

NEW ZEALAND

ANNUAL STATISTICS IN RELATION TO

ELECTRIC POWER DEVELOPMENT AND OPERATION

YEAR ENDED 31 MARCH 1983

FOR DEFINITIONS OF TERMS USED SEE GLOSSARY OF TERMS—APPENDIX 1

LIST OF CONTENTS

	Page
Section A: Electricity Division (Ministry of Energy) ONLY	
(i) Summary of Operating Results	2
(ii) Summarised Profit and Loss Account and Loan Repayment	2
(iii) Summarised Balance Sheet	2
(iv) Summary of Operating Costs	2
(v) Analysis of Capital Outlay	3
Section B: Combined results of the Electricity Division (M.O.E.) and Electrical Supply Authorities	
Condensed Statistics Detailed in Subsequent Tables	5
Table I—Financial results of Generation, Distribution and Operation— (Part I)—Income; Cost of Generation and Electricity Purchased	6
(Part II)—Cost of Operation and Maintenance (Transmission and Distribution); Other Costs; Gross Expenditure; Net Results Surplus	8
Table II—Balance Sheet— (Part I)—Liabilities and Reserves	10
(Part II)—Assets	12
Table III—Analysis of Capital Expenditure during year	14
Table IV—Generation by Electricity Division, by Power Station	16
Table V—Statistics of Generating Plant; System Voltages; Distribution Substations; Length of Overhead Lines and Underground Cables	17
Table VI—Generation; Distribution; Consumption; and Demand	20
Table VII—Analysis of Consumption of Electricity— (Part I)—Domestic; Commercial; Farming	22
(Part II)—Industrial; Non-domestic; Total Retail Sales	24
(Part III)—Summary of End Use of Electricity	26
Figure 1: Map showing Supply Authority Licensed Areas	27
Table VIII—Averages Derived from Previous Tables	28
Table IX—Statistics of Population; Consumers; Licensed Area; Staff Employed	30
Table X—Statistics Relating to Electrical Registration Board	32
Appendix 1—Glossary of Terms	33
Appendix 2—Errata 1982 Statistics	34

SECTION A—ELECTRICITY DIVISION, M.O.E. ONLY

(i) SUMMARY OF OPERATING RESULTS
FOR YEAR ENDED 31 MARCH 1983

Maximum load (kilowatts)	4 139 200	Revenue— Per kWh output ¹ Per kWh sold	cents 3.0838 3.2899
Average load (kilowatts)	2 584 200	Working costs (including administration)— Per kWh output ¹ Per kWh sold	1.0879 1.1606
Annual load factor (percent)	62.43	Capital charges— Per kWh output ¹ Per kWh sold	1.5035 1.6039
Electricity output (generated and purchased)	23 637 982 398	Total costs— Per kWh output ¹ Per kWh sold	2.5914 2.7645
Electricity sold (in bulk and retail)	20 651 285 172		
Electricity unsold (internal use)	86 333 758		
Line losses (transmission and distribution)	kWh 1 900 363 468	percent 8.04	

ELECTRICITY DIVISION, M.O.E. ONLY

(ii) SUMMARISED PROFIT AND LOSS ACCOUNT FOR YEAR 31 MARCH 1983¹

Working costs ^{1,2}	\$	\$	Income—	\$	\$
Capital Charges—		267,642,707	Sales of energy ¹	712,304,243	
Interest ²	229,272,665		Rents and miscellaneous receipts ¹	13,443,181	725,747,424
Depreciation including interest on depreciation account	44,367,722	273,640,387	Net increase in General Reserve Account		127,189,629
Profit and Loss Account total		541,283,094			
Loan capital repayments		57,274,701			
Total costs (see table iv)		598,557,795			598,557,795

ELECTRICITY DIVISION, M.O.E. ONLY

(iii) SUMMARISED BALANCE SHEET AS AT 31 MARCH 1983¹

Internal Resources—	\$	\$	Completed Works	\$	\$
Depreciation Account	490,806,213		Works under construction	1,937,752,848	
General Reserve Account	770,481,074	1,261,287,287	Plant, motor vehicles and tools	1,589,300,794	22,834,970
External Resources—			Capital Outlay (see table v)		3,549,888,612
Loans	2,500,401,697		Stocks of materials	92,744,332	
Trust Accounts	21,331	2,500,423,028	Sundry debtors, etc less sundry creditors	113,177,470	5,899,901
			Cash		3,761,710,315
		3,761,710,315			

ELECTRICITY DIVISION, M.O.E. ONLY

(iv) ANALYSIS OF OPERATING COSTS FOR YEAR ENDED 31 MARCH 1983¹

	Working Costs (a)	Administration Costs (b)	Capital Charges (c)	Total Costs (d)	Total Cost per kWh	
					Output ¹ (e)	Sold (f)
	\$	\$	\$	\$	cents	cents
Hydro-electric stations	29,988,496	14,460,054	180,775,474	225,224,024	1.3003	
Thermal stations	117,898,006	18,625,952	89,496,587	226,020,545	3.9258	
Power purchased	559,719	11,194		570,913	3.0016	
Generated and purchased	148,446,221	33,097,200	270,272,061	451,815,482	1.9561	2.0868
Transmission lines	21,142,948	10,585,512	41,245,386	72,973,846	0.3159	0.3370
Substations	14,384,217	7,201,659	31,227,048	52,812,924	0.2286	0.2439
Communications	3,386,674	1,695,585	2,168,681	7,250,940	0.0314	0.0335
Retail distribution	2,419,636	2,231,971	2,362,646	7,014,253	0.0304	0.0324
System operation and testing	4,458,260	2,232,090		6,690,350	0.0290	0.0309
TOTALS:	194,237,956	57,044,017	347,275,822	598,557,795	2.5914	2.7645
Administration (ref. column b)	57,044,017					
	251,281,973					
		SUMMARY				
			Working costs	194,237,956	0.8409	0.8971
			Administration	57,044,017	0.2470	0.2635
			Capital Charges	347,275,822	1.5035	1.6039
			Total costs	598,557,795	2.5914	2.7645

¹Information published in this table differs from that published in the Electricity Division's section of the Ministry of Energy Annual Report. This is to maintain consistency between the Electricity Division and Supply Authority treatment of purchases and sales by the Electricity Division for both quantity (kWh) and value (\$). ²Does not agree with table iv or Table I (Part I and II) as losses on foreign currency realignments are shown in the Profit and Loss Account in accordance with the New Zealand Society of Accountants' requirements. ³Excludes output by Huntly Power Station still under construction.

ELECTRICITY DIVISION, M.O.E. ONLY

(v) ANALYSIS OF CAPITAL OUTLAY AS AT 31 MARCH 1983—*continued*

	Headworks	Station Buildings and Villages	Generating Plant and Machinery	Total	Grand Total
	<i>Works under construction</i>				
	\$	\$	\$	\$	\$
Hydro-electric stations—					
Tongariro scheme incl. Rangipo	293,128,188	1,157,459	23,224,344	317,509,991	
Upper Waitaki	138,468,372	36,540,686	66,763,061	241,772,119	
Clyde	90,780,748	42,550,680	2,875,858	136,207,286	
Other stations	438,445	1,691,649	659,396	2,789,490	
	<u>522,815,753</u>	<u>81,940,474</u>	<u>93,522,659</u>		<u>698,278,886</u>
Thermal stations—					
Fuel handling Equipment					
Huntly	82,122,290	143,250,674	417,493,026	642,865,990	
Other stations	9,512,682	(4,904,092)	3,054,991	7,663,581	
	<u>91,634,972</u>	<u>138,346,582</u>	<u>420,548,017</u>		<u>650,529,571</u>
Transmission system—					
Line depot (not associated with Power Stations or Substations)				760,926	
33 kV a.c.				2,006	
50 kV a.c.				6,355,232	
66 kV a.c.				1,012,438	
110 kV a.c.				90,927,132	
220 kV a.c.				297,220	
500 kV d.c. (submarine cables)					99,354,954
Substations—					
11 kV				2,312,106	
33 kV				125,385	
50 kV				5,230,700	
66 kV				11,086,637	
110 kV				49,544,658	
220 kV				13,653	
500 kV d.c. (converter station)					68,313,139
Communications system					15,461,939
Distribution system					600,385
Offices, stores, land, and buildings					9,306,869
Surveys, and investigations of other schemes					47,455,051
Total works under construction					<u>1,589,300,794</u>
Plant, motor vehicles, and tools					<u>22,834,970</u>
TOTAL CAPITAL OUTLAY					<u>3,349,888,612¹</u>

¹No longer includes stocks of materials due to change in accounting policy

**SECTION B: COMBINED RESULTS OF THE ELECTRICITY DIVISION (M. O.E.) AND ELECTRICAL
SUPPLY AUTHORITIES FOR THE YEAR ENDED 31 MARCH 1983**

Condensed Statistics Detailed In Subsequent Tables

No.			Hydro	Steam	Oil/Gas	Total	No.
1	Generating stations	No.	71	4	7	82	1
2	Installed capacity	MW.	3 992.2	1 135.0	692.5	5 819.8	2
3	Generation	GWh	17 987.1	5 636.2	678.0	24 301.3	3
4	Maximum load	MW.				4 269.9	4
5	Retail sales of electricity	GWh				21 370.8	5
6	Consumers	No.				1 396 783	6
7	Population (mean) ¹	No.				3 230 000	7
8	Population (total) ¹	No.				3 192 100	8
9	Capital expenditure less depreciation	\$(m)				4,116.1	9
10	Income from retail sales of electricity	\$(m)			1,042.7		10
11	Other general income	\$(m)			36.2		11
12	Appliance sales and servicing income	\$(m)			43.1		12
13	Gross Income	\$(m)				1,122.0	13
14	Cost of electricity purchased from non-supply industry sources	\$(m)		0.5			14
15	Generation expenditure	\$(m)		390.7			15
16	Total cost of electricity	\$(m)			391.2		16
17	Other supply expenditure	\$(m)			396.9		17
18	Appliance sales and servicing expenditure	\$(m)			41.3		18
19	Gross expenditure	\$(m)				829.4	19
20	Net results surplus	\$(m)				292.6	20
21	Income from retail sales of electricity per kWh sold retail	c.				4.879	21
22	Gross income per kWh sold retail	c.				5.250	22
23	Total cost of electricity per kWh sold retail	c.				1.831	23
24	Gross expenditure per kWh sold retail	c.				3.881	24
25	Generation per head of mean population	kWh				7 613	25
26	Generation per head of total population	kWh				7 524	26
27	Retail sales of electricity per head of mean population	kWh				6 695	27
28	Retail sales of electricity per head of total population	kWh				6 616	28
29	Retail sales of electricity per total consumers	kWh				15 300	29
30	Electrical fires reported during year	No.				39	30
31	Electrical accidents during year (fatal)	No.				14	31

¹Provisional

TABLE I (PART D)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1983

No.	Supply Authorities	Income										Cost of Electricity					Total	No.
		General Income			Sales of Electricity	Appliance Sales and Servicing Income	Gross Income	Loan Interest	Depreciation	Operation and Maintenance ¹	Total	Purchased	Total					
		Retail	Bulk for Resale	Other Sources										Total General Income				
					\$	\$	\$	\$	\$	\$	\$	\$	\$		\$	\$		
1	Electricity Division ¹	98,454,100	613,850,143	13,443,181	725,747,424	...	725,747,424	189,429,855	36,672,568	147,886,502	373,988,925	559,719	374,548,644	1				
Government Department																		
1	Southland ²	...	...	...	...	...	...	...	...	...	...	...	...	...
Power Boards and Related Authorities:																		
1	Ashburton	9,215,708	...	85,691	9,301,399	1,588,776	10,890,175	344,025	58,378	34,307	436,710	5,014,329	5,451,039	1				
2	Auckland	142,017,428	...	3,914,684	145,932,112	674,759	146,606,871	...	...	...	...	111,658,187	111,658,187	2
3	Bay of Islands	10,279,189	...	528,900	10,808,089	30,680	10,838,769	...	...	...	...	6,267,202	6,267,202	3
4	Bay of Plenty	17,874,912	1,443,842	580,383	19,899,137	1,214,564	21,113,701	3,698,316	746,330	440,786	4,885,432	10,545,052	15,430,464	4				
5	Buller	3,217,460	...	78,488	3,295,948	405,222	3,701,170	...	...	...	...	2,288,798	2,288,798	5
6	Cambridge	4127,289	...	151,617	4,278,906	...	4,278,906	...	...	...	...	2,756,856	2,756,856	6
7	Central Canterbury	19,870,811	16,817	463,481	20,351,109	777,760	21,128,869	...	...	...	...	13,212,526	13,212,526	7
8	Central Hawke's Bay	4,033,078	2,486	60,486	4,093,564	104,128	4,197,692	...	...	...	...	2,592,371	2,592,371	8
9	Central Waikato	27,371,588	...	76,748	27,450,822	613,736	28,064,558	...	...	...	...	16,114,035	16,114,035	9
10	Dannevirke	3,805,509	...	23,231	3,828,740	444,476	4,273,216	...	...	...	...	2,216,732	2,216,732	10
11	Egmont	8,802,748	...	69,161	8,871,909	...	8,871,909	...	3,405	40,868	44,273	5,432,853	5,477,126	11				
12	Franklin	10,868,495	19,628	198,435	11,086,558	410,758	11,497,316	...	...	...	...	7,188,081	7,188,081	12
13	Hawke's Bay	40,473,887	2,594,778	1,111,658	44,180,323	1,783,073	45,963,396	...	...	...	...	30,949,005	30,949,005	13
14	Horowhenua	15,581,691	...	398,271	15,979,962	1,342,476	17,322,438	...	...	...	...	9,135,529	9,135,529	14
15	Hutt Valley	55,219,766	...	1,633,834	56,853,600	2,119,984	58,973,584	...	...	...	...	36,270,733	36,270,733	15
16	King Country	6,817,587	666,974	265,267	7,749,828	239,917	7,989,745	57,755	36,267	99,674	193,696	5,805,135	5,998,831	16				
17	Manawatu-Oroua	16,708,792	6,786,236	215,749	23,710,777	597,036	24,307,813	...	...	...	...	16,564,860	16,564,860	17
18	Marlborough	9,256,021	...	337,975	9,593,996	95,766	9,689,762	...	15,169	126,017	141,186	5,101,041	5,242,227	18				
19	North Auckland	15,131,305	3,177,387	316,688	18,625,380	18,625,380	18,625,380	...	...	...	...	12,660,745	12,660,745	19
20	North Canterbury	10,949,066	744,643	130,130	11,823,839	1,318,253	13,142,092	...	...	...	...	6,859,421	6,859,421	20
21	Otago	9,305,187	185,346	97,297	9,402,484	1,466,702	10,869,186	...	...	...	...	5,712,047	5,712,047	21
22	Otago Central	8,097,046	...	153,220	8,435,612	2,149,562	10,585,174	412,474	220,733	410,059	1,043,266	2,756,483	3,799,749	22				
23	Poverty Bay	12,993,245	...	274,226	13,267,471	523,969	13,791,440	...	...	...	...	7,458,412	7,458,412	23
24	Rotorua	14,419,244	17,060	638,964	15,075,268	15,075,268	15,075,268	...	...	...	...	9,654,421	9,654,421	24
25	South Canterbury	13,185,579	3,931,835	621,585	17,738,999	2,170,173	19,909,172	...	...	...	...	12,015,245	12,015,245	25
26	Taranaki	9,161,690	...	144,708	9,306,398	122,263	9,306,398	...	36,014	194,812	230,826	4,971,123	5,201,949	26				
27	Taranaki	2,976,873	...	14,140	2,991,013	3,113,276	3,113,276	...	...	...	...	1,592,847	1,592,847	27
28	Tasman	15,265,326	3,600,537	211,628	19,077,491	1,948,303	21,025,794	1,244,319	385,072	1,269,002	2,898,393	12,990,309	12,990,309	28				
29	Tauranga	18,634,047	1,764,491	332,836	20,731,374	20,731,374	20,731,374	...	...	...	...	9,628,695	12,527,088	29
30	Te Awamutu	5,483,876	887	98,997	5,583,760	...	5,583,760	...	...	...	...	3,374,633	3,374,633	30
31	Thames Valley	45,238,794	1,237,818	242,074	46,718,686	46,718,686	46,718,686	...	...	...	...	34,551,448	34,551,448	31
32	Waikato	11,582,569	764,035	174,661	11,707,230	1,271,851	12,979,081	...	8,220	68,074	76,294	6,732,709	6,809,003	32				
33	Waikato	1,899,782	...	51,212	1,950,994	393,500	3,108,529	...	...	...	...	1,907,953	1,907,953	33
34	Waikato	8,047,599	...	371,092	8,418,691	1,667,755	10,086,446	...	...	...	...	4,715,907	4,715,907	34
35	Waitemata	65,873,717	...	3,020,593	68,894,310	1,004,925	69,899,235	...	16,284	76,184	92,468	42,643,603	42,736,071	35				
36	Waitemata	6,935,458	...	84,177	7,019,635	540,198	7,559,833	308,012	175,368	160,673	644,053	3,795,773	4,439,826	36				
37	Wanganui-Rangitikei	18,625,603	1,926	405,259	19,030,862	3,289,175	22,320,037	1,131,292	446,148	349,287	1,926,727	12,963,774	12,975,872	37				
38	West Coast	8,037,347	...	1,037,466	9,076,739	1,542,751	10,619,490	...	...	...	...	2,204,704	4,131,431	38
		707,385,312	26,956,726	18,565,312	752,907,350	31,408,015	784,315,365	7,196,193	2,148,426	3,280,803	12,625,422	488,303,557	500,928,979					

TABLE I (PART I)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Income										Cost of Electricity						Total	No.
		Sales of Electricity		General Income		Total General Income	Appliance Sales and Servicing Income	Gross Income	Loan Interest	Depre- ciation	Operation and Maintenance ¹	Total	Purchased	Total					
		Retail	Bulk for Resale	Other Sources															
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$					
<i>Territorial Authorities:</i>																			
1	Bluff	872,089		180	872,269	266,505	1,138,774					643,015			643,015	1			
2	Christchurch	70,329,932	314	584,099	70,914,345	4,200,019	75,114,364					51,083,152			51,083,152	2			
3	Dunedin	35,311,379		974,670	36,486,049	1,245,901	37,731,950					16,631,172			16,631,172	3			
4	Hamilton	9,069,094		285,402	9,354,456	3,475	9,357,931					5,352,274			5,352,274	4			
5	Hastings	2,253,690		171,510	2,425,200		2,428,675					1,776,132			1,776,132	5			
6	Invercargill	11,702,334	369,290	71,181	12,142,805		12,142,805					8,398,931			8,398,931	6			
7	Kaipoi	1,135,571		18,117	1,153,688	461,732	1,615,420					744,643			744,643	7			
8	Lytelton	945,558		12,186	957,744	171,105	1,128,849					576,934			576,934	8			
9	Napier	4,976,784		378,435	5,355,209	668,019	6,023,228					2,594,778			2,594,778	9			
10	Nelson	6,075,947		88,335	6,164,282		6,164,282					3,600,536			3,600,536	10			
11	New Plymouth	13,627,931		90,834	13,718,765	2,715,129	16,433,894					7,900,602			7,900,602	11			
12	Palmerston North	9,960,391		86,130	10,046,521		10,046,521					6,786,377			6,786,377	12			
13	Riccarton	2,643,584		57,786	2,701,370	273,218	2,974,588					1,765,648			1,765,648	13			
14	Taumarunui	1,080,392	237	64,615	1,145,244		1,145,244	24,804				671,506			671,506	14			
15	Taupo	6,641,192		375,533	7,016,725		7,016,725	634,753				3,270,053			3,270,053	15			
16	Tauranga	2,820,421		109,390	2,929,811		2,929,811					1,764,647			1,764,647	16			
17	Thames-Coromandel	1,600,893		26	1,600,919	28,044	1,628,963					1,232,805			1,232,805	17			
18	Timaru	5,672,872		119,692	5,792,564	272,432	6,064,996					3,931,835			3,931,835	18			
19	Wairoa	1,174,643		20,333	1,194,996		1,194,996					764,035			764,035	19			
20	Wellington	40,987,862		639,248	41,647,110	1,428,337	43,075,447					28,732,042			28,732,042	20			
21	Whakatane	2,393,425		43,723	2,437,148		2,437,148					1,459,642			1,459,642	21			
22	Whangarei	5,340,844		5,165	5,346,009		5,346,009					3,175,681			3,175,681	22			
	Totals	236,816,788	369,841	4,216,600	241,403,229	11,733,916	253,137,145	659,557	1,229,830	2,170,813	4,060,200	152,856,440			156,916,640				
	Less bulk for resale	1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,719,716			1,032,394,263				
	NET INCOME AND COST	1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,338,118	390,674,547	641,176,710			641,176,710				
		1,042,656,200	641,176,710	36,225,093	1,720,058,003	43,141,931	1,763,199,934	197,285,605	40,050,824	153,33									

TABLE I (PART II)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1983

No.	Supply Authorities	Expenditure										Gross Expenditure	Net Results Surplus	No.	
		Cost of Electricity			Operation and Maintenance			Supply Expenditure and Charges			Appliance Sales and Servicing Expenditure				
		Transmission and Distribution	Properties Plant and Equipment*	Consumer-related Costs†	Total	Administration and General	Loan Interest	Depreciation	Total Supply Expenditure						
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1	Electricity Division ¹	374,548,644	45,861,817	279,169	4,834	46,145,820	56,689,932	56,203,544	7,695,154	541,283,094	541,283,094	184,464,330	1		
Government Department															
1	Southland ²														
Power Boards and Related Authorities:															
1	Ashburton	5,451,039	611,006	87,014	100,030	798,050	634,997	364,970	600,376	7,849,432	1,473,544	9,322,976	1		
2	Auckland	111,658,187	11,400,255	2,804,590	1,509,934	15,714,779	6,865,227	2,441,097	5,810,982	142,490,272	641,949	143,132,221	2		
3	Bay of Islands	6,267,202	974,808	150,733	97,611	1,223,152	787,107	394,382	730,639	9,402,482	29,173	9,431,655	3		
4	Bay of Plenty	15,430,464	1,103,084	458,031	165,064	1,726,199	1,192,098	310,661	617,450	19,276,872	1,139,893	20,416,765	4		
5	Buller	2,288,798	219,786	39,726	42,403	301,915	277,074	49,923	120,907	3,038,617	392,241	3,430,858	5		
6	Cambridge	2,756,856	317,327	81,524	398,851	398,851	230,354	8,146	174,293	3,568,500	757,616	3,568,500	6		
7	Central Canterbury	13,212,526	1,543,132	441,974	151,744	2,136,850	1,515,315	124,380	939,431	17,928,902	1,793,822	18,686,518	7		
8	Central Hawke's Bay	2,592,371	339,025	14,226	21,844	375,095	346,242	119,623	208,191	3,641,522	3,641,522	3,641,522	8		
9	Central Waikato	16,114,035	2,496,893	288,287	207,359	2,992,541	2,302,848	821,100	1,461,328	23,691,852	98,023	23,789,875	9		
10	Dannevirke	2,216,732	292,792	33,222	35,491	361,506	324,269	69,458	229,569	3,201,534	577,851	3,779,385	10		
11	Egmont	5,477,126	1,043,481	122,444	146,520	1,312,445	950,610	27,611	347,305	8,115,097	441,192	8,115,097	11		
12	Franklin	7,188,081	1,140,507	148,773	129,691	1,418,971	1,198,755	212,180	489,073	10,624,483	872,833	10,624,483	12		
13	Hawke's Bay	30,949,005	1,930,462	283,449	283,572	2,497,483	1,872,171	692,412	1,756,082	37,467,153	1,663,496	39,130,649	13		
14	Horowhenua	9,135,529	2,120,449	203,572	276,550	2,600,571	1,175,488	505,769	816,714	14,234,071	1,209,926	15,443,997	14		
15	Hutt Valley	36,270,733	5,864,165	734,880	953,793	7,572,838	4,632,042	1,287,238	1,780,700	51,543,551	2,071,122	53,614,673	15		
16	King Country	5,998,831	562,929	91,941	111,641	766,511	416,647	40,481	213,283	7,435,753	241,411	7,677,164	16		
17	Manawatu-Oroua	16,564,860	1,501,852	145,031	150,641	1,797,524	1,198,755	162,573	389,406	20,580,391	576,711	21,157,102	17		
18	Marlborough	5,242,227	1,329,042	59,555	192,659	1,581,256	616,130	370,210	427,152	8,472,152	83,235	8,555,387	18		
19	North Auckland	12,660,745	976,728	713,140	75,121	1,764,989	1,393,165	520,757	1,057,724	17,397,380	17,397,380	17,397,380	19		
20	North Canterbury	6,859,421	1,111,564	148,928	196,309	1,456,801	879,760	551,444	619,467	10,366,893	1,216,410	11,583,303	20		
21	Otago	5,712,047	1,000,173	95,670	114,344	1,210,187	677,245	372,074	401,215	8,272,768	1,439,753	9,712,521	21		
22	Poverty Bay	3,799,749	764,673	89,579	50,108	904,360	693,880	312,016	389,406	6,099,411	2,089,076	8,188,487	22		
23	Rotorua	7,458,412	1,903,956	296,620	138,592	2,339,168	1,116,631	370,210	578,817	11,863,238	500,354	12,363,592	23		
24	South Canterbury	9,654,421	1,371,691	176,567	144,575	1,692,933	1,209,008	182,561	459,275	13,198,198	2,115,852	15,314,050	24		
25	Taranaki	12,015,245	1,664,065	319,728	32,249	2,016,042	1,148,116	238,321	647,630	16,065,354	2,115,852	18,181,206	25		
26	Tairāhaki	5,201,949	869,820	97,589	79,760	1,047,169	625,742	99,508	537,034	7,511,402	7,511,402	7,511,402	26		
27	Tairāhaki	1,592,847	301,394	39,652	42,639	383,685	338,399	106,429	196,388	2,617,748	104,322	2,722,070	27		
28	Tairāhaki	12,990,309	1,052,411	192,071	174,519	1,419,001	1,334,347	523,257	937,011	17,203,925	1,933,977	19,137,902	28		
29	Tairāhaki	12,527,088	1,448,674	450,600	291,585	2,190,859	1,053,830	614,077	936,565	17,322,419	17,322,419	17,322,419	29		
30	Te Awamutu	3,374,633	393,141	77,168	121,343	591,652	396,729	1,050	257,036	4,621,100	4,621,100	4,621,100	30		
31	Thames Valley	34,551,448	3,122,124	731,343	234,219	4,087,686	2,150,433	1,005,459	1,393,685	43,188,711	1,267,549	43,188,711	31		
32	Waikato	6,809,003	1,082,559	260,476	242,948	1,585,983	917,733	830,399	834,436	10,977,574	1,267,549	12,245,123	32		
33	Waikato	1,907,953	209,559	28,732	32,230	270,521	264,310	43,860	91,723	2,578,367	354,011	2,932,378	33		
34	Waikato	4,715,907	758,467	201,605	152,364	1,112,436	637,060	155,403	71,487,28	8,702,048	1,553,320	10,255,368	34		
35	Waikato	42,736,071	5,005,549	1,484,792	568,039	7,058,380	3,933,516	2,081,731	2,833,237	58,641,935	1,037,635	59,679,570	35		
36	Waikato	4,439,826	649,213	91,789	72,244	813,246	562,770	116,857	555,171	6,487,870	542,209	7,030,079	36		
37	Wanganui-Rangitikei	12,975,872	2,101,450	457,685	168,097	2,727,232	1,282,631	244,484	702,016	18,022,235	3,065,743	21,087,978	37		
38	West Coast	4,131,431	853,714	257,719	158,166	1,269,599	837,306	413,490	542,527	7,194,353	1,542,379	8,736,732	38		
		500,928,979	61,431,923	12,420,545	7,665,998	81,518,466	47,364,171	16,728,126	32,361,311	678,901,053	30,159,973	709,061,026	75,254,339		

TABLE I (PART II)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Expenditure													Net Results Surplus	No.	
		Cost of Electricity		Operation and Maintenance					Supply Expenditure and Charges					Appliance Sales and Servicing Expenditure			Gross Expenditure
		Transmission and Distribution	Properties Plant and Equipment ¹	Consumer-related Costs ²	Total	Administration and General	Loan Interest	Depreciation	Total Supply Expenditure	Appliance Sales and Servicing Expenditure	Gross Expenditure						
												\$	\$	\$			\$
<i>Territorial Authorities:</i>																	
1	Bluff	643,015	162,248	6,782	169,030	54,173	1,923	868,141	247,845	1,115,986	22,788	1					
2	Christchurch	51,083,152	3,381,023	1,033,566	945,682	3,400,978	508,190	63,253,546	4,034,166	67,287,712	7,826,652	2					
3	Dunedin	19,206,891	3,391,900	300,205	259,567	2,953,619	121,522	27,571,704	1,206,146	28,777,850	8,954,100	3					
4	Hamilton	5,332,274	1,148,512	127,169	1,470,781	1,124,290	33,350	7,947,645	3,611	7,947,645	1,406,811	4					
5	Heathcote	1,776,132	14,830	18,023	4,394	279,588	37,247	2,126,317	3,611	2,129,928	298,747	5					
6	Invercargill	8,398,931	1,017,221	104,245	145,225	568,094	187,978	10,752,579	414,289	10,752,579	1,390,226	6					
7	Kaupo	744,643	25,168	4,578	32,572	176,180	14,347	1,004,988	179,697	1,419,277	196,143	7					
8	Lytelton	576,934	164,817	3,056	14,663	112,231	871,701	77,451	1,051,398	1,051,398	77,451	8					
9	Napier	2,594,778	393,832	80,620	375,882	522,746	250,079	4,472,959	606,633	5,079,592	943,636	9					
10	Nelson	3,600,536	648,618	142,058	65,719	468,073	111,512	5,188,934	...	5,188,934	975,348	10					
11	New Plymouth	8,155,442	1,414,279	176,722	233,215	1,007,089	104,910	11,666,003	2,462,356	14,128,359	2,305,535	11					
12	Palmerston North	6,799,463	1,126,399	95,643	1,345,660	894,939	58,108	9,320,395	222,225	9,320,395	726,126	12					
13	Riccarton	1,765,648	176,203	3,398	72,966	283,202	63,898	2,378,417	11,102	2,629,767	344,821	13					
14	Taumarunui	743,379	113,721	4,817	13,702	139,717	300,428	1,020,357	...	1,020,357	124,887	14					
15	Taupo	4,387,736	473,198	110	46,065	1,022,068	300,428	6,509,043	279,438	6,509,043	507,682	15					
16	Tauranga	1,789,646	119,944	14,582	43,302	319,304	19,308	2,306,086	...	2,306,086	623,725	16					
17	Thames-Coromandel	1,232,805	123,639	11,916	45,028	149,624	...	1,589,935	26,923	1,615,009	13,954	17					
18	Timaru	3,931,835	235,343	66,777	150,295	472,359	101,800	5,132,276	173,867	5,399,306	665,690	18					
19	Wairoa	764,035	105,465	13,678	16,600	131,107	6,705	1,070,165	32,375	1,070,165	134,831	19					
20	Wellington	28,732,042	3,074,741	1,056,073	601,588	2,836,444	425,145	31,641,679	915,646	39,043,233	4,032,214	20					
21	Whakatane	1,459,642	112,315	19,945	18,400	295,673	375	1,998,960	92,610	1,998,960	438,188	21					
22	Whangarei	3,175,681	274,987	4,137	63,553	876,852	...	4,435,330	40,120	4,435,330	910,679	22					
Totals		156,916,640	17,700,403	3,290,100	3,467,136	24,457,639	2,309,578	209,127,160	7,354,653	11,099,751	32,910,234						
Less bulk for resale		1,032,394,263	124,994,143	15,989,814	11,137,968	152,121,925	75,241,248	1,429,311,307	47,411,118	41,259,724	292,628,903						
NET EXPENDITURE		391,217,553	124,994,143	15,989,814	11,137,968	152,121,925	75,241,248	788,134,597	47,411,118	41,259,724	292,628,903						

NOTES: ¹Included with the Electricity Division. ²As for note 6, Table VI, and as a result the operations of the Tauranga Joint Generation Committee have been included with the Tauranga Electric Power Board. ³Cost of maintenance of plant, equipment, buildings and properties. ⁴Cost of recoverable street lighting maintenance, and non-recoverable costs of inspecting consumers' premises and appliance testing.

TABLE II (PART I)—ANALYSIS OF LIABILITIES AND RESERVES FOR THE YEAR ENDED 31 MARCH 1983

No.	Supply Authorities	Liabilities						Reserves						Total	No.	
		Public Debt (excl. Home Insulation and Solar Installation Loans)			Sundry Creditors (incl. Home Insulation and Solar Installation Loans)	Non-capital Reserves			Accumulated Retained Surplus*	Total	No.					
		Loans Raised During Year	Loans Repaid During Year			Capital Reserves	Sinking Funds and Reserves for Future Loan Repayments	Other Reserves				Total				
			From Redemption Funds	From Internal Sources and Sinking Funds												
Gross Loan Liability as at 31 March		From Internal Sources and Sinking Funds		Capital Reserves		Sinking Funds and Reserves for Future Loan Repayments		Other Reserves				Total				
1	Electricity Division ¹	132,272,374 ¹	57,274,701	2,500,401,697	40,428,483								770,481,074 ²	3,311,311,254	1	
Government Department																
1	Southland ²															1
Power Boards and Related Authorities:																
1	Ashburton	2,005,137		8,197,243	1,558,797	7,384,238	862,960	242,105	1,105,065	2,787,569	21,032,912	2				2
2	Auckland	4,475,030	4,418,961	24,392,937	21,967,711	104,574,563	1,145,536	7,360,436	8,505,972	3,851,917	163,493,100	3				3
3	Bay of Islands	740,000	904,996	5,513,422	1,823,877	9,116,629	2,200,000		2,200,000	25,275	18,679,203	4				4
4	Bay of Plenty	474,800	1,197,703	29,468,004	4,713,959	8,009,398	1,664,285	516,799	2,181,084	2,541,165	46,913,610	5				5
5	Buller		49,790	624,693	769,845	1,740,853	277,993	226,995	504,988	533,154	4,173,533	6				6
6	Cambridge		41,000	65,000	789,846	3,893,789	24,937	333,095	359,032	888,825	5,996,492	7				7
7	Central Canterbury		450,827	1,074,759	3,614,021	18,707,392	569,538	638,211	1,207,749	3,524,828	28,128,749	8				8
8	Central Hawke's Bay		1,511,419	8,398,873	676,105	3,440,075	219,550	172,375	391,925	524,886	6,184,410	9				9
9	Central Waikato		576,975	703,127	3,836,898	19,660,065	2,724,038	494,050	3,218,088	2,840,158	37,954,082	10				10
10	Dannevirke		13,112		670,217	3,889,320	144,892	161,387	306,279	344,328	5,913,271	11				11
11	Egmont	19,898,600	187,725	45,100,110	3,833,889	7,483,438	107,693	131,881	239,574	963,433	57,720,444	12				12
12	Franklin	500,000	375,798	2,611,024	1,668,807	6,912,569	819,158	1,217,056	2,036,214	1,536,767	14,765,381	13				13
13	Hawke's Bay	1,303,840	807,272	6,978,425	7,275,643	23,665,096	1,783,494	3,701,863	5,485,357	3,350,681	46,753,202	14				14
14	Horowhenua	214,350	1,009,725	4,436,232	2,278,440	12,693,018	1,494,699	577,036	2,071,735	1,363,678	22,843,103	15				15
15	Hutt Valley	2,168,950	2,276,659	12,970,918	11,375,630	34,016,197	978,609	7,101,017	8,079,626	2,977,100	69,419,471	16				16
16	King Country		59,497	1,325,012	1,627,345	1,864,357	98,759	2,472,437	2,571,196	1,535,252	8,923,162	17				17
17	Manawatu-Oroua	22,560	35,977	1,832,036	4,205,219	13,183,776	694,787	2,743,125	3,437,912	3,225,250	25,884,213	18				18
18	Marlborough	10,626,086	409,439	20,749,067	2,518,256	7,871,046	590,729	468,419	1,059,148	937,728	33,135,245	19				19
19	North Auckland	2,356,600	805,839	7,925,914	3,607,191	16,201,439	1,696,479	616,310	2,312,789	1,478,293	31,525,626	20				20
20	North Canterbury	630,600	94,220	5,574,888	1,817,191	7,642,556	807,541	21,440	828,981	1,125,134	16,988,750	21				21
21	Otago	10,595,600	253,058	17,594,859	1,867,198	7,659,328	607,541	656,849	1,264,390	1,591,662	29,977,637	22				22
22	Otago Central	1,547,324	122,788	9,131,981	703,397	6,233,926	440,442	1,257,130	1,697,572	3,246,212	21,035,088	23				23
23	Poverty Bay	457,200	294,516	4,153,344	1,477,795	8,530,904	179,460	89,406	218,866	886,331	15,267,240	24				24
24	Rotorua	13,023,600	123,023	33,372,532	3,655,114	6,613,019	788,622	101,600	890,222	4,016,479	48,547,366	25				25
25	South Canterbury	500,000	178,146	3,011,800	2,336,894	12,162,158	704,840	721,663	1,426,503	2,858,356	21,785,711	26				26
26	Taranaki	600,000	65,123	1,434,434	1,137,739	9,257,344	27,436	1,642,262	1,669,698	1,447,604	14,946,819	27				27
27	Tararua	179,500	48,550	1,085,971	469,714	2,784,846	153,391	6,287	159,678	206,028	4,706,237	28				28
28	Tasman	872,400	665,907	4,691,107	2,705,975	12,034,770	332,490	775,797	1,108,287	2,274,044	22,814,183	29				29
29	Tauranga*	8,440,487	1,349,753	50,708,239	5,461,625	20,016,464	468,332	278,744	747,076	2,336,877	79,270,281	30				30
30	Te Awamutu			20,000	1,174,660	5,318,916	19,667	300,022	319,689	517,678	7,350,943	31				31
31	Thames Valley	1,400,000	779,885	10,469,697	9,327,135	15,113,717	3,118,697	477,866	3,596,563	4,021,694	42,528,806	32				32
32	Waikato	1,153,420	589,887	8,576,697	2,850,650	3,585,872	890,549	80,858	890,549	1,169,232	17,073,000	33				33
33	Waikare	5,004,400	16,943	6,574,999	481,476	1,474,970	151,639	861,766	1,013,405	500,739	9,113,042	34				34
34	Waikato	209,370	87,615	1,253,085	1,525,737	7,892,896	5,882,423	5,219,408	11,101,831	1,618,027	90,562,572	35				35
35	Waitemata	3,182,470	2,085,746	21,352,136	10,678,020	35,812,558						36				36
36	Waitemata	3,080,423	399,625	6,215,200	1,133,671	7,924,376	598,349		598,349	1,374,132	17,245,728	37				37
37	Waitemata	407,600	542,940	2,551,108	2,705,484	12,120,335	770,734	1,545,316	2,316,050	3,325,880	23,018,857	38				38
38	West Coast	377,528	704,112	13,228,412	1,499,609	8,143,610	1,739,401	436,966	2,176,367	1,011,451	26,059,449					
		97,564,915	2,797,670	22,253,648	131,910,780	494,632,023	35,730,690	43,647,977	79,378,667	80,063,957	1,170,724,151					

TABLE II (PART II)—ANALYSIS OF ASSETS FOR THE YEAR ENDED 31 MARCH 1983

No.	Supply Authorities	Assets							Accumulated Deficit ¹	Total	No.
		Capital Expenditure less Depreciation ¹	Stocks and Materials (non-loan) ²	Sundry Debtors	Non-loan Cash and Investments	Loan Cash, Stock and Investments					
		\$	\$	\$	\$	\$	\$	\$	\$		
1	Electricity Division ¹	3,059,082,399	92,744,332	153,584,622	3,100,000	2,799,901			3,311,311,254	1	
<i>Government Department</i>											
1	Southland ²	...	...	...	...	...	...	...	...	...
<i>Power Boards and Related Authorities:</i>											
1	Ashburton	15,581,482	2,294,669	1,651,158	1,505,603	288,700			21,032,912	1	
2	Auckland	119,400,090	7,464,657	9,058,174	27,281,479	1,495,890			163,493,100	2	
3	Bay of Islands	13,276,512	102,260	944,198	2,860,343	400,000			18,679,203	3	
4	Bay of Plenty	37,107,466	1,256,063	2,371,014	5,779,067	32,804			46,913,610	4	
5	Buller	2,332,847	401,701	531,057	875,124				4,117,533	5	
6	Cambridge	3,958,789	...	348,252	1,324,319	365,132			5,996,492	6	
7	Central Canterbury	19,780,279	2,148,283	1,993,198	4,205,930	1,059			28,128,749	7	
8	Central Hawke's Bay	4,511,661	442,769	297,881	852,266	79,833			6,184,410	8	
9	Central Waikato	27,992,206	2,206,972	4,028,666	3,659,505	66,733			37,954,082	9	
10	Dannevirke	4,548,449	550,793	437,339	376,690				5,913,271	10	
11	Egmont	55,988,109	762,319	605,577	364,439	569,758			57,720,444	11	
12	Franklin	9,192,523	1,119,560	1,336,570	2,576,970	2,018,818			14,765,381	12	
13	Hawke's Bay	30,624,804	2,944,797	5,202,530	5,964,253	2,219,034			46,755,202	13	
14	Horowhenua	16,404,914	1,452,450	2,028,479	738,236				22,843,103	14	
15	Hutt Valley	43,206,020	3,883,620	5,873,530	16,456,301				69,419,471	15	
16	King Country	2,639,369	632,516	1,345,662	3,508,529	597,086			8,923,162	16	
17	Manawatu-Oroua	15,015,832	1,406,922	4,304,994	3,156,465				25,884,213	17	
18	Marlborough	28,432,914	1,066,187	2,051,987	1,228,710	55,447			33,135,245	18	
19	North Auckland	24,151,408	1,268,618	2,515,285	3,527,474	62,831			31,525,626	19	
20	North Canterbury	13,215,444	1,188,452	1,751,283	831,571	2,000			16,988,750	20	
21	Otago	25,158,349	1,604,117	1,620,136	1,595,035	655,000			29,977,637	21	
22	Otago Central	14,690,511	1,351,896	2,338,690	1,998,991	182,087			21,035,088	22	
23	Poverty Bay	12,507,640	1,456,105	897,806	223,602	175,970			15,267,240	23	
24	Rotorua	40,733,588	877,327	1,379,211	5,381,270	150,000			48,547,566	24	
25	South Canterbury	15,023,957	2,210,727	3,073,128	1,327,899				21,785,711	25	
26	Taranaki	10,048,672	894,186	848,058	2,512,797	643,106			14,946,819	26	
27	Tararua	3,931,980	266,131	268,278	239,848				4,706,237	27	
28	Tasman	16,280,426	2,156,776	3,049,708	1,327,273				22,814,183	28	
29	Tauranga ¹	72,117,504	1,373,899	2,411,704	2,367,174	1,000,000			79,270,281	29	
30	Te Awamutu	5,338,916	151,997	440,081	1,419,949				7,550,943	30	
31	Thames Valley	25,233,471	2,878,930	7,036,522	7,029,883	350,000			42,528,806	31	
32	Wairarapa	11,962,570	1,634,316	1,701,948	1,574,166	200,000			17,073,000	32	
33	Waikato	8,125,964	307,495	580,236	99,347	151,639			9,113,042	33	
34	Waikata	9,145,982	984,084	1,097,453	1,612,075	2,000,000			12,991,233	34	
35	Waitemata	55,164,694	3,441,936	6,344,295	23,611,647				90,562,572	35	
36	Wairarapa	14,139,576	925,237	1,251,260	929,655	1,114,167			17,245,728	36	
37	Wairarapa-Rangitikei	14,671,443	3,025,624	2,739,626	1,467,997	642,014			23,018,857	37	
38	West Coast	20,730,016	1,562,515	639,214	2,483,690				26,059,449	38	
		862,366,377	59,696,906	86,614,198	146,527,562	15,519,108			1,170,724,151		

TABLE II (PART II)—ANALYSIS OF ASSETS FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Assets										Total	No.	
		Capital Expenditure less Depreciation ^a	Stocks and Materials (non-loan) ^b	Sundry Debtors	Non-loan Cash and investments	Loan Cash, Stock and Investments	Accumulated Deficit ^c							
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
<i>Territorial Authorities:</i>														
1	Bluff ..	318,755	99,532	128,750	2,149	684,516	..	..	..	..	..	..	549,186	1
2	Christchurch ..	41,952,202	2,618,720	6,365,625	16,032,964	2,000,000	..	..	..	..	..	..	67,654,027	2
3	Dunedin ..	36,300,918	2,737,981	3,828,903	9,876,647	..	..	..	..	..	..	..	54,744,449	3
4	Hamilton ..	7,842,355	..	237,274	3,544,988	..	..	..	..	..	..	..	11,624,617	4
5	Heathcote ..	1,884,921	116,089	152,145	..	..	..	..	..	..	..	..	2,262,804	5
6	Invercargill ..	7,984,842	820,760	698,796	491,545	617,025	684,870	..	..	..	..	..	11,297,838	6
7	Kaiaoi ..	823,164	145,993	192,651	137,326	..	..	..	..	..	..	..	1,294,134	7
8	Lytelton ..	458,892	151,526	158,622	37,721	..	..	..	..	..	..	..	826,761	8
9	Napier ..	5,729,029	601,082	363,300	621,373	3,461	..	..	..	..	..	..	7,318,245	9
10	Nelson ..	4,069,844	141,013	523,085	296,952	311,899	..	..	..	..	..	..	5,342,793	10
11	New Plymouth ..	11,032,976	1,356,675	1,227,240	1,458,452	..	..	..	..	..	..	..	15,075,343	11
12	Palmerston North ..	3,987,858	674,203	402,146	2,877,661	7,500	..	..	..	..	..	..	9,949,368	12
13	Riccarton ..	2,193,528	205,640	404,615	387,977	209,792	..	..	..	..	..	..	3,401,552	13
14	Taurarunui ..	1,344,552	40,892	127,769	162,824	..	..	..	..	..	..	..	1,680,011	14
15	Taupo ..	12,701,974	62,697	577,986	1,874,312	610,794	..	..	..	..	..	..	15,827,763	15
16	Tauranga ..	3,627,520	257,039	190,275	1,317,754	..	..	..	..	..	..	..	5,392,588	16
17	Thames-Coromandel ..	453,101	103,838	183,616	701,930	..	..	..	..	..	..	..	942,485	17
18	Timaru ..	5,273,944	323,344	278,164	729,411	980,394	..	..	..	..	..	..	7,585,257	18
19	Wauroa ..	863,393	7,542	12,882	149,327	..	..	..	..	..	..	..	1,037,554	19
20	Wellington ..	40,302,353	2,918,627	2,912,495	8,196,031	995,000	..	..	..	..	..	..	55,324,506	20
21	Whakatane ..	1,671,933	281,370	149,635	380,200	..	..	..	..	..	..	..	2,483,138	21
22	Whangarei ..	1,866,300	207,179	593,372	1,586,546	3,122	..	..	..	..	..	..	4,256,719	22
GRAND TOTALS ..		194,684,354	13,871,742	19,709,546	50,379,090	6,426,027	820,379	820,379	285,891,138	820,379	24,745,036	4,767,926,543		

NOTES: ¹Includes Southland Electric Power Supply. ²Included with the Electricity Division. ³Subject to auditing after table published.

⁴As for note 6, Table VI, and as a result, the operations of the Tauranga Joint Generation Committee have been included with the Tauranga Electric Power Board.

TABLE III—ANALYSIS OF CAPITAL EXPENDITURE FOR THE YEAR ENDED 31 MARCH 1983

No.	Supply Authorities	Capital Expenditure During Year					Source of Capital Expenditure Funds					Total	No.
		Generation System	Transmission and Distribution	Other	Total	from Consumers Capital Contributions (non-loan)	from Loans	from Income for Current Year	from Depreciation Provision for Current Year	from Reserves	Total		
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
1	Electricity Division ¹	187,484,822	73,069,898	25,975,427	286,530,147	...	115,593,620	126,566,805	44,367,722	...	286,530,147	1	
<i>Government Department</i>													
1	Southland ²	...	...	...	...	...	...	...	...	...	...	...
<i>Power Boards and Related Authorities:</i>													
1	Ashburton	937,650	2,030,795	513,507	3,481,952	398,624	2,149,137	456,839	477,352	9,110,004	3,481,952	1	
2	Auckland	...	14,227,685	1,969,709	16,197,394	516,513	4,945,230	1,250,000	375,647	...	16,197,394	2	
3	Bay of Islands	...	1,611,458	509,682	2,121,140	206,828	975,889	938,423	...	...	2,121,140	3
4	Bay of Plenty	28,437	1,670,415	367,803	2,066,655	392,379	488,911	525,367	659,998	...	2,066,655	4	
5	Buller	...	235,341	15,060	250,401	9,696	...	169,588	71,117	...	250,401	5	
6	Cambridge	...	490,233	271,809	762,042	14,227	...	555,466	174,293	18,056	762,042	6	
7	Central Canterbury	10,540	2,261,647	630,219	2,902,406	150,156	2,069	1,712,063	939,431	98,687	2,902,406	7	
8	Central Hawke's Bay	...	478,898	75,103	554,001	40,387	124,954	215,183	173,477	...	554,001	8	
9	Central Waikato	...	4,548,120	522,226	5,070,346	465,325	749,075	2,394,618	1,461,328	...	5,070,346	9	
10	Dannevirke	...	563,290	208,062	771,352	35,345	100,000	419,550	216,457	...	771,352	10	
11	Eamont	21,422,988	366,468	708,661	22,498,117	...	21,412,309	325,351	277,302	483,155	22,498,117	11	
12	Franklin	...	917,147	280,405	1,197,552	90,185	527,060	239,747	256,335	84,225	1,197,552	12	
13	Hawke's Bay	...	5,052,343	1,592,773	6,645,116	57,475	1,503,840	3,396,885	955,491	731,425	6,645,116	13	
14	Horowhenua	...	1,681,158	313,293	1,994,451	162,312	440,000	1,011,356	380,783	...	1,994,451	14	
15	Hutt Valley	...	2,793,328	2,880,738	5,674,066	246,763	2,418,317	2,282,600	...	726,386	5,674,066	15	
16	King Country	...	306,733	121,103	427,836	148,367	...	89,416	190,053	...	427,836	16	
17	Manawatu-Oroua	...	1,622,565	451,751	2,074,316	36,150	22,560	1,106,168	856,679	52,759	2,074,316	17	
18	Manitowangi	9,035,731	1,030,683	1,728,751	11,795,165	115,022	10,852,303	602,106	225,734	...	11,795,165	18	
19	North Auckland	...	4,105,759	656,379	4,762,138	669,762	2,062,292	1,444,849	251,885	333,300	4,762,138	19	
20	North Canterbury	...	1,792,241	445,171	2,237,412	400,144	600,000	590,510	596,758	50,000	2,237,412	20	
21	Otago	9,146,623	1,276,312	1,394,077	11,817,012	271,776	10,595,600	675,017	274,619	...	11,817,012	21	
22	Otago Central	1,418,105	861,635	228,629	2,508,369	208,834	1,400,324	367,741	531,470	...	2,508,369	22	
23	Poverty Bay	...	924,112	488,166	1,412,278	63,335	288,200	764,951	284,301	11,491	1,412,278	23	
24	Rotorua	10,047,694	1,432,780	1,906,429	13,386,903	100,863	12,376,517	568,271	336,252	5,000	13,386,903	24	
25	South Canterbury	...	1,483,797	402,565	1,886,362	94,618	350,000	823,799	469,484	148,461	1,886,362	25	
26	Taranaki	37,831	1,502,502	376,569	1,916,902	104,793	180,354	1,058,707	573,048	...	1,916,902	26	
27	Tararua	...	558,647	32,858	591,505	97,288	156,000	141,829	196,388	...	591,505	27	
28	Tasman	...	2,272,559	1,753,456	4,026,015	262,283	1,272,400	1,547,281	937,011	7,040	4,026,015	28	
29	Tauranga	401,707	2,990,811	8,801,255	12,193,773	216,576	7,440,487	4,527,373	9,337	9,337	12,193,773	29	
30	Te Awamutu	...	466,464	295,785	762,249	4,550	...	500,663	257,036	...	762,249	30	
31	Thames Valley	...	3,811,566	523,941	4,335,507	276,237	1,250,000	1,321,027	1,350,706	137,537	4,335,507	31	
32	Waairapa	50,596	1,451,462	421,350	1,923,408	94,234	953,420	524,497	333,517	17,740	1,923,408	32	
33	Waipara	4,340,787	1,734,330	536,814	5,051,931	13,300	4,876,959	86,457	75,215	...	5,051,931	33	
34	Waikato	...	834,870	1,499,682	2,334,552	29,488	409,750	1,419,407	475,907	...	2,334,552	34	
35	Waitemata	16	5,868,496	2,524,254	8,392,766	351,167	2,190,225	3,046,979	1,782,639	1,021,756	8,392,766	35	
36	Waitemoa	99,220	970,140	771,097	1,840,457	157,708	371,423	478,195	499,842	333,289	1,840,457	36	
37	Wanganui-Rangitikei	...	1,279,304	635,755	1,915,059	14,613	420,325	1,174,247	305,874	...	1,915,059	37	
38	West Coast	321,924	1,714,018	505,805	2,541,747	57,580	298,759	1,380,995	804,413	...	2,541,747	38	
		57,299,849	77,660,112	37,360,642	172,320,603	6,574,903	94,204,689	40,133,521	18,027,842	13,379,648	172,320,603		

TABLE III—ANALYSIS OF CAPITAL EXPENDITURE FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Capital Expenditure During Year					Source of Capital Expenditure Funds					Total	No.
		Generation System	Transmission and Distribution	Other	Total	from Consumers Capital Contributions (non-loan)	from Loans	from Income for Current Year	from Depreciation Provision for Current Year	from Reserves	Total		
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
<i>Territorial Authorities:</i>													
1	Bluff ..	..	5,451	11,500	16,951	..	16,951	..	..	..	..	16,951	1
2	Christchurch ..	..	5,942,843	1,362,784	7,305,627	162,060	3,911,412	2,900,955	..	..	..	7,305,627	2
3	Dunedin ..	..	1,141,363	680,279	1,821,642	12,891	628,908	..	..	9,342,092	..	10,124,325	3
4	Hamilton ..	..	710,218	98,235	808,453	..	808,453	..	..	..	..	808,453	4
5	Heathcote ..	..	211,682	22,362	234,044	..	234,044	..	..	..	..	234,044	5
6	Invercargill ..	..	1,353,031	103,659	1,456,690	..	372,071	264,982	..	..	..	1,456,690	6
7	Kaipoi ..	..	79,847	26,243	106,090	..	106,090	..	..	..	..	106,090	7
8	Lytelton ..	..	49,087	13,968	63,055	..	63,055	..	..	..	..	63,055	8
9	Napier ..	..	878,471	59,126	937,597	..	442,572	255,022	..	..	..	937,597	9
10	Nelson ..	..	656,830	102,344	759,174	..	183,596	132,418	..	..	..	759,174	10
11	New Plymouth ..	70,482	1,560,692	1,158,802	2,789,976	83,937	2,094,130	611,909	..	..	..	2,789,976	11
12	Palmerston North ..	..	457,174	198,567	655,741	30,110	158,425	224,143	..	5,127	..	655,741	12
13	Riccarton ..	..	234,104	79,667	313,771	..	233,771	..	..	..	..	313,771	13
14	Tauranui ..	..	51,682	41,796	93,478	..	92,457	1,021	..	..	..	93,478	14
15	Taupo ..	..	213,717	716,189	1,48,532	47,226	701,410	249,347	..	..	..	1,078,438	15
16	Tauranga ..	..	339,875	63,490	404,764	..	404,764	..	..	..	..	404,764	16
17	Thames-Coromandel ..	..	34,997	14,921	49,918	2,614	20,381	26,923	..	..	..	49,918	17
18	Timaru ..	..	837,182	140,356	977,538	50,590	244,612	32,575	257,984	..	..	977,538	18
19	Wairoa ..	..	193,933	7,996	201,929	..	169,354	..	..	..	..	201,929	19
20	Wellington ..	..	2,346,098	1,165,475	3,511,573	118,493	2,087,435	..	..	1,305,645	..	3,511,573	20
21	Whakatane ..	..	269,897	81,590	351,487	..	262,138	89,349	..	..	..	351,487	21
22	Whangarei ..	..	150,612	23,947	174,559	..	174,559	..	..	..	..	174,559	22
GRAND TOTALS		8,639,963	18,231,372	5,563,843	32,435,178	507,921	12,789,636	4,808,644	10,910,848	24,290,496	32,435,178	491,285,928	
		253,424,634	168,961,382	68,899,912	491,285,928	7,082,824	213,218,438	179,489,962	67,204,208	24,290,496	491,285,928		

NOTES: ¹Includes Southland Electric Power Supply. ²Included with the Electricity Division.

³As for note 6, Table VI, and as a result the operations of the Tauranga Joint Generation Committee have been included with the Tauranga Electric Power Board.

⁴Includes \$2,377,226 from insurance.

TABLE IV—GENERATION FOR PUBLIC SUPPLY—ELECTRICITY DIVISION, BY POWER STATION
FOR THE YEAR ENDED 31 MARCH 1983

Station	Maximum Load kW	Units Generated kWh	Annual Load Factor %	Availability Factor %	Station Type and Fuel Used
NORTH ISLAND THERMAL					
Hunui ¹	425 000	539 798 000	...	...	steam turbine, natural gas or coal
Marsden ¹	230 700	1 719 200	...	80.21	steam turbine, heavy oil
Meremere	115 000	451 384 000	44.81	49.78	steam turbine, coal
New Plymouth	604 800	3 509 222 000	66.24	80.19	steam turbine, natural gas or heavy oil
Otauhu	110 800	33 688 200	3.41	63.42	gas turbine, natural gas or light oil
Stratford	218 000	643 077 000	33.67	76.47	gas turbine, natural gas
Waikato	139 900	1 117 878 600	91.22	79.81	geothermal
Whirimaki	204 500	1 648 100	0.09	84.01	gas turbine, light oil
		6 297 815 100			
NORTH ISLAND HYDRO					
Arupui	156 200	730 289 400	53.37	89.70	
Aratiata	83 200	299 646 300	41.11	93.33	
Atiamuri	80 500	268 714 000	38.11	92.76	
Kaipiro	90 600	474 822 600	59.83	77.94	
Mangahao	21 100	82 713 800	44.75	84.44	
Maracani	360 500	739 312 800	28.09	91.41	
Matuhia	74 100	215 516 500	33.20	94.99	
Ohakuni	114 200	366 417 500	36.63	93.92	
Tekaanu	210 600	578 993 700	31.38	92.40	
Kauawa ¹	97 998 800	97 998 800		92.41	
Piripaua ¹	128 465 100	128 465 100	42.62	84.16	
Tuaiti ¹	180 151 300	180 151 300		68.08	
Waipapa	53 700	234 087 600	49.76	93.62	
Whakamaru	163 400	438 599 500	50.63	94.14	
		4 855 708 300			
SOUTH ISLAND HYDRO					
Arnold	3 300	23 790 500	82.30	84.65	
Aviemore	236 600	938 632 800	45.29	93.59	
Benmore	567 000	2 267 863 600	45.66	93.51	
Cobb	28 100	92 998 500	37.78	34.80	
Coleridge	38 600	168 326 800	49.78	91.57	
Highbank	25 500	87 948 200	39.37	83.72	
Manapouri	604 000	4 626 788 000	87.45	81.67	
Monowai	6 500	41 147 700	72.27	...	
Ohau "A"	262 300	1 155 918 000	50.31	90.60	
Roxburgh	330 600	1 627 159 200	56.19	93.61	
Tekapo "A"	26 600	130 522 600	56.01	91.38	
Tekapo "B"	164 200	798 461 000	55.51	90.58	
Waitaki	91 500	505 882 000	63.11	93.87	
		12 465 438 900			
		23 618 962 300			
TOTAL ELECTRICITY DIVISION					

¹New station being commissioned.
collectively as the Waikaremoana Scheme.

²Shown as net value due to imports of energy into station during the year to maintain station viability and system voltage stability.

³Stations known

TABLE V—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Source of supply ¹	Capacity of Generating Plant				Static Head in Metres	Voltages			Distribution Substations		Circuit-Kilometres of Lines	No.
			Hydro	Steam	Oil/Gas	Total Capacity		Transmission	Distribution ²	Number	kVA			
			kW	kW	kW	kW								
<i>Government Department</i>														
1	Southland ⁴	G.	6 000	...	...	6 000	47	66 000	33 000; 11 000; 6 600; 6 350	...	7 643	476 925	7 879	1
<i>Power Boards and Related Authorities:</i>														
1	Ashburton	G.	1 900	...	...	1 900	7	...	33 000; 22 000; 11 000	...	3 282	189 646	3 115	1
2	Auckland	G.	...	...	...	...	...	110 000	33 000; 22 000; 11 000; 6 600	...	6 446	3 682 834	7 220	2
3	Bay of Islands	G.	...	...	...	...	...	110 000	33 000; 11 000; 6 350	...	3 313	202 455	4 120	3
4	Bay of Plenty	I. & G.	25 375	...	...	25 375	38; 9	110 000	33 000; 11 000	...	2 074	228 216	2 045	4
5	Buller	I. & G.	...	...	297	297	...	...	33 000; 11 000	...	401	33 373	693	5
6	Cambridge	G.	...	...	...	...	...	...	11 000	...	870	47 510	1 021	6
7	Central Canterbury	G.	...	...	...	...	...	...	33 000; 11 000	...	4 331	438 126	3 396	7
8	Central Hawke's Bay	G.	...	...	...	...	...	...	33 000; 11 000	...	1 508	74 556	2 142	8
9	Central Waikato	G.	...	...	...	...	...	...	33 000; 11 000	...	2 973	422 182	4 786	9
10	Dannevirke	G.	...	...	...	...	...	...	11 000; 6 600	...	1 147	49 631	1 024	10
11	Egmont	I. & G.	360	...	...	360	15	...	33 000; 11 000	...	1 424	75 035	1 751	11
12	Franklin	G.	...	...	...	...	...	...	33 000; 11 000	...	1 754	195 982	2 782	12
13	Hawke's Bay	G.	...	...	...	...	...	...	33 000; 11 000	...	3 402	576 300	4 482	13
14	Horewahiua	G.	...	...	...	...	...	...	33 000; 11 000; 3 300	...	1 736	217 631	1 667	14
15	Hutt Valley	G.	...	...	...	...	...	...	33 000; 11 000	...	2 609	968 869	2 158	15
16	King Country	I. & G.	6 000	...	...	6 000	67	33 000	33 000; 11 000; 6 600	...	1 438	100 061	2 338	16
17	Manawatu-Oroua	G.	1 000	...	...	1 000	30	33 000	33 000; 11 000; 6 600	...	2 089	319 475	2 552	17
18	Mariborough	I. & G.	...	...	...	...	...	33 000	33 000; 11 000; 6 600	...	2 067	185 863	2 605	18
19	North Auckland	G.	...	...	...	...	...	...	33 000; 11 000	...	3 897	407 402	4 532	19
20	North Canterbury	G.	...	...	...	...	...	...	33 000; 11 000	...	3 926	166 421	4 231	20
21	Otago	G.	17 785	...	...	17 785	...	33 000	33 000; 22 000; 11 000; 6 600; 6 350	...	3 251	179 993	4 501	21
22	Otago Central	I. & G.	...	...	...	...	...	...	33 000; 11 000; 6 600	...	1 750	90 658	2 321	22
23	Poverty Bay	G.	...	...	...	...	...	110 000	50 000; 11 000	...	2 280	176 389	2 758	23
24	Rotorua	G.	...	...	...	...	...	...	33 000; 11 000	...	1 529	109 361	1 805	24
25	South Canterbury	G.	...	...	...	...	...	...	33 000; 22 000; 11 000; 6 350	...	3 774	232 139	3 277	25
26	Taranaki	I. & G.	4 800	...	...	4 800	100	33 000	33 000; 11 000; 6 600	...	1 768	165 984	2 447	26
27	Taranua	G.	200	...	...	200	115	...	33 000; 11 000	...	1 167	42 694	1 385	27
28	Tasman	I. & G.	23 800 ⁵	...	...	23 800 ⁵	...	...	33 000; 11 000; 6 600; 3 300	...	2 604	276 920	3 285	28
29	Tauranga	I. & G.	...	...	...	...	...	...	33 000; 11 000; 6 300	...	3 114	334 429	3 518	29
30	Tc Awamutu	G.	...	...	...	...	...	...	11 000	...	1 249	60 558	1 243	30
31	Thames Valley	G.	770	...	...	770	88; 131	3 300	66 000; 33 000; 11 000	...	4 532	467 665	6 892	31
32	Waairapa	I. & G.	...	...	...	...	...	...	33 000; 11 000; 3 300	...	2 846	222 178	2 930	32
33	Waeroa	G.	...	...	...	...	...	...	11 000	...	3 682	34 218	1 029	33
34	Waikaki	G.	...	...	...	...	...	...	33 000; 11 000	...	1 802	159 288	1 809	34
35	Waitemata	I. & G.	6 000	...	...	6 000	...	110 000	33 000; 11 000	...	7 251	1 335 344	8 600	35
36	Waitomo	I. & G.	6 478	...	...	6 478	20; 41	33 000	33 000; 22 000; 11 000; 6 600	...	2 480	129 978	2 841	36
37	Wanganui-Rangitikei	I. & G.	346	...	...	346	116	...	33 000; 22 000; 11 000; 6 600	...	3 152	238 094	4 145	37
38	West Coast	I. & G.	13 166	...	...	13 166	46; 33; 33; 13	66 000	33 000; 11 000	...	1 244	72 396	1 775	38
			101 980	...	7 627	109 607	...	...	...	...	97 162	12 899 855	115 221	

TABLE V—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Source of supply ¹	Capacity of Generating Plant			Static Head in Metres	Voltages			Distribution Substations		Circuit-Kilometres of Lines	No.
			Hydro	Steam	Oil/Gas		Total Capacity	Generation	Transmission	Distribution ⁴	Number			kVA
			kW	kW	kW								
<i>Territorial Authorities:</i>													
1	Bluff	B.	...	...	...	...	...	...	...	...	...	...	38
2	Christchurch	G.	...	...	...	...	...	...	...	...	...	...	2 930
3	Dunedin	I. & G.	82 177	...	...	82 177	218; 57; 51; 34; 34	...	...	...	...	...	1 815
4	Hamilton	G.	...	...	...	...	...	110 000; 33 000	...	6 600	...	...	286
5	Heathcote	G.	...	...	...	...	...	...	...	...	...	...	202 600
6	Invercargill	B.	...	...	...	...	...	...	...	...	...	...	86
7	Kanagon	B.	...	...	...	...	...	...	...	...	...	...	426
8	Lytelton	G.	...	...	...	...	...	...	...	...	...	...	42
9	Napier	B.	...	...	...	...	...	...	...	...	...	...	43
10	Nelson	B.	...	...	...	...	...	...	...	...	...	...	8
11	New Plymouth	I. & G.	4 400	...	...	4 400	73	6 600	...	...	...	...	150
12	Palmerston North	I. & B.	...	...	1 900	1 900	...	3 300	...	...	...	...	172
13	Riccarton	I. & G.	...	...	...	...	...	...	...	...	...	...	10
14	Taumarunui	I. & B.	1 430	...	...	1 430	8	3 300	...	...	...	...	11 162
15	Taupo	I. & G.	6 650	...	...	6 650	35; 32; 25	3 300	...	...	...	...	367
16	Tauranga	I. & B.	640	...	...	640	34	3 300	33 300	...	...	...	208 100
17	Thames-Coromandel	B.	...	...	...	...	...	...	...	...	...	...	312
18	Timaru	B.	...	...	...	...	...	...	...	...	...	...	23 000
19	Waitoa	B.	...	...	...	...	...	...	...	...	...	...	39
20	Wellington	G.	...	...	...	...	...	...	110 000	33 000; 11 000; 3 300	...	...	57
21	Whakatane	B.	...	...	...	...	...	...	...	...	...	...	692
22	Whangarei	B.	...	...	...	...	...	...	...	...	...	...	72
GRAND TOTALS			95 297	1 135 000	692 527	5 819 764	...	...	...	...	...	...	8 445
			3 992 237	1 135 000	692 527	5 819 764	...	...	...	...	...	...	113 548
			...	...	...	...	...	...	...	...	...	...	29 852 062
			...	...	...	...	...	...	...	...	...	...	150 328

NOTES: ¹G. = Government supply. B. = Bulk supply from another authority. I. = Independent supply (own generation). ²Low tension predominantly 400/230 volts, 50 Hertz. ³Shown separately but included with the Electricity Division. ⁴Operated by Tauranga Joint Generation Committee, jointly owned by Tauranga Electric Power Board and Tauranga City Council. ⁵Includes 41 circuit-kilometres of lines owned by Tauranga Joint Generation Committee. ⁶Includes 40 kilometres of submarine cable (inter-island H.V.D.C.).

TABLE VI—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION, FOR THE YEAR ENDED 31 MARCH 1983

No.	Supply Authorities	Maximum Load kW	Annual Load Factor %	Electricity										kWh Sold (Average) Per Head of Population ¹	No.	
				Generated			Purchased	Generated and Purchased			Sold					Percentage Non Productive ¹
				Hydro	Steam	Oil/Gas		In Bulk for Resale	Domestic	Retail to Consumers	Non-productive ¹	%				
													kWh			
17 321 147 200	5 620 001 800 *	677 813 300	19 020 098	23 637 982 398	17 231 942 370	223 355 964	4 195 986 838	1 986 697 226	8.40							
1	Electricity Division ¹	4 139 200	65.19	17 321 147 200	5 620 001 800 *	677 813 300	19 020 098	23 637 982 398	17 231 942 370	223 355 964	4 195 986 838	1 986 697 226	8.40	...	1	
1	Southland ¹	148 399	50.41	41 147 700	...	...	614 147 208	655 294 908	238 615 418	203 331 882	175 339 917	38 007 691	9.12	5 379	1
<i>Power Boards and Related Authorities:</i>																
1	Ashburton	27 867	63.98	6 333 500	...	...	149 838 312	156 191 812	...	78 896 423	67 370 524	9 924 865	6.35	5 874	1
2	Auckland	645 945	53.99	...	...	...	3 054 912 240	3 054 912 240	...	1 275 782 782	1 657 689 408	121 440 050	3.98	5 726	2
3	Bay of Islands	32 171	67.52	...	...	...	190 297 090	190 297 090	...	91 767 302	81 968 550	16 561 038	8.70	3 904	3
4	Bay of Plenty	69 678	71.73	106 877 760	...	...	330 975 271	437 853 031	38 055 985	84 978 437	303 435 370	11 383 339	2.85	9 934	4
5	Buller	10 492	80.82	...	...	...	74 279 984	74 279 984	...	16 124 059	55 512 894	4 643 031	6.25	8 320	5
6	Cambridge	16 470	54.08	...	...	...	78 022 190	78 022 190	...	36 486 184	35 171 461	6 364 545	8.16	5 211	6
7	Central Canterbury	69 947	62.39	...	...	...	382 280 179	382 280 179	437 830	131 389 076	225 484 844	24 968 429	6.54	7 826	7
8	Central Hawke's Bay	13 720	62.32	...	...	...	74 904 668	74 904 668	...	44 743 120	27 907 888	7 253 660	9.68	5 204	8
9	Central Waikato	93 788	51.43	...	...	...	439 007 237	439 007 237	56 510	230 163 841	181 398 125	27 389 061	6.24	3 755	9
10	Dannevirke	11 480	65.30	...	...	...	65 672 244	65 672 244	...	36 937 827	24 912 658	3 821 759	5.82	5 112	10
11	Egmont	30 507	63.09	920 352	...	...	167 676 286	168 596 638	...	68 155 210	93 409 506	7 031 922	4.17	6 676	11
12	Franklin	41 649	56.06	...	...	...	204 539 298	204 539 298	336 816	111 607 907	75 282 346	17 312 229	8.48	4 200	12
13	Hawke's Bay	159 273	68.25	...	...	...	952 243 625	952 243 625	70 479 700	383 677 716	569 913 570	28 173 239	3.20	8 184	13
14	Horowhenua	50 882	56.32	...	...	...	251 014 119	251 014 119	...	156 498 517	77 758 013	16 757 589	6.68	4 330	14
15	Hutt Valley	211 747	51.73	...	...	...	939 575 767	939 575 767	...	361 111 630	357 158 495	41 305 642	4.30	4 453	15
16	King Country	50 186	45.81	21 089 400	...	...	180 293 580	201 382 980	15 031 260	49 530 995	131 249 065	5 571 660	2.99	10 330	16
17	Manawatu-Oroua	89 354	60.10	...	...	...	470 426 189	470 426 189	182 609 700	128 465 801	15 514 802	5 329 177	5.39	5 329	17
18	Marlborough	26 539	69.22	5 436 925	6 810	...	160 931 136	160 931 136	89 777 412	56 792 581	14 361 143	...	8.92	4 388	18	
19	North Auckland	64 011	68.57	...	...	...	384 505 232	384 505 232	82 414 974	131 344 034	151 992 054	18 754 170	6.21	5 218	19
20	North Canterbury	36 311	63.42	...	...	...	201 735 167	201 735 167	19 111 960	88 606 289	81 391 115	12 625 803	6.91	5 151	20
21	Otago	30 748	60.36	...	...	...	162 573 334	162 573 334	9 085 600	87 485 385	58 546 478	16 541 471	10.17	5 727	21
22	Otago Central	35 338	55.41	96 636 682	...	...	74 903 803	171 540 485	...	84 154 525	61 637 935	16 662 425	10.26	6 627	22
23	Poverty Bay	41 606	56.50	...	...	...	205 931 891	205 931 891	...	113 793 655	77 972 717	14 165 519	6.88	4 133	23
24	Rotorua	56 544	52.96	12 440	...	...	262 287 905	262 300 345	355 421	134 702 351	104 729 529	22 513 044	8.59	3 984	24
25	South Canterbury	63 774	62.49	...	...	...	349 095 496	349 095 496	110 897 760	129 416 947	92 698 005	16 082 784	6.75	5 567	25
26	Taranaki	29 884	65.67	21 603 005	...	...	150 295 732	171 898 737	...	77 367 308	79 442 634	15 088 795	8.78	5 620	26
27	Taranaki	9 023	57.59	...	...	...	45 517 697	45 517 697	...	24 151 919	5 244 522	...	11.52	5 104	27
28	Tasman	69 938	61.18	...	...	...	374 837 802	374 837 802	100 085 120	132 918 712	123 831 691	18 002 279	6.55	5 115	28
29	Tauranga	75 350	55.61	...	...	...	269 785 743	367 087 786	48 414 139	185 954 880	111 258 220	21 460 547	6.73	3 968	29
30	Te Awamutu	18 701	60.78	...	...	...	99 563 891	99 563 891	20 160	55 877 220	36 966 620	6 699 891	6.73	4 421	30
31	Thames Valley	185 888	65.21	...	...	...	1 061 896 152	1 061 896 152	28 989 090	226 545 913	769 649 561	36 711 588	3.55	11 156	31
32	Wairarapa	37 361	59.56	3 971 930	...	...	190 969 766	190 969 766	...	114 385 439	66 930 916	13 625 341	6.99	4 900	32
33	Wauroa	10 557	57.56	...	...	...	53 230 851	53 230 851	20 707 327	14 635 260	15 457 629	2 430 635	7.47	5 133	33
34	Waikato	25 277	61.24	...	...	...	135 598 765	135 598 765	...	67 825 783	58 906 747	8 866 235	6.54	5 761	34
35	Waitemata	257 645	49.53	...	...	132 540	1 117 746 942	1 117 879 482	...	747 577 181	325 695 014	44 607 287	3.99	3 494	35
36	Waitemata	26 226	52.95	20 556 200	...	...	101 100 851	121 657 051	...	57 876 571	53 912 676	9 867 804	8.11	5 675	36
37	Wanganui-Rangitikei	71 367	58.74	1 113 000	...	...	366 139 789	367 252 789	...	179 748 048	24 718 230	2 786 511	6.73	5 008	37
38	West Coast	22 974	57.79	56 307 012	...	...	59 990 999	116 298 011	176 238	46 648 235	57 799 293	11 674 245	10.05	4 128	38
...	...	...	...	438 160 249	...	139 350	13 849 173 488	14 287 473 087	727 265 590	6 177 109 194	6 666 977 685	716 120 618	5.28	5 360	...

TABLE VI—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION, FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Maximum Load kW	Annual Load Factor %	Electricity										kWh Sold (Average Per Head of Population) ¹ kWh	No.	
				Generated			Oil/Gas kWh	Purchased kWh	Generated and Purchased kWh	In Bulk for Resale kWh	Sold		Non-productive ¹ kWh			Percentage Non-productive ¹ %
				Hydro kWh	Steam kWh	Non-domestic kWh					Domestic kWh					
<i>Territorial Authorities:</i>																
1	Bluff	3 504	54.63	...	...	16 769 418	16 769 418	...	...	...	...	8 748 961	1 364 193	8.14	5 858
2	Christchurch	313 548	47.85	...	...	1 314 222 204	1 314 222 204	7 695	...	...	...	459 882 023	56 828 979	4.32	5 198
3	Dunedin	153 900	52.23	178 042 600	...	704 163 308	704 163 308	...	...	...	...	277 484 238	44 510 942	6.32	6 069
4	Hamilton	35 989	39.49	...	...	124 509 400	124 509 400	...	...	...	...	73 856 277	3 859 433	3.10	5 338
5	Heathcote	10 655	53.66	...	...	50 082 390	50 082 390	...	...	...	...	22 837 725	2 111 270	4.22	7 096
6	Invercargill	48 900	51.79	...	...	221 846 000	221 846 000	9 587 600	...	...	...	76 839 215	13 695 576	6.45	5 157
7	Kaipoi	4 445	49.08	...	...	19 111 960	19 111 960	...	...	...	...	6 080 850	369 060	1.93	4 066
8	Lytelton	3 432	51.03	...	...	15 341 109	15 341 109	...	...	...	...	8 673 061	672 338	4.38	5 535
9	Napier	14 640	54.96	...	...	70 479 700	70 479 700	...	...	...	...	37 763 356	2 828 447	4.01	5 733
10	Nelson	19 872	57.49	...	...	100 085 120	100 085 120	...	...	...	...	46 545 847	5 100 303	5.10	5 620
11	New Plymouth	46 378	61.03	17 760 000	...	247 929 868	247 929 868	...	...	...	...	106 075 884	12 250 178	4.94	4 714
12	Palmerston North	38 826	53.69	...	6 754	182 616 454	182 616 454	...	...	...	...	65 217 866	12 720 572	6.97	4 064
13	Riccarton	10 816	46.71	...	...	44 258 370	44 258 370	5 400	...	...	...	18 757 814	2 824 464	6.38	6 394
14	Taurarunui	5 437	42.91	5 408 000	...	15 031 260	20 439 260	...	...	...	...	8 281 439	1 155 393	5.65	4 725
15	Taupo	24 828	53.44	25 417 530	...	90 817 200	116 234 730	...	...	...	...	47 802 909	6 780 343	5.83	6 064
16	Tauranga	16 720	33.87	1 196 861	...	48 414 139	49 611 000	...	...	...	...	30 635 965	2 321 815	4.68	8 385
17	Thames-Coromandel	8 035	41.02	...	...	28 875 400	28 875 400	...	...	...	...	13 086 305	1 050 419	3.64	4 438
18	Timaru	21 856	57.92	...	...	110 897 760	110 897 760	...	...	...	...	46 364 031	7 079 216	6.38	5 673
19	Waioa	4 149	56.97	...	...	20 707 327	20 707 327	...	...	...	...	6 038 330	2 065 447	9.97	3 439
20	Wellington	169 110	51.71	...	...	766 095 577	766 095 577	...	...	...	...	347 770 954	41 530 478	5.42	6 301
21	Whakatane	8 652	50.21	...	...	38 055 985	38 055 985	...	...	...	...	13 186 699	2 465 494	6.48	3 770
22	Whangarei	17 797	52.83	...	...	82 363 044	82 363 044	...	...	...	...	40 208 981	4 182 891	5.08	4 480
Sundry Private Plants				...	...	227 824 991	4 344 695 384	9 600 695	2 332 086 506	1 775 240 932	227 767 251	5.25	5 440	...	...
GRAND TOTALS				...	...	17 987 132 440	5 636 250 370	677 959 404	8 732 551 664	12 638 205 455	2 930 585 095	12.06 ¹⁰	...	...	...
				...	...	16 248 570	24 301 342 214	...	...	...	...	24 301 342 214	...	...	...

Electricity generated per head of total population: 7 524 kWh. Electricity generated per head of mean population: 7 613 kWh. Maximum load for public supply: 4 269 900 kW.
 Electricity sold retail per head of total population: 6 616 kWh. Electricity sold retail per head of mean population: 6 695 kWh. Annual load factor, New Zealand: 64.97 percent.

NOTES: ¹Includes own use, losses on transmission and distribution, also losses on bulk supply to other supply authorities. ²Percentage calculated on generated plus purchased less bulk for resale, except the Electricity Division. ³kWh sold retail. ⁴Includes Southland Electric Power Supply. ⁵Shown separately but included with the Electricity Division. ⁶Tauranga Electric Power Board and Tauranga City Council jointly purchase from the Electricity Division as the Tauranga Joint Generation Committee, but for the purpose of these statistics, the transaction has been treated as a bulk sale to Tauranga E.P.B., then part in bulk for resale to Tauranga C.C. ⁷Lloyd Mandeno, Lower Mangapapa, and McLaren Falls Stations of the T.J.G.C. ⁸Includes 539 798 000 kWh generated at Huntly Power Station, still under construction. ⁹Generated at Wheahe Power Station during commissioning tests. ¹⁰Percentage of total kWh generated.

TABLE VII (PART I)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1983

No.	Supply Authorities	Domestic					Commercial					Farming					
		Electricity Consumed kWh	Income \$	Income per kWh Sold c	Consumers Number	Average kWh per Consumer	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Consumers Number	Average kWh per Consumer	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Consumers Number	Average kWh per Consumer	No.
1	Electricity Division ¹	223 355 964	10,836,568	4.852	25 393	8 796	71 050 478	5,724,217	8.057	3 783	18 782	10 235 001	682,656	6.670	3 901	2 624	1
<i>Government Department</i>																	
1	Southland ¹	203 331 882	10,556,100	5.192	23 661	8 594	61 960 691	5,256,081	8.483	3 757	16 492	10 235 001	682,656	6.670	3 901	2 624	1
<i>Power Boards and Related Authorities:</i>																	
1	Ashburton	78 896 423	4,304,479	5.456	9 468	8 333	23 797 331	2,128,410	8.944	1 396	17 047	30 112 454	1,706,136	5.666	1 940	15 522	1
2	Auckland	1 275 782 782	52,679,159	4.129	178 934	7 130	34 981 488	58,046,320	5.663	25 034	40 944	6 697 150	382,419	5.710	6 643	10 415	2
3	Bay of Islands	4 466 319	4,466,319	4.867	13 380	6 859	34 902 870	2,918,108	8.361	2 178	16 025	10 098 840	715,170	7.082	1 789	5 645	3
4	Bay of Plenty	84 978 437	4,930,757	5.802	11 700	7 263	23 312 185	2,068,002	8.871	1 414	16 487	14 332 138	1,311,838	9.153	2 447	5 857	4
5	Buller	16 124 059	816,713	5.065	3 108	5 188	6 434 154	608,388	9.456	492	13 078	1 177 266	92,880	7.889	209	5 633	5
6	Cambridge	36 486 184	1,713,587	4.697	4 600	7 932	9 274 936	829,313	8.941	736	12 602	5 773 345	463,335	8.025	826	6 990	6
7	Central Canterbury	131 389 076	6,001,879	4.568	16 501	7 962	66 119 968	4,079,034	6.169	1 913	34 563	40 231 654	2,441,621	6.069	3 034	13 260	7
8	Central Hawke's Bay	44 743 120	2,258,716	5.048	5 069	8 827	8 935 812	721,955	8.079	663	13 478	2 659 900	313,029	11.768	968	2 748	8
9	Central Waikato	230 163 541	14,045,086	6.102	35 156	6 547	70 592 144	5,689,915	8.060	2 585	27 308	28 463 493	2,442,613	8.582	3 692	7 710	9
10	Dannevirke	36 937 827	1,807,798	4.894	4 410	8 376	8 333 002	700,601	8.408	609	13 683	4 786 475	432,595	9.038	1 030	4 647	10
11	Egmont	68 155 210	3,055,021	4.482	8 592	7 932	12 740 979	1,110,726	8.718	1 279	9 962	21 494 570	1,446,091	6.728	1 941	11 074	11
12	Franklin	111 607 907	5,556,898	4.979	14 722	7 581	25 282 348	1,839,258	7.275	1 702	14 854	26 406 756	1,906,861	7.221	4 483	5 890	12
13	Hawke's Bay	283 677 116	12,877,199	4.539	34 658	8 185	81 522 260	6,965,980	8.545	3 580	22 772	10 866 350	989,018	9.102	2 375	4 575	13
14	Horowhenua	156 498 517	8,605,753	5.499	24 468	6 396	46 442 834	4,383,696	9.439	2 281	20 361	10 837 285	866,644	7.997	1 277	8 487	14
15	Hutt Valley	561 111 630	25,107,841	4.475	68 365	8 308	173 959 236	15,793,865	9.079	6 252	27 825	1 042 877	101,550	9.737	206	5 063	15
16	King Country	49 530 995	1,809,051	3.652	6 557	7 554	22 154 665	1,325,393	5.982	1 074	20 628	1 960 795	159,289	8.124	832	2 357	16
17	Manawatu-Oroua	128 465 801	5,746,169	4.473	16 822	7 637	48 267 154	3,897,054	8.074	1 557	31 000	10 740 755	922,683	8.590	2 977	3 608	17
18	Marborough	89 777 412	4,519,688	5.034	12 141	7 395	35 432 762	3,138,607	8.858	2 206	13 482	6 863 996	461,997	6.731	1 281	5 358	18
19	North Auckland	131 344 034	6,660,889	5.071	20 106	6 533	30 196 809	2,384,196	7.896	2 206	13 688	22 803 010	1,571,675	6.892	2 251	7 014	19
20	North Canterbury	88 606 289	5,150,785	5.813	12 323	7 190	25 064 582	2,198,446	8.771	1 758	14 257	17 571 472	1,469,040	8.360	2 125	8 269	20
21	Otago	87 485 385	4,822,139	5.512	10 689	8 185	36 913 988	2,027,324	7.533	1 695	15 878	4 755 085	332,259	6.987	2 121	2 242	21
22	Otago Central	84 194 525	3,818,139	4.537	9 769	8 614	45 120 315	2,832,205	6.277	1 482	30 446	5 858 673	335,129	5.720	798	7 342	22
23	Poverty Bay	113 793 655	6,270,340	5.510	15 791	7 206	30 943 887	3,218,825	10.402	2 295	13 483	3 114 575	399,297	12.820	2 495	1 248	23
24	Rotorua	134 702 351	6,449,764	4.788	19 115	7 047	67 048 337	5,310,344	7.920	2 680	25 018	9 039 633	740,201	8.188	1 346	6 716	24
25	South Canterbury	129 416 947	6,152,822	4.754	15 432	8 386	24 521 050	2,393,418	9.761	1 230	19 936	9 321 810	612,975	6.576	991	9 406	25
26	Tairānaki	77 367 308	3,303,125	4.269	9 584	8 073	13 998 816	1,124,345	8.032	1 266	11 058	17 390 895	1,257,661	7.232	2 352	7 394	26
27	Tairāra	24 151 919	1,400,956	5.801	3 196	7 557	3 622 845	372,008	10.268	452	8 015	3 743 232	376,826	10.067	306	3 758	27
28	Tairāman	132 918 712	6,413,538	4.825	18 036	7 370	27 446 323	2,729,339	9.944	1 853	14 812	12 516 333	1,103,432	8.816	2 305	5 430	28
29	Tairānanga	185 954 880	10,026,398	5.392	27 574	6 744	46 920 530	4,285,946	9.134	2 743	17 106	16 137 450	1,387,300	8.597	3 327	4 850	29
30	Tairāwamutu	55 877 220	2,747,542	4.917	6 965	8 023	14 610 800	1,109,639	7.595	925	15 795	15 595 810	1,170,071	7.502	2 339	6 668	30
31	Tairāra Valley	226 545 913	12,075,008	5.330	35 203	6 435	60 426 704	5,054,000	8.364	4 785	12 628	54 726 244	4,120,862	7.530	5 417	10 103	31
32	Waikaiti	114 385 439	6,436,877	5.627	13 592	8 416	30 849 481	2,501,872	8.110	1 799	17 148	10 484 092	835,529	7.969	1 830	5 729	32
33	Waikato	14 635 260	805,615	5.505	2 211	6 619	2 331 625	213,662	9.164	305	7 645	10 336 379	11,846	11.846	674	1 538	33
34	Waikato	67 825 783	3,441,419	5.074	8 573	7 912	23 996 837	2,195,109	9.147	1 200	19 997	5 935 559	457,461	7.707	1 023	5 802	34
35	Waitemata	747 577 181	38,702,807	5.177	109 010	6 858	171 590 391	16,265,085	9.479	10 472	16 386	17 001 665	1,157,643	6.809	2 859	5 947	35
36	Waitemata	57 876 571	2,860,247	4.942	7 002	8 266	13 827 037	1,286,911	9.307	1 093	12 651	10 927 560	865,296	7.918	2 175	4 531	36
37	Waipānui-Rangitikei	179 748 048	8,481,656	4.719	25 297	7 106	73 035 380	5,079,624	6.955	3 402	17 259	6 772 223	593,931	8.770	3 101	2 133	37
38	West Coast	46 648 235	2,780,075	5.960	8 219	5 676	28 822 729	2,709,903	9.402	1 670	17 259	3 252 030	336,572	10.350	553	6 101	38
6 177 109 194 299,102,254 4.842 846 338 7 299 2 483 774 594 181,536,816 7.309 101 778 24 404 482 529 829 36,401,703 7.544 74 308 6 494																	

TABLE VII (PART I)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Domestic					Commercial					Farming				
		Electricity Consumed kWh	Income \$	Income per kWh Sold c	Consumers Number	Average kWh per Consumer kWh	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Consumers Number	Average kWh per Consumer kWh	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Consumers Number	Average kWh per Consumer kWh
<i>Territorial Authorities:</i>																
1	Bluff	6 656 264	340,171	5.111	928	7 173	7 090 878	443,749	6.258	183	38 748	3 433 823	230,237	6.705	159	21 596
2	Christchurch	797 503 507	33,447,335	4.194	92 008	8 668	282 859 647	25,378,808	8.972	8 939	31 643	2 326 141	201,160	8.648	540	4 308
3	Dunedin	382 168 128	16,609,294	4.346	41 021	9 316	160 392 466	11,836,494	7.380	5 530	29 004	1 606 913	69,415	4.320	48	33 477
4	Hamilton	46 793 690	2,820,138	6.027	9 320	5 021	55 274 000	4,874,953	8.820	2 980	18 548	1 606 913	69,415	4.320	48	33 477
5	Heathcote	22 837 725	962,688	4.215	2 276	10 034	14 622 302	821,698	5.619	98	149 207	1 606 913	69,415	4.320	48	33 477
6	Invercargill	121 723 609	5,811,583	4.774	13 881	8 769	57 792 084	4,422,693	7.653	1 715	33 699	7 933	710	8.950	4	1 983
7	Kaipoi	12 662 050	671,316	5.302	1 636	7 740	3 139 970	243,256	7.756	131	23 969	7 933	710	8.950	4	1 983
8	Lytelton	8 673 061	399,191	4.603	1 118	7 758	4 158 205	357,333	8.598	153	27 178	938 279	56,921	6.067	54	17 376
9	Napier	29 887 897	1,559,994	5.219	4 351	6 869	26 862 178	2,594,755	9.660	1 100	24 420	938 279	56,921	6.067	54	17 376
10	Nelson	46 545 847	1,807,138	3.882	5 918	7 865	27 306 844	2,703,320	9.900	808	33 796	938 279	56,921	6.067	54	17 376
11	New Plymouth	129 603 806	5,601,580	4.322	18 196	7 123	40 300 028	3,539,076	8.804	2 198	18 289	12 741 785	1,035,588	8.127	1 165	10 937
12	Palmerston North	104 678 016	4,423,162	4.225	14 876	7 037	55 604 666	4,704,716	8.461	2 422	22 938	54 594	5,647	10.344	8	6 824
13	Riccarton	22 676 092	901,328	3.975	2 842	7 979	17 231 837	1,628,962	9.453	504	34 190	33 865	3,991	11.785	19	1 782
14	Taumarunui	10 997 028	441,003	4.010	1 290	8 525	7 040 228	548,795	7.795	369	19 079	33 865	3,991	11.785	19	1 782
15	Taupo	47 802 909	2,339,446	4.894	6 920	6 908	25 498 012	2,212,701	8.678	1 053	24 215	1 343 137	147,799	11.004	336	3 997
16	Tauranga	16 653 220	636,850	3.824	2 429	6 856	23 085 671	1,704,285	7.382	1 337	17 267	12 741 785	1,035,588	8.127	1 165	10 937
17	Thames-Coromandel	14 758 676	747,869	5.067	2 375	6 214	5 927 821	489,625	8.260	460	12 887	54 594	5,647	10.344	8	6 824
18	Timaru	57 454 513	2,563,127	4.461	7 131	8 057	32 256 398	2,254,990	6.985	1 313	24 567	242 400	10,989	4.533	1	242 400
19	Waioa	12 603 550	631,354	5.009	1 684	7 484	5 231 560	477,006	9.118	255	20 516	242 400	10,989	4.533	1	242 400
20	Wellington	376 794 145	13,834,798	3.672	46 433	8 115	287 625 105	23,324,662	8.109	7 147	40 244	54 532	5,391	9.886	19	2 870
21	Whakatane	22 403 792	1,124,280	5.018	3 084	7 265	11 485 599	1,130,879	9.846	564	20 365	20 698	2,112	10.204	5	4 140
22	Whangarei	40 208 981	2,163,243	5.380	6 123	6 567	28 982 178	2,579,414	8.900	1 380	21 002	20 698	2,112	10.204	5	4 140
GRAND TOTALS		2 332 086 506	99,836,888	4.281	285 840	8 159	1 179 668 777	98,270,640	8.330	40 639	29 028	22 804 100	1,769,960	7.762	2 358	9 671
		8 732 551 664	409,775,710	4.693	1 157 571	7 544	3 734 493 849	285,531,673	7.646	146 200	25 544	515 568 930	38,854,319	7.536	80 567	6 399

NOTES: ¹Includes Southland Electric Power Supply. ²Shown separately but included with Electricity Division. ³Includes 3 008 486 kWh used free of charge for irrigation.

TABLE VII (PART II)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1983

No.	Supply Authorities	Industrial						Non-Domestic						Total Retail Sales					
		Electricity Consumed	Income	Income per kWh Sold	Consumers	Average kWh per Consumer	Electricity Consumed	Income	Income per kWh Sold	Consumers	Average kWh per Consumer	Electricity Consumed	Income	Income per kWh Sold	Consumers	Average kWh per Consumer	No.		
1	Electricity Division ¹	4 100 315 914	80,253,341	1.957	191	21 467 623	4 195 986 838	87,617,532	2.088	7 991	525 089	4 419 342 802	98,454,100	2.228	33 384	132 379	1		
<i>Government Department</i>																			
1	Southland ¹	101 459 549	6,980,209	6.880	185	548 430	175 339 917	13,021,283	7.426	7 957	22 036	378 671 799	23,577,383	6.226	31 618	11 976	1		
<i>Power Boards and Related Authorities:</i>																			
1	Ashburton	12 193 876	953,202	7.817	20	609 694	67 370 524	4,911,229	7.290	3 358	20 063	146 266 947	9,215,708	6.301	12 826	11 404	1		
2	Auckland	595 742 500	29,420,620	4.938	1 493	399 024	1 657 689 408	89,338,269	5.389	27 194	60 958	2 933 472 190	142,017,428	4.841	206 128	14 231	2		
3	Bay of Islands	35 947 340	2,141,993	5.959	46	781 464	81 968 505	5,812,870	7.092	4 036	20 309	173 736 052	10,279,189	5.917	17 416	9 976	3		
4	Bay of Plenty	265 201 214	9,528,763	3.593	64	1 143 769	303 435 270	12,944,155	4.266	3 946	76 897	388 413 707	17,874,912	4.602	15 646	24 825	4		
5	Buller	45 613 914	1,684,123	3.692	75	608 186	53 512 829	2,400,747	4.486	778	68 783	69 636 953	3,217,460	4.620	3 886	17 920	5		
6	Cambridge	19 591 650	1,097,655	5.603	44	445 265	35 171 461	2,413,702	6.863	1 610	21 846	71 657 645	4,127,289	5.760	6 210	11 539	6		
7	Central Canterbury	117 701 029	7,288,655	6.193	413	284 990	225 484 844	13,868,932	6.151	5 391	41 826	356 873 920	19,870,811	5.568	21 892	16 302	7		
8	Central Hawke's Bay	10 872 176	704,891	6.483	51	213 180	22 907 888	1,774,362	7.746	1 684	13 603	67 651 008	4,033,078	5.962	6 753	10 018	8		
9	Central Waikato	80 216 568	5,100,986	6.359	213	376 604	181 398 125	13,326,502	7.347	6 501	27 903	411 561 666	27,371,588	6.651	41 657	9 880	9		
10	Dannevirke	11 501 481	848,034	7.373	34	338 279	24 912 658	1,997,711	8.019	1 679	14 838	61 850 485	3,805,509	6.153	6 089	10 158	10		
11	Edmont	58 498 536	3,161,368	5.404	61	958 992	93 409 506	5,747,727	6.153	3 287	28 418	161 564 716	8,802,748	5.448	11 879	13 601	11		
12	Franklin	22 625 090	1,511,460	6.680	180	125 695	75 282 346	5,311,597	7.056	6 372	11 815	186 890 253	10,868,495	5.815	21 094	8 860	12		
13	Hawke's Bay	473 177 860	19,416,064	4.103	233	2 030 806	569 913 570	27,596,688	4.842	6 207	91 818	853 590 686	40,473,887	4.742	40 865	20 888	13		
14	Horowhenua	17 864 072	1,547,065	8.660	124	144 065	77 758 013	6,975,938	8.971	3 695	21 044	234 256 530	15,581,691	6.652	28 163	8 318	14		
15	Hutt Valley	173 165 751	13,748,937	7.943	506	342 106	357 158 495	30,111,925	8.431	7 077	50 467	918 270 125	55,219,766	6.013	75 442	12 172	15		
16	King Country	106 782 397	3,507,684	3.285	42	2 542 438	131 249 065	5,008,536	3.816	1 971	66 590	180 780 060	6,817,587	3.771	8 528	21 593	16		
17	Manawatu-Oroua	83 809 712	6,025,457	7.181	233	360 128	143 835 886	10,962,623	7.622	4 853	29 639	272 301 687	16,708,792	6.136	21 675	12 568	17		
18	Marlborough	13 520 478	1,084,988	8.025	101	133 866	56 792 581	4,736,333	8.340	3 110	18 261	146 569 993	9,256,021	6.315	15 251	9 611	18		
19	North Auckland	97 906 378	4,460,893	4.556	111	882 039	151 992 054	8,470,416	5.973	5 642	26 939	283 336 088	15,131,305	5.340	25 748	11 004	19		
20	North Canterbury	37 620 439	2,074,064	5.513	57	660 008	81 391 115	5,798,281	7.124	3 956	20 574	169 997 404	10,949,066	6.441	16 279	10 943	20		
21	Otago	26 029 678	2,056,996	7.903	23	1 311 725	58 546 478	4,483,048	7.637	3 860	15 167	146 031 863	9,305,187	6.372	14 549	10 037	21		
22	Otago Central	9 683 626	1,061,900	10.966	29	333 918	61 637 935	4,278,907	6.942	2 325	26 511	145 792 460	8,097,046	5.554	12 094	12 055	22		
23	Poverty Bay	43 063 141	3,018,508	7.009	94	458 119	77 972 717	6,722,905	8.622	4 905	15 897	191 766 372	12,993,245	6.776	20 696	9 266	23		
24	Rotorna	26 537 807	1,808,192	6.814	122	217 523	104 729 529	7,969,480	7.610	4 155	25 206	239 431 880	14,419,244	6.022	23 270	10 289	24		
25	South Canterbury	57 434 595	3,943,369	6.866	26	2 209 023	92 698 005	7,032,757	7.587	2 258	41 053	222 114 952	13,185,579	5.936	17 690	12 556	25		
26	Taranaki	47 039 492	3,420,277	7.271	164	286 826	79 442 634	5,858,565	7.375	3 790	20 961	156 809 942	9,161,690	5.843	13 374	11 725	26		
27	Taranua	8 633 043	821,209	9.512	35	246 638	16 121 256	1,575,917	9.775	1 489	10 827	40 273 175	2,976,873	7.392	4 685	8 596	27		
28	Tasman	82 519 035	4,973,075	6.027	662	124 651	123 831 691	8,851,788	7.148	4 830	25 638	256 750 403	15,265,326	5.946	22 866	11 228	28		
29	Tauranga	46 657 160	2,854,604	6.118	119	392 077	111 258 220	8,607,649	7.737	6 213	17 907	297 213 100	18,634,047	6.270	33 787	8 797	29		
30	Tc Awamutu	6 180 550	434,486	7.030	43	143 734	36 966 620	2,736,334	7.402	3 319	11 138	92 843 840	5,483,876	5.907	10 284	9 028	30		
31	Thames Valley	652 217 017	23,675,456	3.620	285	2 288 481	769 649 561	33,163,786	4.309	10 502	73 286	996 195 474	45,238,794	4.541	45 705	21 796	31		
32	Waipara	24 517 726	1,744,261	7.114	179	136 971	66 930 916	5,145,692	7.688	3 844	17 412	181 316 355	11,582,569	6.388	17 436	17 436	32		
33	Waiau	11 999 625	750,306	6.253	24	499 984	15 457 629	1,094,167	7.078	1 007	15 350	30 092 889	1,899,782	6.313	9 351	9 351	33		
34	Waikato	27 780 607	1,890,342	6.805	80	347 258	58 906 747	4,606,180	7.819	2 307	25 534	126 732 530	8,047,599	6.350	10 880	11 648	34		
35	Waitemata	129 376 750	9,334,134	7.215	1 049	123 333	325 695 014	27,170,910	8.342	14 615	22 285	1 073 272 195	65,873,717	6.138	123 625	8 662	35		
36	Waitemoa	28 323 864	1,876,422	6.625	159	178 138	53 912 676	4,075,211	7.559	3 667	14 702	111 789 247	6,935,458	5.204	10 669	10 478	36		
37	Wanganui-Rangitikei	79 654 074	4,309,356	5.410	125	637 233	162 786 511	10,143,947	6.231	6 729	14 702	342 534 559	18,625,603	5.438	32 036	10 678	37		
38	West Coast	24 620 734	2,090,371	8.490	158	155 837	57 799 293	5,257,272	9.096	2 374	24 347	104 447 528	8,037,347	7.695	10 593	9 860	38		
		3 611 860 985	185,370,146	5.132	7 477	483 063	6 666 977 685	408,283,058	6.124	184 536	36 128	12 844 086 879	707,385,312	5.507	1 030 874	12 459			

TABLE VII (PART II)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Industrial					Non-Domestic					Total Retail Sales				
		Electricity Consumed kWh	Income \$	Income per kWh Sold c	Consumers Number	Average kWh per Consumer	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Consumers Number	Average kWh per Consumer	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Consumers Number	Average kWh per Consumer
<i>Territorial Authorities:</i>																
1	Bluff	1 515 800	82,456	5,440	1	1 515 800	8 748 961	6,080	197	44 411	15 405 225	872,089	5,661	1 125	13 694	1
2	Christchurch	158 234 280	10,581,444	6,687	1 030	153 626	36,882,597	8,020	10 141	45 349	1 257 385 932	70,329,932	5,593	102 149	12 309	2
3	Dunedin	109 787 051	6,651,235	6,058	379	289 676	277 484 238	6,812	6 461	42 948	659 652 366	35,511,379	5,383	47 482	13 893	3
4	Hamilton	17 234 670	1,306,506	7,581	140	123 105	73 856 277	8,461	3 122	23 657	120 649 967	9,069,054	7,517	12 442	9 697	4
5	Heathcote	8 486 100	379,554	4,473	1	8 486 100	1,291,002	5,137	149	168 681	47 971 120	2,253,690	4,698	2 425	19 782	5
6	Invercargill	16 201 934	1,244,025	7,678	150	108 013	76 839 215	7,666	1 870	41 090	198 562 824	11,702,334	5,894	15 751	12 606	6
7	Kaiaoi	2 718 980	209,725	7,713	11	247 180	6 080 850	7,635	143	42 523	18 742 900	1,135,571	6,059	1 779	10 536	7
8	Lytelton	1 541 720	174,467	11,316	5	308 344	5 995 710	9,113	161	37 340	14 668 771	945,558	6,446	1 279	11 469	8
9	Napier	9 263 117	727,078	7,849	38	243 766	37 763 356	9,048	1 139	33 155	67 651 253	4,976,784	7,357	5 490	12 323	9
10	Nelson	19 696 108	1,440,109	7,341	80	238 701	48 438 970	8,813	1 220	39 704	94 984 817	6,075,947	6,397	7 138	13 307	10
11	New Plymouth	51 530 370	3,297,414	6,399	479	107 579	106 075 884	7,567	3 845	27 588	235 679 690	13,627,931	5,782	22 041	10 693	11
12	Palmerston North	9 294 510	806,098	8,673	141	65 919	5,537,229	8,490	2 578	25 298	169 895 882	9,960,391	5,863	17 454	9 734	12
13	Riccarton	988 301	91,533	10,077	30	30 277	18 737 814	9,288	538	34 866	41 433 906	2,643,584	6,380	3 380	12 259	13
14	Taurarunui	831 796	67,311	8,092	34	24 465	8 281 439	7,721	423	19 378	19 278 467	1,080,392	5,604	1 713	11 254	14
15	Taupo	33 748 022	1,890,018	5,600	55	613 600	61 651 478	6,978	1 459	42 256	109 454 387	6,641,192	6,068	8 379	13 063	15
16	Tauranga	7 014 150	455,696	6,497	131	53 543	30 635 965	7,127	1 469	20 855	47 289 185	2,820,421	5,964	3 898	12 132	16
17	Thames-Coromandel	6 698 384	327,408	4,888	30	223 279	13 066 305	6,528	491	26 612	27 824 981	1,600,893	5,753	2 866	9 709	17
18	Timaru	12 111 023	754,627	6,231	57	212 474	46 364 031	6,707	1 374	33 744	103 818 544	5,672,872	5,464	8 505	12 207	18
19	Wairoa	273 730	25,032	9,145	5	54 746	6 038 330	8,997	262	23 047	18 641 880	1,174,643	6,301	1 946	9 580	19
20	Wellington	43 685 996	2,789,094	6,384	358	122 028	347 770 954	7,808	7 527	46 203	724 565 099	40,987,862	5,657	53 960	13 428	20
21	Whakatane	1 149 680	115,166	10,017	24	47 903	13 186 699	9,624	589	22 388	35 590 491	2,393,425	6,725	3 673	9 690	21
22	Whangarei	7 329 072	525,495	7,170	125	58 633	37 971 172	8,368	1 527	24 867	78 180 153	5,340,844	6,831	7 650	10 220	22
GRAND TOTALS		518 654 794	33,941,491	6,544	3 304	156 978	1 775 240 932	7,716	46 685	38 026	4 107 327 438	236,816,788	5,766	332 525	12 352	
		8 230 831 693	299,564,978	3,640	10 972	750 167	12 638 205 455	5,008	239 212	52 833	21 370 757 119	1,042,656,200	4,879	1 396 783	15 300	

NOTES: ¹Includes Southland Electric Power Supply. ²Shown separately but included with Electricity Division. ³Includes 3 008 486 kWh used free of charge for irrigation. ⁴Includes \$410,984 relating to previous years. ⁵Includes \$29,942 relating to previous year.

TABLE VII (PART III)—SUMMARY OF END USE OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1983

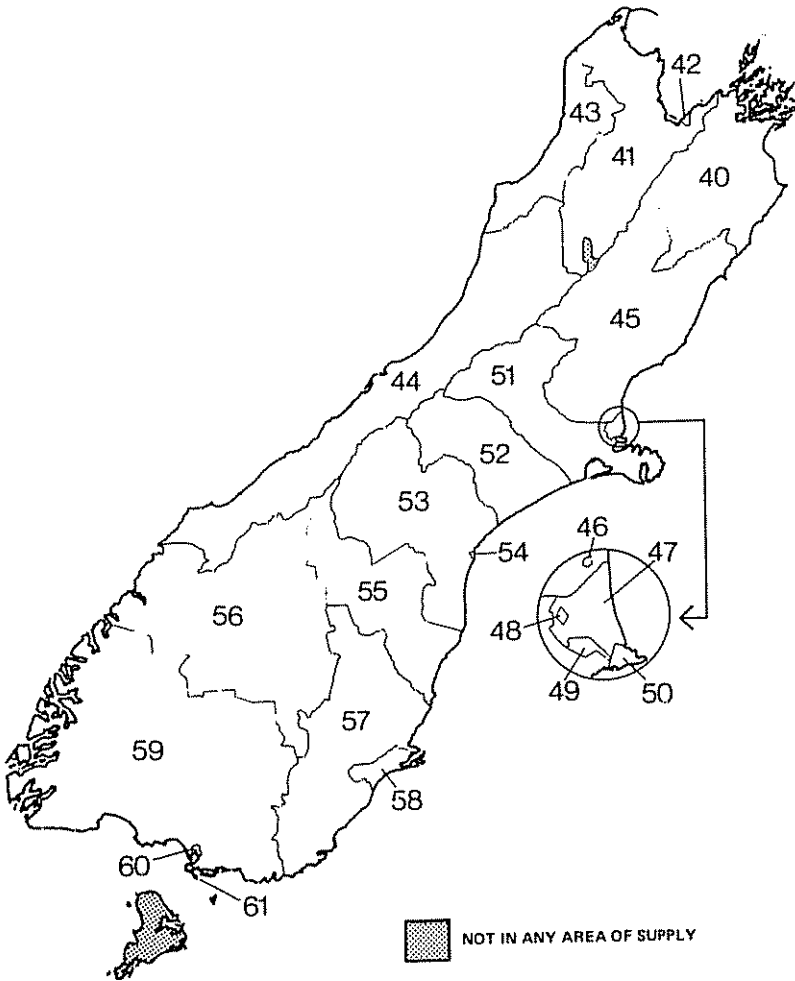
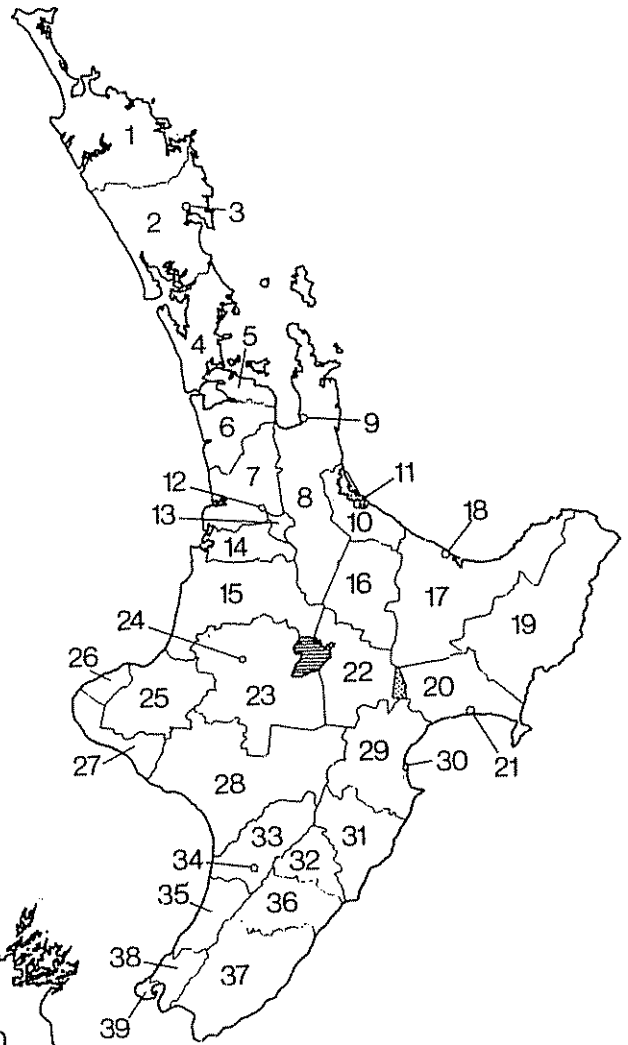
	Electricity Consumed	Income	Income per kWh sold	Consumers	Average kWh per Consumer
	kWh	\$	c	Number	kWh
Domestic	8 732 551 664	409,775,710	4.693	1 157 571	7 544
Commercial	3 734 493 849	285,531,673	7.646	146 200	25 544
Public Lighting	128 393 661	6,955,634	5.417	1 463	87 761
Farming	515 568 930	38,854,319	7.536	80 567	6 399
Railway Traction	25 286 675	1,778,046	7.032	8	3 160 834
Urban Traction	3 630 647	195,840	5.394	2	1 815 323
Coal Mining	32 354 461	2,120,055	6.553	82	394 567
Other Mining industries	108 079 728	6,854,718	6.342	389	277 840
Iron and steel basic: Non-ferrous metals	3 384 768 218	54,051,877	1.597	152	22 268 212
Manufacture of mechanical and electrical equipment	343 592 838	24,335,975	7.083	1 976	173 883
Manufacture of chemicals and chemical products	213 376 105	12,004,786	5.626	339	629 428
Manufacture of glass, pottery, china and earthenware and building materials	252 526 750	11,671,481	4.622	560	450 941
Food, beverage, and tobacco industries	1 293 334 462	80,358,810	6.213	2 535	510 191
Manufacture of textiles, leather and rubber products, and wearing apparel	230 251 369	16,058,377	6.974	1 068	215 591
Wood, paper, and pulp products	2 176 996 106	78,755,728	3.618	1 527	1 425 669
Other manufacturing industries not elsewhere classified	131 627 247	9,460,437 ¹	7.187	1 005	130 972
Construction works	63 924 409	3,892,734 ²	6.090	1 339	47 740
TOTAL RETAIL SALES	21 370 757 119	1,042,656,200	4.879	1 396 783	15 300

¹See note 5 Table VII (Part II), Page 25.²See note 4 Table VII (Part II), Page 25.

FIGURE 1: SUPPLY AUTHORITY LICENSED AREAS AS AT 31 MARCH 1983

NORTH ISLAND		
	No.	km ²
Auckland EPB ...	5	935
Bay of Islands EPB	1	6 830
Bay of Plenty EPB	17	8 389
Cambridge EPB	13	440
Central Hawke's Bay EPB	31	3 367
Central Waikato EPB	7	3 074
Dannevirke EPB	32	2 103
Egmont EPB	27	1 553
Franklin EPB ...	6	2 220
Hamilton City Council	12	14
Hawke's Bay EPB	29	4 967
Horowhenua EPB	35	1 628
Hutt Valley Energy Board	38	1 204
King Country EPB	23	7 384
Manawatu-Oroua EPB	33	3 383
Napier City Council	30	8
New Plymouth City Council	26	591
North Auckland EPB	2	5 725
Palmerston North City Council	34	19
Poverty Bay EPB	19	8 284
Rotorua AEA	16	3 870
Taranaki EPB	25	4 359
Taranaki EPB ...	36	2 850
Taumarunui Borough Council	24	20
Taupo Borough Council	22	3 455
Tauranga City Council	11	6
Tauranga EPB ...	10	1 728
Ta Awamutu EPB	14	1 424
Thames-Coromandel District Council	9	11
Thames Valley EPB	8	7 158
Wairarapa EPB ..	37	5 753
Wairoa Borough Council	21	6
Wairoa EPB	20	3 506
Waitemata EPB	4	2 890
Waitemoa EPB ...	15	6 221
Wanganui-Rangitikei EPB	28	9 472
Wellington MED	39	200
Whakatane District Council	18	6
Whangarei City Council	3	13

North Island Area of Supply: 115 065



SOUTH ISLAND		
	No.	km ²
Ashburton EPB	52	6 664
Bluff Borough Council	61	6
Buller EPB ...	43	4 645
Central Canterbury EPB	51	7 993
Christchurch MED	47	256
Dunedin City Council	58	1 101
Heathcote County Council	49	16
Invercargill City Council	60	27
Kaipoi Borough Council	46	4
Lyttelton Borough Council	50	10
Marlborough EPB	40	10 615
Nelson City Council	42	21
North Canterbury EPB	45	13 001
Otago EPB ...	57	12 349
Otago Central EPB	56	18 750
Riccarton Borough Council	48	3
South Canterbury EPB	53	10 585
Southland EPS	59	28 740
Tasman EPB ...	41	10 799
Timaru City Council	54	11
Wairaki EPB	55	7 741
West Coast EPB	44	18 017

South Island Area of Supply: 151 354

New Zealand Area of Supply: 266 419

NOT IN ANY AREA OF SUPPLY

TABLE VIII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1983

No.	Supply Authorities	Income from Sales of Electricity				Cost of Electricity				Cost of Operation and Maintenance				Other Supply Expenditure				Total Expenditure per kWh Sold	Loan Liability Percent of Depreciated Capital Expenditure	Surplus Percent of Gross Income	Loan Liability per Consumer
		Per kWh Sold (incl. Bulk Sales)	Per kWh Sold (Retail Sales)	Per kWh Sold (Domestic Supply)*	Per kWh Sold (Non-domestic Supply)*	Per kWh Sold (Retail Consumer Population)	Per kWh Generated	Per kWh Purchased	Per kWh Sold (Total)	Per kWh Sold (Administration and General)	Per kWh Sold (Interest on Loans)	Per kWh Sold (Depreciation)	Per kWh Sold	Per kWh Sold	Per kWh Sold	Per kWh Sold	%				
1	Electricity Division ¹	...	2,228	4,852	2,088	...	1,620	2,943	1,730	0,212	0,213	0,262	0,260	0,036	2,500	81.74	25.42	...			
Government Department		5,284	6,226	5,192	7,426	334.91	745.69	...	...	...	...	...	...	...	...	...	...	...
Southland ²		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Power Boards and Related Authorities:		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	Ashburton	6,301	6,301	5,456	7,290	370.11	718.52	3,346	3,727	0,418	0,546	0,434	0,250	0,410	5,367	52.61	14.39	639.11			
2	Auckland	4,841	4,841	4,129	5,389	277.22	688.98	3,655	3,806	0,389	0,536	0,234	0,083	0,198	4,857	20.60	2.37	19.31			
3	Bay of Islands	5,917	5,917	4,867	7,092	230.99	590.22	...	3,293	0,561	0,704	0,453	0,227	0,421	5,412	41.53	12.98	316.57			
4	Bay of Plenty	4,530	4,602	5,802	4,266	1,142.46	4,571	3,186	3,618	0,259	0,405	0,280	0,073	0,145	4,520	79.41	3.30	1,883.42			
5	Buller	4,620	4,620	5,065	4,486	384.40	827.96	...	3,081	0,316	0,434	0,398	0,072	0,174	4,364	26.78	7.30	160.75			
6	Cambridge	5,760	5,760	4,697	6,863	300.17	664.62	...	3,847	0,443	0,557	0,321	0,011	0,243	4,980	1.64	16.60	10.47			
7	Central Canterbury	5,566	5,566	4,568	6,131	435.76	907.67	...	3,698	0,432	0,598	0,424	0,035	0,263	5,018	5.43	11.36	49.09			
8	Central Hawke's Bay	5,962	5,962	5,048	7,746	310.24	597.23	...	3,852	0,501	0,554	0,312	0,177	0,308	5,383	25.52	11.04	170.50			
9	Central Waikato	6,650	6,651	6,102	7,347	249.74	657.07	...	3,671	0,607	0,727	0,559	0,199	0,355	5,756	30.00	13.66	201.62			
10	Dannevirke	6,153	6,153	4,894	8,019	314.50	624.98	...	3,375	0,473	0,584	0,524	0,112	0,371	5,176	15.46	14.93	115.47			
11	Edmont	5,448	5,448	4,482	6,153	363.75	741.03	4,810	3,390	0,646	0,812	0,588	0,017	0,215	5,023	80.55	8.53	3,796.63			
12	Franklin	5,815	5,815	4,979	7,056	244.24	515.24	...	3,839	0,609	0,758	0,467	0,113	0,261	5,439	28.40	7.59	121.78			
13	Hawke's Bay	4,661	4,742	4,539	6,482	388.05	990.43	...	3,250	0,269	0,309	0,170	0,075	0,190	4,055	22.79	14.87	170.77			
14	Horowhenua	6,652	6,652	5,499	8,971	288.02	553.27	...	3,639	0,905	1,110	0,502	0,216	0,349	6,076	27.04	10.84	157.52			
15	Hutt Valley	6,013	6,013	4,475	8,431	267.80	731.95	...	3,780	0,639	0,825	0,504	0,140	0,194	5,613	30.02	9.09	171.93			
16	King Country	3,822	3,771	3,652	3,816	389.58	799.44	0,918	3,064	0,287	0,381	0,213	0,021	0,109	3,797	50.20	3.91	153.37			
17	Manawatu-Oroua	5,165	6,136	4,473	7,622	326.98	770.88	...	3,321	0,350	0,395	0,264	0,036	0,188	4,524	12.20	12.96	84.52			
18	Nairnborough	6,315	6,315	5,074	8,340	277.13	606.91	2,594	3,577	0,907	1,079	0,420	0,281	0,578	5,780	72.98	11.71	1,360.51			
19	North Auckland	5,006	5,340	5,031	5,573	278.66	567.67	...	3,293	0,462	0,378	0,381	0,142	0,289	4,757	32.82	6.59	307.83			
20	North Canterbury	6,184	6,441	5,813	7,124	331.79	672.59	...	3,400	0,588	0,770	0,465	0,292	0,328	5,482	42.18	11.86	342.46			
21	Otago	6,372	6,372	5,512	7,657	364.91	639.58	...	3,514	0,685	0,829	0,464	0,186	0,275	5,665	69.94	10.64	1,209.35			
22	Otago Central	5,348	5,554	4,337	6,942	368.05	669.51	1,080	3,680	0,494	0,584	0,448	0,201	0,251	3,938	62.30	22.64	756.74			
23	Poverty Bay	6,776	6,776	5,510	8,622	280.03	627.81	...	3,622	0,993	1,220	0,582	0,193	0,302	6,186	33.21	10.36	200.68			
24	Rotorua	6,020	6,022	4,788	7,610	239.92	619.65	...	3,681	0,572	0,706	0,504	0,076	0,192	5,504	81.93	12.45	1,434.14			
25	South Canterbury	5,140	5,936	4,754	7,587	330.47	745.37	...	3,442	0,500	0,605	0,345	0,072	0,194	4,824	20.05	8.68	170.25			
26	Taranaki	5,843	4,269	4,269	7,375	328.38	685.04	1,068	3,317	0,555	0,668	0,399	0,063	0,342	4,790	14.27	19.29	107.26			
27	Taranaki	7,392	7,392	5,801	9,775	377.30	635.41	...	3,499	0,748	0,953	0,840	0,264	0,488	6,500	27.62	12.57	231.80			
28	Tasman	5,287	5,946	4,825	7,148	304.09	667.60	...	3,466	0,295	0,398	0,374	0,147	0,263	4,821	28.81	8.98	205.16			
29	Tauranga	5,902	6,270	5,392	7,737	248.79	551.52	2,979	3,569	0,419	0,634	0,305	0,178	0,271	5,012	70.31	16.44	1,508.82			
30	Tc Awamutu	5,906	5,907	4,917	7,402	261.14	533.24	...	3,389	0,423	0,637	0,427	0,001	0,277	4,976	0.37	17.24	1.94			
31	Thames Valley	4,533	4,541	5,330	4,309	506.59	989.80	...	3,254	0,305	0,399	0,210	0,098	0,136	4,213	41.49	7.56	229.07			
32	Wairarapa	6,388	6,388	5,627	7,688	313.04	664.29	1,921	3,526	0,597	0,875	0,506	0,458	0,460	6,054	71.70	5.65	491.90			
33	Waioata	5,244	6,313	5,505	7,078	325.31	590.36	...	3,586	0,413	0,533	0,520	0,086	0,181	5,076	80.91	5.67	2,043.19			
34	Waikato	6,350	5,074	5,074	7,819	365.80	739.67	...	3,478	0,598	0,878	0,503	0,123	0,417	5,641	13.70	13.73	115.17			
35	Waitemata	6,138	6,138	5,177	8,342	214.43	532.85	69,766	3,982	0,466	0,658	0,366	0,194	0,264	5,464	38.71	14.62	172.72			
36	Waitemata	6,204	4,942	4,942	7,559	352.05	650.06	3,133	3,972	0,581	0,727	0,503	0,105	0,497	5,804	43.96	7.01	582.55			
37	Wanganui-Rangitikei	5,438	4,719	6,231	7,623	272.30	581.38	1,087	3,788	0,614	0,796	0,374	0,071	0,231	5,261	17.39	5.52	79.66			
38	West Coast	7,684	7,695	5,960	9,096	317.68	758.74	3,422	3,675	0,816	1,213	0,800	0,395	0,519	6,876	63.81	17.73	1,248.79			
Total		5,411	5,507	4,842	6,124	295.19	686.20	2,881	3,526	0,453	0,601	0,349	0,123	0,238	5,002	44.61	9.59	373.22			

TABLE VIII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Income from Sales of Electricity				Cost of Electricity				Operation and Maintenance		Other Supply Expenditure			Total Expenditure per kWh Sold	Loan Liability Percent of Depreciated Capital Expenditure	Surplus Percent of Gross Income	Loan Liability per Consumer
		Per kWh Sold (incl. Bulk Sales)	Per kWh Sold (Retail Sales)	Per kWh Sold (Domestic Supply) ¹	Per kWh Sold (Non-domestic Supply) ²	Per Head of Population ³	Per kWh Retail Consumer	Per kWh Gen-erated	Per kWh Pur-chased	Per kWh Sold	Per kWh sold (Trans-mission and Dis-tri-bution)	Per kWh Sold (Total)	Per kWh Sold (Admini-stration and General)	Per kWh Sold (Interest on Loans)					Per kWh Sold (Depre-ciation)	%	%	$
<i>Territorial Authorities:</i>																		
1	Bluff	5.661	5.661	5.111	6.080	331.59	775.19	3.834	4.174	1.053	1.097	0.352	0.012	0.231	5.635	3.74	2.00	10.61
2	Christchurch	5.593	5.593	4.194	8.020	290.74	688.50	3.887	4.063	0.269	0.426	0.270	0.040	0.203	5.031	12.30	10.42	50.50
3	Dunedin	5.383	5.383	4.346	6.812	326.69	747.89	3.161	2.912	0.514	0.599	0.448	0.018	0.203	4.180	3.72	23.73	28.43
4	Hamilton	7.517	7.517	6.027	8.461	401.29	728.91	4.299	4.436	0.952	1.219	0.932	...	...	6.587	...	15.04	...
5	Heathcote	4.698	4.698	4.215	5.137	333.39	929.36	3.546	3.703	0.031	0.078	0.583	0.070	...	4.432	14.86	12.30	115.54
6	Invercargill	5.799	5.894	4.774	7.666	303.96	742.96	3.786	4.035	0.489	0.609	0.273	0.090	0.159	5.166	40.04	11.45	203.00
7	Kaipara	6.059	6.059	5.302	7.635	246.33	638.32	3.896	3.973	1.134	0.332	0.940	0.077	0.040	5.362	18.02	12.14	83.38
8	Lytelton	6.446	6.446	4.603	9.113	356.81	739.29	3.761	3.933	1.124	1.244	0.765	...	...	5.943	...	6.86	...
9	Napier	7.357	7.357	5.219	9.048	421.76	906.52	3.682	3.836	0.582	1.257	0.773	0.370	0.377	6.612	46.69	15.67	487.19
10	Nelson	6.397	6.397	3.882	8.813	359.52	851.21	3.597	3.791	0.683	0.902	0.493	0.117	0.160	5.463	32.61	15.82	185.91
11	New Plymouth	5.782	5.782	4.322	7.567	272.56	618.30	3.433	3.460	0.600	0.774	0.427	0.045	0.244	4.950	10.62	14.03	53.16
12	Palmerston North	5.863	5.863	4.225	8.490	238.29	570.67	3.716	4.002	0.663	0.792	0.527	0.034	0.131	5.486	14.29	7.23	49.04
13	Riccarton	6.380	6.380	3.975	9.288	407.96	782.13	3.989	4.261	0.425	0.614	0.684	0.154	0.005	5.740	34.60	11.59	224.56
14	Taumarunui	5.604	5.604	4.010	7.721	264.80	630.70	3.666	4.467	0.600	0.696	0.725	...	...	5.291	14.57	10.90	114.38
15	Taupo	6.068	6.068	4.894	6.978	367.93	792.60	3.601	4.009	0.432	0.475	0.934	0.274	0.255	5.947	62.85	7.24	952.71
16	Tauranga	5.964	5.964	3.824	7.127	500.07	723.56	2.089	3.784	0.254	0.376	0.675	0.041	...	4.877	4.99	21.29	46.46
17	Thames-Coromandel	5.753	5.753	5.067	6.528	255.33	558.58	4.269	4.431	0.444	0.649	0.538	...	0.097	5.714	...	0.86	...
18	Timaru	5.464	5.464	4.461	6.707	309.99	667.00	3.545	3.787	0.227	0.436	0.455	0.098	0.167	4.944	33.71	10.98	209.03
19	Wairoa	6.301	6.301	5.009	8.997	216.72	603.62	3.690	4.098	0.566	0.728	0.703	0.036	0.175	5.741	9.68	10.45	42.94
20	Wellington	5.657	5.657	3.672	7.808	356.42	759.60	3.750	3.965	0.424	0.653	0.391	0.059	0.126	5.195	14.84	9.36	110.82
21	Whakane	6.725	6.725	5.018	9.624	253.54	651.63	3.836	4.101	0.316	0.423	0.831	0.001	0.260	5.617	0.25	17.98	1.16
22	Whangarei	6.831	6.831	5.380	8.368	306.07	698.15	3.856	4.062	0.352	0.438	1.122	...	0.051	5.673	...	17.03	...
AVERAGES FOR NEW ZEALAND		5.761	5.766	4.281	7.716	313.67	712.18	3.713	3.811	0.430	0.594	0.439	0.056	0.179	5.080	17.02	13.00	99.66
		...	4.879	4.693	5.008	323.63	746.47	1.645	3.267	1.831	0.585	0.712	0.572	0.222	3.688	70.90	26.08	...
1982		...	4.306	4.137	4.425	272.10	628.41	1.403	1.648	1.603	0.529	0.643	0.336	0.207	3.319	74.49	24.83	...
1981		...	3.915	3.776	4.013	242.34	561.26	1.268	1.505	1.435	0.535	0.460	0.320	0.193	2.943	77.72	26.87	...
1980		...	3.579	3.442	3.676	216.94	506.53	1.138	1.388	1.290	0.359	0.447	0.287	0.176	2.580	73.25	29.00	...
1979		...	2.538	2.456	2.636	134.63	365.44	1.085	0.878	1.241	0.310	0.385	0.250	0.157	2.358	75.21	9.61	...
1978		...	2.365	2.303	2.414	142.48	341.44	1.028	1.005	1.157	0.264	0.327	0.197	0.143	2.102	73.83	7.82	...

NOTES: ¹Includes Southland Electric Power Supply. ²Shown separately but included with the Electricity Division. ³Cost of electricity purchased from private plants. ⁴See note 6, Table VI. ⁵Retail sales. ⁶Also shown on Table VII.

TABLE IX—STATISTICS OF POPULATION, CONSUMERS, LICENSED AREA, STAFF EMPLOYED
FOR THE YEAR ENDED 31 MARCH 1983

No.	Electricity Division ¹	Supply Authorities	Licensed Area (km ²)	Population in Area of Supply	Total Number of Retail Consumers ¹	Total Number of Domestic Consumers ¹	Population per Square Kilometre of Licensed Area	Total Retail Consumers per Square Kilometre of Licensed Area	Ratio of Total Retail Consumers to Population (percent)	Ratio of Total Domestic Consumers to Population (percent)	Total Retail Consumers per Circuit Kilometre of Line	Staff Employed	No.
1	Government Department												
1	Southland ¹		28 740	70 400	31 618	23 661	2.45	1.10	44.91	33.61	4.01	238	1
<i>Power Boards and Related Authorities:</i>													
1	Ashburton		6 664	24 900	12 826	9 468	3.74	1.92	51.51	38.02	4.12	119	1
2	Franklin		935	512 300	206 128	178 934	547.92	220.46	40.24	34.93	28.55	1 022	2
3	Bay of Islands		6 830	44 500	17 416	13 380	6.52	7.55	39.14	30.07	4.23	135	3
4	Bay of Plenty		8 389	39 100	15 646	11 700	4.66	1.87	40.02	29.92	7.65	150	4
5	Buller		4 645	8 370	3 886	3 108	1.80	0.84	46.43	37.13	5.61	35	5
6	Cambridge		440	13 750	6 210	4 600	31.25	14.11	45.16	33.45	6.08	32	6
7	Central Canterbury		7 993	45 600	21 892	16 501	5.70	2.74	48.01	36.19	6.45	195	7
8	Central Hawke's Bay		3 367	13 000	6 753	5 069	3.86	2.01	51.95	38.99	3.15	38	8
9	Central Waikato		3 074	109 600	41 657	35 156	35.65	13.55	38.01	32.08	8.70	287	9
10	Dannevirke		2 103	12 100	6 089	4 410	5.75	2.90	50.32	36.45	5.95	50	10
11	Egmont		1 553	24 200	11 879	8 592	15.58	7.65	49.09	35.50	6.79	95	11
12	Franklin		2 220	44 500	21 094	14 722	20.05	9.50	47.40	33.08	7.58	119	12
13	Hawke's Bay		4 967	104 300	40 865	34 658	21.00	8.23	39.18	33.23	9.12	319	13
14	Horowhenua		1 628	54 100	28 163	24 468	33.23	17.30	52.06	45.23	16.90	189	14
15	Hutt Valley		1 204	206 200	75 442	68 365	171.22	62.64	36.59	31.15	34.96	518	15
16	King Country		7 384	17 500	8 528	6 557	2.37	1.15	48.73	37.47	3.65	61	16
17	Manawatu-Oroua		3 383	51 100	21 675	16 822	15.10	6.41	42.42	32.92	8.49	142	17
18	Marborough		10 615	33 400	15 251	12 141	3.15	1.44	45.66	36.35	5.86	140	18
19	North Auckland		5 725	54 300	25 748	20 106	9.48	4.50	47.42	37.03	5.68	204	19
20	North Canterbury		13 001	33 000	16 279	12 323	2.54	1.25	49.33	37.34	3.85	139	20
21	Otago		12 349	25 500	14 549	10 689	2.06	1.18	57.05	41.92	3.23	122	21
22	Otago Central		18 750	22 000	12 094	9 769	1.17	0.65	54.97	44.40	5.21	160	22
23	Poverty Bay		8 284	46 400	20 696	15 791	5.60	2.50	44.60	34.03	7.50	147	23
24	Rotorua		3 870	60 100	23 370	19 115	15.53	6.01	38.72	31.81	12.89	128	24
25	South Canterbury		10 585	39 900	17 690	15 432	3.77	1.67	44.34	38.68	5.40	168	25
26	Taranaki		4 359	27 900	13 374	9 584	6.40	3.07	47.94	34.35	5.47	102	26
27	Taranua		2 850	7 890	4 685	3 196	2.77	1.64	59.38	40.51	3.38	39	27
28	Tasman		10 799	50 200	22 866	18 036	4.65	2.12	45.55	35.93	6.96	197	28
29	Tauranga		1 728	74 900	33 787	27 574	43.34	19.55	45.11	36.81	9.60	248	29
30	Te Awamutu		1 424	21 000	10 284	6 965	14.74	7.22	48.97	33.17	8.27	42	30
31	Thames Valley		7 158	89 300	45 705	35 203	12.48	6.39	51.18	39.42	6.63	305	31
32	Waikaiti		5 753	37 000	17 436	13 592	6.43	3.03	47.12	36.74	5.95	156	32
33	Waikato		3 506	5 840	3 218	2 211	1.67	0.92	55.10	31.3	3.13	34	33
34	Waikiki		7 741	22 000	10 880	8 573	2.84	1.41	49.45	38.97	6.02	99	34
35	Waitemata		2 890	307 200	123 625	109 010	106.30	42.78	40.24	35.49	14.37	548	35
36	Waitemoa		6 221	19 700	10 669	7 002	3.17	1.71	54.16	35.54	3.76	89	36
37	Wanganui-Rangitikei		9 472	68 400	32 026	25 297	7.22	3.38	46.82	36.98	7.73	198	37
38	West Coast		18 017	25 300	10 593	8 219	1.40	0.59	41.87	32.49	5.97	158	38
			231 877	2 396 300	1 030 874	846 338	10.33	4.45	43.02	35.32	8.95	6 929	

TABLE IX—STATISTICS OF POPULATION¹, CONSUMERS, LICENSED AREA, STAFF EMPLOYED
FOR THE YEAR ENDED 31 MARCH 1983—continued

No.	Supply Authorities	Licensed Area (km ²)	Population in Area of Supply	Total Number of Retail Consumers ¹	Total Number of Domestic Consumers ¹	Population per Square Kilometre of Licensed Area	Total Retail Consumers per Square Kilometre of Licensed Area	Ratio of Total Retail Consumers to Population (percent)	Ratio of Total Domestic Consumers to Population (percent)	Total Retail Consumers per Circuit Kilometre of Line	Staff Employed	No.
<i>Territorial Authorities:</i>												
1	Bluff ..	6	2 630	1 125	928	406.18	173.75	42.78	35.29	29.39	11	1
2	Christchurch ..	256	241 900	102 149	92 008	944.92	395.02	42.23	38.04	34.86	560	2
3	Dunedin ..	1 101	108 700	47 482	41 021	98.73	43.13	43.68	37.74	26.16	361	3
4	Hamilton ..	14	22 600	12 442	9 320	1 615.44	889.35	55.05	41.24	43.43	107	4
5	Heathcote ..	16	6 760	2 425	2 276	422.50	151.56	35.87	33.67	28.20	15	5
6	Invercargill ..	27	38 500	15 751	13 881	1 446.50	591.79	40.91	36.05	36.94	85	6
7	Kaipoi ..	4	4 610	1 779	1 636	1 188.14	458.51	38.59	35.49	42.47	11	7
8	Lytelton ..	10	2 650	1 279	1 118	122.98	122.98	48.26	42.19	29.68	12	8
9	Napier ..	8	11 800	5 490	4 351	1 463.48	680.89	46.53	36.87	36.59	66	9
10	Nelson ..	21	16 900	7 138	5 918	819.20	346.00	42.24	35.02	41.52	60	10
11	New Plymouth ..	591	50 000	22 041	18 196	84.67	37.33	44.08	36.39	18.96	157	11
12	Palmerston North ..	19	41 800	17 454	14 876	2 226.96	929.89	41.76	35.59	47.59	86	12
13	Riccarton ..	3	6 480	3 380	2 842	2 274.48	1 186.38	52.16	43.86	50.28	27	13
14	Taumarunui ..	20	4 080	1 713	1 290	201.70	84.68	41.99	31.62	37.73	12	14
15	Taupo ..	3 455	18 050	8 379	6 920	5.22	2.43	46.42	38.34	10.06	67	15
16	Tauranga ..	5	5 640	3 898	2 429	1 216.57	840.81	69.11	43.07	27.75	24	16
17	Thames-Coromandel ..	11	6 270	2 866	2 375	569.64	260.38	45.71	37.88	23.72	15	17
18	Timaru ..	11	18 300	8 505	7 131	1 662.58	772.69	46.48	38.97	43.43	52	18
19	Wairoa ..	6	5 420	1 946	1 684	837.07	300.54	35.90	31.07	26.18	12	19
20	Wellington ..	200	115 000	53 960	46 433	574.43	269.53	46.92	40.38	34.39	308	20
21	Whakatane ..	6	9 440	3 673	3 084	1 620.04	630.34	38.91	32.67	52.80	19	21
22	Whangarei ..	13	17 450	7 650	6 123	1 342.31	588.46	43.84	35.09	49.59	29	22
GRAND TOTALS		5 803	754 860	332 525	285 840	130.08	57.30	44.05	37.87	30.82	2 096	
		266 419	3 221 560	1 396 783	1 137 571	12.09	5.24	43.36	35.93	9.28	15 780	

Total population as at 31 March 1983 was 3 230 000.⁴ Mean population as at 31 March 1983 was 3 192 100.⁴ Ratio of population in area of supply to total population was 99.7 percent.

NOTES: For detailed analysis see Table VI. ¹Includes Southland Electric Power Supply. ²Shown separately but included with the Electricity Division. ³Provisional, individual populations do not sum to the subtotals or total shown due to the Department of Statistics rounding rules, i.e. less than 10 000 to the nearest 10; 10 000 to the nearest 50; 20 000 and greater to nearest 100.

TABLE X—STATISTICS RELATING TO ELECTRICAL REGISTRATION BOARD, YEAR ENDED 31 MARCH 1983

(Figures in parenthesis are for previous year)

1. Number of board meetings: 11 (13)

	During the year			Total	Current Registration	Removed from Register
	New	Re-regis-tration	Total			
2. Registration						
Inspectors	39 (36)	—	39 (36)	641 (609)	7 (26)	
Electrical technicians	35 (51)	15 (31)	50 (82)	2 072 (2 037)	15 (9)	
Electricians	740 (680)	249 (520)	989 (1 200)	13 741 (12 820)	68 (80)	
Electrical mechanics	62 (42)	10 (10)	72 (52)	519 (472)	25 (8)	
Radio-Electronics serviceman	229 (74)	106 (107)	335 (181)	3 833 (3 501)	3 (7)	
Electrical appliance serviceman	153 (299)	—	153 (299)	494 (342)	1 (—)	
Restricted certificate	468 (335)	—	468 (335)	1 875 (1 432)	27 (9)	
				Total for Year	Total to Date	
Provisional licences	270 (88)		26 (182)	296 (270)	2 424 (2 128)	
Permits to assist	202 (196)					
Applications for ruling on experience as electrical technician	118 (119)					
Application for ruling on experience—others	952 (735)					

Includes 192 from overseas, and 148 claiming credit for unauthorised experience in New Zealand.

3. Applications for electrical technicians declined: 83 (90)

4. Examinations

Two examinations were held as follows:
 Practical—1 May, 16 October.
 Written—30 October, a.m. and p.m.

	Papers Set	Passed	Pass Percentage	Highest Marks
Electricians and electrical fitters theory paper	774 (903)	501	65 (65)	89 (96)
Electricians and electrical fitters regulations papers	750 (896)	597	80 (75)	52/46 (52/46)
Electricians and electrical fitters two practical papers	234 (220)	166	71 (74)	92 (96)
Radio-electronics serviceman's theory paper	114 (87)	97	85 (90)	88 (94)
Radio-electronics serviceman's wiring paper	264 (193)	247	94 (84)	93 (98)
Restricted certificate—written paper	335 (294)	230	69 (62)	90 (95)
Radio-electronics servicemen and restricted certificate—two practical papers	323 (400)	280	87 (84)	96 (98)
Candidates given special examinations	95 (42)			

5. Breach of Work and Defective Work

Defective work reports	5 (3)
Breach of Act	11 (16)
Prosecutions authorised	11 (11)
Prosecutions completed	13 (3)
Demotions	4 (1)

Appendix I

GLOSSARY OF TERMS USED

This publication is divided into two sections:

Section A—relates solely to the operations of the Electricity Division of the Ministry of Energy (see below) and;

Section B—shows the years combined results of the operations of both the Electricity Division and the Electrical Supply Authorities (see below).

The following is a description of some of the terms used, supplementing the notes included at the foot of each table:

The Electricity Division is a division of the Ministry of Energy. The Ministry of Energy was formed by the Ministry of Energy Act 1977 combining, from 1 4.78, the then New Zealand Electricity Department; Mines Department; and Ministry of Energy Resources. These became the Electricity Division (also known as New Zealand Electricity); the Mines Division; and the Planning and the Oil and Gas Divisions respectively.

The Electricity Division is responsible for the bulk generation and transmission of electricity throughout New Zealand, and the sale of electricity in bulk to the Electrical Supply Authorities (see below). It also acts as distribution authority in part of Southland province as the Southland Electric Power Supply, and supplies some major industrial organisations and a number of small commercial, industrial, and domestic consumers.

Electrical Supply Authority means one of those bodies which purchase electricity in bulk for distribution to its consumers. The supply authorities consist of two basic types:

Power Boards and Related Authorities being Electric Power Boards (generally constituted under the Electric Power Boards Act 1925), an Energy Board, and an Area Electric Authority;

Territorial Authorities being sections of Borough, City, County, or District Councils.

In addition to these organisations is a Government Department namely Southland Electric Power Supply (part of the Electricity Division). Information on this authority in these statistics, is included in the Electricity Division figures, however it is also shown separately in some tables for information purposes.

Power is the rate at which electrical energy is produced or used and is measured in watts(W), or more conveniently kilowatts(kW), or megawatts(MW). It is usually recorded (and shown in these statistics) as the average over a period (typically a half-hour), rather than as instantaneous values.

Load, in the context of this publication, is the total power used or supplied to a defined block (e.g. New Zealand or a supply authority) integrated over a period (usually a half-hour). Thus the national maximum load is the maximum energy generated or consumed in any half-hour in the year.

Energy is work done. It is measured in the electrical industry in kilowatt-hours (kWh), sometimes still referred to as units, or for large quantities gigawatt-hours(GWh). Therefore a device with a rating of 1000 watts or 1 kilowatt running for 1 hour would consume 1 kilowatt-hour of electricity. A similar device running for half an hour or two hours would use 0.5 kWh or 2 kWh respectively.

1,000 watts = kilowatt (kW)

1,000 kilowatts = megawatt (1 MW)

1,000 watts (1 kW) for one hour = kilowatt-hour (1 kWh)

1,000,000 kWh = Gigawatt-hour (1 GWh)

Load Factor is the ratio of average to maximum power usually expressed as a percentage.

Installed Capacity of a power station, in this publication, is the "in-situ maximum" rating, to take into account any permanent up or down rating. Prior to the year ended 31 March 1982 the "name-plate" rating was used in this publication.

Generation is published as gross for hydro stations and nett for thermal stations (see below), throughout these statistics.

Nett Thermal excludes the electricity used to allow a thermal power station to run e.g. that used for pumps, fans, crushers, excitation, lighting, and heating.

Gross Hydro is the total output of a hydro power station metered at the generator terminals

Internal Use shown in section A (table i) refers to the electricity used by hydro stations, substations, synchronous condensers, depots, etc.

Line Losses shown in section A (table i) refers to the losses incurred by the Electricity Division in the transmission of electricity to its bulk and retail consumers.

Purchased refers to the electricity brought in bulk from the Electricity Division, a supply authority, or a Private Plant.

Private Plants refer to commercial and industrial organisations who generate for their own use. The amounts shown in this publication are the quantities of energy generated over and above the organisation's own requirements, and is fed into their supply authority's network.

Bulk Sales refers to the electricity sold to a supply authority for distribution to its consumers. The Electricity Division sells in bulk to most Electrical Supply Authorities. Those not supplied in this way purchase their requirements from another supply authority. Small exchanges between neighbouring authorities are also included under this heading.

Retail Sales is the electricity sold by a supply authority (or the Electricity Division) to its consumers for the consumer's own end use—(Domestic, Industrial etc., see Table VII (Parts I-III)). As the electrical supply industry only keep end use of electricity information in the categories shown in the table, it is not possible to provide similar information based on an alternate classification system such as NZSIC (New Zealand Standard Industrial Classification).

Domestic refers to each separately metered private dwelling, i.e. private houses. It excludes hotels, hostels, institutions, etc. included in commercial but does include normally unoccupied holiday homes, beach houses etc.

Non-domestic—see Table VII (Part III). This refers to all uses listed except Domestic, i.e. all consumption, commercial to construction works inclusive.

Farming includes all types of farming, agriculture, horticulture, beekeeping, etc. It excludes separately metered farm houses which are included in domestic but includes houses where separate metering is not available and the farming activity is the dominant use.

Industrial—see Table VII (Part III). This refers to all consumption for mining, quarrying, smelting, manufacturing and construction, i.e. coal mining to construction works inclusive.

Circuit Kilometres of Line refers to the circuit length of reticulation, distribution, and transmission lines and cables, i.e. if two or more lines share the same route, the circuit length is two or more times the actual length of the route.

Appendix 2

ANNUAL STATISTICS IN RELATION TO ELECTRIC POWER DEVELOPMENT AND OPERATION—YEAR ENDED 31 MARCH 1982

The following amendments are necessary:

Population figures noted provisional in the following tables are now confirmed as being final:

Condensed Statistics, Page 5 — Items 7, 8, 25, 26, 27, 28.

Table V, Pages 20 and 21 — kWh sold (average) per head of population

Table VII, Pages 28 and 29 — Income from sales of electricity — per head of population

Table VIII, Pages 30 and 31 — Population in area of supply. Total and mean population at foot of table

Condensed Statistics — Page 5

Item 15, Generation expenditure	shows 265.2	amend to 322.0
Item 16, Total cost of electricity	shows 265.5	amend to 322.2
Item 17, Other supply expenditure	shows 401.8	amend to 345.0

Table I (Part I), Page 6

Financial results of Generation, Distribution, and Operation

Cost of Generation — Loan Interest		
Electricity Division	shows 117,591,033	amend to 174,355,409
Totals and Net Income and Cost	shows 125,071,752	amend to 181,836,138

Cost of Generation — Total		
Electricity Division	shows 248,262,273	amend to 305,026,649
Totals and Net Income and Cost	shows 265,226,087	amend to 321,990,463

Cost of Electricity — Total		
Electricity Division	shows 248,605,219	amend to 305,369,595
Totals	shows 807,713,263	amend to 864,776,639
Net Income and Cost	shows 265,477,700	amend to 322,242,076

Table I (Part II), Page 8

Financial results of Generation, Distribution, and Operation

Expenditure — Cost of Electricity		
Electricity Division	shows 248,605,219	amend to 305,369,595
Totals	shows 807,713,263	amend to 864,776,639
Net Expenditure	shows 265,477,700	amend to 322,242,076

Loan Interest		
Electricity Division	shows 107,398,583	amend to 58,398,583
Totals and Net Expenditure	shows 124,346,765	amend to 67,582,389

Table VII, Page 28

Averages Derived From Previous Tables

Cost of electricity — per kWh generated		
Electricity Division	shows 1.116	amend to 1.373
Averages for New Zealand	shows 1.156	amend to 1.403

Cost of electricity — per kWh sold		
Electricity Division	shows 1.221	amend to 1.500
Averages for New Zealand	shows 1.321	amend to 1.603

Other supply expenditure — per kWh sold (interest on loans)		
Electricity Division	shows 0.526	amend to 0.247
Averages for New Zealand	shows 0.619	amend to 0.336

Table IV, Page 19 — Statistics of Generating Plant, System Voltages etc.

Voltages — Transmission		
Territorial Authorities		
Tauranga City Council	shows 3 300	amend to 33 000

Table VII, Page 29 — Averages Derived From Previous Tables

Averages for New Zealand	
Cost of electricity per kWh generated 1.156 — delete note 3.	
Cost of electricity per kWh purchased 1.648 — insert note 3.	