	..	21,510,095	..	29.
...aki	41,627	18,231	4,740	11.39	65.55	18,885,400	..	..	8,334,810	..	30.
...na	..	18,870	1,716	9.09	68.69	..	..	..	10,325,040	..	31.
...nga	22,172	19,861	3,600	16.25	65.29	..	..	..	19,952,798	..	32.
...nuatu	..	19,075	2,559	15.30	72.29	..	..	..	16,075,610	..	33.
...t	12,655	2,495	750	5.85	86.86	5,708,980	..	..	..	..	34.
...o Valley	77,843	67,980	11,081	14.29	66.16	..	..	..	64,225,539	..	35.
...e	42,708	55,523	5,501	7.95	51.95	77,150	..	..	15,452,471	77,150	36.
...rapa	..	43,649	5,052	10.65	61.57	2,975,340	..	..	27,054,719	2,845,829	37.
...re	..	6,767	[illegible]	13.53	59.25	3,008,707	..	105,550	..	..	38.
...a	11,089	4,835	1,485	15.35	60.04	..	..	..	7,795,490	..	39.
...ki	..	51,340	4,340	15.60	57.90	55,057	..	13,752	21,945,880	..	40.
...nata	..	129,543	15,793	10.85	58.93	..	..	..	71,192,358	..	41.
...no	..	29,640	3,178	10.55	61.47	..	..	..	11,799,550	..	42.
...nui-Rangitikei	75,616	69,299	8,711	11.85	62.25	..	773,390	..	47,541,448	773,390	43.
...and 4	..	..	..	..	..	..	..	..	..	..	44.
...OTALS	..	1,028,018	..	..	..	47,307,480	774,290	2,420,015	1,537,085,246	7,785,252	
...AL AUTHORITIES											
...CILS											
...tchurch	304,379	375,571	64,919	14.73	45.15	..	..	..	177,195,750	..	1.
...lin	167,037	154,577	33,433	21.20	40.94	101,098,536	..	11,676	44,887,010	7,910	2.
...ton	..	33,874	4,079	12.41	49.39	..	..	..	17,648,584	..	3.
...vargill	..	50,615	3,945	12.88	44.77	..	35,900	..	15,477,540	35,900	4.
...n	..	19,466	1,900	9.73	44.53	..	17,980	..	7,416,079	17,980	5.
...rston North	..	55,753	6,718	6.41	56.31	..	..	2,510,555	33,191,105	2,508,705	6.
...ngton	..	273,151	40,350	14.77	47.24	..	47,538,100	..	167,016,163	47,538,100	7.
TOTALS	..	839,805	..	..	..	101,098,858	47,591,980	2,522,840	462,553,790	49,908,595	

Part 2: Units Sold, Non-Productive Units and Averages

No.	Total Generated & Purchased less interchanged with Govt. System (KWH)	Sold: In Bulk for Resale Including Units interchanged (KWH)	Sold: Retail to Consumers (KWH)	Non Productive (KWH)	Per Cent Non Productive 8 (%)	Units Sold (Average): Per Head of Population (KWH)	Per Consumer Excluding Bulk Supply (KWH)	Per £1 of Distribution Capital (KWH 9)	Per Route Mile of Line 10 (KWH)	Average M.D. per Retail Consumer (KW)
Hydro-electric Department 1.	1,578,314,776	1,378,128,657	45,602,912	154,583,227	9.29	..	..	154	765,850	..
Hydro-electric Department 2.	611,446,504	450,822,150	79,261,858	81,362,296	12.31	..	..	127	140,904	..
Hydro-electric Department TOTALS	2,187,761,080	1,828,950,787	122,864,770	235,945,523	10.78	..	..	146	547,540	..
Boards 1.	25,940,000	..	21,058,341	4,881,659	18.85	1100	4042	47	20,095	0.830
Boards 2.	377,188,104	..	338,388,351	38,799,753	10.29	1312	4550	99	250,891	1.098
Boards 3.	4,791,254	..	3,860,519	930,735	19.43	1106	3214	36	17,576	0.840
Boards 4.	12,482,887	..	11,003,203	1,479,684	11.85	560	3486	45	19,076	0.715
Boards 5.	20,560,850	3,101,782	15,347,343	2,111,725	12.09	905	3804	83	36,705	0.927
Boards 6.	..	..	..	..	..	..	..	..	..	..
Boards 7.	10,163,400	140,830	8,408,280	1,614,300	16.14	1019	3913	69	40,438	0.799
Boards 8.	11,273,740	..	9,967,111	1,306,629	11.59	966	4245	49	28,974	0.848
Boards 9.	47,973,788	..	41,315,974	6,657,814	13.88	1248	4812	67	45,185	0.851
Boards 10.	10,010,270	..	8,559,224	1,451,046	14.49	711	2531	32	23,640	0.480
Boards 11.	37,597,960	88,556	31,493,396	5,836,008	15.61	1336	5182	72	38,689	0.895
Boards 12.	2,806,681	106,041	2,191,701	614,960	21.91	676	5397	62	24,018	0.845
Boards 13.	29,420,000	..	27,493,243	1,926,757	6.55	1555	5081	108	86,562	0.632
Boards 14.	60,485,461	17,223,570	39,293,643	4,974,263	11.25	1100	3961	108	105,043	0.716
Boards 15.	23,391,150	..	20,520,976	2,870,174	12.27	1036	2563	67	50,906	0.757
Boards 16.	91,408,897	..	82,995,421	8,413,476	9.20	1178	4297	167	229,715	1.049
Boards 17.	..	..	..	..	..	..	..	..	..	..
Boards 18.	2,056,060	..	1,622,224	415,836	20.53	561	2000	23	8,362	0.508
Boards 19.	66,251,951	33,191,105	128,955,157	4,105,719	12.42	1260	4545	108	88,460	0.576
Boards 20.	8,561,916	541,240	7,404,459	1,157,457	15.52	475	1954	33	26,374	0.496
Boards 21.	50,511,840	..	25,528,271	4,985,569	16.35	971	4481	58	25,970	0.931
Boards 22.	17,059,400	3,844,770	11,508,505	2,203,123	8.22	774	2715	50	17,193	0.578
Boards 23.	7,251,458	1,648,658	5,563,967	1,687,491	23.87	974	3893	74	37,982	0.905
Boards 24.	12,155,712	..	10,320,228	1,955,484	15.92	407	1862	37	138,598	0.467
Boards 25.	14,705,727	..	13,370,235	1,335,462	9.03	1651	5828	77	34,663	1.117
Boards 26.	24,572,032	787,950	22,812,507	1,959,525	7.97	689	3287	64	51,555	0.645
Boards 27.	36,812,000	17,764,400	15,594,823	3,452,777	9.39	625	2713	60	33,056	0.595
Boards 28.	23,202,095	2,220,188	18,415,544	2,568,361	12.25	1155	4158	93	57,000	0.856
Boards 29.	21,510,095	..	18,795,626	2,519,467	11.81	1294	5817	91	47,326	1.422
Boards 30.	27,210,210	8,975,360	14,415,524	3,821,326	10.28	1018	4350	78	49,012	0.800
Boards 31.	10,325,040	..	8,359,369	1,965,671	19.04	870	3693	48	21,366	0.750
Boards 32.	19,952,798	1,186,794	15,347,625	5,398,381	18.15	1157	5281	60	25,518	1.140
Boards 33.	16,075,610	..	14,578,814	1,494,796	9.30	1050	4861	51	59,821	0.846
Boards 34.	5,703,920	2,494,260	3,008,472	204,188	8.36	1801	5634	122	76,961	0.450
Boards 35.	64,225,539	6,475,755	49,798,632	7,952,972	15.77	1151	4425	61	52,470	0.830
Boards 36.	15,452,471	7,468,192	6,689,253	1,334,166	16.65	408	1715	84	84,511	0.582
Boards 37.	27,161,230	2,846,822	24,079,127	5,082,103	11.37	961	3685	94	41,823	0.772
Boards 38.	3,113,257	..	2,687,923	445,334	14.30	910	4092	42	13,515	0.920
Boards 39.	7,795,490	4,376,557	3,222,556	196,347	5.74	597	5407	109	65,510	0.679
Boards 40.	22,011,555	..	19,246,396	2,765,157	12.53	1106	3656	84	33,549	0.819
Boards 41.	71,192,358	..	66,539,404	4,652,954	6.54	1036	3364	94	46,748	0.697
Boards 42.	11,799,550	..	10,168,834	1,550,716	13.30	892	4221	59	43,784	0.904
Boards 43.	47,541,448	2,003,759	38,340,224	7,989,855	17.21	787	3014	70	40,831	0.851
Boards 44.	..	..	..	..	..	..	..	..	..	..
Boards TOTALS	1,570,781,788	116,579,576	1,117,951,445	153,056,019	11.10 14	1054	4033	79	56,552	..
Municipal Councils 1.	177,195,750	14,590,795	144,829,167	17,775,788	9.14	1205	5826	126	378,673	1.095
Municipal Councils 2.	145,987,911	8,150,493	116,183,893	21,568,507	15.54	1344	3478	120	194,551	0.959
Municipal Councils 3.	17,648,584	..	15,938,741	1,709,825	9.69	740	2479	201	202,135	0.634
Municipal Councils 4.	15,477,540	35,900	13,834,497	1,655,133	10.68	599	1083	105	159,313	0.504
Municipal Councils 5.	7,416,079	17,980	6,447,644	988,455	13.08	476	1024	60	101,211	0.478
Municipal Councils 6.	33,195,565	2,508,705	27,440,450	5,753,915	17.35	1043	3310	139	30,884	0.850
Municipal Councils 7.	167,016,162	47,538,100	154,298,370	12,717,792	7.61	1204	3580	154	630,315	0.825
Municipal Councils TOTALS	563,655,351	72,621,973	470,975,601	61,946,575	10.99 14	1124	3431	154	332,194	..

H, DISTRIBUTION AND CONSUMPTION FOR THE YEAR ENDED MARCH 31st, 1946 (continued)

Supply Authorities	Connected Load Including Bulk Supply	Connected Load Excluding Bulk Supply	Maximum Load on System	Demand Factor	Annual Load Factor	Units Generated: Water	Units Generated: Steam	Units Generated: Oil	Purchased	Interchanged with Govt. System	Total Generated & Purchased less interchanged with Govt. System	Units Sold: In Bulk for Resale Including units interchanged	Units Sold: Retail to Consumers	Non Productive	Per Cent Non-Productive 8	Units Sold (Average): Per Head of Population	Per Consumer (Excluding Bulk Supply)	Per £ 1 of Distribution Capital 9	Per Route Mile of Line 10	Average M.D. per Retail Consumer	No.
	kW	kW	kW	%	%	kWH	kWH	kWH	kWH	kWH	kWH	kWH	kWH	kWH	%	kWH	kWH	kWH	kWH	kW	
BOROUGH COUNCILS																					
1. Bluff	..	3,196	383	11.98	30.74	..	..	..	1,008,369	..	1,008,369	..	895,573	112,796	11.19	426	1433	67	71,560	0.593	1.
2. Inglewood	..	2,466	282	11.34	46.29	..	..	..	1,143,570	..	1,143,570	..	987,570	156,000	13.65	742	2088	108	107,340	0.596	2.
3. Kaiapoi	..	2,519	374	14.64	45.38	..	..	..	1,492,500	..	1,492,500	..	1,425,500	67,000	4.49	805	2372	89	103,975	0.622	3.
4. Lyttelton	..	6,328	758	11.97	40.01	..	..	..	2,657,600	..	2,657,600	..	2,231,298	426,302	16.04	662	2157	124	106,525	0.732	4.
5. Napier	..	17,441	2,509	14.38	73.88	..	..	534,396	16,217,556	534,396	16,217,556	534,396	14,579,661	1,637,895	10.10	982	2946	138	343,501	0.545	5.
6. New Plymouth	..	43,837	6,460	14.87	67.05	15,674,460	..	..	38,058,360	15,674,460	38,058,360	15,674,460	33,323,588	4,734,772	12.44	1245	4107	298	128,794	0.754	6.
7. Ohakune	..	1,885	301	10.67	57.21	337,447	..	72,880	1,007,249	410,327	1,007,249	410,327	795,811	211,438	20.99	355	1290	183	52,441	0.325	7.
8. Patea	..	3,354	382	16.23	59.73	32,290	..	..	1,969,372	22,389	1,999,273	22,389	1,814,118	185,155	9.26	930	3253	116	78,416	0.680	8.
9. Picton	..	1,290	143	11.09	36.97	..	..	463,110	..	..	463,110	..	403,770	59,340	12.81	251	807	42	38,454	0.296	9.
10. Paeihi	..	2,455	250	10.18	40.68	891,000	..	..	..	..	891,000	..	840,450	50,550	5.67	365	1701	41	30,016	0.506	10.
11. Rangiora	..	4,439	499	11.18	56.13	..	..	..	2,452,270	..	2,452,270	..	2,153,160	299,110	12.20	879	2480	140	155,406	0.574	11.
12. Riccarton	..	17,961	2,395	13.33	49.68	..	..	..	10,423,160	..	10,423,160	..	9,367,818	1,055,342	9.93	1176	4174	185	391,159	1.085	12.
13. Ross 5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13.
14. Rotorua (Tourist Department)	..	20,305	2,293	11.29	59.27	..	..	..	11,906,500	..	11,906,500	..	10,192,847	1,713,653	14.39	776	2452	66	58,485	0.551	14.
15. Stratford	..	15,065	800	6.12	60.99	..	..	..	4,274,100	..	4,274,100	..	3,786,928	487,172	11.39	953	2953	96	165,229	0.624	15.
16. Taihape	..	4,878	540	8.97	46.81	515,380	..	..	878,833	..	1,394,213	..	1,262,665	131,528	9.43	565	1801	228	120,255	0.485	16.
17. Tamaranui	4,835	4,663	614	12.65	56.41	3,473,330	..	..	3,035,480	3,473,330	3,035,480	3,549,447	2,483,387	475,076	16.08	581	1912	151	181,821	0.446	17.
18. Tauranga	..	13,714	3,098	..	74.31	20,153,426	..	..	510	..	20,153,936	8,838,844	8,850,000	2,684,092	23.72	1736	4946	247	269,305	-	18.
19. Te Aroha	..	4,621	583	12.62	50.53	27,056	..	..	2,560,976	27,056	2,560,976	27,056	2,306,792	274,184	10.62	950	2694	159	126,155	0.592	19.
20. Te Puke	..	2,311	260	11.27	52.03	..	..	..	1,186,794	..	1,186,794	..	1,067,502	119,292	10.05	912	1988	69	86,318	0.484	20.
21. Thames	...	5,142	727	14.14	60.37	46,740	..	..	3,846,019	46,740	3,846,019	46,740	3,483,769	362,250	9.42	815	3615	147	145,588	0.545	21.
22. Timaru	..	35,167	3,754	10.67	54.00	..	..	..	17,764,400	..	17,764,400	..	15,333,376	2,431,024	13.68	811	2718	108	210,449	0.665	22.
23. Wairoa	..	6,254	988	15.80	50.45	..	..	..	4,386,373	..	4,386,373	..	3,774,237	592,136	13.56	1279	4025	226	191,585	1.053	23.
24. Waitara	..	5,690	380	6.68	48.78	..	..	..	1,624,080	..	1,624,080	..	1,465,231	158,849	9.78	610	1948	94	12,587	0.505	24.
25. Westport	..	8,617	444	5.04	47.78	1,243,020	..	..	615,645	..	1,858,665	..	1,531,683	326,982	17.59	275	961	50	41,008	0.278	25.
26. Whakatane	..	7,260	638	8.79	55.48	..	..	...	3,101,762	..	3,101,762	..	2,710,625	391,137	12.61	938	3273	83	148,527	0.770	26.
27. Whangarei	..	19,680	1,786	9.08	52.04	..	..	..	8,143,700	..	8,143,700	..	7,187,751	954,949	11.72	744	2367	56	121,482	0.595	27.
TOTALS	..	258,796	..	..	..	42,394,149	..	1,070,386	139,774,198	20,168,698	163,050,035	29,104,659	134,055,150	20,078,924	13.31 14	889	2930	138	138,505	..	..
TOWN BOARDS																					
1. Kaponga	..	2,165	360	4.32	58.38	..	..	..	1,840,900	..	1,840,900	..	1,728,065	112,835	6.13	1066	3814	71	31,707	0.794	1.
2. Mangaweka	..	471	89	18.90	45.19	..	..	..	352,556	..	352,556	..	306,342	46,194	13.10	1056	2083	87	26,638	0.605	2.
3. Manunui	..	192	34	17.71	25.55	..	..	..	76,117	..	76,117	..	65,408	10,709	14.06	68	346	23	13,081	0.179	3.
TOTALS	..	2,828	..	..	..	..	..	..	2,269,553	..	2,269,553	..	2,099,815	169,738	7.48 14	792	2661	68	29,164	..	..
COUNTY COUNCILS																					
1. Heathcote	..	8,407	1,163	13.83	47.15	..	..	..	4,802,790	..	4,802,790	..	4,274,484	528,306	10.99	1210	4406	406	258,276	1.128	1.
2. Kaikoura	..	326	80	24.56	29.66	..	..	209,280	..	..	209,280	..	165,714	43,566	20.82	103	558	36	20,058	0.269	2.
3. Murchison	..	637	140	21.98	35.23	398,828	..	33,250	..	..	432,078	..	381,489	50,589	11.71	508	1791	65	24,454	0.657	3.
4. Oawa	..	86	20	23.36	22.83	..	..	39,995	..	..	39,995	..	27,412	12,583	31.46	66	232	38	7,632	0.169	4.
5. Waimairi	36,822	36,763	4,223	11.46	49.51	..	..	..	18,322,645	..	18,322,645	13,893	16,476,847	1,831,905	10.00	902	3284	145	99,341	0.841	5.
TOTALS	..	46,239	..	..	..	398,828	..	282,525	23,125,435	..	23,806,788	13,893	21,325,946	2,466,949	10.36 14	869	3224	159	101,136	..	.
Totals Other Local Authorities	..	1,147,672	..	..	..	143,889,513	47,391,980	3,875,351	627,701,976	70,097,295	..	101,740,524	636,456,513	54,661,984	..	1056	3295	135	232,849	..	.
COMPANIES																					
1. Kanieri Electric Ltd. 6	..	4,160	1,120	26.92	54.51	5,346,800	..	1,640	..	..	5,348,440	..	4,677,802	670,638	12.54	1585	4044	351	155,927	0.348	1.
2. L. Keys, Kohokohu	..	112	..	..	..	..	..	16,463	..	..	16,463	..	16,323	140	0.85	68	240	17	6,182	..	2.
3. Reefton Electric Light & Power Co., Ltd.	..	713	75	10.52	45.97	285,778	..	16,294	..	..	302,072	..	226,554	75,518	25.00	184	550	66	26,653	0.182	3.
4. Rawene Motors Ltd.	..	125	12	9.76	25.22	..	..	26,503	..	..	26,503	..	20,582	5,921	22.34	53	349	106	20,582	0.203	4.
5. Wilson's (N.Z) Portland Cement Ltd.	28,585	6,858	3,250	12.27	69.61	15,796,400	..	..	4,049,700	..	19,846,100	10,966,900	6,812,249	3,066,951	23.28	5872	32,285	1275	47,411	..	5.
6. Westland Power Ltd. 6	..	2,388	396	16.58	43.85	1,371,040	..	..	149,856	..	1,520,896	85,250	1,200,777	234,859	16.36	379	2,865	44	17,102	1.050	6.
TOTALS	..	14,354	..	..	..	22,800,018	..	60,900	4,199,556	..	27,050,474	11,052,100	12,954,267	3,054,007	11.28 14	1417	6,124	399	154,880	..	.
GRAND TOTALS		3,131,154	..	..	..	3,259,359,900	96,009,501	9,590,113	..	..	..	2,058,325,087	1,890,227,014	476,697,533	20.16 12	1097	3,888	99	120,382 15 / 61,417 11	..	.
							3,364,959,514														

NOTES TO TABLE I

1. Includes Arapuni-Horahora-Hangahao-Waikaremoana main stations

Units sold per head of population in area of supply — Based on total units sold to ultimate consumers. (1,890,237,024 units.) / 1,097

8. Includes units lost in transmission and distribution, units used free

12. Percentage of total units generated.

6. For year ended 31st December, 1945.

13. Total units sold retail and in bulk divided by route miles of lines.

with Cobb & Stoke system maximum load of 7100 kW. 11. Total units sold retail divided by route miles of lines.

14. Percentage of units generated and purchased, less units interchanged with Government Systems.

TABLE XI — CAPITAL OUTLAY, FINANCIAL RESULTS OF GENERATION, DISTRIBUTION & OPERATION FOR YEAR ENDED MARCH 31st, 1946

For Notes See Page 10.

SUPPLY AUTHORITIES	Capital Outlay	Loan Liability	Revenue: Sales of Energy: Retail	Revenue: Sales of Energy: Bulk for Resale	Revenue: Trading Account Profit	Revenue: Other Sources (excl. rates)	Revenue: Total	Working Costs: Cost of Power: Generated [8]	Working Costs: Cost of Power: Purchased	Working Costs: Transmission and Distribution [7]	Working Costs: Management and General	Working Costs: Total	Capital Charges: Interest	Capital Charges: Sinking Fund	Capital Charges: Depreciation	Capital Charges: Other	Capital Charges: Total	Total Annual Costs	Net Results: Surplus	Net Results: Deficit	Amount Collected by rates to make up deficiency	No.
	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	
…o Hydro-electric Department																						
North Island System 1	19,810,759	16,015,410	73,239	1,828,573	..	25,332	1,927,144	322,158	278,576	174,627	187,271	962,634	515,414	..	260,767	..	776,181	1,738,815	188,329	..	..	1.
South Island System 2	9,963,554	8,036,658	272,288	674,478	123	9,915	958,804	74,404	3,714	121,454	109,935	309,507	333,162	137,043	33,399	..	503,604	813,111	143,693	..	..	2.
TOTALS	29,774,313	24,052,068	345,527	2,503,051	123	35,247	2,885,948	396,562	282,292	296,081	297,206	1,272,141	848,576	137,043	294,166	..	1,279,785	2,551,926	332,022 [9]	..	..	
…R BOARDS																						
Ashburton	449,123	380,049	77,893	..	1,199	1,818	80,909	..	35,836	15,887	5,745	55,468	14,473	10,652	..	4,070	29,204	84,692	..	5,785	..	1.
Auckland	5,429,835	1,358,828	997,692	..	1,415	20,231	1,019,338	..	445,768	122,222	86,514	652,524	69,044	65,986	30,657	77,231	242,908	895,432	123,906	..	..	2.
Banks Peninsula	117,239	94,427	19,854	..	257	646	20,717	179	7,545	2,514	2,458	12,696	5,862	2,750	200	895	7,687	20,385	334	..	..	3.
Bay of Islands	253,837	247,126	55,366	..	161	950	56,457	599	17,979	8,618	6,086	33,282	8,534	109	..	10,206	18,849	52,131	4,326	..	..	4.
Bay of Plenty	228,333	165,700	54,668	3,907	1,902	2,700	63,177	..	25,951	9,448	5,947	41,346	7,095	4,555	896	1,802	14,348	55,694	7,483	..	..	5.
Buller 5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...	6.
Cambridge	124,292	82,318	31,853	165	284	583	32,885	..	12,607	3,975	3,050	19,632	3,510	2,806	..	3,571	9,887	29,519	3,366	..	..	7.
Central Hawkes Bay	202,059	155,078	39,655	..	251	88	39,994	..	16,048	4,590	4,580	25,218	6,481	100	..	7,078	13,859	38,877	1,117	..	..	8.
Central Waikato	612,160	450,819	137,358	..	434	983	138,755	..	58,704	16,421	15,893	95,018	17,665	9,880	1,368	12,877	41,750	134,768	3,987	..	..	9.
Dannevirke	269,652	206,615	45,662	..	1,050	170	46,882	..	15,852	5,633	4,206	25,691	8,745	5,174	..	6,213	20,130	43,621	3,061	..	..	10.
Franklin	438,857	423,439	106,585	166	651	874	108,276	..	46,756	12,698	8,785	68,249	17,298	6,857	..	4,634	27,799	96,048	12,228	..	..	11.
Golden Bay	45,760	30,336	8,661	825	241	418	10,145	133	4,320	1,469	1,537	7,459	1,155	423	123	816	2,516	9,975	170	..	..	12.
Grey	254,414	178,518	96,785	..	..	1,222	98,005	..	41,391	10,423	9,535	61,349	7,511	8,035	159	2,242	17,947	79,296	18,709	..	..	13.
Hawkes Bay	580,409	470,928	133,743	31,044	..	479	165,266	7,344	71,750	15,772	12,108	106,954	23,687	7,290	..	12,582	42,559	149,513	15,753	..	..	14.
Horowhenua	307,521	177,651	85,652	..	956	1,145	87,753	..	42,392	10,121	7,253	59,766	7,369	163	..	11,250	18,782	78,548	9,205	..	..	15.
Hutt Valley 3	495,807	319,425	225,159	..	1,507	862	227,538	..	130,778	22,734	25,548	186,060	15,009	2,302	..	6,806	24,117	210,177	17,351	..	..	16.
King Country 3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17.
Malvern	71,350	68,550	10,867	..	237	136	11,240	..	3,694	2,595	2,218	8,507	2,899	1,405	417	..	4,719	13,226	..	1,986	1,628	18.
Manawatu Oroua	577,858	398,616	117,494	51,043	505	347	169,389	..	85,720	16,119	6,757	108,596	16,049	15,838	889	8,559	40,245	148,841	20,548	..	..	19.
Marlborough	377,607	294,669	47,553	1,290	100	1,223	50,146	2,755	10,750	5,805	3,942	23,252	12,075	6,497	2,241	1,599	23,412	45,644	4,502	..	..	20.
North Auckland	457,816	370,975	101,089	..	1,596	1,606	104,291	..	43,796	7,381	11,013	61,190	13,280	..	..	16,632	29,912	91,102	13,189	..	..	21.
North Canterbury	308,602	238,516	55,939	7,504	..	704	64,148	..	27,897	8,892	5,204	41,993	9,243	5,785	..	4,915	19,940	61,933	2,215	..	..	22.
Opunake	135,907	72,663	24,888	5,140	167	452	30,647	1,737	10,559	3,112	2,837	18,245	5,178	3,040	778	1,843	8,759	26,984	3,663	..	..	23.
Otago	378,541	282,370	60,879	..	515	..	61,394	..	19,881	11,239	5,466	34,586	11,677	4,970	..	7,583	24,229	58,817	2,577	..	..	24.
Otago Central	238,292	152,235	37,973	..	276	37	38,286	3,385	400	4,553	4,885	12,157	3,379	555	301	6,699	12,934	25,121	13,165	..	..	25.
Poverty Bay	424,861	275,009	99,847	8,828	139	1,072	109,886	8,140	52,250	17,420	10,265	88,075	11,169	10,850	..	7,056	29,125	97,198	12,687	..	..	26.
South Canterbury	418,933	314,968	70,950	30,606	1,916	818	104,289	..	54,378	15,539	7,058	76,975	12,667	10,360	..	4,764	27,791	104,766	..	478	..	27.
South Taranaki	282,400	156,557	71,750	6,164	456	583	78,743	3,458	27,621	11,229	8,520	50,828	6,515	5,316	5,000	3,953	13,784	69,612	9,131	..	..	28.
Springs Ellesmere	207,568	151,881	62,456	..	251	394	63,101	..	33,199	9,635	5,595	48,429	6,179	4,923	..	6,145	17,247	65,676	..	2,575	..	29.
Taranaki	516,317	401,402	56,691	17,255	30	777	74,762	2,940	14,947	9,709	6,943	34,539	16,575	..	2,350	15,338	34,363	88,902	5,080	..	..	30.
Tararua	180,542	158,494	41,348	..	440	853	42,550	..	14,776	2,075	3,772	21,225	6,559	3,207	..	5,294	15,140	36,365	6,257	..	..	31.
Tauranga	241,470	191,777	55,812	2,481	455	1,926	60,673	..	29,942	9,004	4,505	43,751	7,667	5,974	..	3,937	15,628	50,379	1,574	..	..	32.
Te Awamutu	263,483	183,434	57,067	..	35	385	57,457	..	19,939	5,846	4,474	30,259	7,403	4,226	800	2,505	15,024	45,283	12,174	..	..	33.
Teviot	63,164	35,050	7,261	400	268	225	8,154	719	..	767	1,647	3,133	1,515	1,616	283	563	3,979	7,112	1,042	..	..	34.
Thames Valley	918,164	725,983	183,203	12,875	1,483	1,666	199,245	..	86,912	22,401	12,424	121,757	23,850	9,388	..	27,054	65,332	187,069	12,176	..	..	35.
Waimea	109,034	112,699	41,210	16,450	1,128	1,022	59,810	67	26,566	5,496	5,409	37,538	4,350	..	..	7,223	11,573	49,110	10,700	..	..	36.
Wairarapa	339,631	307,370	95,140	3,000	2,079	1,517	102,036	851	38,207	16,366	6,898	62,312	12,976	9,437	5,425	1,823	29,710	92,022	10,014	..	..	37.
Wairere	67,655	66,770	9,776	..	398	184	10,358	1,910	..	1,097	1,069	4,076	3,633	1,099	..	1,703	5,439	9,515	843	..	..	38.
Wairoa	75,569	55,172	13,006	9,063	234	331	22,744	..	13,376	1,391	1,092	15,759	2,533	782	..	2,175	5,480	21,248	1,496	..	..	39.
Waitaki	251,450	190,615	69,573	..	2,652	454	72,678	1,317	32,150	15,998	5,746	55,209	7,759	4,933	2,399	3,885	17,856	71,065	1,613	..	..	40.
Waitemata	710,795	561,547	235,234	..	1,282	3,022	240,538	..	100,583	35,978	20,234	156,795	22,263	4,255	..	17,740	44,284	201,059	39,479	..	..	41.
Waitomo	171,200	130,010	42,928	..	886	138	43,952	..	17,332	3,093	4,142	24,567	4,648	2,095	775	2,554	10,270	34,837	9,115	..	..	42.
Wanganui-Rangitikei	691,537	335,357	159,441	6,842	..	2,869	169,152	5,983	67,423	19,287	13,642	106,015	17,133	5,000	1,023	21,432	42,687	148,602	20,530	..	..	43.
Westland 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	44.
TOTALS	16,452,495	11,205,935	3,946,978	216,038	27,812	53,038	4,245,854	40,215	1,786,965	527,116	340,192	2,714,488	464,955	241,590	54,031	344,296	1,104,872	5,819,380	455,316	8,823	..	
…R LOCAL AUTHORITIES																						
…COUNCILS																						
Christchurch	1,285,566	248,556	412,885	24,468	167	476	437,976	..	254,398	65,860	23,879	343,137	10,130	9,858	31,879	10,107	61,952	405,089	32,887	..	..	1.
Dunedin	2,110,775	1,242,200	348,397	13,579	449	2,799	365,017	21,996	60,000	53,894	31,702	167,592	43,661	56,040	..	818	102,519	270,111	94,906	..	..	2.
Hamilton	95,501	..	61,893	..	..	250	62,143	..	27,829	11,088	3,602	42,519	64	..	..	3,010	3,074	45,593	16,550	..	..	3.
Invercargill	177,163	67,921	68,794	169	..	1,543	70,506	4,731	31,601	6,767	5,893	48,994	3,039	..	405	4,708	8,150	57,144	13,362	..	..	4.
Nelson	159,870	60,386	40,120	135	..	1,477	41,732	4,063	15,250	4,526	5,342	29,181	2,507	2,114	2,857	333	8,071	37,252	4,460	..	..	5.
Palmerston North	338,683	131,613	94,869	9,973	338	3,942	109,122	12,048	50,916	6,598	5,265	74,827	5,863	5,100	..	776	11,759	86,586	22,336	..	..	6.
Wellington	1,655,541	300,852	509,571	173,863	..	36,077	719,511	210,310	227,298	86,072	35,080	558,760	7,208	15,526	36,616	8,668	68,040	646,800	72,711	..	..	7.
TOTALS	5,803,108	2,051,508	1,535,509	321,980	954	46,564	1,906,007	253,148	667,292	234,805	109,765	1,265,010	72,553	90,616	91,755	28,640	283,565	1,548,575	357,432	..	..	

CIAL RESULTS OF GENERATION, DISTRIBUTION & OPERATION FOR YEAR ENDED MARCH 31st, 1946 (continued)

SUPPLY AUTHORITIES	Capital Outlay	Loan Liability	Revenue: Sales of Energy: Retail	Revenue: Sales of Energy: Bulk for Resale	Revenue: Trading Account Profit	Revenue: Other Sources (excl. rates)	Revenue: Total	Working Costs: Cost of Power: Generated 8	Working Costs: Cost of Power: Purchased	Working Costs: Transmission and Distribution 7	Working Costs: Management and General	Working Costs: Total	Capital Charges: Interest	Capital Charges: Sinking Fund	Capital Charges: Depreciation	Capital Charges: Other	Capital Charges: Total	Total Annual Costs	Net Results: Surplus	Net Results: Deficit	Amount Collected by rates to make up deficiency	No.
	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	£ NZ	
BOROUGH COUNCILS																						
Bluff	13,362	3,310	7,635	..	326	73	8,034	..	4,604	470	1,085	6,159	146	444	200	21	811	6,970	1,064	..	..	1.
Inglewood	10,734	9,257	5,800	..	..	..	5,800	..	2,425	1,627	972	5,223	400	340	100	155	995	6,217	..	417	..	2.
Kaiapoi	15,947	3,715	5,979	..	218	..	6,197	..	3,222	1,029	644	4,895	244	234	148	..	626	5,521	676	..	..	3.
Lyttelton	17,940	2,635	12,435	..	451	..	12,886	..	5,667	3,868	224	9,957	134	309	394	..	727	10,684	2,202	..	..	4.
Napier	137,602	134,032	60,878	4,250	455	466	66,049	1,611	23,897	9,214	4,876	39,598	5,696	1,883	2,704	718	10,801	50,199	15,850	..	..	5.
New Plymouth	402,696	198,380	111,583	20,431	1,288	1,788	135,090	4,607	49,901	28,747	6,366	89,621	9,446	2,901	..	7,677	20,024	109,645	25,445	..	..	6.
Ohakune	12,270	7,445	5,951	1,563	342	..	7,856	1,280	2,379	898	730	5,287	331	524	..	377	1,232	6,499	1,357	..	..	7.
Patea	21,680	14,424	8,341	178	..	6	8,525	139	4,111	1,133	1,300	6,683	603	156	..	462	1,221	7,904	621	..	..	8.
Picton	17,205	10,067	6,482	..	..	..	6,482	5,798	..	850	593	7,241	444	384	100	..	928	8,169	..	1687	..	9.
Raetihi	25,376	16,616	6,204	..	574	75	6,853	425	..	1,361	1,290	3,076	743	666	..	1,181	2,592	5,668	1,185	..	..	10.
Rangiora	12,268	2,985	9,191	..	194	62	9,447	..	4,282	978	1,928	7,188	126	173	165	277	739	7,927	1,520	..	..	11.
Riccarton	50,726	9,351	26,615	..	682	52	27,329	..	17,886	3,457	1,543	22,886	440	1,020	..	406	1,866	24,732	2,597	..	..	12.
Ross 5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...	...	..	13.
Rotorua (Tourist Department)	156,834	125,834	51,548	..	..	3,032	54,580	..	19,747	11,398	5,782	35,927	5,285	2,114	2,114	..	9,513	45,440	9,140	..	..	14.
Stratford	39,316	32,598	18,007	..	..	13	18,020	..	7,210	2,023	2,263	11,496	1,586	1,621	..	233	3,240	14,736	3,284	..	..	15.
Taihape	12,179	5,109	8,925	..	51	..	8,976	866	2,194	1,334	951	5,367	228	108	..	363	697	6,064	2,912	..	..	16.
Taumarunui	84,994	43,009	15,952	7,551	17	387	23,907	2,394	5,670	1,887	2,148	12,099	1,854	1,707	..	1,802	5,363	17,462	6,445	..	..	17.
Tauranga	168,584	101,950	22,370	9,250	5	881	32,506	3,839	..	3,404	4,513	11,756	4,424	3,134	1,000	..	8,558	20,314	12,193	..	..	18.
Te Aroha	22,296	5,063	9,604	107	..	174	9,885	107	5,403	3,556	841	9,907	195	93	..	171	459	10,366	..	481	..	19.
Te Puke	15,558	5,348	4,942	..	..	217	5,159	..	2,481	666	347	3,494	230	..	290	271	791	4,285	874	..	..	20.
Thames	29,472	14,371	17,010	..	616	3	17,629	504	7,473	2,253	1,007	11,216	448	211	174	1,041	1,874	13,090	4,539	..	..	21.
Timaru	141,924	..	52,525	..	336	663	53,524	172	30,606	8,954	4,864	44,596	..	..	..	2,102	2,102	46,698	6,826	..	..	22.
Wairoa	16,664	10,666	16,730	..	4	78	16,812	..	8,997	1,118	930	11,045	454	508	..	205	1,167	12,212	4,600	..	..	23.
Waitara	15,591	6,100	7,525	..	..	368	7,893	..	3,263	924	703	4,890	298	620	..	..	918	5,808	2,085	..	..	24.
Westport	45,853	24,403	15,036	..	312	45	16,193	478	6,037	4,339	1,563	12,317	1,127	1,371	..	623	3,121	15,438	755	..	..	25.
Whakatane	42,513	27,978	14,113	..	159	5	14,277	..	3,907	1,814	1,008	6,727	1,210	1,162	..	535	2,907	9,634	4,643	..	..	26.
Whangarei	127,706	24,365	35,690	..	1,864	42	37,596	..	16,159	6,946	4,775	27,860	1,117	460	3,117	..	4,694	32,554	5,042	..	..	27.
TOTALS	1,677,290	842,311	557,971	43,330	7,774	8,450	617,505	22,222	236,698	104,286	53,034	416,270	35,997	21,845	10,504	18,620	87,966	504,236	115,854	2,585	..	
TOWN BOARDS																						
Kapunga	24,269	11,915	8,341	..	125	2	8,468	..	4,207	1,009	1,049	6,265	497	494	..	252	1,243	7,508	960	..	..	1.
Kargaweka	4,595	2,150	1,612	..	363	70	2,050	..	661	854	500	1,995	91	22	267	..	400	2,395	..	345	161	2.
Manaaui	2,790	3,500	1,224	..	..	..	1,224	..	426	55	250	731	149	94	..	..	243	974	250	..	..	3.
TOTALS	31,654	17,565	11,177	..	493	72	11,742	..	5,494	1,898	1,599	8,991	737	610	287	252	1,886	10,877	1,210	345	161	
COUNTY COUNCILS																						
Heathcote	10,539	11,052	13,344	..	..	115	13,459	..	9,231	1,808	535	11,574	456	..	735	436	1,627	13,201	258	..	..	1.
Kaikoura	8,613	8,073	4,456	..	227	..	4,683	2,955	..	139	248	3,342	362	..	..	628	990	4,332	323	..	412	2.
Murchison	11,255	9,062	3,012	..	26	..	3,038	585	..	499	397	1,481	433	..	550	390	1,373	2,854	184	..	..	3.
Otara	1,800	..	1,308	..	..	250	1,558	1,454	..	..	95	1,549	..	..	..	..	..	1,549	9	..	..	4.
Waimairi	113,872	13,700	46,746	54	..	320	47,120	..	32,588	4,570	4,684	41,842	602	2,111	2,329	..	5,042	46,884	236	..	80	5.
TOTALS	146,079	40,887	68,866	54	253	685	69,660	4,994	41,819	7,016	5,959	59,788	1,853	2,111	3,614	1,454	9,032	68,820	1,040	..	492	
TOTALS HER LOCAL AUTHORITIES	7,658,131	2,952,071	2,174,525	33,364	9,474	55,751	2,505,114	280,364	951,303	348,005	170,367	1,750,059	112,159	115,164	108,160	48,968	382,449	2,132,508	375,556	2930	653	
COMPANIES																						
Kaniere Electric Ltd. 6	73,071	60,000	15,343	..	62	48	15,453	5,396	..	2,049	3,270	10,715	2,447	..	1,042	..	3,489	14,204	1,249	..	..	1.
L. Keys, Kohukohu	5,175	5,175	816	..	..	..	816	609	..	..	7	816	..	..	..	..	..	816	..	..	..	2.
Reefton Electric Light & Power Co.	7,237	6,000	4,314	..	73	52	4,439	648	..	507	1,299	2,454	..	..	203	..	206	2,660	1,779	..	..	3.
Rawene Motors Ltd.	928	400	780	..	..	..	780	734	..	..	68	802	..	..	59	..	59	861	..	81	..	4.
Wilsons (N.Z) Portland Cement Ltd.	69,915	72,319	9,504	19,081	9	322	28,916	5,793	8,388	2,177	1,194	17,552	..	..	1,800	..	1,800	19,352	9,564	..	..	5.
Westland Power Ltd. 6	70,763	58,148	6,575	118	98	..	6,791	1,453	587	825	2,903	5,768	1,887	..	1,411	..	3,278	9,044	..	2253	..	6.
TOTALS	227,089	202,042	37,332	19,199	242	422	57,195	14,633	8,975	5,558	8,741	38,105	4,314	..	4,516	..	8,832	46,957	12,592	2334	..	
GRAND TOTALS	8,113,028	3,412,144	2,504,360	3,002,652	37,651	147,447	9,692,111	731,974	3,029,554	1,178,760	656,525	5,774,793	1,429,984	493,817	458,675	393,282	2,775,958	8,550,731	1,155,466	14086	2281	

2. Includes Coleridge-Waitaki-Arnold-Moorwai-Highbank main stations and Dobson standby station all interconnected, also Cobb main station and Stoke standby station not interconnected.

5. No return received.

8. Actual running-costs only, including fuel, wages, stores, repairs, and maintenance.

9. £423,674 paid in taxation.

TABLE XIII — AVERAGES DERIVED FROM PREVIOUS TABLES YEAR ENDED MARCH 31st, 1946

For Notes See Page 13.

Supply Authorities	Capital Outlay: Per Head of Population	Capital Outlay: Per Consumer	Capital Outlay: Per £1 of Revenue	Revenue from Sale of Electricity: Per Unit Sold Overall including Bulk Sales	Revenue: Per Unit sold excluding Bulk Sales	Revenue: Per Unit sold Domestic Supply	Revenue: Per Head of Population (a)	Revenue: Per Retail Consumer	Revenue: Per kW. of maximum Demand	Revenue: Per Route Mile of Line (b)	Working Costs: Per Unit Sold	Working Costs: Per kW of Maximum Demand	Working Costs: Per Cent of Total Revenue	Capital Charges: Per Unit Sold	Capital Charges: Per kW of Maximum Demand	Capital Charges: Per Cent of Capital Outlay	Total Cost: Per Unit Sold	Total Cost: Per kW of Maximum Demand	Total Cost: Per Cent of Distribution Capital	No.
	£ NZ	£ NZ	£ NZ	d.	d.	d.	£ NZ	£ NZ	£ NZ	£ NZ	d.	£ NZ	%	d.	£ NZ	%	d.	£ NZ	%	
State Hydro-electric Department																				
North Island System 1	..	..	10.42	0.321	0.403	..	..	..	..	1025.80	0.163	3.14	49.94	0.151	2.55	3.92	0.293	5.67	18.85	1
South Island System 2	..	..	10.85	0.429	0.826	..	..	..	..	251.66	0.141	2.40	32.34	0.228	3.91	5.05	0.366	6.32	19.46	2
TOTALS	..	..	10.45(c)	0.350(d)	0.675(e)	..	..	..	..	507.22(f)	0.156(g)	..	44.11(h)	0.157(j)	..	4.29(k)	0.314(l)	..	19.04(m)	
OWER BOARDS																				
Ashburton	23.66	86.20	5.77	0.887	0.887	0.745	4.26	14.95	18.08	74.32	0.662	12.69	68.59	0.335	6.78	6.50	0.965	19.66	18.86	1.
Auckland	13.30	46.12	3.44	0.707	0.707	0.650	3.95	13.42	11.77	759.13	0.462	7.70	64.01	0.172	2.87	7.08	0.634	10.57	26.11	2.
Banks Peninsula	35.59	97.62	5.91	1.233	1.233	1.223	5.93	16.51	19.50	90.30	0.789	12.48	61.28	0.477	7.55	6.55	1.266	20.03	18.97	3.
Bay of Islands	8.27	80.11	4.57	1.204	1.204	1.254	1.84	17.54	24.59	95.99	0.725	14.78	58.95	0.411	8.37	7.46	1.136	23.15	21.15	4.
Bay of Plenty	13.33	85.60	3.68	0.761	0.954	0.663	3.49	20.68	18.96	180.04	0.537	13.38	65.44	0.186	4.64	6.34	0.723	18.02	24.61	5.
Buller 3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6.
Cambridge	13.06	57.83	3.88	0.898	0.900	0.777	3.96	14.82	18.40	161.45	0.551	11.28	69.70	0.277	5.68	7.98	0.828	16.96	23.75	7.
Central Hawkes Bay	19.57	86.05	3.10	0.954	0.954	0.869	3.67	16.89	19.91	115.27	0.607	12.70	63.05	0.328	6.86	6.76	0.935	19.52	19.31	8.
Central Waikato	18.49	71.30	4.47	0.798	0.798	0.849	4.19	15.99	16.80	143.51	0.540	12.73	67.04	0.242	5.71	6.82	0.782	18.44	22.02	9.
Dannevirke	22.41	79.38	5.91	1.280	1.280	1.211	3.89	13.43	27.95	120.83	0.684	14.52	50.55	0.564	12.33	7.46	1.226	26.85	16.25	10.
Franklin	18.63	72.23	4.11	0.811	0.812	0.805	4.58	17.54	17.65	130.79	0.516	11.28	63.03	0.212	4.60	6.33	0.730	15.88	21.90	11.
Golden Bay	14.13	70.95	4.82	0.990	0.948	0.835	2.87	13.43	17.40	99.15	0.779	13.68	73.52	0.262	4.61	5.50	1.041	18.30	24.26	12.
Grey	14.87	47.02	2.63	0.844	0.844	1.393	5.61	17.89	17.18	304.80	0.535	10.89	62.60	0.156	3.19	7.05	0.691	14.08	31.17	13.
Hawkes Bay	16.25	58.52	3.52	0.700	0.816	0.770	3.76	13.48	17.13	306.30	0.454	11.12	64.72	0.180	4.42	7.33	0.634	15.54	28.54	14.
Horowhenua	15.65	42.91	3.59	1.001	1.001	0.868	4.43	11.95	15.77	212.48	0.698	11.01	68.11	0.219	3.46	6.11	0.917	14.47	23.54	15.
Hutt Valley	7.04	23.66	2.20	0.651	0.651	0.512	3.23	11.63	11.11	623.19	0.538	9.18	81.77	0.069	1.19	4.87	0.607	10.37	42.41	16.
King Country 3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17.
Malvern	13.88	67.95	6.56	1.607	1.607	1.523	2.50	13.40	27.10	56.02	1.258	21.21	75.69	0.698	11.77	6.62	1.956	32.98	18.54	18.
Manawatu Gorge	23.14	90.72	3.43	0.650	0.973	1.019	5.14	18.44	13.70	239.94	0.419	8.83	64.11	0.165	3.27	6.96	0.674	12.10	25.90	19.
Marlborough	24.23	99.63	7.73	1.474	1.540	1.233	3.13	12.54	26.60	162.06	0.701	12.35	46.33	0.676	11.91	5.94	1.377	24.26	19.07	20.
North Auckland	17.42	80.36	4.53	0.950	0.950	1.008	3.93	17.74	19.06	102.84	0.675	11.54	58.67	0.321	5.64	6.53	0.856	17.18	19.90	21.
North Canterbury	20.76	72.82	4.86	0.985	1.166	1.231	3.61	13.16	19.07	70.59	0.632	12.63	65.46	0.309	5.99	6.46	0.961	18.61	20.07	22.
Opuaho	23.80	93.10	4.53	0.999	1.073	1.153	4.46	17.42	23.21	158.04	0.607	14.10	60.72	0.290	6.76	6.43	0.897	20.86	27.54	23.
Otago	15.09	69.00	6.22	1.429	1.429	2.078	2.44	11.10	23.73	82.66	0.812	13.48	56.34	0.568	9.45	6.40	1.380	22.93	15.54	24.
Otago Central	29.41	103.68	8.28	0.681	0.681	0.548	4.72	16.55	14.82	98.50	0.216	4.73	31.83	0.232	5.04	5.43	0.450	9.80	14.48	25.
Poverty Bay	12.95	61.40	3.91	1.114	1.059	0.960	3.08	14.45	23.86	239.43	0.698	14.94	61.95	0.298	6.39	6.86	0.996	21.34	26.44	26.
South Canterbury	16.81	72.85	4.13	0.750	1.001	1.207	2.95	12.34	14.17	109.76	0.533	10.74	73.61	0.200	3.88	6.63	0.753	14.62	23.01	27.
South Taranaki	16.46	59.21	3.37	0.906	0.935	0.841	4.83	16.19	18.66	215.19	0.591	12.17	64.33	0.218	4.50	7.16	0.809	16.67	31.32	28.
Springs Ellesmere	14.27	64.25	3.32	0.797	0.797	0.893	4.34	19.33	13.39	157.92	0.618	10.54	76.73	0.230	3.78	8.31	0.858	14.29	31.84	29.
Taranaki	36.46	153.80	6.98	0.758	0.943	1.055	4.06	17.11	15.60	38.16	0.354	7.29	46.20	0.352	7.25	6.66	0.706	14.54	22.90	30.
Tararua	18.60	79.77	4.36	1.187	1.187	1.029	4.44	18.27	24.09	105.68	0.609	12.36	49.76	0.434	8.82	8.38	1.043	21.18	20.14	31.
Tauranga	18.21	83.09	4.14	0.846	0.672	0.809	4.38	19.21	16.19	89.96	0.655	12.15	72.11	0.226	4.34	6.47	0.881	16.49	24.59	32.
Te Awamutu	20.61	93.55	4.97	0.939	0.939	0.903	4.17	19.03	22.48	155.86	0.498	11.93	52.66	0.247	5.92	5.30	0.745	17.84	15.97	33.
Tewiet	37.83	118.28	8.24	0.334	0.579	0.533	4.64	13.60	10.21	107.15	0.136	4.18	38.48	0.173	5.31	8.50	0.309	9.48	15.81	34.
Thames Valley	21.18	81.42	4.67	0.856	0.882	0.876	4.31	16.28	17.69	182.83	0.519	10.99	61.10	0.278	5.89	7.13	0.797	16.88	20.42	35.
Waimea	12.01	50.78	3.43	0.976	1.478	1.430	2.63	10.57	17.00	282.40	0.655	11.07	62.76	0.193	3.41	5.84	0.850	14.48	29.13	36.
Wairarapa	15.92	61.01	4.06	0.874	0.948	0.916	3.93	14.53	19.43	152.45	0.553	19.43	61.07	0.264	5.86	7.45	0.819	18.21	28.50	37.
Wairere	29.99	134.79	8.99	0.879	0.879	0.818	3.53	14.99	16.29	49.52	0.366	6.79	39.35	0.489	9.07	6.19	0.855	15.85	15.02	38.
Wairoa	9.34	127.29	3.45	0.698	0.975	1.278	1.68	21.92	14.93	190.77	0.497	10.63	69.29	0.173	3.70	7.23	0.670	14.34	23.01	39.
Waitaki	14.45	47.50	3.61	0.867	0.867	0.693	4.17	13.14	16.03	121.28	0.663	12.26	73.21	0.323	4.14	7.10	0.885	16.37	30.84	40.
Waitemata	11.07	55.94	3.01	0.852	0.852	0.879	3.74	11.94	17.13	173.07	0.565	11.37	18.40	0.159	3.21	6.28	0.724	14.58	29.29	41.
Waitomo	15.01	71.07	3.93	1.013	1.013	0.794	5.85	17.82	19.71	184.84	0.579	11.28	55.90	0.242	4.72	5.99	0.821	15.99	20.33	42.
Wanganui Rangitikei	14.69	54.35	4.18	0.989	0.998	0.893	3.45	12.54	19.09	168.29	0.630	12.17	62.67	0.253	4.89	6.16	0.884	17.06	25.84	43.
Westland 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	44.
TOTALS	15.50 (n)	59.36 (o)	3.95 (c)	0.809 (d)	0.847 (e)	..	3.80 (p)	14.24 (r)	..	190.65 (f)	0.538 (g)	..	65.93 (h)	0.215 (j)	..	6.72 (k)	0.742 (l)	..	24.84 (m)	
OTHER LOCAL AUTHORITIES																				
CITY COUNCILS																				
1. Christchurch	10.53	33.43	2.89	0.638	0.584	0.565	3.44	10.91	9.76	2038.92	0.516	7.66	78.35	0.095	1.38	4.90	0.609	9.04	32.01	1.
2. Dunedin	22.61	63.17	5.83	0.698	0.719	0.550	3.76	10.43	10.21	565.96	0.325	4.73	45.91	0.197	2.89	4.86	0.520	7.63	26.76	2.
3. Hamilton	4.43	14.85	1.54	0.931	0.931	0.738	3.88	9.63	15.17	785.03	0.640	10.42	68.43	0.046	0.75	3.22	0.686	11.18	57.39	3.
4. Invercargill	7.67	23.88	2.57	1.194	1.194	1.150	3.04	9.27	17.48	792.68	0.847	12.42	69.49	0.141	2.07	4.60	0.988	14.48	45.70	4.
5. Nelson	11.79	40.28	3.97	1.494	1.493	1.046	3.06	10.11	21.19	630.15	1.033	15.36	69.92	0.299	4.25	5.05	1.382	19.61	34.66	5.
6. Palmerston North	12.67	43.35	3.23	0.840	0.829	0.609	3.76	12.14	15.61	1081.18	0.600	11.14	68.57	0.094	1.75	5.47	0.694	12.89	40.01	6.
7. Wellington	12.91	38.41	2.42	0.813	0.793	0.507	4.25	11.82	16.94	2103.20	0.866	13.85	77.86	0.104	2.18	5.32	0.770	16.03	40.33	7.
TOTALS	13.62 (n)	41.65 (o)	3.30 (c)	0.766 (d)	0.770 (e)	..	3.72 (p)	10.97 (r)	..	1027.15 (f)	0.650 (g)	..	70.06 (h)	0.123 (j)	..	4.89 (k)	0.674 (l)	..	37.59 (m)	

TABLE XIII — AVERAGES DERIVED FROM PREVIOUS TABLES, YEAR ENDED MARCH 31st 1946 (continued)

For Notes See Page 13.

ly tion	Capital Outlay			Revenue from Sale of Electricity							Working Costs			Capital Charges			Total Cost			
	Per Head of Population	Per Consumer	Per £1 of Revenue	Per Unit Sold Overall including Bulk Sales	Per Unit sold Excluding Bulk Sales	Per Unit sold Domestic Supply	Per Head of Population (a)	Per Retail Consumer	Per kW of Maximum Demand	Per Route Mile of Line (b)	Per Unit Sold	Per kW. of Maximum Demand	Per Cent of Total Revenue	Per Unit Sold	Per kW of Maximum Demand	Per Cent of Capital Outlay	Per Unit Sold	Per kW of Maximum Demand	Per Cent of Distribution Capital	
	£ NZ	£ NZ	£ NZ	d.	d.	d.	£ NZ	£ NZ	£ NZ	£ NZ	d.	£ NZ	%	d.	£ NZ	%	d.	£ NZ	%	
	6.36	21.38	1.750	2.046	2.046	3.770	3.82	12.22	19.95	610.07	1.650	16.09	78.66	0.217	2.12	6.07	1.867	18.21	52.16	1
	8.07	22.69	1.85	1.409	1.409	1.187	4.36	12.28	20.57	630.43	1.269	18.52	90.03	0.241	3.55	9.27	1.510	22.05	67.93	2
	9.00	26.33	2.67	1.006	1.006	0.939	3.50	9.95	16.00	456.10	0.824	13.10	78.99	0.105	1.67	3.93	0.929	14.77	34.62	3
	5.32	17.35	1.44	1.357	1.357	1.276	3.82	12.03	16.41	894.60	1.071	15.14	77.27	0.078	0.96	4.05	1.149	14.10	59.55	4
	8.75	27.81	2.11	1.054	1.002	0.793	3.93	12.30	25.96	1460.18	0.625	15.70	59.65	0.171	4.30	7.85	0.796	20.01	45.91	5
	15.04	49.64	3.05	0.646	0.803	0.669	4.28	13.76	20.37	347.01	0.438	13.83	68.34	0.098	3.09	4.97	0.536	16.92	66.63	6
	5.47	19.69	1.63	1.495	1.794	1.662	2.80	9.65	37.39	326.70	1.048	26.21	67.04	0.245	6.13	10.04	1.293	32.34	98.80	7
	11.11	38.65	2.54	1.113	1.103	1.059	4.28	14.87	22.30	363.75	0.875	17.49	78.39	0.159	3.20	5.63	1.032	20.69	50.09	8
	10.68	35.41	2.65	3.852	3.852	4.431	4.02	12.96	45.33	617.33	4.304	50.64	111.71	0.551	6.49	5.39	4.855	57.13	85.84	9
	17.89	83.31	3.63	1.771	1.771	1.611	2.97	12.56	24.82	221.57	0.678	13.30	44.89	0.740	10.37	6.30	1.618	22.67	27.39	10
	6.26	17.68	1.67	1.024	1.024	0.855	3.85	10.59	18.43	633.37	0.801	14.42	76.09	0.082	1.48	4.81	0.883	15.90	51.64	11
	6.35	22.55	1.91	0.680	0.660	0.528	3.42	11.83	11.11	1108.98	0.584	9.55	83.67	0.047	0.80	3.68	0.631	10.35	48.76	11
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
int Department)	11.94	37.74	3.04	1.213	1.213	1.024	4.15	12.40	22.48	295.78	0.845	15.67	65.82	0.223	4.15	6.07	1.068	19.82	29.45	14
	9.90	30.67	2.18	1.141	1.141	0.893	4.53	14.05	22.51	776.16	0.728	14.37	63.80	0.205	4.05	8.24	0.933	18.42	37.48	15
	5.43	17.37	1.36	1.696	1.696	1.221	4.00	12.73	26.25	850.00	1.020	15.79	59.79	0.132	2.05	5.72	1.152	17.84	109.46	16
	19.22	65.43	3.62	0.935	1.541	1.133	3.47	12.28	38.28	708.35	0.481	19.71	50.61	0.213	8.73	6.31	0.694	28.44	43.68	17
	37.94	108.13	5.96	0.434	0.622	0.551	4.67	12.83	10.21	487.44	0.161	3.80	36.17	0.117	2.76	4.54	0.278	6.56	28.72	18
	8.99	26.46	2.30	0.998	0.999	0.865	3.94	11.22	16.66	524.92	1.018	10.99	100.22	0.047	0.79	2.06	1.065	17.78	70.67	19
	13.39	28.97	3.15	1.111	1.111	0.943	4.40	9.20	18.98	399.61	0.785	13.42	67.73	0.177	3.04	5.08	0.962	16.45	27.54	20
	6.88	22.13	1.73	1.156	1.171	1.040	4.11	13.77	23.39	701.44	0.762	15.42	63.62	0.127	2.58	6.36	0.889	18.00	54.68	21
	7.50	25.16	2.70	0.822	0.822	0.584	2.85	9.31	13.99	720.90	0.698	11.88	83.32	0.032	0.60	1.46	0.730	12.44	32.90	22
	5.64	17.77	0.99	1.063	1.063	0.987	5.69	17.84	16.93	649.24	11.179	11.18	65.70	0.074	1.18	7.00	0.776	12.36	73.28	23
	6.49	20.73	2.07	1.232	1.232	1.072	3.28	10.01	19.80	596.28	0.800	12.87	61.95	0.150	2.42	5.89	0.950	15.28	37.25	24
	8.23	28.77	2.68	2.497	2.497	1.970	2.90	9.98	35.89	426.67	1.929	27.74	76.06	0.489	7.03	6.81	2.418	34.77	50.35	25
	14.71	51.34	3.01	1.249	1.249	1.032	4.94	17.04	22.12	773.31	0.595	10.54	47.12	0.257	4.56	6.84	0.852	15.10	29.37	26
	13.25	42.41	3.58	1.191	1.191	0.885	3.89	11.85	19.98	603.21	0.930	15.60	74.10	0.156	2.63	3.68	1.086	18.23	25.49	27
	11.25 (n)	36.66 (o)	2.79 (c)	0.884 (d)	0.998 (e)	..	3.85 (p)	12.20 (r)	..	510.44 (f)	0.612 (g)	..	87.41 (h)	0.139 (j)	..	5.25 (k)	0.742 (l)	..	42.81 (m)	
	14.98	53.57	2.91	1.158	1.158	1.026	5.22	18.41	23.17	153.05	0.870	17.40	73.98	0.172	3.45	5.12	1.042	20.85	31.06	
	15.84	31.26	2.85	1.283	1.283	1.278	7.09	10.97	18.11	140.17	1.562	22.42	97.32	0.313	4.49	8.71	1.875	26.91	68.10	
	3.77	14.76	2.28	4.491	4.491	0.464	1.65	6.48	38.00	244.80	2.662	21.50	59.72	0.891	7.15	8.71	3.573	28.65	34.91	
	11.94 (n)	40.12 (o)	2.85 (c)	1.277 (d)	1.277 (e)	..	4.45 (p)	14.17 (r)	..	155.24 (f)	1.027 (g)	..	76.58 (h)	0.215 (j)	..	5.94 (k)	1.243 (l)	..	35.66 (m)	
	2.98	10.83	0.79	0.749	0.749	0.693	3.81	13.78	11.47	806.28	0.649	9.95	85.99	0.091	1.40	15.44	0.740	11.35	125.26	
	5.58	29.00	1.95	6.456	6.456	6.999	2.92	15.01	55.73	540.36	4.840	41.78	71.33	1.433	12.38	11.49	6.257	54.15	146.30	
	15.00	52.84	3.74	1.897	1.897	2.488	4.05	14.14	21.51	193.08	0.931	10.58	48.75	0.863	9.81	12.20	1.794	20.39	48.64	
	4.39	15.25	1.58	11.451	11.451	12.619	3.80	11.08	65.40	373.71	13.561	77.45	99.42	..	..	..	13.561	77.45	215.74	
	6.25	23.70	2.45	0.681	0.660	0.651	2.57	9.32	11.08	281.93	0.608	9.91	88.80	0.073	1.19	4.45	0.682	11.10	41.17	
	5.95 (n)	22.08 (o)	2.11 (c)	0.775 (d)	0.775 (e)	..	2.84 (p)	10.41 (r)	..	328.64 (f)	0.872 (g)	..	85.58 (h)	0.102 (j)	..	6.19 (k)	0.774 (l)	..	51.40 (m)	
ORITIES	12.71 (n)	39.65 (o)	3.14 (c)	0.795 (d)	0.820 (e)	..	3.72 (p)	11.26 (r)	..	788.95 (f)	0.569 (g)	..	69.86 (h)	0.124 (j)	..	4.99 (k)	0.693 (l)	..	39.04 (m)	

TABLE XIII — AVERAGES DERIVED FROM PREVIOUS TABLES, YEAR ENDED MARCH 31st, 1946 (continued)

Supply Authorities	Capital Outlay: Per Head of Population	Capital Outlay: Per Consumer	Capital Outlay: Per £1 of Revenue	Revenue from Sale of Electricity: Per Unit Sold Overall including Bulk Sales	Revenue: Per Unit sold Excluding Bulk Sales	Revenue: Per Unit sold Domestic Supply	Revenue: Per Head of Population (a)	Revenue: Per Retail Consumer	Revenue: Per kW of Maximum Demand	Revenue: Per Route Mile of Line (b)	Working Costs: Per Unit Sold	Working Costs: Per kW of Maximum Demand	Working Costs: Per Cent of Total Revenue	Capital Charges: Per Unit Sold	Capital Charges: Per kW of Maximum Demand	Capital Charges: Per Cent of Capital Outlay	Total Cost: Per Unit Sold	Total Cost: Per kW of Maximum Demand	Total Cost: Per Cent of Distribution Capital	No.
	£ NZ	£ NZ	£ NZ	d.	d.	d.	£ NZ	£ NZ	£ NZ	£ NZ	d.	£ NZ	%	d.	£ NZ	%	d.	£ NZ	%	
ES																				
eri Electric Ltd.	24.76	77.24	4.76	0.787	0.787	2.164	5.23	16.32	13.70	511.43	0.549	9.57	69.34	0.179	3.12	4.77	0.726	12.661	106.48	1.
eys, Kohukohu	21.56	76.10	6.34	12.000	12.000	12.000	3.40	12.00	..	408.00	12.000	..	100.00	..	..	12.00	..	..	82.95	2.
ne Motors Ltd.	2.37	15.73	1.19	9.095	9.095	11.219	2.00	13.21	65.00	780.00	9.351	66.83	102.82	0.687	4.92	6.36	10.038	71.74	441.53	3.
ton Electric Light & Power Coy.	5.88	17.56	1.68	4.570	4.570	5.322	3.60	10.47	57.52	507.53	2.600	32.72	55.28	0.218	2.75	2.85	2.818	35.47	78.03	4.
on's (N.Z.)																				
ortland Cement Ltd.	60.37	331.35	2.45	0.385	0.334	0.385	8.47	45.04	8.78	762.27	0.236	5.40	60.70	0.034	0.56	2.57	0.260	5.95	138.75	5.
land Power Ltd.	23.32	168.89	10.57	1.249	1.314	1.843	2.10	15.69	16.90	89.00	1.076	14.56	84.91	0.611	8.28	4.63	1.687	22.84	30.88	6.
TOTALS	24.85 (n)	107.37 (o)	4.02 (o)	0.565 (d)	0.691 (e)	..	4.16 (p)	17.65 (r)	..	364.716 (f)	0.381 (g)	..	66.62 (h)	0.088 (j)	..	3.89 (k)	0.469 (l)	..	77.94 (m)	
TOTALS 1946	31.42 (n)	111.30 (o)	5.69 (o)	0.826 (s)	0.826 (s)	..	3.88 (p)	13.38 (r)	..	308.90 (f)	0.351 (g)	..	59.58 (h)	0.169 (j)	..	5.13 (k)	0.520 (l)	..	21.42 (m)	
1945	30.64	102.91	5.28	0.859	0.875 (t)	..	4.07	13.31	..	300.89	0.350	..	55.61	0.170	..	5.42	0.500	..	24.48	
1944	28.95	98.69	5.20	0.846	0.881	..	3.96	12.51	..	298.67	0.329	..	55.17	0.174	..	5.71	0.503	..	25.36	
1943	27.86	95.91	5.26	0.840	0.874	..	3.75	11.86	..	280.01	0.323	..	54.46	0.183	..	5.88	0.506	..	25.03	
1942	27.60	96.19	5.42	0.853	0.896	..	3.60	11.54	..	277.98	0.343	..	56.52	0.181	..	5.64	0.525	..	25.45	
1941	26.31	93.96	5.24	0.902	0.945	..	3.54	11.74	..	280.97	..	..	56.34	..	..	5.55	..	..	25.97	
1940	25.69	92.11	5.61	0.937	0.987	..	3.35	11.19	..	256.00	..	..	..	..	..	..	..	..	22.25	

NOTES FOR TABLE XIII

Average Revenue Per Unit (kWH) Sold for all Purposes for Year Ended 31st March, 1946 :— 0.826 d.

ross revenue excluding bulk sales and rates.
rived from items 6 and 11 Table XIIIA.
rived from items 5 and 16 Table XIIIA.
rived from items 2 and 9 Table XIIIA.

(b) Revenue from retail sales plus bulk sales.
(g) Derived from items 5 and 14 Table XIIIA.
(m) Derived from items 8 and 16 Table XIIIA.
(s) Revenue from retail sales divided by total units sold retail.

(c) Derived from items 7 and 11, Table XIIIA.
(h) Derived from items 12 and 14 Table XIIIA.
(n) Derived from items 1 and 7 Table XIIIA.
(t) Revenue from retail sales, less revenue from large industrial and traction loads, divided by comparable units.

(d) Derived from items 5 and 11 Table XIIIA.
(j) Derived from items 5 and 15 Table XIIIA.
(o) Derived from items 2 and 7 Table XIIIA.

(e) Derived from items 4 and 9 Table XIIIA.
(k) Derived from items 7 and 15 Table XIIIA.
(p) Derived from items 1 and 13 Table XIIIA.

cludes Arapuni-Horahora-Mangahao-aikaremoana main stations, and Huntly-ing's Wharf-Penrose standby stations ll interconnected.

2. Includes Coleridge-Waitaki-Arnold-Monowai Highbank main stations, and Dobson standby station all interconnected; also Cobb main station and Stoke standby station not interconnected.

3. Not actively functioning.

4. License delegated to Westland Power Ltd.

5. No returns received.

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

Item	State Hydro-Electric Department	Electric Power Boards	Other Local Authorities: City Councils	Other Local Authorities: Borough Councils	Other Local Authorities: Town Boards	Other Local Authorities: County Councils	Other Local Authorities: Total	Companies	Totals All Supply Authorities
1. Population in area of supply ..	49,400	1,061,050	426,180	149,050	2,650	24,540	602,420	9,140	1,722,010
2. Number of consumers ..	13,705	377,191	140,005	45,752	789	6,615	193.161	2,115	468,172
3. Units generated ..	2,096,459,758	50,501,794	151,011,156	43,464,535	..	681,553	195,157,044	22,860,918	2,364,959,514
4. Units sold retail ..	122,864,770	1,117,951,445	478,975,601	134,055,150	2,099,815	21,325,946	636,456,512	12,954,287	1,890,227,014
5. Units sold (bulk plus retail) ..	1,951,815,557	1,234,551,021	551,597,573	163,159,809	2,099,815	21,339,859	738,197,056	24,006,467	3,948,550,081
6. Route Miles of lines ..	5,616	21,833	1,712	1,178	72	211	3,173	155	30,777
7. Capital Outlay ..	29,774,315	16,452,495	5,803,108	1,677,290	31,654	146,079	7,658,131	227,089	54,112,028
8. Capital Outlay on transmission and distribution systems ..	13,399,956	15,530,748	4,119,960	1,178,288	30,476	133,957	5,462,681	60,219	39,916,265
9. Revenue (retail sales) ..	345,527	3,946,976	1,536,509	557,971	11,177	68,868	2,174,525	37,332	6,504,360
10. Revenue (bulk sales) ..	2,503,051	215,038	221,980	43,330	..	54	265,364	19,199	3,002,652
11. Revenue (retail plus bulk) ..	2,848,578	4,162,014	1,758,489	601,301	11,177	68,922	2,439,889	56,531	9,507,012
12. Gross Revenue (excluding rates) ..	2,885,948	4,245,854	1,806,007	617,505	11,742	69,860	2,505,114	57,195	9,692,111
13. Gross Revenue (less revenue from bulk sales)	380,897	4,030,816	1,584.027	574,175	11,742	69,806	2,239,750	37,996	6,689,459
14. Working Costs ..	1,272,141	2,714,488	1,265,010	416,270	8,991	59,788	1,750,059	38,105	5,774,795

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

For Notes see Page 16.

Supply Authorities	Population included in area of supply	Ratio of Consumers to Population in area of supply.	Consumers			Ranges					Water Heaters			Milking Machines		Consumers per route mile of line	No.
			Domestic	Commercial	Total	Under 5 kW.	5 kW. and Over	Total	Total kW	Ratio Total No. Ranges to Domestic Consumers	No.	Total kW.	Ratio No. Water-Heaters to Total No. Consumers	No.	Horsepower		
	No.	%	No.	No.	No.	No.	No.	No.	kW	%	No.	kW.	%	No.	H.P.		
...te Hydro-electric Department																	
...h Island System	..	..	457	31	488	41	347	388	2,444	84.90	452	594	92.62	..	..	0.26	1.
...h Island System	49,400	26.75	11,334	1,883	13,217	354	2,173	2,527	15,696	22.29	1,589	1,789	12.02	1,548	2,504	3.51	2.
TOTALS	49,400	27.74	11,791	1,914	13,705	395	2,520	2,915	18,140	24.72	2,041	2,383	14.89	1,548	2,504	2.44	
...OARDS																	
...urton	18,980	27.44	4,528	682	5,210	1,586	484	2,070	4,818	45.71	1,727	3,196	33.14	143	160	4.90	1.
...land	257,750	28.85	61,341	13,028	74,369	..	25,563	25,563	206,000	41.67	31,957	23,657	42.99	905	23,657	55.09	2.
...s Peninsula	3,490	34.41	1,133	68	1,201	241	321	562	2,771	49.60	413	646	34.38	162	122	5.46	3.
...of Islands	30,570	10.32	2,728	428	3,156	147	701	848	4,623	31.08	1,299	925	41.15	695	926	5.47	4.
...of Plenty	16,950	15.59	2,242	402	2,644	156	900	1,056	6,240	47.10	1,751	1,379	66.22	794	1,021	8.12	5.
...sr 3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6.
...ridge	8,250	26.04	1,885	264	2,149	29	471	500	2,966	26.52	1,040	1,259	48.39	445	542	10.16	7.
...ral Hawkes Bay	10,320	22.75	1,956	592	2,548	248	751	999	5,671	51.07	881	1,071	37.52	187	253	6.82	8.
...ral Waikato	33,100	25.93	7,839	746	8,585	554	1,861	2,415	13,890	30.80	4,371	5,432	50.91	2,172	3,255	8.96	9.
...rwirke	12,030	28.23	2,844	553	3,397	137	652	789	4,646	27.80	1,098	889	32.32	518	591	8.98	10.
...tlin	23,560	25.79	5,401	676	6,077	647	2,260	2,907	14,746	53.83	4,648	3,166	76.48	2,507	2,658	7.44	11.
...on Bay	3,240	19.90	549	96	645	100	94	194	789	35.33	254	171	39.37	148	129	6.74	12.
...n Bay	17,340	31.20	4,693	718	5,411	278	950	1,228	7,394	26.16	656	778	12.12	70	69	17.04	13.
...rhenua	35,720	27.77	8,920	1,000	9,920	155	4,014	4,149	34,589	45.51	4,219	3,850	42.53	411	433	18.43	14.
...Valley	19,600	36.19	5,525	1,642	7,167	670	2,237	2,907	16,038	40.48	2,746	1,875	38.31	816	1,029	17.77	15.
...Country 3	70,400	27.43	17,760	1,552	19,312	216	7,602	7,818	50,982	44.02	8,685	6,414	44.86	125	134	53.45	16.
...rn	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17.
...ata Oroua	4,490	18.06	730	81	811	90	135	225	1,032	30.82	105	195	12.94	9	7	4.18	18.
...orough	22,980	27.71	6,072	298	6,370	21	1,926	1,947	13,585	32.06	2,817	1,922	44.22	1,750	2,328	9.06	19.
...Auckland	15,580	24.32	3,218	572	3,790	256	571	827	4,951	25.69	435	394	11.47	157	215	12.58	20.
...Canterbury	26,280	21.67	4,615	1,082	5,697	..	1,648	1,648	9,416	35.70	3,418	2,352	59.99	1,930	2,588	3.79	21.
...ke	14,860	28.51	3,856	382	4,238	475	749	1,224	6,585	31.74	1,039	1,710	24.51	284	217	4.71	22.
...	5,710	25.02	1,239	190	1,429	93	381	474	2,859	38.25	812	693	56.82	467	571	7.52	23.
...Central	25,080	21.87	4,413	1,073	5,486	107	622	729	4,368	16.51	633	985	12.50	181	256	7.43	24.
...ty Bay	8,100	28.32	1,859	435	2,294	104	468	572	3,245	30.76	519	612	26.98	154	105	5.95	25.
... Canterbury	32,800	21.09	5,499	1,421	6,920	..	2,435	2,435	14,895	44.28	2,402	1,923	34.71	327	280	15.24	26.
... Taranaki	24,930	23.07	5,012	739	5,751	96	996	1,092	7,096	21.78	915	1,196	15.91	254	206	6.21	27.
...gs Ellesmere	15,940	27.79	3,556	895	4,451	131	1,128	1,259	7,876	35.60	2,053	1,370	46.33	987	1,267	12.23	28.
...aki	14,550	22.25	2,934	297	3,231	431	708	1,139	5,520	38.82	1,067	1,491	33.02	323	284	8.16	29.
...ua	14,150	23.42	3,008	306	3,314	17	793	810	5,559	26.92	1,642	1,244	49.54	1,421	2,271	6.94	30.
...nga	9,600	23.57	1,937	328	2,265	431	690	1,121	4,501	57.87	1,061	791	46.88	508	593	5.78	31.
...amutu	13,260	21.91	2,689	217	2,906	252	1,366	1,618	9,898	60.17	2,331	1,864	80.21	888	1,131	4.48	32.
...t	13,750	21.81	2,503	496	2,999	399	822	1,221	5,929	48.78	1,754	1,551	57.81	928	1,383	8.19	33.
...s Valley	1,670	31.97	463	71	534	39	230	269	1,610	58.09	238	303	44.56	5	4	7.46	34.
...	43,240	26.03	10,213	1,039	11,252	96	3,748	3,844	28,113	37.63	6,933	3,797	61.61	3,599	6,016	10.49	35.
...rapa	16,480	23.66	3,179	721	3,900	150	731	881	5,473	27.71	805	775	20.64	271	138	17.74	36.
...re	25,040	26.10	5,403	1,134	6,537	453	1,852	2,305	13,989	42.66	2,565	2,548	39.20	753	1,048	10.15	37.
...	2,950	22.25	576	76	652	60	262	322	1,873	55.90	366	229	56.13	205	344	3.50	38.
...ti	8,120	7.33	510	86	596	54	166	220	1,510	43.13	257	180	43.12	145	158	5.13	39.
...ata	17,400	30.41	4,606	687	5,293	276	1,720	1,996	12,703	43.33	2,095	2,250	39.58	85	75	9.22	40.
...o	64,200	30.80	18,411	1,367	19,778	67	7,861	7,928	48,255	43.06	7,555	5,900	38.19	2,508	1,486	14.48	41.
...ui-Hangitikei	11,400	21.13	1,960	449	2,409	80	947	1,037	6,512	52.90	1,184	955	49.14	402	528	10.37	42.
...nd 4	47,040	27.03	10,451	2,268	12,719	..	2,835	2,835	18,545	27.12	3,634	2,798	28.57	1,271	1,410	12.87	43.
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	44.
TOTALS	1,081,050	26.12	238,236	38,955	277,191	9,332	84,651	93,983	621,601	39.44	114,491	94,612	41.30	29,668	39,888	12.69	

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

For Notes See Page 16.

Supply Authorities	Population included in area of supply	Ratio of Consumers to Population in area of supply	Consumers			Ranges					Water Heaters			Milking Machines		Consumers per Route Mile of Line	No.
			Domestic	Commercial	Total	Under 5 kW.	5 kW and Over	Total	Total kW	Ratio Total No. Ranges to Domestic Consumers	No.	Total kW.	Ratio No. Water-Heaters to Total No. Consumers.	No.	Horsepower		
	No.	%	No.	No.	No.	No.	No.	No.	kW.	%	No.	kW.	%	No.	H.P.		
t LOCAL AUTHORITIES																	
NGHIS																	
rstchurch	120,160	31.50	32,366	5,488	37,854	645	16,870	17,515	121,014	54.10	14,684	13,823	38.79	56	55	89.92	1.
lin	93,350	35.79	25,744	7,670	33,414	1,268	3,982	5,250	28,684	20.39	9,239	11,210	35.68	233	326	52.27	2.
lton	21,540	29.64	4,944	1,485	6,429	253	926	1,179	6,742	23.84	1,769	1,186	27.51	..	..	81.54	3.
rmargill	23,080	32.14	6,285	1,135	7,420	289	178	467	1,399	7.43	453	659	6.10	..	..	85.28	4.
tn	13,550	29.29	3,389	580	3,969	..	190	190	1,330	5.60	629	605	15.84	..	..	62.13	5.
erston North	26,300	29.71	6,356	1,460	7,816	155	2,328	2,483	14,921	39.06	3,408	2,845	45.60	3	6	80.60	6.
ington	128,200	33.62	31,835	11,268	43,103	437	5,056	5,493	35,827	17.25	10,992	13,369	25.50	19	20	132.64	7.
TOTALS	425,180	32.85	110,919	29,086	140,005	3,045	29,530	32,575	209,917	23.36	41,174	43,717	29.40	311	407	81.77	
COUNCILS																	
r	2,100	29.76	510	115	625	11	10	21	79	4.11	16	19	2.56	..	..	49.94	1.
ewood	1,330	35.56	355	118	473	2	102	104	714	29.29	104	83	21.98	5	4	51.41	2.
poi	1,770	33.95	512	89	601	107	135	242	1,140	47.26	125	132	20.79	2	1	45.83	3.
elton	3,370	30.68	884	150	1,034	..	235	235	1,586	26.58	166	162	16.05	4	5	74.38	4.
or	15,710	31.49	3,932	1,016	4,948	33	880	913	6,359	23.21	1,685	1,274	34.05	..	..	112.45	5.
Plymouth	28,760	30.31	8,971	1,141	8,113	362	3,128	3,490	19,178	50.06	3,907	3,293	48.16	843	1,293	21.32	6.
ms	2,240	27.54	475	144	617	32	56	88	421	18.60	74	46	11.99	14	18	26.82	7.
a	1,950	28.76	526	35	561	38	163	201	1,578	38.21	168	131	33.51	25	22	23.95	8.
on	1,610	31.05	405	95	500	3	14	17	91	4.19	1	4	0.20	..	..	47.61	9.
ihi	2,300	21.47	377	117	494	21	30	51	279	13.52	76	71	15.38	15	18	17.64	10.
iora	2,450	35.42	754	114	868	5	184	189	1,225	25.06	268	290	30.87	..	..	62.64	11.
arton	7,980	28.18	2,074	175	2,249	44	1,138	1,182	7,816	56.99	1,219	969	54.20	..	..	93.70	12.
5	460	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13.
rua (Tourist Department)	13,130	31.85	3,268	888	4,156	193	815	1,008	5,682	30.84	1,154	1,033	27.76	354	412	23.84	14.
tford	3,970	32.29	976	306	1,282	7	375	382	2,900	39.13	373	329	29.09	7	8	55.25	15.
ape	2,240	31.29	523	178	701	18	97	115	740	21.98	90	89	12.83	2	1	66.75	16.
aranui	4,420	29.38	1,013	286	1,299	61	129	190	955	18.75	144	113	11.08	28	30	39.15	17.
anga	4,970	35.09	1,386	358	1,744	174	927	1,101	6,843	79.43	1,141	553	65.42	..	..	26.88	18.
roha	2,480	34.51	613	245	858	18	215	233	1,543	38.00	255	194	29.78	15	26	46.27	19.
uke	1,170	45.89	402	135	537	37	119	156	789	38.80	156	98	29.05	7	4	43.42	20.
ns	4,280	31.12	1,068	264	1,332	69	292	361	2,087	33.80	322	222	24.17	3	3	54.92	21.
ru	18,900	29.84	4,558	1,082	5,640	..	1,203	1,203	7,657	26.39	1,510	1,995	23.22	1	1	77.40	22.
on	2,950	31.79	679	259	938	20	342	362	2,455	53.31	384	230	40.93	3	2	47.61	23.
ara	2,400	31.35	606	146	752	74	166	240	1,289	39.60	202	156	26.86	9	9	59.58	24.
port	5,570	28.01	1,258	336	1,594	6	8	14	71	1.11	54	45	3.38	19	8	42.67	25.
atane	2,890	28.65	640	188	828	55	311	364	3,061	56.87	332	214	40.09	14	7	45.36	26.
garei	9,650	31.20	2,225	786	3,011	35	788	823	4,286	36.98	747	487	24.80	15	24	50.88	27.
TOTALS	149,050	30.69	36,988	8,764	45,752	1,423	11,862	13,285	83,182	35.91	14,493	12,230	31.67	1,383	1,896	38.83	
MENS																	
nga	1,620	27.96	577	76	453	52	89	141	740	37.40	209	172	46.13	178	268	8.31	1.
ynsha	290	50.68	108	39	147	5	39	44	245	40.74	44	29	29.93	5	8	12.78	2.
uni	740	25.54	163	26	189	1	1	2	8	1.22	..	..	..	5	4	37.80	3.
TOTALS	2,650	29.77	848	141	789	58	129	187	993	28.85	253	201	32.06	188	280	10.95	

CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, & MILKING MACHINES (continued)

Supply Authorities	Population included in area of supply	Ratio of Consumers to Population in area of supply	Consumers			Ranges					Water Heaters			Milking Machines			No.
			Domestic	Commercial	Total	Under 5 kW	5 kW and Over	Total	Total kW	Ratio Total No. Ranges to Domestic Consumers	No.	Total kW.	Ratio No. Water-Heaters To Total No. Consumers	No.	Horsepower	Consumers per Route Mile of Line	
COUNTY COUNCILS	No.	%	No.	No.	No.	No.	No.	No.	kW.	%	No.	kW	%	No.	H.P.		
1. Heathcote	3,550	27.47	965	5	970	55	540	595	3,149	61.45	644	652	66.39	6	4	58.61	1.
2. Kaikoura	1,600	18.56	222	75	297	6	2	8	23	3.60	..	..	..	5	2	36.00	2.
3. Murchison	750	28.40	190	23	213	20	15	35	114	16.42	34	28	15.96	28	29	13.65	3.
4. Uawa	410	28.78	96	22	118	..	..	...	..	..	..	..	..	..	..	35.71	4.
5. Waimairi	18,250	27.49	4,682	335	5,017	140	2,155	2,295	13,956	49.01	2,000	1,965	59.66	84	60	30.22	5.
TOTALS	24,540	26.95	6,155	460	6,615	219	2,712	2,931	17,242	47.62	2,678	2,643	40.48	125	95	31.35	
TOTALS OTHER LOCAL AUTHORITIES	602,420	32.06	154,710	38,451	193,161	4,745	44,233	48,978	310,334	31.65	58,598	59,791	30.35	2,007	2,678	60.87	
COMPANIES																	
1. Kaniere Electric Ltd. 6	2,950	32.06	690	256	946	31	127	158	1,019	22.89	83	86	8.77	..	..	31.53	1.
2. L. Keys, Kohukohu	240	28.33	68	..	68	3	..	3	6	4.41	3	2	4.41	..	..	34.00	2.
3. Roefton Electric Light & Power Co., Ltd.	1,230	33.49	324	88	412	..	21	21	158	6.48	6	9	1.45	1	2	48.47	3.
4. Rawene Motors Ltd.	390	15.12	39	20	59	..	..	..	..	..	..	...	..	..	..	59.00	4.
5. Wilsons (N.Z.) Portland Cement Ltd.	1,160	18.18	164	47	211	21	15	36	147	21.95	45	38	21.32	31	32	5.62	5.
6. Westland Power Ltd. 6	3,170	13.21	337	82	419	15	33	48	270	14.24	43	54	10.26	49	69	5.57	6.
TOTALS	9,140	23.14	1,622	493	2,115	70	196	266	1,600	18.39	180	189	8.51	81	125	13.64	
GRAND TOTALS	1,722,010	28.23	406,359	79,813	486,172	14,542	131,600	146,142	951,675	35.96	175,310	155,975	36.05	33,204	65,193	15.79	

NOTES TO TABLE XIV.

3. Not actively functioning. 4. License delegated to Westland Power Ltd. 6. For year ended 31 December, 1945. 5. No return received.

RATIO OF DOMESTIC CONSUMERS TO TOTAL CONSUMERS ... = 83.58 per cent.

TABLE XVII — STATISTICS RELATING TO ELECTRICAL WIREMEN'S REGISTRATION BOARD FOR YEAR ENDED MARCH, 1946.

The figures in parentheses are for the previous year

1. Number of Wiremen's Registration Board Meetings : 25 (20) Includes three Emergency Committee Meetings on Rehabilitation Business.

2. Registrations

	During Year	Total	Current
Inspectors	41 (21)	815 (774)	410 (369)
Electrical Wiremen	188 (127)	4690 (4502)	4521 (4333)
Electrical Servicemen Class "D"	9 (10)	94 (85)	85 (76)
Electrical Servicemen Class "E" (including Radio)	55 (26)	128 (72)	121 (65)
Electrical Servicemen Class "E" (excluding Radio)	2 (4)	33 (31)	23 (22)
Limited Registration	* 65 (48)	* 1229 (1164)	* 1080 (1016)
Provisional Licenses	6 (5)	853 (847)	3 (—)
Temporary Permits	- (—)	130 (—)	- (—)
Registrations after Periodical Purging.	8 (0)	349 (341)	- (—)

* Includes Radio Servicemen registered prior to the introduction in 1939 of the examinations for Electrical Servicemen Class "E", and miscellaneous registrations.

3. Examinations

		Candidates	Passed %	Highest Marks
Wiremen :	Written	560 (496)	41 (45)	83 (82)
	Practical	392 (304)	57 (73)	93 (93)
Servicemen:	Written	747 (208)	[illegible]	[illegible]