

# ANNUAL STATISTICS IN RELATION TO HYDRO-ELECTRIC DEVELOPMENT AND OPERATION

YEAR ENDED 31 MARCH 1955

For full text of the General Manager's Report, refer to State Hydro-electric Statement, 1955, Appendix A, pages 4 to 42 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, 1954-55

		1955	1954	Increase or Decrease
(a) Installed generating capacity (main stations)	kW	864,567	764,857	+99,710
(b) Installed generating capacity (standby)	kW	75,550	75,750	-200
(c) Total connected load (excluding bulk supply)	kW	7,057,651	6,431,394	+626,257
(d) Consumers	No.	671,314	643,777	+27,537
(e) Units sold per head of total population	No.	1,662	1,546	+116
(f) Units sold per consumer	No.	5,275	5,014	+261
(g) Route-miles of main, distribution and service lines	R.M.	50,684	48,304	+2,380
(h) Consumers per route-mile of line (including service lines)	No.	13.24	13.33	-0.09
(i) Sales (retail) per route-mile of line (including service lines)	Units	69,865	66,824	+3,041
(j) Electrical fires reported	No.	30	38	-8
(k) Electrical accidents reported	No.	83	77	+6
		(19 fatal)	(15 fatal)	+4
(l) Electric ranges installed	No.	328,211	302,163	+26,048
(m) Electric water heaters installed	No.	378,662	349,359	+29,303
(n) Electric milking machines installed	No.	46,647	45,095	+1,552

### B. Summarized Results of Operations for the Year ended 31 March 1955

Item		Water	Steam	Oil	Total
1. Number of main stations	No.	27		2	29
2. Installed capacity (main plant)	kW	864,065		392	864,567
3. Number of standby plants	No.	16	6	11	33
4. Installed capacity (standby plant)	kW	8,230	53,412	13,908	75,550
5. Units generated	No.	4,117,916,995	246,540,604	18,767,519	4,383,225,118
6. Units sold to consumers					3,541,050,423
7. Percentage of non-productive units					19.21
8. Number of consumers					671,314
9. Connected load (excluding bulk supply)					7,057,651
10. Total operative capital (including distribution systems and standby plant)					£160,973,581
11. Total capital per kilowatt installed (including distribution systems, etc.)					£171.23
12. Annual working costs (excluding cost of power purchased in bulk)			7,445,543		£7,819,966
13. Annual working costs per unit under item 6					0.496d.
14. Annual capital cost (interest, sinking fund, and depreciation, etc.)					£7,652,630
15. Annual capital cost per unit under item 6					0.519d.
16. Annual capital cost as a percentage of capital			15,092,173		4.754%
17. Total annual costs (item 12 plus item 14)					£14,966,598
18. Total annual cost per unit under item 6					1.014d.
19. Total annual revenue (from retail sale of electricity)					£16,645,243
20. Average revenue per unit (from items 19 and 6)					1.128d.
21. Gross revenue (excluding rates and bulk sales)			17,037,310		£17,247,647
22. Net profit (item 21 less item 17)			1,939,137		£2,880,394
23. Ratio of working costs to gross revenue (item 12 and item 21)					42.40%

### Tables

This edition contains—

Table I—Government System : Capital Outlay and Results of Operation.	Table VI—Financial Results of Operation, etc.
Table II—Government System : Analysis of Capital Outlay.	Table VII—Averages derived from Tables IV, V, and VI.
Table III—Government System : Working-costs.	Table VIII—Populations, Consumers, Ranges, Water-heaters, and Milking-machines.
Table IV—Generating Plants, Voltages, Route-miles of Lines, etc.	Table IX—Summary of totals from Tables IV, V, VI, and VIII.
Table V—Results of Generation, Distribution, etc.	Table X—Electricians Registration Board Statistics.



TABLE II—ANALYSIS OF GOVERNMENT CAPITAL OUTLAY AS AT 31 MARCH 1955

North Island		South Island		Combined Totals
Hydro-electric stations—	£	Hydro-electric stations—	£	£
Land, fencing, and roading—	120,462	Land, fencing, and roading—		
Arapuni	402,713	Cobb River	62,921	
Karapiro	622,637	Lake Coleridge	35,484	
Maraetai	260,420	Waitaki	53,811	
Whakamaru	134,563	Lake Tekapo	28,421	
Atiamuri	21,616	Arnold	1,830	
Tuai	40,899	Highbank	18,514	
Piripaua	25,471	Monowai	37,052	
Kaitawa	83,881	Roxburgh	138,070	
Mangahao				
	1,712,662		376,103	2,088,765
Headworks—	1,426,019	Headworks—		
Arapuni	2,204,216	Cobb River	3,782,208	
Karapiro	201,749	Lake Coleridge	546,175	
Lake Taupo Control	5,528,753	Waitaki	1,689,017	
Maraetai	6,460,170	Lake Tekapo	2,537,639	
Whakamaru	1,040,826	Lake Pukaki Control	2,310,320	
Atiamuri	197,736	Arnold	108,161	
Tuai	715,668	Highbank	333,788	
Piripaua	1,215,711	Monowai	86,660	
Kaitawa	431,634	Roxburgh	11,973,505	
Lake Waikaremoana Control	949,637	Lake Hawea Control	416,202	
Mangahao				
	20,422,119		23,783,675	44,205,794
Station buildings and permanent village—	519,158	Station buildings and permanent village—		
Arapuni	568,122	Cobb River	357,121	
Karapiro	1,510,401	Lake Coleridge	136,957	
Maraetai	553,875	Waitaki	1,531,595	
Whakamaru	318,746	Lake Tekapo	526,457	
Tuai	107,849	Arnold	10,767	
Piripaua	178,345	Highbank	107,452	
Kaitawa	126,657	Monowai	55,984	
Mangahao		Roxburgh	472,905	
	3,833,153		3,190,238	7,022,391
Generating plant and machinery—	1,081,456	Generating plant and machinery—		
Arapuni	956,247	Cobb River	380,466	
Karapiro	1,802,985	Lake Coleridge	250,719	
Maraetai	1,096,147	Waitaki	1,163,784	
Whakamaru	27,379	Lake Tekapo	441,887	
Atiamuri	474,280	Arnold	26,917	
Tuai	212,709	Highbank	179,753	
Piripaua	348,836	Monowai	61,053	
Kaitawa	315,324	Roxburgh	1,824,817	
Mangahao				
	6,315,363		4,329,396	10,644,759
Fuel stations—	440,500	Fuel stations—		
King's Wharf	294,250	Stoke	70,302	
Evans Bay		Dobson	173,338	
	734,750		252,640	987,390
Transmission and distribution—		Transmission and distribution—		
Primary distribution—		Primary distribution—		
11 kV. lines	127,262	11 kV. lines	973,764	
33 kV. lines		33 kV. lines	63,371	
50 kV. lines	846,917	50 kV. lines		
66 kV. lines		66 kV. lines	1,845,693	
110 kV. lines	4,426,372	110 kV. lines	1,747,318	
220 kV. lines	4,895,879	220 kV. lines	1,982,443	
Secondary distribution		Secondary distribution	486,002	
	10,296,430		7,098,591	17,395,021
Substations—		Substations—		
33 kV.		33 kV.	39,486	
50 kV.	1,314,038	50 kV.	1,609,674	
66 kV.		66 kV.	1,413,333	
110 kV.	5,454,118	100 kV.	1,285,230	
220 kV.	4,808,503	220 kV.		
	11,576,659		4,347,773	15,924,432
Communications	540,138	Communications	252,561	792,699
General—		General—		
Offices, stores, land, and buildings	455,014	Offices, stores, land, and buildings	133,189	
Surveys and investigations of other schemes	1,567,472	Surveys and investigations of other schemes	237,608	
Cost of raising loans	326,065	Cost of raising loans	536,984	
Interest capitalized during construction	4,562,791	Interest capitalized during construction	2,895,111	
	6,911,342		3,802,892	10,714,234
	£62,392,616		£47,442,869	£109,835,485

ANALYSIS OF OPERATING COSTS FOR YEAR ENDED 31. 5.55.

*Completed*  
*1/1/55*

	Working Expenses	Administration Costs.	Capital Charges (including taxation)	Total Costs	Total cost per unit sold
32,544,601	512,274	205,690	2,719,402	3,527,366	
1,281,852	123,493	67,852	1,473,187	1,4834	
395,418	36,180	-	451,598	1,0565	
2,189,554	455,365	2,787,234	5,452,151	.5106	6,000
225,118	90,591	832,559	1,152,268	.0659	
364,515	124,524	996,448	1,485,487	.0734	
56,740	8,198	52,855	97,793	.0047	
73,958	16,634	107,862	198,454	.0062	
101,717	9,312	-	111,089	.0125	
2,989,642	710,622	4,776,958	8,477,222	.4848	2,912
710,622	-	-	-	-	2,330
3,700,264	-	-	-	-	2,912

SUMMARY

Working costs 2,989,642  
 Administration costs 710,622  
 Capital charges 4,776,958

Administration costs were 9.15% of  
 (Total costs less Administration Charges)  
 Capital charges were 6.87% of  
 Completed Works (excluding Offices,  
 Cost of Loans and Capitalised Interest)

	Working Expenses	Administration Costs	Capital Charges	Total Costs	Total cost per unit sold
60,348,382	1,281,852	205,690	2,719,402	3,527,366	
38,348,913	1,281,852	205,690	2,719,402	3,527,366	
98,045,516	1,281,852	205,690	2,719,402	3,527,366	
96,742,811	1,281,852	205,690	2,719,402	3,527,366	
65,604,119	1,281,852	205,690	2,719,402	3,527,366	

(For notes see page 7.)

1024					
1027	1,000				
1036		1,390			
1028			2,330		



TABLE IV—STATISTICS OF GENERATING PLANTS, SYSTEM VOLTAGE, ROUTE-MILES OF LINES, TRANSFORMERS, ETC., FOR THE YEAR ENDED 31 MARCH 1955—continued

Supply Authorities	Source of Supply <sup>a</sup>	Year when Supply Commenced	Capacity of Generating Plant						Static Head, in Feet	Voltage			Distribution Transformers		Route Miles of Lines <sup>b</sup>	No.	
			Water	Steam	Oil	Main Plant	Standby Plant	Total Capacity		Generation	Transmission	Primary Distribution	Secondary Distribution	Number			kVA
Boards—continued																	
..	G.N.	1923	kW. 315	..	..	kVA. 450	kW. 315	kVA. 450	50	6,000	..	..	11,000	400/230 A.C.	257	4,405	263
..	G.S.	1920	..	..	..	..	..	..	..	..	..	..	11,000	415/240 A.C.	1,453	17,419	1,608
..	I.	1923	..	..	..	..	..	..	1,015, 987, 510, 410, 300, 800	6,000	..	..	11,000	415/230 A.C.	496	6,189	722
Central	G.N.	1912	..	..	..	7,876	6,630	7,870	..	3,300	33,000	..	11,000	400/230 A.C.	758	25,816	701
Day	G.S.	1925	..	..	..	..	980	1,150	..	400	..	..	11,000	440/250 D.C.	1,118	17,366	1,307
Interbury	G.N.	1920	..	..	..	..	..	..	..	440 D.C.	..	..	11,000	400/230 A.C.	380	12,946	420
Manaki	G.N.	1922	..	..	..	..	1,042	1,302	57	5,500	..	..	11,000	415/240 A.C.	737	20,365	530
Illesmere	G.S.	1927	..	..	..	..	..	..	..	..	..	..	6,000	400/230 A.C.	970	12,960	684
..	I. & G.N.	1927	..	..	..	..	4,800	5,400	300	6,600	33,000	..	11,000	400/230 A.C.	680	6,641	584
..	G.N.	1925	..	..	..	..	..	..	..	..	..	..	6,000	400/230 A.C.	659	14,557	1,003
..	G.N.	1926	..	..	..	..	..	..	..	..	..	..	6,350	400/230 A.C.	462	13,504	500
..	G.N.	1921	..	..	..	..	..	..	..	..	..	..	3,300	400/250 A.C.	193	1,644	114
..	G.N.	1921	..	..	..	..	..	..	..	..	..	..	11,000	400/240 A.C.	870	12,960	684
..	I. & B.	1924	..	..	..	..	750	1,005	380	3,300	..	..	11,000	415/230 A.C.	570	41,955	2,220
..	G.N.	1921	..	..	..	..	..	..	..	..	..	..	11,000	400/230 A.C.	500	15,132	681
..	G.S.	1933	..	..	..	..	250	270	960	400	..	..	11,000	400/230 A.C.	643	18,171	815
..	G.N.	1923	..	..	..	..	837	1,194	200	3,300	..	..	11,000	400/230 A.C.	419	4,305	431
..	G.N.	1925	..	..	..	..	..	..	..	..	..	..	6,000	400/240 A.C.	196	5,372	271
..	I. & G.N.	1925	..	..	..	..	1,400	1,540	65	400	..	..	11,000	415/230 A.C.	805	18,533	734
..	G.N.	1923	..	..	..	..	..	..	..	..	..	..	11,000	400/230 A.C.	1,053	56,607	2,532
..	G.S.	1926	..	..	..	..	120	150	250	3,300	..	..	11,000	415/240 A.C.	446	10,650	512
..	G.N.	1926	..	..	..	..	..	..	..	..	..	..	11,000	400/230 A.C.	1,177	38,479	1,388
..	G.N.	1924	..	..	..	..	..	..	..	..	..	..	11,000	400/230 A.C.	28,885	978,110	37,747
..	I. & G.N.	..	17,240	187	3,116	13,780	20,543	24,568	..	..	..	..	..	..	..	..	..
..	G.S.	1903	..	..	..	..	..	..	..	..	..	..	11,000	400/230 A.C.	688	129,080	1,444
..	I. & G.S.	1907	38,000	1,875	..	38,000	39,875	50,840	700	6,000	110,000	..	6,000	400/230 A.C.	1,210	82,636	704
..	G.S.	1913	..	..	..	..	..	..	185	2,400	..	..	3,300	400/230 A.C.	50	9,600	209
..	G.S.	1914	..	..	..	..	..	..	166	3,300	..	..	11,000	400/230 A.C.	96	10,000	132
..	B	1913	..	..	..	..	..	..	..	..	..	..	11,000	400/230 A.C.	44	7,080	146
..	B	1913	..	..	..	..	..	..	..	..	..	..	11,000	415/230 A.C.	43	8,900	70
..	G.N.	1906	3,750	..	..	4,500	3,750	4,500	240	6,000	..	..	11,000	400/230 A.C.	307	19,996	427
..	B.	1924	..	..	..	..	..	..	120	3,300	..	..	11,000	415/240 A.C.	90	10,550	126
..	B.	1908	..	..	..	..	..	..	..	..	..	..	11,000	400/230 A.C.	67	18,020	75
..	G.N.	1888	..	..	..	..	..	..	..	..	..	..	11,000	400/230 A.C.	60	11,111	713



TABLE V—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION FOR THE YEAR ENDED 31 MARCH 1955

Authority	Connected Load		Maxim. Load on System	Demand Factor	Generated			Feed Back	Net Generated	Purchased	Net Generated and Purchased	Sold		Percentage Non-productive	Per Head of Population	Units sold (Average)				No.						
	Including Bulk Supply	Excluding Bulk Supply			Water	Steam	Oil					In Bulk for Resale	Retail to Consumers			Non-productive	Per Consumer (Supply)	Per 100 of Distribution	Per Route-mile of Line		Per Consumer (excl. Bulk)	Per Head of Population	Per Consumer (Supply)	Per 100 of Distribution	Per Route-mile of Line	Per Consumer (excl. Bulk)
HYDRO-ELECTRIC AUTHORITY	4,913,375	32,690	686,933	54.2%	15,143,110	223,205,803	..	41,208,642	3,013,262,037	8,262,940	3,021,514,077	2,000,086,039	31,158,504	294,269,534	9.74%	..	..	1,014,233	..	1,048						
Island	2,073,693	187,021	242,720	55.27%	15,111,111,590,790	223,205,803	..	19,161,837	1,145,805,737	1,175,237,834	940,973,933	97,384,743	130,869,158	11.65%	..	..	..	225,828	..	0-800						
Stals	6,987,068	219,711	..	..	15,143,110	223,205,803	..	60,400,479	4,159,157,774	4,100,742,811	3,637,000,872	128,548,247	431,138,092	10.27%	..	..	510,750	..	..							
PER BOARDS	73,107	1,016,378	7,162	9.80%	..	..	..	..	..	43,181,071	38,723,270	4,457,801	57,807,021	10.32	1,853	5,065	28,003	1,048	1-048							
..	..	..	..	..	..	..	..	..	..	625,800,700	568,622,785	57,807,021	67,807,021	9.25	1,854	5,781	331,789	1-048	1-048							
..	..	..	..	..	..	..	..	..	..	7,828,028	6,114,006	1,213,422	1,213,422	10.56	1,613	3,719	23,885	0-800	0-800							
..	..	..	..	..	..	..	..	..	..	42,700,582	37,077,927	5,258,970	5,258,970	14.44	1,051	4,753	20,622	1-048	1-048							
..	..	..	..	..	..	..	..	..	..	41,850,020	20,772,439	6,258,970	6,258,970	14.44	1,242	6,060	92,291	0-822	0-822							
..	..	..	..	..	..	..	..	..	..	18,014,843	6,950,264	..	..	18.75	559	1,949	47,869	0-822	0-822							
..	..	..	..	..	..	..	..	..	..	18,813,360	271,033	..	..	18.75	1,777	5,030	59,008	0-822	0-822							
..	..	..	..	..	..	..	..	..	..	26,316,046	13,400	..	..	16.41	1,719	5,218	23,250	1-274	1-274							
..	..	..	..	..	..	..	..	..	..	26,052,656	..	..	..	11.02	1,555	5,544	37,530	0-822	0-822							
..	..	..	..	..	..	..	..	..	..	19,874,948	81,910	..	..	10.38	1,349	4,309	42,379	1-171	1-171							
..	..	..	..	..	..	..	..	..	..	19,584,932	..	..	..	10.38	1,488	4,986	59,925	1-171	1-171							
..	..	..	..	..	..	..	..	..	..	7,318,099	25,143,000	..	..	8.45	3,302	5,302	28,569	1-171	1-171							
..	..	..	..	..	..	..	..	..	..	40,195,040	..	..	..	8.45	3,069	5,069	102,948	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	122,038,953	88,512,079	8,389,874	8,389,874	12.68	1,680	3,060	46,169	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	54,636,770	..	..	..	12.68	1,400	2,940	12,369	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	210,495,497	..	..	..	12.85	1,075	3,240	20,947	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	8,350,587	..	..	..	12.85	1,075	3,240	12,369	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	4,337,200	59,550,620	..	..	18.99	759	2,940	136,147	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	120,792,029	..	..	..	18.99	1,905	2,822	136,147	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	22,819,832	..	..	..	18.99	1,905	2,822	136,147	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	70,806,800	12,448,380	55,833,005	55,833,005	13.25	1,762	3,128	17,431	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	37,170,167	8,475,000	24,278,201	24,278,201	10.68	1,406	4,091	20,885	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	13,501,810	..	..	..	10.68	1,804	4,485	14,865	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	29,393,870	503,170	23,515,086	23,515,086	20.00	869	2,076	14,422	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	28,640,400	..	..	..	20.00	2,047	6,214	30,717	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	45,361,591	..	..	..	20.00	2,047	6,214	30,717	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	67,600,380	34,722,820	28,514,470	28,514,470	19.27	1,038	3,029	48,375	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	46,545,501	3,710,302	40,328,508	40,328,508	13.40	1,840	5,806	86,087	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	46,545,501	..	..	..	13.40	1,840	5,806	86,087	0-780	0-780							
..	..	..	..	..	..	..	..	..	..	51,635,005	18,050,814	27,170,827	27,170,827	17.21	1,941	6,137	68,105	1-188	1-188							
..	..	..	..	..	..	..	..	..	..	19,098,239	..	..	..	17.21	1,070	5,144	29,010	1-188	1-188							
..	..	..	..	..	..	..	..	..	..	50,657,776	..	..	..	17.21	1,183	5,589	43,430	1-188	1-188							
..	..	..	..	..	..	..	..	..	..	31,486,825	..	..	..	8.55	1,053	3,521	57,423	1-284	1-284							
..	..	..	..	..	..	..	..	..	..	5,909,190	..	..	..	8.55	1,212	4,013	50,605	1-284	1-284							
..	..	..	..	..	..	..	..	..	..	159,048,182	19,442,650	130,354,789	130,354,789	4.08	2,336	7,106	64,323	1-478	1-478							
..	..	..	..	..	..	..	..	..	..	52,047,780	27,922,376	36,141,301	36,141,301	11.08	1,513	4,843	94,075	0-603	0-603							
..	..	..	..	..	..	..	..	..	..	52,047,780	..	..	..	11.08	1,513	4,843	94,075	0-603	0-603							
..	..	..	..	..	..	..	..	..	..	14,763,710	7,787,403	6,450,277	6,450,277	10.18	1,615	4,084	10,684	1-082	1-082							
..	..	..	..	..	..	..	..	..	..	14,763,710	..	..	..	10.18	1,615	4,084	10,684	1-082	1-082							
..	..	..	..	..	..	..	..	..	..	32,805,830	..	..	..	13.40	1,055	3,013	44,095	1-082	1-082							
..	..	..	..	..	..	..	..	..	..	144,000,047	..	..	..	12.84	1,565	3,913	56,910	0-904	0-904							
..	..	..	..	..	..	..	..	..	..	22,089,566	..	..	..	11.34	1,604	4,303	33,103	1-001	1-001							
..	..	..	..	..	..	..	..	..	..	24,927,470	3,818,206	77,205,530	77,205,530	13.51	1,337	4,498	58,374	1-001	1-001							
..	..	..	..	..	..	..	..	..	..	93,086,604	223,000,851	278,700,857	278,700,857	10.14	1,601	5,201	59,492	1-001	1-001							
..	..	..	..	..	..	..	..	..	..	2,704,845,942	37,390,046	43,970,874	43,970,874	10.14	1,601	5,201	59,492	1-001	1-001							
..	..	..	..	..	..	..	..	..	..	321,730,010	74,741	289,074,803	289,074,803	10.13	1,727	5,188	200,242	1-005	1-005							
..	..	..	..	..	..	..	..	..	..	247,108,490	9,057,650	204,783,503	204,783,503	10.96	1,683	6,031	270,697	1-291	1-291							
..	..	..	..	..	..	..	..	..	..	55,221,960	..	..	..	8.40	1,292	3,934	154,226	0-808	0-808							
..	..	..	..	..	..	..	..	..	..	27,500,840	..	..	..	9.36	1,870	5,084	189,198	0-808	0-808							
..	..	..	..	..	..	..	..	..	..	25,143,000	..	..	..	7.99	1,295	3,725	138,468	0-904	0-904							
..	..	..	..	..	..	..	..	..	..	55,143,000	..	..	..	7.99	1,295	3,725	138,468	0-904	0-904							
..	..	..	..	..	..	..	..	..	..	27,622,376	..	..	..	0.73	1,515	4,725	300,070	0-904	0-904							
..	..	..	..	..	..	..	..	..	..	67,885,370	..	..	..	0.88	1,191	3,501	143,276	0-904	0-904							
..	..	..	..	..	..	..	..	..	..	59,550,939	..	..	..	0.88	1,191	3,501	143,276	0-904	0-904							
..	..	..	..	..	..	..	..	..	..	10,880	..	..	..	13.70	1,517	4,502	407,860	1-001	1-001							
..	..	..	..	..	..	..	..	..	..	37,390,046	..	..	..	13.70	1,517	4,502	407,860	1-001	1-001							
..	..	..	..	..	..	..	..	..	..	43,970,874	..	..	..	13.70	1,517	4,502	407,860	1-001	1-001							
..	..	..																								



TABLE VI—CAPITAL OUTLAY, FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1955

Supply Authorities	Capital Outlay £(N.Z.)	Loan Liability £(N.Z.)	Revenue			Working Costs			Capital Charges				Net Results		No.				
			Feed-back and Standby Charges £(N.Z.)	Trading Accounts Profit £(N.Z.)	Other Sources (excluding Rates) £(N.Z.)	Total £(N.Z.)	Cost of Power Generated <sup>a</sup> £(N.Z.)	Transmission and Distribution <sup>b</sup> £(N.Z.)	Management and General £(N.Z.)	Total £(N.Z.)	Interest £(N.Z.)	Sinking Fund £(N.Z.)	Depreciation £(N.Z.)	Other £(N.Z.)		Total Annual Costs £(N.Z.)	Surplus £(N.Z.)	Deficit £(N.Z.)	Amount collected by way of Rates to make up Deficiency £(N.Z.)
WT. Hydro-Electric Dept.	110,780,480,000,694,831	542,543	5,929	4,779	189,750	1,704,136 <sup>c</sup>	800,088	710,052	3,700,264	10,112	18,883	65,203	600,342	4,770,958	8,477,222	87,982	..	..	
POWER BOARDS																			
Wharfedale	7,968,300	2,347,455	5,258	12,927	2,474,570	1,427,117	373,535	292,988	2,033,610	88,003	10,150	..	15,834	53,829	102,003	27,057	..	..	
Yorkshire	1,011,200	126,376	813	2,002	48,374	1,477,117	51,819	292,988	1,033,610	24,860	3,887	..	122,443	285,910	319,329	135,047	..	..	
West of England	1,005,288	755,143	3,787	2,962	236,954	87,829	51,819	17,465	29,085	24,860	3,887	..	46,143	71,766	33,851	1,523	..	..	
West Midlands	1,453,864	200,000	3,019	3,019	189,642	84,501	55,955	18,082	128,578	9,401	8,101	..	2,008	25,055	153,633	30,009	..	..	
West of Scotland	135,890	104,570	4,401	1,48	50,300	18,440	10,136	7,400	36,584	2,894	4,294	..	2,008	41,240	13,111	..	..		
West of Wales	170,840	37,075	420	528	92,890	38,909	7,400	5,480	51,871	1,082	..	..	8,809	68,655	20,501	..	..		
West of Yorkshire	1,212,716	267,435	625	6,722	125,890	52,815	11,091	11,071	75,377	20,655	..	..	60,010	305,812	10,384	..	..		
West of Lancashire	1,472,000	149,863	2,000	1,600	426,423	185,688	41,741	46,583	209,092	6,780	..	..	10,000	368,802	39,921	..	..		
West of Derbyshire	857,829	651,712	3,183	3,183	373,019	123,093	25,000	29,545	177,027	23,935	..	..	18,876	226,395	31,983	..	..		
West of Nottingham	151,297	81,000	..	..	39,015	15,011	3,030	5,886	25,740	3,480	..	..	3,032	28,277	6,738	..	..		
West of Yorkshire	145,901	88,810	..	..	185,433	22,841	2,811	3,293	131,748	2,481	..	..	2,408	150,934	35,249	..	..		
West of Lancashire	1,318,888	675,102	2,876	4,272	188,433	75,070	18,114	20,327	103,048	26,055	..	..	52,020	80,400	41,448	..	..		
West of Yorkshire	881,921	481,075	2,227	1,704	338,312	115,061	33,114	48,912	165,237	17,140	..	..	34,377	51,592	210,870	..	..		
West of Lancashire	1,402,521	849,089	1,405	1,044	912,652	511,082	108,743	64,310	724,157	29,374	..	..	7,853	97,993	90,400	..	..		
West of Yorkshire	384,430	269,971	515	6,382	32,572	20,287	6,580	10,953	30,029	8,930	..	..	11,086	21,036	51,513	..	..		
West of Lancashire	134,870	92,211	394	32,072	32,072	5,734	3,526	4,513	17,728	3,077	..	..	2,301	26,549	5,523	..	..		
West of Yorkshire	663,255	274,250	1,729	1,250	402,555	233,040	45,407	41,238	297,736	11,738	..	..	27,137	356,137	46,458	..	..		
West of Lancashire	1,257,450	709,010	2,687	1,580	104,244	48,870	10,006	10,665	100,833	11,282	..	..	10,878	125,627	28,617	..	..		
West of Yorkshire	1,297,160	334,016	1,008	1,245	327,752	172,521	31,868	33,114	237,138	32,694	..	..	61,827	311,599	10,153	..	..		
West of Lancashire	248,000	77,521	1,160	1,118	74,240	28,121	18,608	10,842	109,028	12,278	..	..	11,077	146,978	19,087	..	..		
West of Yorkshire	316,051	180,240	1,362	3,589	220,409	71,217	11,770	13,277	123,928	17,242	..	..	2,000	181,635	38,834	..	..		
West of Lancashire	468,601	200,200	4,613	3,407	88,721	35,906	14,053	14,145	162,391	14,062	..	..	28,722	220,215	15,084	..	..		
West of Yorkshire	900,971	436,500	2,285	2,285	278,303	188,948	25,200	27,331	130,216	9,006	..	..	25,927	152,179	19,437	..	..		
West of Lancashire	409,573	44,955	1,783	6,895	378,303	88,948	10,104	13,614	131,861	10,680	..	..	11,877	166,450	13,347	..	..		
West of Yorkshire	1,725,808	306,653	4,458	1,079	179,797	171,010	18,286	12,774	148,524	17,156	..	..	14,475	34,889	166,450	..	..		
West of Lancashire	886,550	451,953	2,094	4,458	239,762	188,837	11,546	10,505	60,888	6,873	..	..	42,356	59,312	20,627	..	..		
West of Yorkshire	313,939	180,240	1,068	2,094	39,189	108,827	38,971	20,494	165,243	19,003	..	..	17,311	208,036	31,720	..	..		
West of Lancashire	248,000	77,521	1,362	3,589	220,409	71,217	11,770	13,277	123,928	17,242	..	..	2,000	181,635	38,834	..	..		
West of Yorkshire	468,601	200,200	4,613	3,407	88,721	35,906	14,053	14,145	162,391	14,062	..	..	28,722	220,215	15,084	..	..		
West of Lancashire	900,971	436,500	2,285	2,285	278,303	188,948	25,200	27,331	130,216	9,006	..	..	25,927	152,179	19,437	..	..		
West of Yorkshire	409,573	44,955	1,783	6,895	378,303	88,948	10,104	13,614	131,861	10,680	..	..	11,877	166,450	13,347	..	..		
West of Lancashire	1,725,808	306,653	4,458	1,079	179,797	171,010	18,286	12,774	148,524	17,156	..	..	14,475	34,889	166,450	..	..		
West of Yorkshire	886,550	451,953	2,094	4,458	239,762	188,837	11,546	10,505	60,888	6,873	..	..	42,356	59,312	20,627	..	..		
West of Lancashire	313,939	180,240	1,068	2,094	39,189	108,827	38,971	20,494	165,243	19,003	..	..	17,311	208,036	31,720	..	..		
West of Yorkshire	248,000	77,521	1,362	3,589	220,409	71,217	11,770	13,277	123,928	17,242	..	..	2,000	181,635	38,834	..	..		
West of Lancashire	468,601	200,200	4,613	3,407	88,721	35,906	14,053	14,145	162,391	14,062	..	..	28,722	220,215	15,084	..	..		
West of Yorkshire	900,971	436,500	2,285	2,285	278,303	188,948	25,200	27,331	130,216	9,006	..	..	25,927	152,179	19,437	..	..		
West of Lancashire	409,573	44,955	1,783	6,895	378,303	88,948	10,104	13,614	131,861	10,680	..	..	11,877	166,450	13,347	..	..		
West of Yorkshire	1,725,808	306,653	4,458	1,079	179,797	171,010	18,286	12,774	148,524	17,156	..	..	14,475	34,889	166,450	..	..		
West of Lancashire	886,550	451,953	2,094	4,458	239,762	188,837	11,546	10,505	60,888	6,873	..	..	42,356	59,312	20,627	..	..		
West of Yorkshire	313,939	180,240	1,068	2,094	39,189	108,827	38,971	20,494	165,243	19,003	..	..	17,311	208,036	31,720	..	..		
West of Lancashire	248,000	77,521	1,362	3,589	220,409	71,217	11,770	13,277	123,928	17,242	..	..	2,000	181,635	38,834	..	..		
West of Yorkshire	468,601	200,200	4,613	3,407	88,721	35,906	14,053	14,145	162,391	14,062	..	..	28,722	220,215	15,084	..	..		
West of Lancashire	900,971	436,500	2,285	2,285	278,303	188,948	25,200	27,331	130,216	9,006	..	..	25,927	152,179	19,437	..	..		
West of Yorkshire	409,573	44,955	1,783	6,895	378,303	88,948	10,104	13,614	131,861	10,680	..	..	11,877	166,450	13,347	..	..		
West of Lancashire	1,725,808	306,653	4,458	1,079	179,797	171,010	18,286	12,774	148,524	17,156	..	..	14,475	34,889	166,450	..	..		
West of Yorkshire	886,550	451,953	2,094	4,458	239,762	188,837	11,546	10,505	60,888	6,873	..	..	42,356	59,312	20,627	..	..		
West of Lancashire	313,939	180,240	1,068	2,094	39,189	108,827	38,971	20,494	165,243	19,003	..	..	17,311	208,036	31,720	..	..		
West of Yorkshire	248,000	77,521	1,362	3,589	220,409	71,217	11,770	13,277	123,928	17,242	..	..	2,000	181,635	38,834	..	..		
West of Lancashire	468,601	200,200	4,613	3,407	88,721	35,906	14,053	14,145	162,391	14,062	..	..	28,722	220,215	15,084	..	..		
West of Yorkshire	900,971	436,500	2,285	2,285	278,303	188,948	25,200	27,331	130,216	9,006	..	..	25,927	152,179	19,437	..	..		
West of Lancashire	409,573	44,955	1,783	6,895	378,303	88,948	10,104	13,614	131,861	10,680	..	..	11,877	166,450	13,347	..	..		
West of Yorkshire	1,725,808	306,653	4,458	1,079	179,797	171,010	18,286	12,774	148,524	17,156	..	..	14,475	34,889	166,450	..	..		
West of Lancashire	886,550	451,953	2,094	4,458	239,762	188,837	11,546	10,505	60,888	6,873	..	..	42,356	59,312	20,627	..	..		
West of Yorkshire	313,939	180,240	1,068	2,094	39,189	108,827	38,971	20,494	165,243	19,003	..	..	17,311	208,036	31,720	..	..		
West of Lancashire	248,000	77,521	1,362	3,589	220,409	7													

TABLE VI—CAPITAL OUTLAY, FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1955—continued

Supply Authorities	Capital Outlay £(N.Z.)	Lease Liability £(N.Z.)	Sales of Energy			Revenue		Working Costs			Capital Charges				Net Results		Amount collected by way of Rates by No.				
			Retail £(N.Z.)	Bulk for Resale (excluding Feed-back) £(N.Z.)	Feed-back and Standby Charges £(N.Z.)	Trading Account Profit £(N.Z.)	Other Sources (excluding Rates) £(N.Z.)	Total £(N.Z.)	Cost of Power		Interest £(N.Z.)	Sinking Fund £(N.Z.)	Depreciation £(N.Z.)	Other £(N.Z.)	Total £(N.Z.)	Total Annual Costs £(N.Z.)		Surplus £(N.Z.)	Deficit £(N.Z.)		
									Generated <sup>1</sup> £(N.Z.)	Purchased <sup>2</sup> £(N.Z.)										Transmission and Distribution <sup>3</sup> £(N.Z.)	Management and General £(N.Z.)
<b>BOROUGH COUNCILS</b>																					
Infirmary	20,782	..	10,558	..	10,573	15	..	10,573	..	..	..	..	..	..	..	..	..	..	1		
..	19,685	..	14,612	..	14,546	199	..	14,546	..	..	..	..	..	..	..	..	..	..	2		
..	22,136	..	17,241	..	17,305	323	..	17,305	..	..	..	..	..	..	..	..	..	..	3		
..	35,744	1,600	21,000	..	21,000	590	..	21,000	..	..	..	..	..	..	..	..	..	..	4		
..	32,150	..	13,975	..	14,087	620	844	14,087	184	..	..	..	..	..	..	..	..	..	5		
..	35,077	..	10,363	..	10,363	..	..	10,363	..	..	..	..	..	..	..	..	..	..	6		
..	43,053	..	10,937	..	10,937	..	..	10,937	..	..	..	..	..	..	..	..	..	..	7		
..	37,403	..	23,823	..	23,823	..	..	23,823	..	..	..	..	..	..	..	..	..	..	8		
..	110,010	..	60,188	..	60,188	..	..	60,188	..	..	..	..	..	..	..	..	..	..	9		
..	310,000	..	103,756	..	103,756	..	..	103,756	..	..	..	..	..	..	..	..	..	..	10		
..	79,408	..	40,084	..	40,084	..	..	40,084	..	..	..	..	..	..	..	..	..	..	11		
..	32,341	..	20,889	..	20,889	..	..	20,889	..	..	..	..	..	..	..	..	..	..	12		
..	103,225	..	34,724	..	34,724	..	..	34,724	..	..	..	..	..	..	..	..	..	..	13		
..	175,850	..	20,183	..	20,183	..	..	20,183	..	..	..	..	..	..	..	..	..	..	14		
..	38,859	..	43,345	..	43,345	..	..	43,345	..	..	..	..	..	..	..	..	..	..	15		
..	52,776	..	22,007	..	22,007	..	..	22,007	..	..	..	..	..	..	..	..	..	..	16		
..	30,305	..	40,025	..	40,025	..	..	40,025	..	..	..	..	..	..	..	..	..	..	17		
..	97,000	..	22,599	..	22,599	..	..	22,599	..	..	..	..	..	..	..	..	..	..	18		
..	214,923	..	100,395	..	100,395	..	..	100,395	..	..	..	..	..	..	..	..	..	..	19		
Totals	1,070,410	..	783,020	..	783,020	3,718	9,709	812,800	4,480	9,671	336,440	108,705	80,079	546,261	32,205	18,384	25,098	39,124	681,675	151,216	..
<b>TOWN BOARDS</b>																					
..	30,642	..	20,417	..	20,417	156	..	20,417	..	..	..	..	..	..	..	..	..	..	..	..	..
..	6,282	..	3,097	..	3,097	755	..	3,097	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	45,924	..	24,064	..	24,064	911	..	24,064	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>COUNTY COUNCILS</b>																					
..	43,788	..	33,158	..	33,158	164	..	33,158	..	..	..	..	..	..	..	..	..	..	..	..	..
..	30,470	..	13,469	..	13,469	..	..	13,469	..	..	..	..	..	..	..	..	..	..	..	..	..
..	32,105	..	6,893	..	6,893	..	..	6,893	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	90,469	..	53,520	..	53,520	164	..	53,520	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>COMPANIES</b>																					
..	118,425	..	7,125	..	7,125	..	..	7,125	..	..	..	..	..	..	..	..	..	..	..	..	..
..	129,135	..	70,307	..	70,307	..	..	70,307	..	..	..	..	..	..	..	..	..	..	..	..	..
..	82,153	..	47,986	..	47,986	..	..	47,986	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	329,713	..	170,533	..	170,533	..	..	170,533	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>GRAND TOTALS</b>	1,009,735	..	783,020	..	783,020	4,650	9,709	812,800	4,480	9,671	336,440	108,705	80,079	546,261	32,205	18,384	25,098	39,124	681,675	151,216	..

<sup>1</sup> Actual running-costs only, including fuel, wages, stores, repairs, and maintenance.  
<sup>2</sup> Return received too late for inclusion in this table.  
<sup>3</sup> Includes cost of street-lighting.  
<sup>4</sup> Purchased.  
<sup>5</sup> Feed-back.  
<sup>6</sup> Generated.  
<sup>7</sup> Returns for year ended 31 December 1954.  
<sup>8</sup> No return received (company commenced operation into 1954).  
<sup>9</sup> Statutory charge for year.

*Handwritten notes:*  
 \* Area purchased from recovery other than SHD or supply the thereto.  
 13,575  
 7,000,543  
 17,027,210  
 15,071,173

TABLE VII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1955

Supply Authorities	Capital Outlay			Revenue from Sale of Electricity					Working-costs			Capital Charges			Total Costs			
	Per Head of Population	Per Consumer	Per £1 Revenue	Per Unit sold (Including Bulk Sales)	Per Unit sold (Retail Sales)	Per Unit sold (Domestic Supply)	Per Head of Population	Per Retail Consumer	Per kW. of Maximum Demand	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
I. STATE HYDRO-ELECTRIC DEPARTMENT	37.81	113.78	4.34	1.110	1.151(c)	0.367	8.70	20.10	95.00	132.53	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
POWER BOARDS	25.58	81.10	3.91	1.028	1.088	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
1. Ashburton	50.45	116.31	4.48	1.076	1.076	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
2. Banks Peninsula	28.49	129.87	4.31	1.509	1.509	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
3. Bay of Islands	19.08	101.63	3.59	1.142	1.142	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
4. Bay of Plenty	19.11	45.70	2.54	2.212	2.212	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
5. Buller	11.15	67.02	1.06	1.433	1.433	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
6. Cambridge	39.91	129.87	4.06	1.399	1.399	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
7. Central Hawke's Bay	29.47	88.09	3.01	1.298	1.298	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
8. Central Otago	31.57	100.81	3.98	1.681	1.681	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
9. Central Waikato	31.40	97.18	3.78	1.374	1.374	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
10. Franklin	27.37	69.31	4.16	1.401	1.401	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
11. Grey	21.37	62.97	2.62	1.053	1.053	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
12. Hauraki	27.56	82.97	3.75	1.178	1.178	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
13. Havelock Bay	13.68	40.70	1.62	1.050	1.050	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
14. Havelock Bay	28.45	110.39	2.41	1.090	1.090	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
15. Horowhenua	34.06	121.39	2.55	0.843	1.144	1.030	8.35	24.54	31.55	121.70	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
16. Hutt Valley	28.45	103.82	3.95	1.519	1.519	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
17. King Country	35.93	180.66	5.95	2.381	2.381	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
18. Manawatu	28.45	110.39	2.41	1.090	1.090	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
19. Manawatu-Otago	34.06	121.39	2.55	0.843	1.144	1.030	8.35	24.54	31.55	121.70	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
20. Marlborough	39.60	193.67	3.95	1.401	1.401	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
21. North Auckland	28.01	130.67	3.65	1.481	1.481	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
22. North Canterbury	38.82	104.23	4.95	2.201	2.201	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
23. Otago	44.35	134.33	4.00	0.808	0.808	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
24. Otago Central	29.31	88.17	2.97	1.845	1.845	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
25. Poverty Bay	29.00	73.27	2.49	1.080	1.080	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
26. South Canterbury	55.58	180.50	7.66	1.000	1.000	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
27. Springs-Essexmere	59.48	192.19	8.71	1.583	1.583	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
28. Tairāwhiti	31.06	66.48	3.55	1.301	1.301	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
29. Tairāwhiti	39.95	116.46	3.77	0.617	0.617	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
30. Tairāwhiti	19.92	146.46	9.39	0.014	0.014	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
31. Tairāwhiti	39.95	116.46	3.77	0.617	0.617	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
32. Tairāwhiti	39.95	116.46	3.77	0.617	0.617	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
33. Tairāwhiti	39.95	116.46	3.77	0.617	0.617	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
34. Tairāwhiti	39.95	116.46	3.77	0.617	0.617	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
35. Tairāwhiti	39.95	116.46	3.77	0.617	0.617	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
36. Tairāwhiti	39.95	116.46	3.77	0.617	0.617	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
37. Waikato	76.04	270.01	9.33	1.108	1.108	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
38. Waikato	76.04	270.01	9.33	1.108	1.108	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
39. Waikato	76.04	270.01	9.33	1.108	1.108	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
40. Waikato	76.04	270.01	9.33	1.108	1.108	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
41. Waikato	76.04	270.01	9.33	1.108	1.108	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
42. Waikato	76.04	270.01	9.33	1.108	1.108	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
43. Waikato	76.04	270.01	9.33	1.108	1.108	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
44. Waikato	76.04	270.01	9.33	1.108	1.108	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
45. Waikato	76.04	270.01	9.33	1.108	1.108	0.899	7.39	24.00	75.07	143.47	0.075	43.30(p)	0.304(j)	7.52	4.31(c)	0.540(z)	22.73	31.39
Totals	26.48(m)	84.35(o)	3.12(c)	1.110(c)	1.108(c)	1.030	8.09(p)	25.76(r)	..	304.16(f)	0.821(o)	71.91(p)	0.200(j)	..	5.76(c)	1.021(i)	..	30.15(m)

(For notes see page 14.)

TABLE VII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1955—continued

Supply Authorities	Capital Outlay				Revenue from Sale of Electricity				Working-costs				Capital Charges			Total Costs		
	Per Head of Population	Per Consumer	Per £1 of Revenue	Per Unit (Including Bulk Sales)	Per Unit sold (Retail Sales)	Per Unit sold (Domestic Supply)	Per Head of Population	Per Retail Consumer	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	No.	
																		£(N.Z.)
<b>CITY COUNCILS</b>																		
1. Christchurch	17.87	59.71	2.48	1.002	0.812	0.741	7.27(p)	21.97(t)	0.345	13.01	83.61	2.02	0.131	0.077	15.03	30.33	1	
2. Dunedin	44.88	136.55	0.35	0.820	0.821	1.238	8.00	20.38	0.441	0.72	52.78	4.43	0.201	0.792	11.15	28.19	2	
3. Hamilton	10.10	32.55	1.54	1.286	0.925	1.230	0.60	20.62	0.782	14.23	59.95	1.72	0.095	0.827	15.95	44.15	3	
4. Invercargill	11.02	36.10	1.06	1.080	1.453	1.080	0.40	18.44	1.087	14.78	70.05	1.57	0.116	1.003	16.35	41.05	4	
5. Napier	9.10	30.78	2.23	1.205	0.942	1.205	0.52	22.05	0.874	10.58	70.64	2.62	0.138	0.913	19.20	67.84	5	
6. Nelson	10.31	50.87	2.10	1.156	0.787	1.156	0.52	22.70	0.814	14.00	81.06	1.84	0.102	0.873	16.50	44.50	6	
7. New Plymouth	10.89	54.23	2.19	1.089	0.787	1.089	0.52	22.70	0.784	17.23	75.00	1.96	0.089	0.868	10.19	73.13	7	
8. Palmerston North	14.40	43.33	2.12	1.076	0.771	1.076	0.62	19.02	0.843	14.20	75.15	2.13	0.125	0.897	16.42	46.34	8	
9. Thames	10.50	33.63	1.77	1.007	0.690	1.007	0.62	19.02	0.811	14.35	79.63	2.21	0.139	0.897	16.56	52.40	9	
10. Wellington	10.07	40.20	1.89	1.019	0.634	1.019	0.52	21.48	0.803	13.01	89.43	2.10	0.139	1.008	15.11	53.14	10	
Totals	20.85(m)	68.08(c)	2.85(c)	1.006(d)	0.741	1.008(c)	7.27(p)	21.97(t)	0.702(g)	...	74.79(f)	...	0.162(j)	0.928(k)	...	41.85(m)		
<b>BOROUGH COUNCILS</b>																		
1. Bluff	11.30	33.77	1.62	1.706	1.082	1.706	8.00	20.38	1.273	17.15	71.50	0.39	0.021	1.242	17.44	44.09	1	
2. Inverwood	9.22	26.51	1.28	1.290	1.209	1.290	7.18	20.62	1.077	16.06	74.02	1.52	0.106	1.074	18.48	64.52	2	
3. Kaitiaki	9.38	28.77	1.49	1.459	0.968	1.459	6.28	19.95	1.107	19.24	72.80	2.85	0.210	1.271	22.00	58.30	3	
4. Lyttelton	12.41	42.48	2.40	1.535	1.573	1.535	5.16	17.47	1.201	20.13	71.49	3.52	0.210	1.411	23.65	48.45	4	
5. Otago	14.55	47.08	1.81	1.338	1.102	1.338	4.06	16.50	0.984	17.78	72.33	2.59	0.127	1.311	23.00	48.82	5	
6. Patea	12.18	31.56	3.04	1.783	1.430	1.783	7.70	21.40	0.906	17.68	50.54	0.31	0.345	1.010	20.12	52.78	6	
7. Raedihū	12.87	45.01	1.57	1.229	0.977	1.229	4.06	16.50	0.923	18.20	74.14	1.92	0.087	1.036	17.20	47.08	7	
8. Rangiora	20.83	63.58	1.83	1.006	0.854	1.006	4.06	16.50	0.825	15.26	70.64	2.03	0.110	1.351	23.50	29.00	8	
9. Riccarton	15.89	48.08	1.99	1.425	1.339	1.425	4.06	16.50	1.054	19.36	69.44	4.01	0.204	1.370	23.87	42.53	9	
10. Rotorna Electric Supply	13.47	40.27	1.55	1.740	1.007	1.740	7.97	21.40	1.130	20.31	64.91	2.07	0.110	1.240	16.31	50.57	10	
11. Stratford	15.89	48.08	1.99	1.380	1.007	1.380	4.06	16.50	1.035	16.78	53.62	3.42	0.224	1.200	28.13	30.20	11	
12. Taihape	30.45	70.60	2.97	1.924	1.167	1.924	10.54	28.05	0.754	7.02	51.81	5.60	0.250	2.074	17.31	17.31	12	
13. Teanarua	63.20	163.74	8.71	2.862	3.108	2.862	3.108	28.81	1.085	16.23	26.27	17.90	1.359	2.074	29.80	30.80	13	
14. Tapanui	34.20	98.12	4.99	0.656	0.565	0.656	7.97	21.40	0.345	10.07	84.11	1.66	0.085	0.620	12.92	62.20	14	
15. Turanga	10.51	33.60	1.32	1.250	1.127	1.250	5.01	17.81	0.601	19.07	81.06	1.40	0.068	1.151	21.92	62.02	15	
16. Te Araroa	8.21	29.27	0.96	1.339	1.138	1.339	8.00	23.30	0.842	20.36	78.10	1.40	0.068	0.900	21.00	19.00	16	
17. Waipara	10.78	34.34	1.68	1.109	0.941	1.109	8.00	23.30	0.812	19.40	69.93	1.42	0.077	1.014	19.00	16.01	17	
18. Wairua	10.78	34.34	1.68	1.577	1.432	1.577	8.00	23.30	1.104	20.40	69.93	1.42	0.077	1.181	21.62	16.01	18	
19. Waiwera	19.63	61.88	2.10	1.751	1.415	1.751	9.03	28.62	1.021	17.72	57.10	4.20	0.242	1.203	21.82	37.05	19	
20. Whakarewa	15.81	51.28	2.14	1.414	1.099	1.414	7.39	23.95	1.103	14.06	69.17	1.80	0.131	1.111	19.05	30.71	20	
21. Whangarei	18.20(n)	55.81(c)	2.60(c)	1.354(d)	1.000	1.354(c)	7.27(p)	22.20(r)	0.911(g)	...	67.20(v)	...	0.194(j)	1.408(k)	...	39.08(m)		
Totals	21.09	73.68	1.94	1.521	1.205	1.521	10.80	37.95	1.433	25.02	92.57	2.07	0.110	1.540	27.09	52.40	1	
<b>TOWN BOARDS</b>																		
1. Kaponga	10.08	38.30	1.73	1.622	1.500	1.622	9.53	22.18	308.08	1.523	79.70	0.48	0.035	1.558	21.78	63.48	2	
2. Mangaweka	20.41(n)	65.08(c)	1.91(c)	1.521(d)	1.306	1.521(c)	10.00(p)	34.50(r)	304.45(f)	1.447(g)	...	...	0.104(j)	1.551(k)	...	85.88(m)		
Totals	20.41(n)	65.08(c)	1.91(c)	1.521(d)	1.306	1.521(c)	10.00(p)	34.50(r)	304.45(f)	1.447(g)	...	...	0.104(j)	1.551(k)	...	85.88(m)		

(For notes see page 14.)

TABLE VII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1955—continued

Supply Authorities	Capital Outlay				Revenue from Sale of Electricity				Working-costs				Capital Charges				Total Costs		
	Per Head of Population	Per Consumer	Per £1 of Revenue	Per Unit sold (including Bulk Sales)	Per Unit (Retail Sales)	Per Unit sold (Domestic Supply)	Per Head of Population	Per Retail Consumer	Per kW. of Maximum Demand	Per kW. of Maximum Demand	Per Unit sold	Per kW. of Maximum Demand	Per Unit sold	Per kW. of Maximum Demand	Per Unit sold	Per kW. of Maximum Demand	Per Unit sold	Per kW. of Maximum Demand	Per Cent. of Distribution Capital
<b>COUNTRY COUNCILS</b>																			
1. Heathcote	9.44	34.10	1.32	0.905	0.905	0.901	7.15	35.82	16.50	0.728	13.29	0.034	0.034	0.034	0.034	0.034	0.034	0.034	63.81
2. Kaitiaki	12.20	39.90	1.62	5.351	5.351	0.990	8.06	30.31	70.15	0.164	80.81	1.268	1.268	1.268	1.268	1.268	1.268	1.268	308.19
3. Murchison	22.07	123.35	4.07	1.010	1.010	1.004	5.07	20.41	22.30	0.853	14.30	0.969	0.969	0.969	0.969	0.969	0.969	0.969	41.51
4. Uawa	13.41	50.30	1.09	26.090	26.090	27.068	0.74	28.30	N.A.	22.437	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	130.23
Totals	11.75 <sup>(a)</sup>	40.89 <sup>(c)</sup>	1.80 <sup>(c)</sup>	1.248 <sup>(d)</sup>	1.248 <sup>(d)</sup>	1.204	6.31 <sup>(p)</sup>	26.02 <sup>(c)</sup>	..	1.050 <sup>(q)</sup>	..	0.184 <sup>(g)</sup>	0.184 <sup>(g)</sup>	0.184 <sup>(g)</sup>	0.184 <sup>(g)</sup>	0.184 <sup>(g)</sup>	0.184 <sup>(g)</sup>	0.184 <sup>(g)</sup>	78.14 <sup>(m)</sup>
<b>COMPANIES</b>																			
1. Amethyst Power Ltd. <sup>1</sup>	30.00	107.07	3.75	0.903	0.903	1.447	7.57	22.11	18.80	0.656	13.05	0.083	0.083	0.083	0.083	0.083	0.083	0.083	03.41
2. Kaniere Electric Ltd. <sup>1</sup>	87.25	4,782.78	3.04	0.354	0.354	1.028	14.13	774.50	8.45	0.209	7.15	0.009	0.009	0.009	0.009	0.009	0.009	0.009	70.55
3. Wilsons (N.Z.) Portland Cement	21.12	105.32	2.91	1.503	1.503	2.178	0.78	33.82	32.48	0.812	17.55	0.371	0.371	0.371	0.371	0.371	0.371	0.371	44.18
4. Westland Power Ltd. <sup>1</sup>	38.34 <sup>(n)</sup>	172.35 <sup>(o)</sup>	3.40 <sup>(c)</sup>	0.010 <sup>(r)</sup>	0.010 <sup>(r)</sup>	0.750 <sup>(e)</sup>	8.34 <sup>(p)</sup>	37.51 <sup>(c)</sup>	..	0.443 <sup>(g)</sup>	..	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	80.00 <sup>(m)</sup>
Totals	70.10 <sup>(n)</sup>	230.79 <sup>(o)</sup>	0.41 <sup>(c)</sup>	1.128 <sup>(e)</sup>	1.128 <sup>(e)</sup>	1.128 <sup>(e)</sup>	7.91 <sup>(p)</sup>	24.70 <sup>(c)</sup>	..	0.656	..	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	0.070 <sup>(j)</sup>	27.30 <sup>(m)</sup>
<b>GRAND TOTALS*</b>																			
Grand totals, 1954	69.43	222.33	0.33	1.107	1.107	1.107	7.39	23.13	..	..	..	..	..	..	..	..	..	..	25.52
" " 1953	62.04	200.27	8.20	0.804	0.804	..	5.41	17.00	..	..	..	..	..	..	..	..	..	..	22.25
" " 1952	54.74	178.41	7.47	0.800	0.800	..	5.22	10.51	..	..	..	..	..	..	..	..	..	..	22.65
" " 1951	40.40	163.68	7.35	0.858	0.858	..	4.70	15.18	..	..	..	..	..	..	..	..	..	..	22.08
" " 1950	44.07	149.80	0.78	0.842	0.842	..	4.59	15.20	..	..	..	..	..	..	..	..	..	..	22.08
" " 1949	40.44	139.57	6.55	0.850	0.850	..	4.40	14.70	..	..	..	..	..	..	..	..	..	..	23.39
" " 1948	37.17	130.92	0.62	0.820	0.820	..	4.00	13.74	..	..	..	..	..	..	..	..	..	..	23.60
" " 1947	34.11	121.97	0.16	0.810	0.810	..	3.07	13.63	..	..	..	..	..	..	..	..	..	..	22.71
" " 1946	31.42	111.38	5.69	0.820	0.820	..	3.88	13.38	..	..	..	..	..	..	..	..	..	..	21.42

NOTES.—<sup>1</sup> Returns for year ended 31 December 1954.  
<sup>2</sup> Excludes sundry private plants (Table V) which do not furnish returns.  
<sup>3</sup> Excludes loan redemption fund arrears.  
<sup>4</sup> Excludes bulk sales sundry private plants (Table V).  
<sup>5</sup> Excludes loan redemption fund arrears.  
<sup>6</sup> No return received (company commenced operation late 1954).  
<sup>7</sup> Returns from Uawa County Council incomplete.  
<sup>8</sup> Derived from items 5 and 11, Table IX.  
<sup>9</sup> Derived from items 5 and 14, Table IX.  
<sup>10</sup> Derived from items 5 and 18, Table IX.  
<sup>11</sup> Derived from items 5 and 18, Table IX.  
<sup>12</sup> Derived from items 5 and 18, Table IX.  
<sup>13</sup> Derived from items 5 and 18, Table IX.  
<sup>14</sup> Derived from items 5 and 18, Table IX.  
<sup>15</sup> Derived from items 5 and 18, Table IX.  
<sup>16</sup> Derived from items 5 and 18, Table IX.  
<sup>17</sup> Derived from items 5 and 18, Table IX.  
<sup>18</sup> Derived from items 5 and 18, Table IX.  
<sup>19</sup> Derived from items 5 and 18, Table IX.  
<sup>20</sup> Derived from items 5 and 18, Table IX.  
<sup>21</sup> Derived from items 5 and 18, Table IX.  
<sup>22</sup> Derived from items 5 and 18, Table IX.  
<sup>23</sup> Derived from items 5 and 18, Table IX.  
<sup>24</sup> Derived from items 5 and 18, Table IX.  
<sup>25</sup> Derived from items 5 and 18, Table IX.  
<sup>26</sup> Derived from items 5 and 18, Table IX.  
<sup>27</sup> Derived from items 5 and 18, Table IX.  
<sup>28</sup> Derived from items 5 and 18, Table IX.  
<sup>29</sup> Derived from items 5 and 18, Table IX.  
<sup>30</sup> Derived from items 5 and 18, Table IX.  
<sup>31</sup> Derived from items 5 and 18, Table IX.  
<sup>32</sup> Derived from items 5 and 18, Table IX.  
<sup>33</sup> Derived from items 5 and 18, Table IX.  
<sup>34</sup> Derived from items 5 and 18, Table IX.  
<sup>35</sup> Derived from items 5 and 18, Table IX.  
<sup>36</sup> Derived from items 5 and 18, Table IX.  
<sup>37</sup> Derived from items 5 and 18, Table IX.  
<sup>38</sup> Derived from items 5 and 18, Table IX.  
<sup>39</sup> Derived from items 5 and 18, Table IX.  
<sup>40</sup> Derived from items 5 and 18, Table IX.  
<sup>41</sup> Derived from items 5 and 18, Table IX.  
<sup>42</sup> Derived from items 5 and 18, Table IX.  
<sup>43</sup> Derived from items 5 and 18, Table IX.  
<sup>44</sup> Derived from items 5 and 18, Table IX.  
<sup>45</sup> Derived from items 5 and 18, Table IX.  
<sup>46</sup> Derived from items 5 and 18, Table IX.  
<sup>47</sup> Derived from items 5 and 18, Table IX.  
<sup>48</sup> Derived from items 5 and 18, Table IX.  
<sup>49</sup> Derived from items 5 and 18, Table IX.  
<sup>50</sup> Derived from items 5 and 18, Table IX.  
<sup>51</sup> Derived from items 5 and 18, Table IX.  
<sup>52</sup> Derived from items 5 and 18, Table IX.  
<sup>53</sup> Derived from items 5 and 18, Table IX.  
<sup>54</sup> Derived from items 5 and 18, Table IX.  
<sup>55</sup> Derived from items 5 and 18, Table IX.  
<sup>56</sup> Includes costs of generating feed back.  
<sup>57</sup> Excludes costs of generating feed back.  
<sup>58</sup> Excludes costs of generating feed back.  
<sup>59</sup> Excludes costs of generating feed back.  
<sup>60</sup> Excludes costs of generating feed back.  
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<sup>89</sup> Excludes costs of generating feed back.  
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<sup>94</sup> Excludes costs of generating feed back.  
<sup>95</sup> Excludes costs of generating feed back.  
<sup>96</sup> Excludes costs of generating feed back.  
<sup>97</sup> Excludes costs of generating feed back.  
<sup>98</sup> Excludes costs of generating feed back.  
<sup>99</sup> Excludes costs of generating feed back.  
<sup>100</sup> Excludes costs of generating feed back.

TABLE VIII—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES FOR THE YEAR ENDED 31 MARCH 1955

Supply Authorities	Population Included in Area of Supply		Ratio of Consumers to Population in Area of Supply	Consumers			Ranges			Water-heaters			Milk-machines			Consumers Per Route-mile of Line (*)	No.	
	Number	Per Cent		Domestic	Commercial	Total	Number (*)	Total Kilowatts	Ratio, Number of Ranges to Domestic Consumers	Number	kW	Per Cent	Total Kilowatts	Ratio, Number of Water-heaters to Total Number of Consumers	Number			Horse-power
STATE HYDRO-ELECTRIC DEPARTMENT																		
1. North Island	53,290	31.68	14,681	2,201	16,882	6,260	3,571	98.81	752	775	127.24	6,941	137.24	255	219	0.22		
2. South Island	53,290	..	15,269	2,204	17,473	6,841	43,886	44.80	6,229	7,716	35.65	7,716	32.44	2,211	2,976	3.67		
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Power Boards																		
1. Ashburton	20,570	33.23	6,047	789	6,836	4,005	15,995	66.23	5,008	10,027	73.26	10,027	73.26	336	240	5.06		
2. Auckland	311,430	31.55	84,881	13,371	98,252	53,265	382,000	62.75	59,940	45,000	61.00	45,000	61.00	1,135	1,135	57.39		
3. Bank's Peninsula	3,790	43.38	1,553	91	1,644	5,402	5,402	54.41	851	1,335	51.76	1,335	51.76	227	184	6.42		
4. Bay of Islands	35,280	22.11	6,829	972	7,801	3,997	25,757	58.53	4,807	3,778	61.62	4,834	61.62	1,698	2,576	11.22		
5. Bay of Plenty	23,970	18.63	3,842	624	4,466	2,471	15,172	64.31	3,397	2,785	74.05	2,785	74.05	958	1,531	11.22		
6. Buller	10,360	28.69	2,463	509	2,972	78	584	3.17	169	142	5.05	142	5.05	83	76	24.56		
7. Cambridge	8,480	31.56	2,372	304	2,676	1,462	9,738	61.04	2,017	2,115	75.37	2,115	75.37	506	610	10.45		
8. Central Hawke's Bay	12,310	30.72	3,218	564	3,782	2,575	16,825	80.02	2,218	2,512	65.65	2,512	65.65	332	320	4.16		
9. Central Waikato	41,150	33.45	12,503	1,263	13,766	6,642	44,000	53.12	8,973	7,324	65.18	7,324	65.18	2,495	3,892	7.64		
10. Dannevirke	12,900	31.32	3,426	614	4,040	2,008	13,360	58.61	2,004	2,900	51.83	2,900	51.83	584	702	8.72		
11. Franklin	27,290	32.32	7,896	923	8,819	4,954	29,987	62.74	7,795	5,871	58.39	5,871	58.39	2,734	3,326	9.10		
12. Golden Bay	4,190	29.93	1,110	144	1,254	2,932	4,757	41.31	653	564	52.87	564	52.87	240	251	5.75		
13. Grey	20,840	34.29	6,137	1,000	7,137	2,529	16,725	78.10	1,983	2,128	27.75	2,128	27.75	122	138	18.28		
14. Hawke's Bay	47,860	33.21	13,737	2,158	15,895	10,729	78,477	78.10	10,431	10,474	65.62	10,474	65.62	526	150	14.40		
15. Horowhenua	28,270	46.17	10,779	2,273	13,052	6,172	40,645	57.26	6,692	4,969	51.27	4,969	51.27	894	1,176	12.61		
16. Hutt Valley	106,910	29.24	28,669	2,588	31,257	19,655	134,653	68.56	20,991	16,057	67.16	16,057	67.16	155	198	30.76		
17. King Country	10,790	19.72	1,993	135	2,128	607	4,041	30.46	693	4,978	30.46	4,978	30.46	271	359	3.61		
18. Malvern	4,740	25.78	1,090	132	1,222	402	2,286	36.88	325	494	26.60	494	26.60	57	37	4.18		
19. Manawatu-Oroua	27,550	28.80	7,169	766	7,935	4,525	31,018	63.12	5,307	3,914	66.88	3,914	66.88	2,121	2,682	9.50		
20. Marlborough	21,060	29.83	5,309	974	6,283	1,960	14,280	36.73	1,760	1,492	28.01	1,492	28.01	267	361	13.34		
21. North Auckland	31,080	31.93	9,163	951	10,114	5,395	32,054	58.88	7,644	6,077	75.58	6,077	75.58	3,028	4,208	4.11		
22. North Canterbury	16,240	36.54	5,399	535	5,934	2,826	18,253	52.34	2,923	4,176	49.26	4,176	49.26	558	300	4.88		
23. Otago	6,540	27.81	1,550	269	1,819	1,074	6,772	69.29	1,521	1,377	83.62	1,377	83.62	457	1,135	6.92		
24. Otago Central	27,090	32.44	7,506	1,283	8,789	2,081	15,310	38.47	2,184	2,968	24.85	2,968	24.85	319	407	5.47		
25. Poverty Bay	10,690	32.94	2,922	566	3,488	1,124	6,478	38.47	1,386	1,455	39.74	1,455	39.74	59	60	4.83		
26. South Canterbury	39,040	29.07	8,446	1,874	10,320	5,035	38,115	59.61	5,326	5,556	51.61	5,556	51.61	478	417	13.56		
27. South Taranaki	27,740	29.07	7,174	890	8,064	2,704	19,159	38.53	2,655	4,462	32.92	4,462	32.92	485	347	6.17		
28. South Taranaki	17,760	31.47	4,612	978	5,590	3,587	17,858	68.93	3,853	2,815	68.93	2,815	68.93	1,097	1,787	13.03		
29. Springs-Eliasmere	18,540	29.07	4,972	418	5,390	3,382	21,358	68.02	3,527	4,100	65.44	4,100	65.44	1,568	435	10.00		
30. Taranaki	14,760	29.90	4,101	312	4,413	1,852	12,903	45.16	3,070	2,588	69.57	2,588	69.57	1,811	3,032	6.65		
31. Taranaki	9,470	32.46	2,599	475	3,074	2,168	12,826	66.88	2,056	1,764	66.88	1,764	66.88	727	576	7.76		
32. Tauranga	24,730	21.12	7,405	842	8,247	5,850	36,851	79.00	6,537	6,240	79.26	6,240	79.26	1,173	1,526	7.76		
33. Te Awamutu	17,370	29.94	4,158	1,042	5,200	3,634	17,723	87.40	3,562	3,562	68.50	3,562	68.50	1,140	1,869	10.40		
34. Teverot	4,750	13.60	523	123	646	438	2,834	83.75	409	404	63.31	404	63.31	7	5	5.67		
35. Thames Valley	55,810	32.46	16,971	1,145	18,116	9,350	66,790	55.09	12,634	10,590	69.74	10,590	69.74	4,651	7,444	8.16		

(For notes, see page 17.)

TABLE VIII—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES FOR THE YEAR ENDED 31 MARCH 1955—continued

Supply Authorities	Population Included in Area of Supply	Ratio of Consumers to Population in Area of Supply	Consumers		Ranges		Water-heaters		Milkling-machines		No. Consumers Per Route-mile of Line (%)				
			Domestic	Commercial	Total	Number (%)	Total Kilowatts	Per Cent	Number	Ratio, Number of Water-heaters to Total Number of Consumers		Number	Horse-power		
<b>POWER BOARDS—continued</b>															
36. Waimea	23,880	31.25	6,329	1,134	7,463	4,291	24,586	67.80	4,640	4,629	62.17	687	732	10.96	36
37. Waipapa	30,350	30.21	7,720	1,448	9,168	5,363	33,163	69.46	5,420	5,662	59.12	1,304	1,735	11.25	37
38. Waipare	4,170	26.67	958	154	1,112	620	4,340	64.72	773	608	69.51	312	354	2.58	38
39. Waipara	8,060	16.08	1,182	114	1,296	504	3,337	42.64	622	531	47.99	172	144	4.78	39
40. Waitaki	19,820	35.84	1,146	1,103	2,249	3,831	25,082	64.31	3,784	4,131	53.27	207	136	9.68	40
41. Waitemata	92,070	40.00	32,584	4,239	36,823	21,916	145,541	67.26	21,960	19,572	59.64	4,222	2,747	14.54	41
42. Waitomo	14,130	27.23	3,262	586	3,848	2,215	14,903	67.90	2,483	2,314	64.53	695	962	7.52	42
43. Wanganui-Rangitikei	57,760	29.72	14,741	2,423	17,164	7,574	51,215	51.38	8,473	7,501	49.36	1,658	1,286	12.37	43
Totals	1,352,090	31.39	371,257	53,150	424,407	225,272	1,508,308	60.68	253,471	227,641	59.72	41,489	51,829	11.24	
<b>CITY COUNCILS</b>															
1. Christchurch	167,430	33.28	48,721	7,000	55,721	34,982	258,857	71.82	35,864	31,030	64.36	208	160	38.59	1
2. Dunedin	103,290	32.87	30,111	3,846	33,957	12,474	78,680	41.43	18,424	23,733	54.26	310	414	44.45	2
3. Hamilton	26,170	31.31	6,303	1,890	8,193	2,325	15,164	36.89	3,258	2,126	39.78	..	..	39.20	3
4. Invercargill	28,720	33.01	7,859	1,623	9,482	1,597	8,842	20.32	1,556	1,798	16.41	..	..	71.83	4
5. Napier	17,820	29.56	4,199	1,069	5,268	1,736	13,701	41.34	2,420	2,021	45.94	..	..	36.08	5
6. Nelson	16,640	32.06	4,404	931	5,335	1,440	12,300	32.70	2,008	3,050	54.51	..	..	76.21	6
7. New Plymouth	33,340	31.15	9,075	1,310	10,385	6,324	44,268	69.69	7,513	6,275	72.34	1,016	1,089	24.32	7
8. Palmerston North	33,880	33.25	9,694	1,572	11,266	5,342	33,525	55.11	6,568	4,453	58.30	..	..	89.41	8
9. Timaru	21,710	31.32	5,588	1,212	6,800	2,946	21,329	52.72	3,173	5,216	46.66	..	..	90.67	9
10. Wellington	123,760	34.79	34,731	8,327	43,058	9,214	64,498	26.53	18,522	23,270	43.02	35	82	58.34	10
Totals	572,760	33.08	160,685	28,780	189,465	78,300	551,164	48.78	100,206	102,972	52.89	1,569	2,345	45.86	
<b>Borough Councils</b>															
1. Bluff	2,370	33.46	652	141	793	246	1,137	37.73	144	185	18.16	..	..	61.00	1
2. Inglewood	1,620	40.12	482	168	650	274	1,697	56.85	206	287	40.92	6	9	38.23	2
3. Karori	2,400	34.75	720	114	834	413	2,593	57.36	363	416	43.52	..	..	52.12	3
4. Lyttelton	3,490	32.61	950	188	1,138	395	2,719	41.58	462	584	40.60	6	6	66.94	4
5. Ohakune	2,590	29.23	561	196	757	131	891	23.35	184	167	25.31	37	41	16.82	5
6. Patea	2,410	30.33	501	140	641	425	2,807	71.91	406	422	55.54	39	44	25.21	6
7. Raetihi	2,470	23.89	463	127	590	79	609	17.06	147	130	24.91	63	64	16.53	7
8. Rangiora	3,070	38.60	1,007	178	1,185	541	3,729	53.72	659	722	58.14	..	..	74.06	8
9. Riccarton	8,550	28.21	2,281	131	2,412	1,501	10,108	65.80	1,755	1,438	72.76	..	..	89.33	9
10. Rotorua Electric Supply	24,510	32.77	6,636	1,396	8,032	2,965	20,403	44.68	3,385	2,935	42.14	465	561	17.09	10
11. Stratford	5,030	33.44	1,265	367	1,632	791	5,965	62.53	776	749	47.55	21	14	58.29	11
12. Taihape	2,400	32.46	607	196	803	232	1,660	38.22	230	224	27.40	..	..	61.77	12
13. Taumarunui	3,390	39.70	1,060	280	1,340	314	2,176	23.62	310	229	23.03	10	10	42.06	13
14. Taupo	2,780	38.63	917	157	1,074	197	1,425	21.48	148	134	15.78	..	..	15.13	14
15. Tauranga	6,970	34.92	1,840	594	2,434	1,556	11,582	84.56	1,782	957	73.21	..	..	42.70	15
16. Te Aroha	2,940	38.41	802	289	1,091	470	3,345	58.60	506	385	46.38	15	27	23.72	16

(For notes, see page 17.)

TABLE VIII—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES FOR THE YEAR ENDED 31 MARCH 1955—continued

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	Number (%)	Total KIlowatts	Ratio, Number of Ranges to Domestic Consumers	Number	Total KIlowatts	Ratio, Number of Water-heaters to Total Number of Consumers	Number	Horse-power		
<b>BOROUGH COUNCILS—continued</b>															
17. Thames	5,020	34.28	1,385	336	1,721	845	5,100	61.01	746	688	43.35	3	3	68.84	17
18. Wairoa	3,680	32.49	907	292	1,199	743	5,041	81.92	711	468	59.30	..	..	41.34	18
19. Waitara	3,570	31.40	934	187	1,121	480	3,163	51.39	490	367	43.71	..	..	65.94	19
20. Whakatane	4,970	31.57	1,224	345	1,569	862	5,431	70.42	873	532	55.64	1	1	32.69	20
21. Whangarei	13,590	30.84	3,327	864	4,191	2,259	14,033	67.90	2,035	1,498	48.56	..	..	46.05	21
Totals .. .. .	107,730	32.77	28,611	6,692	35,303	15,719	105,614	54.94	16,398	13,487	46.45	694	805	30.81	
<b>TOWN BOARDS</b>															
1. Kaponga	1,880	28.62	442	90	532	241	1,636	53.79	426	375	79.18	201	330	9.96	1
2. Mangaweka	370	44.32	106	58	164	71	411	66.98	70	54	42.68	10	6	13.67	2
Totals .. .. .	2,250	30.93	548	148	696	312	2,047	56.93	496	429	71.26	211	336	10.55	
<b>COUNTY COUNCILS</b>															
1. Heathcote	4,640	27.67	1,271	13	1,284	961	5,788	75.61	1,137	1,240	88.65	9	14	15.47	1
2. Kaitiaki	1,670	30.66	394	118	512	89	238	22.59	18	36	3.52	7	9	46.54	2
3. Murchison	1,360	19.19	207	54	261	63	408	30.43	96	78	36.78	36	39	9.32	3
4. Otago	550	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Totals .. .. .	8,220	26.827	1,872	185	2,057	1,113	6,434	59.46	1,251	1,354	60.82	52	62	16.860	
<b>COMPANIES</b>															
1. Amethyst Power Ltd. <sup>1</sup>	390	..	..	..	..	..	..	..	..	..	..	..	..	..	1
2. Kaueri Electric Ltd. <sup>2</sup>	3,230	34.24	879	227	1,106	383	2,656	43.57	337	350	30.47	..	..	38.14	2
3. Wilsons (N.Z.) Portland Cement	1,480	1.82	24	3	27	36	236	150.00	70	54	259.26	15	26	0.73	3
4. Westland Power Ltd. <sup>3</sup>	3,890	20.05	706	74	780	145	958	20.54	204	215	26.15	151	190	6.55	4
Totals .. .. .	8,990	22.24 <sup>4</sup>	1,609	304	1,913	564	3,850	35.05	611	619	31.94	166	216	10.34	
<b>GRAND TOTALS</b>	<b>2,105,330</b>	<b>31.90<sup>5</sup></b>	<b>579,851</b>	<b>91,463</b>	<b>671,314</b>	<b>328,211</b>	<b>2,221,303</b>	<b>56.60</b>	<b>378,662</b>	<b>354,218</b>	<b>56.41</b>	<b>46,647</b>	<b>58,788</b>	<b>13.24<sup>6</sup></b>	

NOTES.—(1) Only ranges requiring permits for connection to electric supply, therefore not comparable with statistics published prior to 1948.  
 (2) Returns for year ended 31 December 1954.  
 (3) Excludes population of Amethyst Power Ltd.  
 (4) Excludes population of Otago County.  
 (5) Excludes population of Amethyst Power Ltd. and Otago County.  
 (6) Excludes population of Otago County.  
 (7) Excludes population of Otago County.

TABLE IX—SUMMARY OF TOTALS FROM TABLES IV, V, VI, AND VIII

No.	Item	State Hydro-electric Department	Electric-power Boards	Other Local Authorities						Companies	Total, all Supply Authorities	No.
				City Councils	Borough Councils	Town Boards	County Councils	Total				
1	Population in area of supply	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	1
2	Number of consumers	53,290	1,352,090	572,760	107,730	2,250	8,220	690,960	8,990	2,105,330	2	
3	Units generated	17,473	424,407	189,465	35,303	696	2,057	227,521	1,913	671,314	3	
4	Units sold (retail)	4,008,697,295	81,266,920	123,432,845	28,654,758	..	2,010,383	154,097,986	49,162,917 <sup>1</sup>	4,383,225,118	4	
5	Units sold (bulk plus retail)	128,543,247	2,245,656,128	990,869,921	138,927,316	3,795,751	10,298,001	1,143,890,989	22,960,059	3,541,050,423	5	
6	Route miles of lines (including service lines)	7,287	37,747	1,000,002,312	142,711,558	3,795,751	10,298,001	1,156,807,622	54,156,911 <sup>2</sup>	50,687	6	
				4,131	1,146	66	125	5,468	185			
7	Capital outlay	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	7
8	Capital outlay on transmission and distribution system <sup>3</sup>	110,790,189	35,799,890	11,940,900	1,970,446	45,924	96,459	14,053,780	329,713	160,973,581	160,973,581	8
9	Revenue (retail sales)	39,628,654	34,853,033	9,206,322	1,556,105	45,508	68,081	10,976,016	131,530	85,589,233	85,589,233	9
10	Revenue (bulk sales)	616,935	10,933,245	4,102,420	783,620	24,054	53,520	5,023,614	71,749	16,645,243	16,645,243	10
11	Revenue (retail plus bulk sales)	7,879,050	547,728	30,242	4,540	..	..	34,782	23,560	8,485,120	8,485,120	11
12	Gross revenue (excluding rates)	8,495,685	11,480,973	4,192,662	788,160	24,054	53,520	5,058,396	95,309	25,130,303	25,130,303	12
13	Gross revenue (less revenue from bulk sales, feed back and standby charges)	8,565,154	11,803,520	4,375,067	812,890	25,346	54,566	5,267,869	96,224	25,732,707	25,732,707	13
14	Working costs (including costs of generating feed back)	686,104	11,154,679	4,245,370	798,581	25,346	54,566	5,123,863	72,664	17,037,310	17,037,310	14
15	Working costs (excluding costs of generating feed back)	3,790,264	8,487,458	3,270,610	546,264	22,880	45,281	3,885,035	68,243	16,141,000 <sup>c</sup>	16,141,000 <sup>c</sup>	15
16	Capital charges	3,489,927	8,446,144	3,176,737	541,795	22,880	45,281	3,786,693	68,243	15,791,007	15,791,007	16
17	Total costs (including costs of generating feed back)	4,776,958 <sup>d</sup>	2,063,539	676,978	115,411	1,639	7,916	801,344	10,789	7,652,030	7,652,030	17
18	Total costs (excluding costs of generating feed back)	8,477,222	10,530,997	3,946,988	661,675	24,519	53,197	4,686,379	79,032	23,793,630 <sup>s</sup>	23,793,630 <sup>s</sup>	18
		8,266,885	10,599,683	3,853,115	657,206	24,519	53,197	4,588,037	79,032	23,443,637	23,443,637	

Notes.—<sup>1</sup> Includes generation by sundry private plants (see Table V). <sup>2</sup> Includes bulk sales by sundry private plants (see Table V). <sup>3</sup> Includes plant, stocks, motor-vehicles, and tools. (see Table I.A.) <sup>4</sup> Includes Supply Authorities' costs of generating feed back units and S.H.D. cost of purchase of these units from Supply Authorities. <sup>5</sup> Includes Statutory Charge £575,403.

TABLE X—STATISTICS RELATING TO ELECTRICIANS REGISTRATION BOARD FOR YEAR ENDED 31 MARCH 1955  
(The figures in parentheses are for the previous year)

1. Number of Board Meetings: 20 (25).

2. Registrations—

Inspectors  
Electricians  
Electrical servicemen  
Electrical (radio) servicemen  
Limited registrations  
3. Provisional Licences  
4. Permits to Assist  
5. Applications for Ruling on Experience

	During Year	Total	Current
	38 (29)	506 (469)	492 (469)
	220 (112)	5,750 (5,173)	5,737 (5,173)
	25 (17)	274 (198)	269 (198)
	105 (45)	624 (493)	621 (493)
	59 <sup>1</sup> (19)	812 (750)	798 (750)
	307 <sup>2</sup> (311)	561 (311)	
	235 (56)	291 (56)	
	201		
	Candidates	Passed, Per Cent.	Highest Marks
	609 (575)	46 (42)	98 (91)
	417 (494)	70 (67)	94 (94)
	337 (184)	78 (50)	97 (98)
	349 (164)	72 (66)	97 (90)

6. Examinations (2 examinations)—  
Electricians written  
Electricians practical  
Electrical servicemen and } Written  
Limited Registration } Practical

7. Defective work reports 10 (13); endorsements made, nil (1); endorsements removed, 3 (7).  
8. Breach of Act reports, 45 (38); prosecutions authorized, 38 (30).

9. Appeals, 3 (1).

10. The following analysis indicating the distribution of electricians in the various branches of the electrical industry was compiled from 5,424 applications as at 24 November 1954:

	Number	Percentage
Electricians (full time)	2,448	45.1
Electricians (part time)	304	5.6
Electrical contractors (full time)	1,122	20.7
Electrical contractors (part time)	224	4.1
Electrical Inspector	362	6.7
Technical executive position	627	11.6
Power or Sub-station Operator	76	1.4
Electrical Draughtsman	22	0.4
Not working at the trade	61	1.1
Retired	136	2.5
Incapacitated	42	0.8
	5,424	100.0

NOTES.—<sup>1</sup> Includes 4 radio experimenters; 14 New Zealand Broadcasting Service registrations; 33 refrigeration servicemen; 3 servicing calculating machines and like office appliances; 1 luminous discharge tube registration; 2 replacement fuse links, earthing of appliances, connection and replacement of flexible cords; 1 automatic telephone and impulse signalling equipment; 1 repair of Electrolux products up to and including the plug top whilst employed by Electrolux Limited.  
<sup>2</sup> Sixty-two were issued to apprentices