

ANNUAL STATISTICS IN RELATION TO

ELECTRIC POWER DEVELOPMENT AND OPERATION IN NEW ZEALAND

FOR THE YEAR ENDED 31 MARCH 1985

LIST OF CONTENTS

ELECTRICITY DIVISION (Ministry of Energy) ONLY

Page		
2	(i)	Summary of Operating Results
2	(ii)	Statement of Profit and Loss and Loan Repayment
2	(iii)	Statement of Financial Position
2	(iv)	Summary of Operating Costs
3	(v)	Analysis of Capital Outlay

COMBINED RESULTS OF THE ELECTRICITY DIVISION (M.O.E.) AND THE ELECTRICAL SUPPLY AUTHORITIES

Page		
5		Condensed Statistics
	TABLE I	Financial Results of Generation, Distribution and Operation
6	(Part I)	Income; Cost of Generation and Electricity Purchased
8	(Part II)	Cost of Operation and Maintenance (Transmission and Distribution); Other Costs; Gross Expenditure; Net Results Surplus
	TABLE II	Balance Sheet
10	(Part I)	Liabilities and Reserves
12	(Part II)	Assets
14	TABLE III	Capital Expenditure During Year
16	TABLE IV	Generation by Electricity Division Power Stations
17	TABLE V	Generating Plant; System Voltages; Distribution Substations; Overhead Lines and Underground Cables.
20	TABLE VI	Generation; Distribution; Consumption; Demand; Load Factor
	TABLE VII	Consumption of Electricity
22	(Part I)	Domestic; Commercial; Farming
24	(Part II)	Industrial; Non-domestic; Total Retail Sales
26	(Part III)	Summary of End Use of Electricity
27	FIGURE 1:	Licensed Areas of Supply Authorities
28	TABLE VIII	Averages Derived from Previous Tables
30	TABLE IX	Population; Consumers; Ratios; Staff Employed
32	TABLE X	Electrical Registration Board Statistics
33	APPENDIX 1	Glossary of Terms
34	APPENDIX 2	Errata 1984 Statistics

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

(i) SUMMARY OF OPERATING RESULTS FOR YEAR ENDED 31 MARCH 1985

Maximum load (kilowatts)	4 641 600	Revenue—	cents
Average load (kilowatts)	2 942 100	Per kWh output ¹	3.210
Annual load factor (percent)	63.39	Per kWh sold	3.443
Electricity output (generated and purchased)	25 772 771 776	Working costs (including administration)—	
Electricity sold (in bulk and retail)	24 020 703 695	Per kWh output ¹	1.109
Electricity unsold (internal use)	84 243 717	Per kWh sold	1.189
Line losses (transmission and distribution)	1 667 824 364	Capital charges—	
		Per kWh output ¹	1.624
		Per kWh sold	1.742
		Total Costs—	
		Per kWh output ¹	2.734
		Per kWh sold	2.932

ELECTRICITY DIVISION, M.O.E. ONLY

(ii) STATEMENT OF PROFIT AND LOSS FOR THE YEAR ENDED 31 MARCH 1985²

	\$	\$	\$	\$
Working costs		316,459,399 ¹	Income—	
Capital Charges—			Sales of energy	827,038,042 ²
Interest	255,846,159 ¹		Rents and miscellaneous receipts	19,969,747 ²
Depreciation including interest on depreciation account	71,704,526		Net increase in General Reserve Account	847,007,789
Loan capital repayments		327,550,685		142,834,631
		60,163,074		
Total costs (see table iv)		704,173,158		

ELECTRICITY DIVISION, M.O.E. ONLY

(iii) STATEMENT OF FINANCIAL POSITION AS AT 31 MARCH 1985

	\$	\$	\$	\$
Internal Resources—			Completed Works	3,261,755,621
Depreciation Account	623,121,645		Works under construction	763,934,591
General Reserve Account	1,188,749,155		Plant, motor vehicles and tools	30,882,647
		1,811,870,800	Capital Outlay (see table v)	4,056,572,859
External Resources—			Stocks of materials	156,673,056
Loans	2,580,854,710		Sundry debtors, etc. less sundry creditors	149,808,522
Trust Accounts	35,827	2,580,890,537	Loans for Local Hydro Schemes	14,125,770
			Investments	10,000,000
			Cash	5,581,130
		4,392,761,337		4,392,761,337

ELECTRICITY DIVISION, M.O.E. ONLY

(iv) ANALYSIS OF OPERATING COSTS FOR YEAR ENDED 31 MARCH 1985^{2,3}

	Working Costs (a)	Administration Costs (b)	Capital Charges (c)	Total Costs (d)	Total Cost per kWh	
					Output (e)	Sold (f)
	\$	\$	\$	\$	cents	cents
Hydro-electric stations	32,007,672	15,493,235	187,421,402	234,922,309	1.230	
Thermal stations	149,305,980	26,900,723	157,373,152	333,579,855	5.025	
Power purchased	558,880	169		559,049	2.927	
Generated and purchased	181,872,532	42,394,127	344,794,554	569,061,044	2.209	2.369
Transmission lines	12,114,753	5,864,115	40,111,472	58,090,340	0.226	0.242
Substations	16,349,137	7,913,758	28,824,594	53,087,489	0.206	0.221
Communications	3,879,437	1,877,832	2,653,357	8,410,626	0.033	0.035
Retail distribution	3,060,666	2,707,460	2,096,007	7,864,133	0.031	0.033
System operation and testing	5,161,127	2,498,230		7,659,357	0.030	0.032
TOTALS:	222,437,652	63,255,522	418,479,984	704,173,158	2.734	2.932
Administration (ref. column b)	63,255,522					
	285,693,174					
		SUMMARY				
		Working costs		222,437,652	0.863	0.926
		Administration		63,255,522	0.246	0.263
		Capital Charges		418,479,984	1.624	1.742
		Total costs		704,173,158	2.734	2.932

¹Does not agree with table iv Section A or Table I (Parts I and II) Section B as losses on foreign currency realignments are included as working costs in Profit and Loss Account and in interest expenses elsewhere

²Does not agree with Annual Accounts due to alternative treatment of purchases of feedback from supply authorities and income from charges for use of Electricity Division transmission facilities by some generating supply authorities.

³Excludes working costs and output at Ohau "C" still under construction.

ELECTRICITY DIVISION, M.O.E. ONLY

(v) ANALYSIS OF CAPITAL OUTLAY AS AT 31 MARCH 1985

	Headworks	Station Buildings and Villages	Generating Plant and Machinery	Total	Grand total
	<i>Completed Works</i>				
	\$	\$	\$	\$	\$
Hydro-electric stations					
Rangipo	229,298,582	29,162,819	26,933,041	285,394,442	
Tongariro control incl. Tokaanu	210,774,533	7,527,857	5,811,431	224,113,821	
Lake Taupo control	419,292			419,292	
Aratiatia	10,532,179	2,919,294	2,761,883	16,213,356	
Ohakuri	13,989,386	3,187,809	4,496,152	21,673,347	
Atiamuri	13,689,738	3,218,886	4,606,488	21,515,112	
Whakamaru	14,262,087	3,436,174	6,410,794	24,109,055	
Maraetai	22,954,034	7,463,577	9,379,939	39,797,550	
Waipapa	10,024,699	2,820,261	2,947,799	15,792,759	
Arapuni	3,977,978	1,249,374	2,408,097	7,635,449	
Karapiro	5,208,884	1,369,622	2,153,124	8,731,630	
Matahina	24,191,036	3,200,507	2,765,753	30,157,296	
Lake Waikaremoana control	929,055			929,055	
Kaitawa	2,417,820	341,885	659,638	3,419,343	
Tuai	550,688	1,227,832	1,378,977	3,157,497	
Piripaua	1,513,134	216,396	425,418	2,154,948	
Mangahao	2,047,935	619,312	896,239	3,563,486	
Tekapo 'A'	113,030	6,473,068	923,127	7,509,225	
Tekapo 'B'	95,620,350	11,270,244	8,420,328	115,310,922	
Lake Pukaki control	73,245,835			73,245,835	
Benmore	38,994,175	12,560,320	8,166,532	59,721,027	
Aviemore	23,661,094	8,445,311	5,446,218	37,552,623	
Waitaki	3,667,566	3,356,820	2,673,583	9,697,969	
Lake Wakatipu control	1,384	5,494		6,878	
Lake Hawea control	4,907,140	7,800		4,914,940	
Roxburgh	34,520,320	5,401,620	9,475,628	49,397,568	
Cobb	8,323,898	932,713	815,645	10,072,256	
Arnold	246,738	50,366	56,532	353,636	
Lake Coleridge	1,342,246	689,014	727,219	2,758,479	
Highbank	1,268,796	442,196	393,696	2,104,688	
Lake Manapouri control	11,820,214			11,820,214	
Lake Te Anau control	9,763,972			9,763,972	
Manapouri	78,136,369	21,720,350	19,585,526	119,442,245	
Monowai	408,242	169,300	140,017	717,559	
Ohau 'A'	106,550,780	19,453,516	25,330,650	151,334,946	
Twizel control station		1,450,620	6,062,092	7,512,712	
Upper Waitaki control building	25,138	7,025,630		7,050,768	
Clyde	306,094	7,888		313,982	
Ohau 'B'	97,002,360	22,185,630	23,850,760	143,038,750	
	<u>1,156,706,801</u>	<u>189,609,505</u>	<u>186,102,326</u>		<u>1,532,418,632</u>
	Fuel handling				
Thermal Stations					
Marsden 'A'	966,945	16,695,894	13,152,800	30,815,639	
Marsden 'B'	964,671	25,485,444	89,299,935	115,750,050	
Otahuhu	757,217	9,269,316	17,813,470	27,840,003	
Meremere	5,720,481	10,999,997	22,331,322	39,051,800	
Wairakei	22,651,030	11,127,430	12,755,061	46,533,521	
New Plymouth	3,443,160	30,478,460	101,726,394	135,648,014	
Stratford	129,415	1,515,678	27,447,434	29,092,527	
Whirinaki	3,133,170	602,142	24,464,525	28,199,837	
Huntly	84,170,476	157,246,803	414,402,319	655,819,598	
	<u>121,936,565</u>	<u>263,421,164</u>	<u>723,393,260</u>		<u>1,108,750,989</u>
Transmission system—					
Line depot (not associated with Power Stations or Substations)				893,102	
33 kV a.c.				2,566,075	
50 kV a.c.				1,601,375	
66 kV a.c.				15,193,798	
110 kV a.c.				51,201,003	
220 kV a.c.				239,986,041	
500 kV d.c.				10,686,576	
500 kV d.c. (submarine cable)				5,836,536	
					327,964,506
Substations—					
11 kV				44,025	
33 kV				5,185,368	
50 kV				1,543,630	
66 kV				14,474,739	
110 kV				68,031,123	
220 kV				124,038,259	
500 kV (converter stations)				22,362,156	
					235,679,300
Communications system					21,694,714
Distribution system					17,137,635
Offices, stores, land, and buildings					18,109,845
Total completed works					<u>3,261,755,621</u>

ELECTRICITY DIVISION, M.O.E. ONLY

(v) ANALYSIS OF CAPITAL OUTLAY AS AT 31 MARCH 1985—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	4,116,531	969,206	124,364	5,210,101	
Upper Waitaki	66,902,548	27,033,930	35,520,425	129,456,903	
Clyde	171,536,381	59,123,620	49,412,239	280,072,240	
Other Stations	3,144,904	1,121,589	175,042	4,441,535	
	<u>245,700,364</u>	<u>88,248,345</u>	<u>85,232,070</u>		<u>419,180,779</u>
Thermal stations—					
Fuel handling Equipment					
Huntly			63,895,161	63,895,161	
Ohaaki	24,535,379	6,569,056	43,073,320	74,177,755	
Other stations	2,168,210	1,684,568	24,730,266	28,583,044	
	<u>26,703,589</u>	<u>8,253,624</u>	<u>131,698,747</u>		<u>166,655,960</u>
Transmission system—					
Line depot (not associated with Power Stations or Substations)				1,916	
33 kV a.c.				885,464	
50 kV a.c.					
66 kV a.c.					
110 kV a.c.				5,499,140	
220 kV a.c.				30,968,328	
500 kV d.c. (submarine cables)				504,065	
					<u>37,858,913</u>
Substations—					
11 kV					
33 kV				477,470	
50 kV				361,176	
66 kV				898,833	
110 kV				21,065,021	
220 kV				44,216,176	
500 kV d.c. (converter station)				141,545	
					<u>67,160,221</u>
Communications system					16,731,254
Distribution system					
Offices, stores, land, and buildings					11,519,518
Surveys, and investigations of other schemes					44,827,946
					<u>763,934,591</u>
Total works under construction					<u>763,934,591</u>
Plant, motor vehicles, and tools					30,882,646
					<u>4,056,572,858</u>
TOTAL CAPITAL OUTLAY					4,056,572,858

**SECTION B: COMBINED RESULTS OF THE ELECTRICITY DIVISION (M.O.E.) AND ELECTRICAL
SUPPLY AUTHORITIES FOR THE YEAR ENDED 31 MARCH 1985**

Condensed Statistics Detailed In Subsequent Tables

No.		Hydro	Steam	Oil/Gas	Total	No.	
1	Generating stations	No.	81	5	8	94	1
2	Installed capacity	MW.	4 426.8	1 868.2	692.9	6 987.9	2
3	Generation	GWh.	20 107.3	6 353.5	313.8	26 764.6	3
4	Maximum load	MW.				4 893.3 ¹	4
5	Retail sales of electricity	GWh				23 993.8	5
6	Consumers	No.				1 436 730	6
7	Population (mean)	No.				3 265 300	7
8	Population (total)	No.				3 291 300	8
9	Capital expenditure less depreciation	\$(m)				4,770.9	9
10	Income from retail sales of electricity	\$(m)			1,190.4		10
11	Other general income	\$(m)			48.9		11
12	Appliance sales and servicing income	\$(m)			55.8		12
13	Gross Income	\$(m)				1,295.2	13
14	Cost of electricity purchased from non-supply industry sources	\$(m)		0.5			14
15	Generation expenditure	\$(m)	515.5				15
16	Total cost of electricity	\$(m)			516.0		16
17	Other supply expenditure	\$(m)			429.6		17
18	Appliance sales and servicing expenditure	\$(m)			52.4		18
19	Gross expenditure	\$(m)				998.0	19
20	Net results surplus	\$(m)				297.2	20
21	Income from retail sales of electricity per kWh sold retail	c.				4 961	21
22	Gross income per kWh sold retail	c.				5 398	22
23	Total cost of electricity per kWh sold retail	c.				2 151	23
24	Gross expenditure per kWh sold retail	c.				4 159	24
25	Generation per head of mean population	kWh				8 197	25
26	Generation per head of total population	kWh				8 132	26
27	Retail sales of electricity per head of mean population	kWh				7 348	27
28	Retail sales of electricity per head of total population	kWh				7 290	28
29	Retail sales of electricity per total consumers	kWh				16 700	29
30	Electrical accidents during year (fatal)	No.				11	30

¹Occurred at 1800 hours on 16 July 1984

TABLE I (PART I)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1985

No.	Supply Authorities	Income										Cost of Electricity						Total	No.					
		Sales of Electricity		General Income		Other Sources		Total General Income		Appliance Sales and Servicing Income		Gross Income		Loan Interest		Depreciation				Operation and Maintenance ^a		Total		
		Retail	Wholesale	Built for Resale																				
I	Electricity Division ¹	\$ 138,352,899	\$ 688,649,385	\$ 20,005,508	\$ 847,007,792	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$ 477,678,729	I
Government Department																								
I	Southland ²	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	\$...	I
Power Boards and Related Authorities																								
1	Ashburton	10,633,823	...	349,682	10,983,505	2,003,756	12,987,261	686,111	120,965	128,060	935,136	5,874,401	126,027,973	1	6,809,537									
2	Auckland	168,867,784	...	4,531,866	173,399,650	846,966	174,246,616	...	...	...	...	126,027,973	2	126,027,973						
3	Bay of Islands	11,759,709	...	652,795	12,392,504	26,620	12,419,124	...	...	...	...	7,382,435	3	7,382,435						
4	Bay of Plenty	20,336,387	...	778,978	22,657,097	1,703,982	24,361,079	3,744,398	721,800	580,114	5,046,312	11,869,858	4	16,916,170										
5	Buller	3,586,273	...	102,922	3,689,195	492,055	4,181,250	...	...	...	...	2,515,976	5	2,515,976						
6	Cambridge	4,948,630	...	136,785	5,085,415	5,085,415	5,085,415	...	...	...	...	3,207,596	6	3,207,596						
7	Central Canterbury	23,253,704	...	602,160	23,870,444	1,423,946	25,294,390	...	...	...	...	15,356,798	7	15,356,798						
8	Central Hawke's Bay	4,411,896	...	78,602	4,490,498	4,490,498	4,490,498	...	...	...	...	2,927,779	8	2,927,779						
9	Central Waikato	29,848,663	...	276,647	30,127,442	76,161	30,203,603	...	...	...	...	18,430,795	9	18,430,795						
10	Dannevirke	4,127,304	...	55,953	4,183,257	641,053	4,824,310	...	...	...	...	2,566,400	10	2,566,400						
11	Egmont	10,617,063	...	112,167	10,918,288	10,918,288	10,918,288	6,113,724	1,100,927	555,711	7,770,362	4,260,708	11	12,031,070										
12	Franklin	13,015,146	...	236,791	13,273,053	542,883	13,815,936	...	...	...	...	8,641,830	12	8,641,830						
13	Hawke's Bay	46,184,369	...	1,586,264	50,729,823	2,377,820	53,107,643	...	...	...	...	38,193,769	13	38,193,769						
14	Horowhenua	17,042,574	...	284,686	17,327,260	1,559,654	18,886,914	...	...	...	...	10,590,299	14	10,590,299						
15	Hutt Valley	58,278,012	...	2,502,216	60,780,228	2,422,475	63,202,703	...	...	...	...	39,220,943	15	39,220,943						
16	King Country	9,999,073	...	184,024	10,906,279	268,262	11,174,541	47,911	36,267	150,963	235,141	8,629,853	16	8,629,853										
17	Manawatu-Oroua	17,574,739	...	798,238	25,876,886	799,751	26,676,637	...	...	...	...	18,615,820	17	18,615,820						
18	Marlborough	10,594,657	...	353,017	10,947,978	108,388	11,056,366	2,295,109	529,050	390,391	3,214,550	4,314,686	18	4,314,686										
19	North Auckland	19,167,303	...	934,604	23,736,921	17,409,861	23,736,921	...	...	...	...	16,348,199	19	16,348,199						
20	North Canterbury	11,946,008	...	150,038	12,112,729	1,836,204	14,748,933	...	...	...	...	7,738,828	20	7,738,828						
21	Otago	9,770,021	...	76	9,905,656	2,175,049	12,080,705	1,441,501	546,418	210,203	2,198,122	5,381,013	21	5,381,013										
22	Otago Central	9,052,877	...	299,301	9,352,688	2,913,905	12,266,593	764,742	292,429	466,328	1,523,499	3,228,090	22	3,228,090										
23	Poverty Bay	14,329,176	...	221,027	14,550,203	638,165	15,188,368	...	...	...	...	8,496,672	23	8,496,672						
24	Rotorua	16,213,372	...	1,157,623	17,409,861	3,119,560	22,397,193	1,094,391	566,000	457,035	2,117,426	8,389,029	24	10,506,455										
25	South Canterbury	14,544,324	...	4,234,853	19,277,633	3,119,560	22,397,193	...	...	...	...	12,921,776	25	12,921,776						
26	Taranaki	10,432,452	...	64,270	10,496,722	10,496,722	10,496,722	...	...	...	...	5,994,704	26	5,994,704						
27	Taranaki	3,565,498	...	29,882	3,593,380	212,619	3,807,999	...	...	...	...	1,927,085	27	1,927,085						
28	Tasman	16,905,918	...	217,047	21,196,109	3,007,422	24,203,531	2,629,189	957,734	1,331,146	4,918,069	13,959,814	28	13,959,814										
29	Tauranga ³	21,365,037	...	472,377	24,181,676	2,411,523	27,593,200	...	...	...	...	9,528,754	29	9,528,754						
30	Te Awamutu	5,918,644	...	179,551	6,099,037	6,099,037	6,099,037	...	...	...	...	3,828,175	30	3,828,175						
31	Thames Valley	51,805,351	...	1,278,098	53,654,821	53,654,821	53,654,821	...	...	...	...	38,971,500	31	38,971,500						
32	Wairarapa	13,022,311	...	203,715	13,225,026	1,999,461	15,224,487	...	...	...	...	7,475,777	32	7,475,777						
33	Wairoa	2,407,725	...	53,042	3,301,364	480,631	3,781,995	...	...	...	...	2,271,611	33	2,271,611						
34	Waikato	8,810,354	...	379,677	9,190,031	2,241,523	11,431,554	...	...	...	...	5,120,592	34	5,120,592						
35	Waitemata	68,378,309	...	3,145,180	71,523,489	1,438,270	72,961,759	...	...	...	...	49,532,913	35	49,532,913						
36	Waitemata	7,479,336	...	107,228	7,586,564	696,644	8,283,208	505,832	177,842	170,096	853,770	3,961,793	36	4,815,563										
37	Wanganui-Rangitikei	19,768,284	...	637,894	20,406,178	4,386,737	24,792,915	...	...	...	...	13,897,688	37	13,897,688						
38	West Coast	8,738,617	...	867,027	9,607,735	1,885,284	11,493,019	1,021,724	463,776	528,985	2,014,485	2,454,897	38	4,469,382										
Total		798,700,723	30,143,348	24,004,554	852,848,625	42,325,246	895,173,871	20,344,632	5,579,938	5,479,509	31,404,079	550,056,829	581,460,908											

TABLE I (PART I)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1985—continued

No.	Supply Authorities	Income										Cost of Electricity						Total	No.
		General Income					Appliance Sales and Servicing Income	Gross Income	Loan Interest	Depre-ciation	Operation and Maintenance ⁴	Total	Purchased	Total					
		Sales of Electricity		Other Sources	Total General Income	Total													
		Retail	Bulk for Resale																
<i>Territorial Authorities</i>																			
1	Bluff	914,790		640,579	914,790	358,298	1,273,088								694,452	1			
2	Christchurch	72,047,514	55	1,534,191	72,688,148	5,301,432	77,989,580								55,368,365	2			
3	Dunedin	35,081,268		609,528	36,633,459	1,603,629	38,239,088	150,000	1,865,000	3,293,946	5,308,946	18,476,543	23,783,489	3					
4	Hamilton	9,590,166		99,754	10,199,694	87,471	10,199,694						5,601,069	4					
5	Heathcote	2,482,663			2,482,663		2,482,663						1,867,979	5					
6	Invercargill	12,845,007	437,673	96,944	13,379,624		13,379,624						8,794,406	6					
7	Kaipoi	1,147,349		42,682	1,190,031		1,603,155						816,683	7					
8	Lyttelton	1,027,088		21,992	1,049,080		1,263,152						639,534	8					
9	Napier	3,060,257		383,660	3,443,917	263,860	3,707,777						2,959,190	9					
10	Nelson	6,937,207		22,712	6,959,919		6,959,919						4,073,144	10					
11	New Plymouth	16,495,555		156,250	16,651,805	2,580,740	19,232,545		46,795	181,081	227,876	9,746,037	9,973,913	11					
12	Palmerston North	11,013,165		114,662	11,127,827		11,127,827		1,918	11,817	13,735	7,503,909	7,517,644	12					
13	Riccarton	2,889,747		57,009	2,946,756	345,011	3,291,767					1,938,455	1,938,455	13					
14	Taumarunui	1,158,211	137	90,716	1,258,064		1,258,064	21,139		56,015	77,154	1,723,182	1,723,182	14					
15	Taupo	7,455,946		212,935	7,668,881		7,668,881	787,136	234,090	287,244	1,308,470	3,773,003	5,081,473	15					
16	Tauranga	3,455,157		97,161	3,552,318		3,552,318			11,964	11,964	2,344,262	2,356,226	16					
17	Thames-Coromandel	1,718,621		10,339	1,728,960	19,439	1,748,399					1,272,431	1,272,431	17					
18	Timaru	6,385,909		38,237	6,424,146	299,252	6,723,398					4,234,853	4,234,853	18					
19	Wauroa	1,310,114		48,256	1,358,370		1,358,370					840,598	840,598	19					
20	Wellington	46,321,560		529,473	46,851,033	2,014,054	48,865,087					32,269,235	32,269,235	20					
21	Whakatane	2,508,480		81,844	2,590,324		2,590,324					1,559,532	1,559,532	21					
22	Whangarei	5,547,750		4,719	5,552,469		5,552,469					3,634,326	3,634,326	22					
Totals		253,393,524	437,865	4,924,643	258,756,032	13,500,382	272,256,414	958,275	2,147,803	3,842,067	6,948,145	169,131,188	176,079,333						
Less bulk for resale		1,190,447,146	719,230,598	48,934,705	1,958,612,449	55,825,628	2,014,438,077	254,679,785	70,157,058	190,635,231	515,472,074	719,746,896	1,235,218,970						
NET INCOME AND COST		1,190,447,146		48,934,705	1,239,381,851	55,825,628	1,295,207,479	254,679,785	70,157,058	190,635,231	515,472,074	516,298*	515,988,372						

NOTES: ¹Included with the Electricity Division. ²As for note 3, Table VI, and as a result the operations of the Tauranga Joint Generation Committee have been included with the Tauranga Electric Power Board. ³Purchases from sources other than the Electricity Division or a supply authority. ⁴Actual running costs including transport, wages, stores, and maintenance. Also includes cost of fuel. \$97,235,273.

TABLE 1 (PART II)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1985

No.	Supply Authorities	Expenditure										Net Results Surplus	No.					
		Cost of Electricity					Supply Expenditure and Changes							Appliance Sales and Servicing Expenditure	Gross Expenditure			
		Transmission and Distribution	Plant and Equipment ¹	Properties	Operation and Maintenance	Total	Consumer-related Costs ²	Administration and General	Loan Interest	Depreciation	Total Supply Expenditure							
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
		477,678,729	40,362,400	374,976	202,721	40,940,097	62,880,546	53,235,508	9,275,209	644,010,089	644,010,089	202,997,703	644,010,089					
	Government Department																	
	Southland²																	
	Power Boards and Related Authorities																	
1	Ashburton	6,809,537	1,006,917	105,962	83,757	1,196,636	724,806	456,373	854,158	10,041,510	1,819,454	11,860,964	1,126,297	1				
2	Auckland	126,027,973	13,516,926	2,846,098	1,672,154	18,035,178	7,055,031	3,116,221	7,280,660	161,515,063	822,490	162,337,553	11,909,063	2				
3	Bay of Islands	7,382,435	1,230,422	182,803	112,288	1,525,513	1,015,138	738,092	942,064	11,603,242	25,900	11,629,142	789,982	3				
4	Bay of Plenty	16,916,170	1,320,888	477,774	181,719	1,980,381	1,197,830	374,553	840,000	21,308,934	1,546,067	22,855,001	1,506,078	4				
5	Buller	2,515,976	219,120	57,306	42,334	318,760	280,504	56,127	136,982	3,308,349	471,079	3,779,428	401,822	5				
6	Cambridge	3,207,596	304,214	92,558	396,772	396,772	253,309	61,175	237,854	4,101,676	4,101,676	4,101,676	983,739	6				
7	Central Canterbury	15,356,798	1,723,470	444,802	1,443,308	2,312,580	1,807,817	57,521	1,236,671	20,771,387	1,313,591	22,084,978	3,209,412	7				
8	Central Hawke's Bay	2,927,779	347,873	56,811	23,330	428,014	370,566	145,840	262,286	4,134,485	67,174	4,201,659	356,013	8				
9	Central Waikato	18,430,795	2,390,631	280,655	250,586	2,921,872	2,311,212	913,115	1,864,805	26,441,799	606,576	26,308,973	3,694,630	9				
10	Dannevirke	2,566,400	277,436	49,458	42,674	369,568	388,170	78,540	287,975	3,690,653	4,297,229	4,297,229	527,081	10				
11	Egmont	12,031,070	946,872	110,686	141,251	1,198,809	1,033,688	49,310	415,862	14,728,739	14,728,739	14,728,739	(3,810,451)	11				
12	Franklin	8,641,830	1,246,877	184,356	140,839	1,572,592	1,084,276	415,063	647,397	12,361,158	528,323	12,889,481	926,455	12				
13	Hawke's Bay	38,193,769	2,414,723	343,385	343,850	3,101,717	1,747,873	914,083	2,398,276	46,355,718	2,198,022	48,553,740	4,553,903	13				
14	Horowhenua	10,590,299	1,954,659	206,044	265,562	2,436,265	1,365,177	409,238	1,874,979	10,840,000	1,437,462	12,277,462	1,574,473	14				
15	Hutt Valley	39,220,943	6,411,216	809,877	1,066,768	8,287,861	5,123,464	1,382,435	2,129,000	56,143,703	2,290,115	58,433,818	4,768,885	15				
16	King Country	8,864,994	556,435	109,655	823,791	383,550	36,681	36,681	242,561	10,351,577	256,803	10,608,380	566,161	16				
17	Manawatu-Oroua	18,615,820	1,694,353	162,009	199,425	2,055,787	1,452,535	150,283	1,073,899	23,348,324	2,571,345	25,919,669	2,571,345	17				
18	Marlborough	7,329,236	1,334,990	94,717	214,147	1,643,854	742,980	441,393	882,488	11,219,954	106,482	11,326,436	(270,070)	18				
19	North Auckland	16,348,199	1,961,581	906,066	72,548	2,040,195	1,451,422	1,011,311	1,492,932	22,344,059	1,680,477	24,024,536	1,392,862	19				
20	North Canterbury	7,738,828	1,251,649	148,898	204,247	1,604,794	824,697	656,586	850,248	11,675,153	1,680,477	13,355,630	1,393,303	20				
21	Otago	7,579,135	1,334,224	135,311	109,217	1,578,752	843,237	338,801	490,509	10,830,434	2,095,470	12,925,904	(845,199)	21				
22	Otago Central	4,751,589	783,203	84,964	53,471	921,638	855,476	385,725	527,236	7,441,664	2,740,337	10,182,001	2,084,592	22				
23	Poverty Bay	8,496,672	1,961,973	307,896	164,356	2,436,225	1,231,284	469,579	715,150	13,341,910	595,724	13,937,634	1,250,734	23				
24	Rotorua	10,506,455	1,420,320	180,855	195,587	1,796,762	1,224,696	152,852	569,329	14,250,094	3,001,624	17,251,718	3,159,767	24				
25	South Canterbury	12,921,776	1,644,166	309,682	51,540	2,005,388	1,274,011	263,541	854,750	17,319,466	3,001,624	20,321,090	2,076,103	25				
26	Taranaki	6,366,227	820,098	99,752	111,682	1,031,532	710,506	233,334	847,054	9,188,653	2,095,470	11,284,123	1,308,069	26				
27	Taranaki	1,977,085	251,270	82,799	39,605	373,674	335,177	135,867	241,179	3,012,982	230,889	3,243,871	564,128	27				
28	Tasman	13,959,814	1,570,533	218,768	189,003	1,978,304	1,534,311	802,176	1,332,174	19,606,779	2,889,403	22,496,182	1,707,349	28				
29	Tauranga	14,446,823	1,491,410	576,815	414,589	2,482,814	1,250,910	805,219	1,266,574	20,252,290	3,929,290	24,181,580	3,929,290	29				
30	Te Awamutu	3,828,175	476,764	68,593	107,071	652,428	420,632	353,836	553,836	5,255,071	5,255,071	5,255,071	843,966	30				
31	Thames Valley	38,971,500	3,693,375	792,132	169,943	4,655,450	2,271,811	1,226,639	1,720,811	48,846,211	4,846,211	53,692,422	4,808,610	31				
32	Wairarapa	7,556,235	1,115,683	320,342	230,584	1,666,609	1,057,950	956,718	1,033,774	3,012,982	1,915,819	4,928,791	1,035,382	32				
33	Waikato	2,271,611	248,149	40,822	36,237	325,208	256,303	72,624	133,247	3,058,993	440,602	3,499,595	282,400	33				
34	Waikato	5,120,592	731,784	173,504	144,226	1,049,514	700,760	140,837	689,320	7,701,023	2,148,373	9,849,396	1,582,158	34				
35	Waitemata	49,645,991	5,205,363	1,669,419	1,179,302	8,054,084	4,587,110	2,765,896	3,513,884	68,566,965	1,424,678	69,991,643	2,970,116	35				
36	Waitemata	4,815,563	704,720	207,918	81,824	994,462	584,477	78,895	685,802	7,159,199	671,974	7,831,173	452,035	36				
37	Waitemata	13,907,836	2,240,813	298,942	516,076	2,756,889	1,552,658	335,263	1,023,167	19,575,813	3,924,088	23,499,901	1,293,014	37				
38	West Coast	4,469,382	920,481	173,549	173,549	1,392,972	767,283	380,452	717,693	7,727,782	1,848,277	9,576,059	1,916,960	38				
		581,460,908	67,825,581	13,238,934	9,327,129	90,391,644	52,072,640	20,948,358	41,855,527	786,729,077	39,854,241	826,583,318	68,590,553					

TABLE I (PART II)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1985—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						
											694,452	134,350	13,298				831,707	147,648	68,833	21,791	933,758	309,987
55,368,365	4,438,448	878,362	61,485,177	3,793,481	576,194	3,244,587	69,131,144	4,754,181	1,243,745							
23,785,489	4,031,997	411,793	283,240	4,727,030	2,895,018	1,540,000	33,060,899	1,515,670	73,885,325							
5,601,069	1,583,717	218,796	228,583	2,033,096	1,245,023	8,879,188	8,879,188	...	34,576,569							
1,867,979	58,551	13,418	5,273	77,242	1,75,505	28,076	2,148,802	145,546	8,879,188							
8,794,406	1,208,839	73,278	147,816	1,479,933	554,891	416,120	11,650,408	11,650,408	2,294,348							
816,683	6,261	23,148	37,154	66,563	155,090	12,902	1,059,238	375,117	11,650,408							
639,534	186,098	6,201	28,235	220,534	108,962	...	969,030	214,062	1,434,355							
2,959,190	436,901	90,540	351,494	878,935	538,095	262,769	4,960,158	251,843	1,833,092							
4,073,144	663,923	183,773	76,113	923,809	494,083	202,981	5,952,965	...	5,212,001							
9,973,913	1,488,700	258,230	272,398	2,019,328	1,054,251	804,265	13,931,257	2,426,547	16,357,804							
7,517,644	1,590,273	71,642	151,274	1,813,189	1,033,396	268,793	10,792,546	10,792,546	2,874,741							
1,938,455	105,436	77,226	182,662	206,417	164,994	79,419	1,171,747	340,634	335,281							
800,336	176,209	15,698	14,510	204,467	658,976	387,489	7,216,465	...	2,891,945							
5,081,473	599,703	214,062	70,295	884,060	...	...	...	...	1,171,747			
2,356,226	140,487	32,060	63,543	236,090	319,135	16,035	2,927,486	...	7,216,465							
1,272,431	176,221	8,212	33,861	218,294	176,663	27,742	1,695,130	13,947	2,927,486							
4,234,653	414,810	83,306	84,301	587,417	374,013	233,531	5,667,352	297,979	1,709,077							
840,598	104,612	3,582	25,462	135,656	168,567	47,476	1,195,855	...	5,965,331							
32,269,235	3,417,862	947,784	587,618	4,953,264	2,760,412	456,035	41,489,110	1,861,916	1,195,855							
1,559,532	191,007	19,814	18,110	228,931	317,436	35	2,227,292	...	43,351,026							
3,634,326	302,130	21,676	37,319	361,125	424,012	...	4,477,337	...	2,227,292							
		176,079,333	21,458,535	3,588,673	3,425,532	28,472,740	17,741,788	2,913,913	8,880,704	12,507,429	246,595,907	25,660,507				
		1,235,218,970	129,646,516	17,202,583	12,955,382	159,804,481	132,694,974	77,097,779	60,011,440	52,361,670	1,717,189,314	297,248,763				
		719,230,598	719,230,598	...				
NET EXPENDITURE		515,988,372	129,646,516	17,202,583	12,955,382	159,804,481	132,694,974	77,097,779	60,011,440	52,361,670	997,958,716	297,248,763				

NOTES: ¹Included with the Electricity Division. ²As for note 3, 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 1985

No.	Supply Authorities	Liabilities					Reserves					No.	
		Public Debt (excl. Home Insulation and Solar Installation Loans)					Sundry Creditors (incl. Home Insulation and Solar Installation Loans)	Capital Reserves	Non-capital Reserves		Accumulated Retained Surplus*		Total
		Loans Raised During Year	Loans Repaid During Year		Gross Loan Liability as at 31 March	Sinking Funds and Reserves for Future Loan Repayments			Other Reserves	Total			
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		
(Electricity Division! ..	64,388,355*	60,163,074	2,580,854,710	30,820,359	...	...	...	...	...	...	...	3,800,424,224
(Government Department	...	...	...	...	...	...	...	...	...	...	...	...
(Southland†	...	...	...	...	...	...	...	...	...	...	...	...
<i>Power Boards and Related Authorities</i>													
1 Ashburton ..	908,689	383,878	9,625,448	1,998,630	9,538,804	1,025,528	1,691,303	1,025,528	4,101,736	1,025,528	4,101,736	26,290,146	
2 Auckland ..	4,872,500	5,040,067	25,396,655	25,570,104	133,899,618	1,200,000	1,200,000	1,200,000	8,558,592	1,200,000	8,558,592	195,066,272	
3 Bay of Islands ..	...	643,178	7,212,137	2,625,215	12,214,413	1,943,614	486,136	1,943,614	1,073,390	2,429,750	1,073,390	23,359,155
4 Bay of Plenty ..	250,000	922,589	28,125,884	7,875,456	11,137,430	236,968	137,655	236,968	2,201,834	374,623	2,201,834	51,770,354	
5 Buller ..	...	30,007	635,030	705,795	2,662,438	...	...	...	641,085	...	641,085	5,018,971
6 Cambridge ..	...	...	65,000	934,904	5,203,788	38,595	738,521	38,595	1,042,800	777,116	1,042,800	8,023,608
7 Central Canterbury ..	...	153,154	553,487	4,378,639	25,107,318	321,237	522,404	321,237	4,364,837	843,641	4,364,837	35,247,922
8 Central Hawke's Bay ..	...	55,104	1,231,787	913,512	4,271,505	4,112,631	2,543,392	4,112,631	703,847	431,194	703,847	7,541,845
9 Central Waikato ..	...	353,120	8,293,985	4,463,529	23,546,831	4,112,631	2,543,392	4,112,631	3,586,060	6,656,223	3,586,060	48,346,628
10 Dannevirke ..	...	48,868	696,004	699,029	4,889,925	230,442	271,440	230,442	447,100	501,862	447,100	7,233,944
11 Esmont ..	10,654,554	151,848	82,494,372	6,119,006	9,421,425	111,354	157,901	111,354	1,625,345	269,255	1,625,345	98,304,058	
12 Franklin ..	1,029,700	528,618	3,949,159	2,435,588	8,668,512	1,137,818	1,997,869	1,137,818	3,135,687	3,135,687	3,135,687	19,814,291	
13 Hawke's Bay ..	575,200	1,212,940	7,276,557	8,240,458	34,290,426	2,412,032	1,729,426	2,412,032	4,548,790	4,141,458	4,548,790	58,497,555	
14 Horowhenua ..	1,203,840	1,097,921	3,931,289	3,720,335	16,559,554	1,517,464	852,087	1,517,464	1,808,260	2,369,531	1,808,260	28,388,989	
15 Hutt Valley ..	1,730,000	2,086,255	11,679,830	12,448,041	44,803,735	1,491,935	9,235,422	1,491,935	5,191,375	10,727,357	5,191,375	84,850,338	
16 King Country ..	...	56,145	1,213,606	2,372,074	2,753,657	129,460	3,348,330	129,460	1,569,353	3,477,790	1,569,353	11,386,480
17 Manawatu-Oroua ..	...	232,532	1,434,346	4,838,166	16,278,014	728,270	4,578,942	728,270	5,331,674	5,307,212	5,331,674	33,189,412
18 Maniborough ..	4,049,506	728,857	30,537,355	2,394,300	10,590,492	827,963	287,265	827,963	44,637,375	1,115,238	44,637,375	44,637,375	
19 North Auckland ..	1,000,000	673,550	8,978,678	4,610,022	20,250,889	2,182,252	359,580	2,182,252	...	2,541,832	...	38,500,103	
20 North Canterbury ..	1,035,000	224,194	6,346,091	2,643,367	10,966,874	1,026,826	25,881	1,026,826	1,112,366	1,052,707	1,112,366	22,121,405	
21 Otago ..	10,032,577	209,673	37,609,711	1,822,808	8,442,039	878,247	1,815,043	878,247	362,975	2,693,290	362,975	50,930,823	
22 Otago Central ..	64,000	264,820	9,079,972	1,428,376	9,106,775	480,693	3,301,995	480,693	3,813,042	3,782,688	3,813,042	27,210,853	
23 Poverty Bay ..	300,000	294,795	4,291,960	1,882,694	10,003,656	530,588	1,111,609	530,588	1,750,377	662,197	1,750,377	18,590,884	
24 Rotorua ..	3,894,800	632,655	40,797,738	10,907,542	14,188,550	797,295	129,300	797,295	7,603,229	926,595	7,603,229	74,423,654	
25 South Canterbury ..	100,000	119,369	2,818,855	2,481,061	14,752,870	809,911	1,031,259	809,911	3,761,610	1,841,170	3,761,610	25,655,566	
26 Taranaki ..	...	148,261	1,869,816	1,604,874	14,093,171	154,268	1,441,426	154,268	151,021	1,595,694	151,021	19,314,576
27 Taranaki ..	300,000	107,876	1,327,225	642,538	3,795,642	168,158	19,742	168,158	254,470	187,900	254,470	6,207,775	
28 Tasman ..	2,000,000	252,739	7,096,082	3,194,461	18,149,632	773,123	467,869	773,123	3,247,541	1,240,992	3,247,541	32,928,708	
29 Tauranga†	1,230,000	1,785,577	53,433,916	3,617,458	24,236,613	835,756	399,040	835,756	2,031,681	1,184,796	2,031,681	84,506,464	
30 Te Awamutu ..	...	...	...	1,229,011	6,837,834	...	379,048	...	981,751	379,048	981,751	9,427,644
31 Thames Valley ..	600,000	240,102	10,733,918	10,648,245	19,935,815	4,499,311	2,299,146	4,499,311	6,130,219	6,798,457	6,130,219	54,246,654	
32 Waikato ..	1,075,000	675,799	9,193,040	3,508,284	5,243,714	1,411,833	1,411,833	1,411,833	1,576,945	1,141,833	1,576,945	20,663,816	
33 Wairarapa ..	5,631,000	119,455	19,010,224	1,679,428	2,010,574	2,568	136,925	2,568	554,092	139,503	554,092	23,393,821	
34 Wairarapa ..	...	59,609	1,135,355	1,695,720	9,878,373	271,055	1,152,455	271,055	2,182,976	1,423,510	2,182,976	16,316,134
35 Waitemata ..	4,254,700	1,778,230	24,760,358	12,882,408	41,013,218	7,311,199	6,900,494	7,311,199	11,368,954	14,211,693	11,368,954	104,236,631	
36 Waitemata ..	268,094	232,348	6,360,918	1,258,708	9,176,045	793,793	9,781	793,793	1,252,748	803,574	1,252,748	18,851,993	
37 Waingaiti-Rangitikei ..	500,000	254,865	3,125,977	3,137,068	14,550,676	1,195,936	995,352	1,195,936	4,145,358	2,191,288	4,145,358	27,150,367	
38 West Coast ..	251,500	688,695	12,457,433	2,491,883	11,885,999	2,202,757	344,651	2,202,757	1,361,048	2,547,408	1,361,048	30,743,771	
...	57,810,660	1,269,000	484,771,398	166,048,737	646,356,710	43,777,515	50,043,458	43,777,515	101,591,167	93,820,973	101,591,167	1,492,588,985	

TABLE II (PART I)—ANALYSIS OF LIABILITIES AND RESERVES FOR THE YEAR ENDED 31 MARCH 1985—continued

No.	Supply Authorities	Liabilities						Reserves					Total	No.
		Public Debt (excl. Home Insulation and Solar Installation Loans)						Non-capital Reserves			Accumulated Retained Surplus ⁴			
		Loans Raised During Year	Loans Repaid During Year		Gross Loan Liability as at 31 March	Sundry Creditors (incl. Home Insulation and Solar Installation Loans)	Capital Reserves	Sinking Funds and Reserves for Future Loan Repayments	Other Reserves	Total				
			From Redemption Funds	From Internal Sources and Sinking Funds										
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			
<i>Territorial Authorities</i>														
1	Bluff	..	..	..	4,508	135,272	338,363	..	2,580	2,580	113,450	594,173	1
2	Christchurch	339,900	..	678,396	4,809,835	14,084,281	46,407,851	636,048	..	636,048	14,487,859	80,425,874	2	
3	Dunedin	180,000	..	119,245	1,207,486	4,267,474	38,402,374	170,634	14,695,922	14,866,556	567,415	59,311,305	3	
4	Hamilton	..	..	..	..	51,446	9,237,351	..	68,615	68,615	2,905,622	12,263,034	4
5	Heathcote	..	..	..	201,704	454,252	2,027,129	..	51,690	51,690	..	2,734,775	5
6	Invercargill	150,000	..	270,542	3,725,796	2,503,921	5,630,602	753,351	87,609	840,960	..	12,701,279	6	
7	Kaipoi	..	..	28,581	96,710	208,536	973,016	16,311	48,585	64,896	488,973	1,832,131	7
8	Lytelton	..	..	..	..	298,921	675,729	877,064	69,676	94,352	9,506	1,031,832	8
9	Napier	..	..	114,000	2,457,980	711,666	4,173,190	..	..	877,064	256,908	8,476,808	9
10	Nelson	550,000	..	7,112	2,188,316	622,162	3,139,384	67,828	..	67,828	698,990	6,716,680	10	
11	New Plymouth	..	..	118,135	934,085	141,400	12,835,654	299,369	3,164,630	3,463,999	2,823,582	20,198,720	11
12	Palmerston North	300,000	..	32,882	1,382,120	1,801,577	5,560,175	80,960	..	80,960	2,348,174	11,173,006	12	
13	Riccarton	400,000	..	43,000	1,116,000	2,046,427	2,046,427	326,595	..	326,595	273,980	4,268,687	13	
14	Taumarunui	..	..	17,910	162,057	221,824	1,046,043	..	434,448	434,448	3,557	1,867,929	14
15	Taupo	668,866	..	463,453	8,354,927	1,392,989	5,880,498	882,573	121,043	1,003,616	944,241	17,576,271	15	
16	Tauranga	..	..	..	153,500	641,945	4,314,660	28,485	573,413	601,898	613,028	6,325,031	16
17	Thames-Coromandel	..	..	..	..	360,784	655,556	..	24,667	24,667	803	1,041,810	17
18	Timaru	..	..	24,748	1,792,132	705,495	5,269,291	181,556	651,083	832,639	178,203	8,777,760	18
19	Waeroa	..	..	7,696	68,769	226,304	1,162,548	..	43,000	43,000	..	1,500,621	19
20	Wellington	..	..	851,516	4,763,505	6,380,678	42,213,973	1,665,352	10,219,861	11,885,213	3,221,711	68,465,080	20
21	Whakatane	..	..	388	408	366,600	2,134,235	..	238,629	238,629	297,338	3,037,210	21
22	Whangarei	..	..	..	..	1,049,050	3,114,669	..	1,133,751	1,133,751	1,284,977	6,582,447	22
GRAND TOTALS		2,588,766	182,000	2,825,868	33,419,838	37,132,262	197,238,718	5,986,126	31,629,202	37,615,328	31,518,317	336,924,463		
		124,787,781	1,451,000	85,476,635	3,099,045,946	234,001,358	843,595,428	49,763,641	81,672,660	131,436,301	1,321,858,639	5,629,937,672		

NOTES: ¹Includes Southland Electric Power Supply. ²As for note 3, Table VI, and as a result the operations of the Tauranga Joint Generation Committee have been included with the Tauranga Electric Power Board. ³Includes losses on foreign currency realignments \$30,766,227. ⁴Shown as General Reserve in Section A table (ii), but in this table has been shown under this heading as it is more closely related to the supply authorities. ⁵Accumulated Retained Surplus. ⁶Subject to auditing after table published.

TABLE II (PART II)—ANALYSIS OF ASSETS FOR THE YEAR ENDED 31 MARCH 1985

No.	Supply Authorities	Assets							Accumulated Deficit*	Total	No.
		Capital Expenditure less Depreciation†	Stocks and Materials (non-loan)†	Sundry Debtors	Non-loan Cash and Investments	Loan Cash, Stock and Investments					
		\$	\$	\$	\$	\$	\$	\$	\$		
i	Electricity Division†	3,433,451,214	156,673,056	194,718,824	...	15,581,130	...	...	3,800,424,224	i
i	Government Department	...	...	...	...	...	...	...	...	i
	Southland†	...	...	...	...	...	...	...	...	...
	<i>Power Boards and Related Authorities</i>										
1	Ashburton	19,164,251	2,769,342	1,719,602	2,636,951	118,300	...	...	26,290,146	1
2	Auckland	149,084,503	8,949,952	11,124,941	25,788,576	796,972	...	...	195,066,272	2
3	Bay of Islands	16,723,326	1,296,269	2,893,171	1,649,417	400,000	...	...	23,359,155	3
4	Bay of Plenty	38,919,848	1,432,026	4,235,756	6,762,724	60,102	...	...	51,770,354	4
5	Buller	3,230,367	444,931	519,475	764,096	...	...	...	5,018,971	5
6	Cambridge	5,268,788	376,390	515,799	1,739,978	122,653	...	...	8,023,608	6
7	Central Canterbury	25,660,699	2,676,114	2,389,546	4,521,465	98	...	...	35,247,922	7
8	Central Hawke's Bay	5,397,434	585,811	423,631	1,046,945	88,024	...	...	7,541,845	8
9	Central Waikato	33,747,287	2,559,092	5,015,317	7,131,403	93,529	...	...	48,546,628	9
10	Dannevirke	5,475,929	644,923	441,326	671,766	...	...	...	7,233,944	10
11	Egmont	92,946,202	794,173	736,064	487,860	830,912	3,339,759	...	98,304,058	11	
12	Franklin	11,871,854	1,374,292	2,083,095	3,654,138	2,761,532	...	...	19,814,291	12
13	Hawke's Bay	41,562,793	3,834,935	6,671,996	3,666,299	1,878,989	...	...	58,487,555	13
14	Horowhenua	20,129,318	1,878,998	2,452,497	2,049,187	...	...	...	28,388,989	14
15	Hutt Valley	52,160,810	3,982,773	6,872,066	21,834,689	...	...	...	84,850,338	15
16	King Country	3,417,263	941,841	2,161,450	4,315,976	550,000	...	...	11,386,480	16
17	Manawatu-Oroua	17,712,360	1,350,762	4,587,175	9,539,115	72,001	1,651,172	...	33,189,412	17	
18	Marlborough	38,118,491	1,216,523	2,377,777	1,201,411	...	...	...	44,637,375	18
19	North Auckland	29,247,137	1,568,214	3,450,733	4,234,019	157,056	...	...	38,500,103	19
20	North Canterbury	17,042,965	1,749,512	2,115,800	1,056,072	...	...	...	22,121,405	20
21	Otago	43,806,350	2,744,413	1,671,021	3,111,039	98,000	...	...	50,930,823	21
22	Otago Central	17,849,908	1,629,091	2,459,948	4,821,906	450,000	...	...	27,210,853	22
23	Poverty Bay	14,302,412	1,892,123	1,093,196	1,303,153	...	...	...	18,590,884	23
24	Rotorua	62,985,785	1,052,326	1,258,412	9,127,131	...	...	...	74,423,654	24
25	South Canterbury	17,571,725	2,511,307	2,565,427	3,007,107	...	...	...	25,655,566	25
26	Taranaki	15,962,987	1,051,351	678,698	1,621,540	...	...	...	19,314,576	26
27	Taranua	5,066,863	300,737	387,104	403,071	50,000	...	...	6,207,775	27
28	Tasman	23,959,496	2,812,186	3,195,623	2,114,403	847,000	...	...	32,928,708	28
29	Tauranga†	77,284,734	2,186,130	3,056,425	1,479,175	500,000	...	...	84,506,464	29
30	Te Awamutu	6,837,834	230,258	480,004	1,879,548	...	...	...	9,427,644	30
31	Thames Valley	30,319,789	3,590,110	8,142,508	11,844,247	350,000	...	...	54,246,654	31
32	Wairarapa	4,136,754	1,852,596	1,767,127	2,607,339	300,000	...	...	20,663,816	32
33	Waikato	22,019,402	3,737,791	842,170	155,890	...	...	...	23,393,821	33
34	Waikato	11,013,928	1,348,552	1,479,783	2,302,816	271,055	...	...	16,316,134	34
35	Waitemata	62,773,576	5,771,804	6,222,648	26,468,603	3,000,000	...	...	104,236,631	35
36	Waitemata	15,478,943	1,199,931	1,166,746	999,511	6,862	...	...	18,851,993	36
37	Wanganui-Rangitikei	17,468,226	3,664,189	3,100,312	1,578,403	1,339,237	...	...	27,150,367	37
38	West Coast	23,957,269	2,050,904	974,742	3,374,693	386,163	...	...	30,743,771	38
		1,109,677,606	76,208,672	103,329,111	182,851,612	15,531,053	4,990,931	1,492,588,985			

TABLE II (PART II)—ANALYSIS OF ASSETS FOR THE YEAR ENDED 31 MARCH 1985—continued

No.	Supply Authorities	Assets							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	Accumulated Deficit ³	Total		
		\$	\$	\$	\$	\$	\$	\$	\$	
<i>Territorial Authorities</i>										
1	Bluff ..	280,052	76,897	234,644	2,580	636,048	..	594,173	1	
2	Christchurch ..	51,215,211	3,471,919	7,143,139	17,959,557	..	..	80,425,874	2
3	Dunedin ..	39,609,861	3,263,023	4,123,076	12,315,345	..	..	59,311,305	3
4	Hamilton ..	9,267,509	..	261,181	2,734,344	..	..	12,263,034	4
5	Heathcote ..	2,247,350	109,226	167,611	50,377	..	158,858	2,734,775	5	
6	Invercargill ..	9,310,169	864,068	1,097,341	850,960	226,540	352,201	12,701,279	6	
7	Kanapoi ..	1,142,379	107,962	162,198	419,372	..	..	1,832,131	7
8	Lytelton ..	675,729	151,582	156,845	69,676	..	..	1,053,832	8
9	Napier ..	6,631,170	547,885	420,689	877,064	..	..	8,476,808	9
10	Nelson ..	5,558,923	199,207	590,979	286,037	81,534	..	6,716,680	10	
11	New Plymouth ..	12,523,852	1,719,246	1,423,283	4,532,339	..	..	20,198,720	11
12	Palmerston North ..	6,892,246	730,249	566,126	2,853,375	131,010	..	11,173,006	12	
13	Riccarton ..	3,162,427	119,750	236,726	423,189	326,595	..	4,268,687	13	
14	Taumarunui ..	1,542,789	46,514	133,409	145,217	..	..	1,867,929	14
15	Taupo ..	13,592,407	1,278,757	595,751	2,109,356	..	..	17,576,271	15
16	Tauranga ..	4,474,868	355,758	211,576	1,282,829	..	..	6,325,031	16
17	Thames-Coromandel ..	655,556	113,417	183,656	89,181	..	..	1,041,810	17
18	Timaru ..	7,045,478	474,260	405,233	836,845	15,944	..	8,777,760	18	
19	Wairoa ..	1,214,919	84,838	15,679	56,906	..	128,279	1,500,621	19	
20	Wellington ..	45,510,923	2,741,790	4,375,331	14,842,036	995,000	..	68,465,080	20	
21	Whakatane ..	2,134,642	200,168	155,646	546,754	..	..	3,037,210	21
22	Whangarei ..	3,046,012	378,779	701,487	2,455,440	729	..	6,582,447	22	
GRAND TOTALS		227,734,512	17,035,315	23,361,606	65,738,979	2,414,713	639,338	336,924,463		
		4,770,863,332	249,917,043	321,409,541	248,590,591	33,526,896	5,630,269	5,629,937,672		

NOTES: ¹Includes Southland Electric Power Supply.
²Subject to auditing after table published.

³As for note 3, Table VI, and as a result the operations of the Tauranga Joint Generation Committee

TABLE III—ANALYSIS OF CAPITAL EXPENDITURE FOR THE YEAR ENDED 31 MARCH 1985

No.	Supply Authorities	Capital Expenditure During Year					Sources 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	from Other Sources			
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
1	Electricity Division ¹	182,240,611	33,603,884	11,553,296	227,397,791	...	35,268,387	120,424,880	71,704,524	227,397,791	1
Government Department														
1	Southland ²	1
Power Boards and Related Authorities														
1	Ashburton	...	2,170,836	489,663	2,660,499	519,091	251,710	1,427,578	462,120	1,714,376	5,202,586	2,660,499	1	
2	Auckland	...	18,247,890	2,817,562	21,065,452	888,533	5,468,550	6,000,000	1,791,407	1,714,376	5,202,586	21,065,452	2	
3	Bay of Islands	...	2,576,782	295,733	2,872,515	191,489	1,261,886	477,076	942,064	123,012	3,985	2,872,515	3	
4	Bay of Plenty	...	1,792,172	374,424	2,228,130	80,525	250,000	867,497	903,111	123,012	3,985	2,228,130	4	
5	Buller	...	557,140	351,200	908,340	65,809	98,499	637,057	106,975	...	...	908,340	5
6	Cambridge	...	645,974	261,465	907,439	12,305	...	638,779	237,824	...	18,531	907,439	6	
7	Central Canterbury	...	3,128,687	1,428,564	4,557,251	336,088	2,741,344	2,741,344	1,236,671	...	243,148	4,557,251	7	
8	Central Hawke's Bay	...	537,232	33,064	570,296	26,853	46,349	285,201	211,893	...	...	570,296	8
9	Central Waikato	...	3,810,946	853,982	4,664,928	425,717	3,874,406	3,874,406	364,805	...	...	4,664,928	9
10	Dannevirke	...	633,948	97,206	731,154	124,446	...	348,492	258,216	...	...	731,154	10
11	Egmont	...	1,142,171	278,314	1,420,485	471,310	10,761,300	782,482	419,375	341,709	59,479	12,493,946	11	
12	Franklin	...	4,033,314	687,467	4,720,781	308,680	658,084	453,854	277,434	341,709	51,020	5,300,000	12	
13	Hawke's Bay	...	4,798,359	3,355,306	8,153,665	67,886	875,200	3,588,705	1,192,892	2,428,982	...	8,153,665	13	
14	Horowhenua	...	2,308,315	569,893	2,878,208	207,657	1,038,000	1,274,647	357,904	...	...	2,878,208	14
15	Hutt Valley	...	2,970,928	1,967,347	4,938,275	307,768	1,118,810	3,500,000	11,697	...	...	4,938,275	15
16	King Country	...	695,791	130,608	826,399	153,328	...	450,388	222,683	...	83,752	826,399	16	
17	Manawatu-Oroua	...	2,090,243	2,702,274	4,792,517	130,537	...	1,414,086	1,073,899	...	...	4,792,517	17
18	Marlborough	...	2,590,193	542,629	3,132,822	268,252	2,568,221	1,689,557	662,681	...	...	3,132,822	18
19	North Auckland	...	3,057,376	339,945	3,397,321	503,173	862,914	1,400,235	767,341	160,000	94,199	3,397,321	19	
20	North Canterbury	...	2,431,364	361,232	2,792,596	205,020	420,000	1,400,235	767,341	...	...	2,792,596	20
21	Otago	...	731,461	1,901,232	2,632,693	110,371	8,274,577	563,159	311,125	...	...	8,979,232	21
22	Otago Central	...	1,561,810	290,596	1,852,406	552,952	...	784,899	616,167	...	...	1,852,406	22
23	Poverty Bay	...	1,254,310	311,913	1,566,223	64,035	459,186	569,509	420,355	...	53,138	1,566,223	23	
24	Rotorua	...	1,685,050	2,566,588	4,251,638	119,127	3,166,744	1,452,762	608,974	148,800	2,157,169	4,251,638	24	
25	South Canterbury	...	2,155,081	341,010	2,496,091	130,763	100,000	1,149,644	735,381	380,303	...	2,496,091	25	
26	Taranaki	...	2,069,687	1,354,387	3,424,074	215,411	100,000	2,254,327	884,329	...	...	3,424,074	26
27	Taranaki	...	860,986	124,661	985,647	9,942	250,000	592,402	133,303	...	...	985,647	27
28	Tasman	...	2,749,993	3,736,731	6,486,724	406,627	1,146,000	929,819	1,322,174	2,672,104	...	6,486,724	28	
29	Tauranga	...	4,646,575	620,688	5,267,263	227,447	1,130,000	2,677,192	1,268,421	...	9,950	5,303,060	29	
30	Te Awamutu	...	671,226	312,983	984,209	...	...	620,423	353,836	...	...	984,209	30
31	Thames Valley	...	3,451,778	730,349	4,182,127	251,743	600,000	1,613,771	1,687,459	...	29,154	4,182,127	31	
32	Waikato	...	1,608,251	466,260	2,074,511	138,021	875,000	684,017	309,097	8,820	2,074,511	2,074,511	32	
33	Waikato	...	3,126,079	2,261,380	5,387,459	900	6,303,875	340,603	14,325	91,600	...	6,303,875	33	
34	Waikato	...	1,210,702	501,035	1,711,737	181,905	900,121	900,121	629,711	703,109	618,184	1,711,737	34	
35	Waitemata	...	7,986,802	2,068,013	10,054,815	743,744	4,254,700	1,015,628	2,719,450	...	...	10,054,815	35
36	Waitemata	...	1,030,203	676,695	1,706,898	219,7	257,802	375,649	758,584	62,490	258,154	1,706,898	36	
37	Wanganui-Rangitikei	...	1,378,962	993,908	2,372,870	117,678	364,218	866,769	1,024,205	...	...	2,372,870	37
38	West Coast	...	112,356	386,480	498,836	138,159	186,163	1,471,663	909,522	...	...	498,836	38
		26,393,620	96,173,053	35,492,544	158,059,217	8,705,489	53,242,527	51,013,496	27,337,129	6,166,078	11,594,498	158,059,217		

TABLE III—ANALYSIS OF CAPITAL EXPENDITURE FOR THE YEAR ENDED 31 MARCH 1985—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	from Other Sources	Total		
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
<i>Territorial Authorities</i>														
1	Bluff	..	21,058	4,985	26,043	..	339,900	26,043	3,244,587	26,043
2	Christchurch	..	5,613,213	1,719,331	7,332,544	3,748,057	7,332,544
3	Dunedin	..	1,219,189	417,228	1,636,417	82,340	..	768,672	..	3,351,828	..	..	4,202,840
4	Hamilton	..	724,543	119,145	843,688	..	..	813,531	..	30,157	..	..	843,688
5	Heathcote	..	188,367	23,506	211,873	..	..	211,873	..	..	..	..	211,873
6	Invercargill	..	762,644	112,815	875,459	..	411,653	68,480	383,811	..	11,515	..	875,459	
7	Kaipoi	..	121,574	15,273	136,847	..	..	136,847	..	..	..	..	136,847
8	Lytelton	..	100,002	..	100,002	..	..	100,002	..	..	..	..	100,002
9	Napier	..	681,737	52,606	734,343	..	493,200	413,174	321,169	..	..	..	734,343
10	Nelson	..	722,970	126,315	849,285	..	..	153,104	262,981	..	..	..	849,285
11	New Plymouth	..	978,808	485,807	1,464,615	48,350	..	570,908	851,060	..	..	..	1,470,318
12	Palmerston North	..	628,986	321,659	950,645	86,540	103,617	489,777	270,711	..	..	..	950,645
13	Riccarton	..	551,906	67,326	619,232	..	309,463	309,769	..	71,983	..	..	619,232
14	Taumarunui	..	66,906	75,870	142,776	..	..	70,793	..	..	..	..	142,776
15	Taupo	..	80,239	1,008,421	1,088,660	124,619	121,500	547,983	363,013	152,000	..	..	1,309,115
16	Tauranga	..	381,227	86,413	467,640	3,566	..	465,431	..	..	4,171	..	473,168
17	Thames-Coromandel	..	65,480	136,697	202,177	10,332	..	61,103	27,742	103,000	..	..	202,177
18	Timaru	..	991,377	96,656	1,088,033	..	130,975	449,772	47,476	507,286	..	..	1,088,033
19	Wairoa	..	316,836	51,651	368,487	..	..	321,011	..	..	..	..	368,487
20	Wellington	..	1,812,178	917,361	2,729,539	62,269	..	2,375,083	..	292,187	..	..	2,729,539
21	Whakatane	..	336,521	77,524	414,045	..	..	290,664	120,970	..	2,411	..	414,045
22	Whangarei	..	569,715	8,653	578,368	..	..	578,348	..	..	..	..	578,348
			2,724,799	17,872,622	25,658,807	418,016	1,910,308	12,970,425	5,833,520	4,508,441	18,097	..	25,658,807	
	GRAND TOTALS	..	211,359,030	147,649,559	411,115,815	9,123,505	90,421,222	184,408,801	104,875,173	10,674,519	11,612,595	..	411,115,815	

NOTES: ¹Included with the Electricity Division.
²Included with the Electricity Division.
³As for note 3, Table VI, and as a result the operations of the Tauranga Joint Generation Committee have been included with the Tauranga Electric Power Board.

**ELECTRICITY DIVISION ONLY
TABLE IV—GENERATION FOR PUBLIC SUPPLY
YEAR ENDED 31 MARCH 1985**

Station	Maximum Load kW	Units Generated kW	Annual Load factor %	Availability Factor %	Station Type and Fuel Used
NORTH ISLAND THERMAL:					
Huntly ¹	764 400	2 814 232 700	42.03	64.34	steam turbine, natural gas or coal
Marsden	246 600	5 570 300	2.58	76.39	steam turbine, residual oil
Meremere	81 600	179 135 000	25.06	42.22	steam turbine, coal
New Plymouth	583 000	2 119 614 200	41.50	67.38	steam turbine, natural gas or residual oil
Ohahu	118 800	23 893 000	2.96	47.91	gas turbine, natural gas or distillate oil
Stratford	219 700	288 817 000	41.50	84.29	gas turbine, natural gas
Waikake	154 500	1 206 338 000	89.13	86.24	geothermal
Whinaki	53 600	845 900	1.80	94.94	gas turbine, distillate oil
		6 638 446 100			
NORTH ISLAND HYDRO					
Arapuni	156 700	765 025 900	55.73	89.12	
Arotuna	84 700	314 575 300	42.40	92.72	
Aumun	79 400	272 801 700	39.22	90.94	
Karapiro	100 600	482 185 400	54.72	76.92	
Mangahao	20 700	78 910 000	43.52	84.48	
Maricel	254 500	744 878 900	33.42	91.79	
Maohina	73 700	248 709 500	38.52	95.82	
Ohakuri	115 200	378 381 000	37.49	91.18	
Rangipo ¹	105 800	318 915 200	34.41	60.98	
Tokanu	218 800	664 356 200	34.66	90.93	
Waikaremoana:					
Kaitiawa		88 856 200		92.05	
Piripaua	131 700	130 676 000	36.36	87.62	
Tuan		199 933 800		92.24	
Waipapa	54 100	233 346 000	49.23	79.51	
Whakamaru	102 400	471 882 100	52.61	90.18	
		88 856 200			
		130 676 000			
		199 933 800			
		233 346 000			
		471 882 100			
		5 393 433 200			
SOUTH ISLAND HYDRO					
Arnold	3 200	26 737 300	95.38	96.37	
Ayremore	238 000	972 718 700	46.66	92.86	
Benmore	562 000	2 433 800 600	49.44	94.66	
Cobb	34 600	206 366 700	69.09	89.59	
Coleridge	38 700	176 852 400	52.17	76.17	
Highbank	26 800	80 553 300	34.31	82.59	
Manapouri	598 000	4 636 898 000	88.52	85.60	
Monowai	6 500	37 350 900	65.60	...	
Ohau A	266 500	1 185 881 000	50.80	90.60	
Ohau B	220 300	972 795 000	50.41	81.54	
Ohau C ¹	58 300	12 178 000	...	...
Roxburgh	331 600	1 542 543 000	53.10	93.35	
Telapou A	26 800	125 444 900	53.43	86.42	
Telapou B	166 600	801 419 000	54.91	89.59	
Waitaki	109 100	510 251 300	46.66	91.43	
		13 721 790 100			
		25 753 669 400			

¹Three of 4 units commissioned. Fourth unit undergoing commissioning tests. ²Commissioning completed during year. ³New station not yet commissioned.

TOTAL ELECTRICITY DIVISION:

TABLE V—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1985

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	Generation	Distribution ²	Number			kVA
			kW	kW	kW	kW								
<i>Electricity Division¹</i>														
1 North Island														
		G.	...	...	...	...	4 121 200	...	...	...	33 000; 11 000	226	9 090 100	9 626
Arapuni ..			156 000	...	...	...	...	...	...	11 000	53	...	...	...
Araucua ..			84 000	...	...	...	...	...	...	11 000	34	...	...	...
Atiamun ..			81 000	...	...	...	...	...	...	11 000	25	...	...	...
Huntly ⁴	711 000	...	...	...	...	...	16 500	...	...	...	...
Kaipuro ..			90 000	...	...	...	...	...	...	11 000	30	...	...	...
Mangahao ..			20 000	...	...	...	...	...	...	11 000	273	...	...	...
Maratua ..			360 000	...	...	...	...	...	...	11 000	61	...	...	...
Marsden	230 000	...	...	...	...	...	14 400	...	...	...	...
Matahina ..			72 000	...	...	...	...	...	...	11 000	61	...	...	...
Meremere	170 000	...	...	...	...	...	11 000	...	...	...	...
New Plymouth	600 000	...	...	...	...	...	13 800	...	...	...	...
Ohakun ..			112 000	...	...	...	...	...	...	11 000	35	...	...	...
Otauhu	259 000	...	...	...	...	11 000	206	11 000	...	...
Rangipo ⁵ ..			120 000	...	...	...	...	...	...	11 000	...	...	...	...
Stratford	208 000	...	...	...	...	11 500	208	...	...	...
Tokanu ..			200 000	...	...	...	...	...	...	11 000	...	...	...	...
Waikaremoana:		
Kaitiawa ..			32 000	...	...	...	...	...	...	6 000	135	...	...	...
Piripaua ..			40 000	...	...	...	...	...	...	11 000	113	...	...	...
Tua ..			52 000	...	...	...	...	...	...	11 000	206	...	...	...
Waipapa ..			51 000	...	...	...	...	...	...	11 000	16	...	...	...
Weirake	157 200	...	...	...	...	...	11 000	...	...	...	...
Whakamaru ..			100 000	...	...	...	...	...	...	11 000	38	...	...	...
Whirinaki	216 000	...	...	11 000	...	...	...	...
Whirinaki ..		G.	...	...	...	...	2 556 960	...	...	...	...	...	...	...
2 South Island														
		G.	...	...	...	...	...	...	...	...	33 000; 11 000; 6 600; 6 350	7 949	4 097 983	15 871 ²
Arnold ..			3 060	...	...	...	...	...	...	3 300	13	...	...	...
Aviemore ..			240 000	...	...	...	...	...	...	11 000	37	...	...	...
Benmore ..			540 000	...	...	...	...	...	...	16 000	92	...	...	...
Cobb ..			32 000	...	...	...	...	...	...	6 600	594	...	...	...
Coleridge ..			34 500	...	...	...	...	...	...	6 600	149	...	...	...
Highbank ..			25 200	...	...	...	...	...	...	11 000	101	...	...	...
Manapouri ..			590 000	...	...	...	...	...	...	13 800	177	...	...	...
Monowai ..			6 000	...	...	...	...	...	...	6 600	47	...	...	...
Ohau "A" ..			264 000	...	...	...	...	...	...	13 200	58	...	...	...
Ohau "B" ..			212 000	...	...	...	...	...	...	11 000	48	...	...	...
Roxburgh ..			320 000	...	...	...	...	...	...	11 000	46	...	...	...
Tekapo "A" ..			25 200	...	...	...	...	...	...	11 000	30	...	...	...
Tekapo "B" ..			160 000	...	...	...	...	...	...	11 000	146	...	...	...
Wairaki ..			105 000	...	...	...	...	...	...	11 000	21	...	...	...
			4 126 960	1 868 200	683 000	6 678 160	...	...	...	...	8 175	13 188 083	25 497 ²	

TABLE V—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1985—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 ²	Number			kVA
			kW	kW	kW	kW								
Government Department														
1	Southland	G.	6 000	...	...	6 000	47	...	66 000	33 000; 11 000; 6 600; 6 350	...	7 841	555 833	7 972
Power Boards and Related Authorities														
1	Ashburton	I. & G.	1 900	...	...	1 900	7	...	110 000	33 000; 22 000; 11 000; 6 600	...	3 369	210 466	3 490
2	Auckland	G.	...	...	...	...	...	...	110 000	33 000; 11 000; 6 350	...	6 721	3 836 968	7 413
3	Bay of Islands	G.	...	...	...	...	...	...	110 000	33 000; 11 000	...	2 196	235 579	4 200
4	Bay of Plenty	I. & G.	25 375	...	...	25 375	38; 9	...	110 000	33 000; 11 000	...	425	37 308	2 077
5	Buller	I. & G.	297	...	...	297	...	...	...	33 000; 11 000	...	955	58 525	704
6	Cambridge	G.	...	...	...	...	...	...	...	11 000	...	4 762	501 424	1 027
7	Central Canterbury	G.	...	...	...	...	...	...	...	33 000; 11 000	...	1 586	85 845	3 573
8	Central Hawke's Bay	G.	...	...	...	...	...	...	...	33 000; 11 000	...	2 981	429 142	2 165
9	Central Waikato	G.	...	...	...	...	...	...	...	33 000; 11 000	...	1 154	50 490	4 867
10	Dannevirke	G.	...	...	...	...	...	...	...	11 000; 6 600	...	1 451	77 405	1 028
11	Egmont	I. & G.	32 460	...	...	32 460	15; 62	...	110 000	33 000; 11 000	...	1 870	243 841	1 819
12	Franklin	G.	...	...	...	...	...	...	...	33 000; 11 000	...	3 570	591 120	2 835
13	Hawke's Bay	G.	...	...	...	...	...	...	...	33 000; 11 000	...	1 847	230 196	4 565
14	Horowhenua	G.	...	...	...	...	...	...	...	33 000; 11 000; 3 300	...	2 741	914 370	1 706
15	Hutt Valley	G.	...	...	...	...	...	...	...	33 000; 11 000	...	1 479	95 218	2 210
16	King Country	I. & G.	6 000	...	...	6 000	67	...	33 000	33 000; 11 000; 6 600	...	2 163	335 610	2 374
17	Manawatu-Oroua	G.	12 000	...	...	12 000	...	...	11 000; 33 000	33 000; 11 000; 6 600	...	4 026	222 081	2 617
18	Marlborough	I. & G.	1 330	...	...	1 330	21; 30; 42	...	11 000; 33 000	33 000; 11 000; 6 600	...	4 026	417 874	2 896
19	North Auckland	G.	...	...	...	...	...	...	...	33 000; 11 000	...	4 122	180 003	4 659
20	North Canterbury	G.	...	...	...	...	...	...	...	33 000; 11 000	...	3 361	223 791	4 329
21	Otago	I. & G.	12 250	...	...	12 250	132; 30	...	66 000	33 000; 22 000; 11 000; 6 600; 6 350	...	1 859	104 034	4 600
22	Otago Central	I. & G.	17 785	...	...	17 785	309; 301; 244; 205; 125; 117; 88; 71; 65	...	33 000	33 000; 11 000; 6 600	...	2 345	179 691	2 432
23	Poverty Bay	G.	...	...	...	...	...	...	110 000	50 000; 11 000	...	1 611	123 916	2 800
24	Rotorua	I. & G.	27 200	...	...	27 200	126; 32	...	110 000	33 000; 22 000; 11 000	...	3 922	249 117	1 827
25	South Canterbury	G.	...	...	...	...	...	...	...	33 000; 22 000; 11 000	...	1 879	242 478	3 308
26	Taranaki	I. & G.	4 800	...	...	4 800	99	...	33 000	33 000; 11 000; 6 600	...	1 183	43 374	2 492
27	Tararua	I. & G.	700	...	...	700	115	...	33 000	33 000; 11 000; 6 600	...	2 750	293 788	1 393
28	Tasman	I. & G.	43 800 ³	...	...	43 800 ³	151; 85; 34; 25	...	33 000	33 000; 11 000; 6 300	...	3 411	414 836	3 201
29	Tauranga	I. & G.	...	...	...	...	...	...	...	11 000	...	1 317	66 330	3 665
30	Te Awamutu	G.	...	...	...	...	...	...	...	66 000; 33 000; 11 000	...	4 726	491 670	1 273
31	Thames Valley	G.	770	...	...	770	88; 131	...	33 000	33 000; 11 000; 3 300	...	2 963	228 264	6 983
32	Waikato	I. & G.	...	...	...	...	...	...	...	11 000	...	1 891	172 421	2 979
33	Waipara	G.	...	...	...	...	...	...	110 000	33 000; 11 000	...	7 989	1 527 714	1 050
34	Waikato	I. & G.	6 000	...	...	6 000	...	...	...	33 000; 11 000	...	2 584	132 524	1 837
35	Waitemata	I. & G.	...	...	...	...	...	...	...	33 000; 22 000; 11 000; 6 600	...	3 263	244 952	8 804
36	Waitemata	I. & G.	6 478	...	...	6 478	20; 41	...	33 000	33 000; 22 000; 11 000; 6 600	...	1 359	76 735	2 841
37	Wanganui-Rangitikei	I. & G.	346	...	...	346	116	...	...	33 000; 22 000; 11 000; 6 600	...	...	...	4 223
38	West Coast	I. & G.	13 541	...	...	13 541	198; 78; 76; 55; 53; 46; 33; 33; 13	...	66 000	33 000; 11 000	...	...	...	1 868
			204 530	...	...	204 530	...	...	...	...	...	102 153	13 821 620	117 929

TABLE V—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1985—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 ²	Number			kVA
			kW	kW	kW	kW							
<i>Territorial Authorities</i>													
1	Bluff	B.	...	...	...	...	...	...	...	...	...	...	39
2	Christchurch	G.	...	...	...	...	...	...	...	...	...	...	2 993
3	Dunedin	L. & G.	82 177	...	...	218; 57; 51; 34; 34	11 000; 6 600	110 000; 33 000	66 000; 11 000	33 000; 11 000; 6 600	2 166	1 841	1 841
4	Hamilton	G.	...	...	...	...	...	...	...	...	1 852	209 850	295
5	Heathcote	G.	...	...	...	...	...	...	...	...	74	28 475	78
6	Invercargill	B.	...	...	...	...	...	...	...	...	327	159 437	475
7	Kanopu	B.	...	...	...	...	...	...	...	...	38	11 500	45
8	Lytelton	G.	...	...	...	...	...	...	...	...	34	11 033	48
9	Napier	B.	...	...	...	...	...	...	...	...	169	90 800	154
10	Nelson	B.	...	...	...	...	...	...	...	...	153	85 260	182
11	New Plymouth	L. & G.	4 400	...	...	73	6 600	...	33 000; 11 000	...	1 348	237 615	1 187
12	Palmerston North	L. & B.	...	...	1 900	...	3 300	...	33 000; 11 000	...	315	209 400	379
13	Riccarton	G.	...	...	...	...	...	...	11 000	...	39	23 600	74
14	Taumarunui	L. & B.	1 430	...	...	9	3 300	...	11 000; 3 300	...	57	9 390	46
15	Taupo	L. & G.	6 650	...	...	35; 32; 25	3 300	...	33 000; 11 000	...	719	134 718	840
16	Tauranga	L. & B.	640	...	...	34	3 300	33 000	11 000	...	86	56 955	144
17	Thames-Coromandel	B.	...	...	...	...	...	...	11 000	...	55	16 000	121
18	Timaru	B.	...	...	...	...	...	...	11 000	...	133	59 455	211
19	Wairoa	B.	...	...	...	...	...	...	11 000	...	66	11 100	82
20	Wellington	G.	...	...	...	...	...	110 000	33 000; 11 000; 3 300	...	721	904 217	1 600
21	Whakatane	B.	...	...	...	...	...	...	33 000; 11 000	...	77	30 700	72
22	Whangarei	B.	...	...	...	...	...	...	11 000	...	176	46 215	164
GRAND-TOTALS			95 297	1 868 200	692 902	97 197	...	...	...	...	8 831	4 321 878	11 070
GRAND-TOTALS			4 426 787	1 868 200	692 902	6 987 889	...	...	...	...	119 159	31 331 580	154 496 ⁷

NOTES: ¹G. = Government supply, B. = Bulk supply from another authority, L. = Independent supply (own generation).

²Operated by Tauranga Joint Generation Committee, jointly owned by Tauranga Electric Power Board and Tauranga City Council. ³Low tension predominantly 400/230 volts, 50 Hertz. ⁴Includes Southland Electric Power Supply. ⁵Shown separately but included with the Electricity Division. ⁶Includes 42 circuit-kilometres of lines owned by Tauranga Joint Generation Committee. ⁷Includes 40 kilometres of submarine cable (inter-island H.V.D.C.). ⁸Huntly; three of 4x237 MW units now commissioned. ⁹Kangipoi; commissioning completed during year.

TABLE VI—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION, FOR THE YEAR ENDED 31 MARCH 1985

No.	Supply Authorities	Maximum Load kW	Annual Load Factor %	Electricity										kWh Sold (Average) Per Head of Population ¹	No.	
				Generated			Purchased	Generated and Purchased	In Bulk for Retail	Sold		Non-productive ²	Percentage Non-productive ³			kWh
				Hydro	Steam	Oil/Gas				Domestic	Non-domestic					
kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh			
1	Electricity Division ¹	4 641 600	63.39	19 115 223 300 ²	6 324 890 200	313 555 900	19 102 376	25 772 771 776	18 431 897 401	225 878 685	5 362 927 609	1 752 068 081	6.80	...		
1	Government Department Southland ¹	157 549	49.54	37 350 900	...	...	646 393 166	683 744 066	249 824 222	207 361 674	192 712 633	33 845 537	7.80	5 667
	<i>Power Boards and Related Authorities</i>															
1	Ashburton	36 851	58.20	9 131 500	...	...	178 736 689	187 868 189	...	81 636 518	95 116 872	11 114 799	5.92	7 099
2	Auckland	657 703	57.77	...	...	...	3 328 443 056	3 328 443 056	...	1 894 915 577	121 272 839	3.64	6.137	2
3	Bay of Islands	36 377	63.68	...	...	...	202 923 430	202 923 430	...	98 435 125	87 108 728	17 379 577	8.56	3 965
4	Bay of Plenty	73 963	73.74	...	...	...	355 142 451	477 777 961	38 868 540	89 576 837	335 371 489	13 161 095	3.14	10 709
5	Buller	11 605	77.93	...	...	...	79 216 587	79 216 587	...	17 235 061	57 655 364	4 326 162	5.46	8 884
6	Cambridge	15 948	62.56	...	...	...	87 395 913	87 395 913	...	40 295 122	42 894 153	4 206 638	4.81	5 737
7	Central Canterbury	84 251	60.36	...	...	...	445 483 401	445 483 401	390 910	138 669 299	284 256 546	22 166 646	4.98	9 174
8	Central Hawke's Bay	14 205	64.99	...	...	...	80 871 653	80 871 653	...	44 971 490	7 600 442	7 600 442	9.40	5 615
9	Central Waikato	99 677	55.11	...	...	...	481 202 477	481 202 477	48 450	239 470 742	213 002 829	28 680 456	5.96	3 994
10	Dannevirke	12 837	62.38	...	...	...	70 142 739	70 142 739	...	37 192 472	28 180 795	4 769 472	6.80	5 381
11	Egmont	37 041	62.44	84 105 136	...	...	118 504 377	202 609 513	6 629 271	67 672 050	122 922 447	5 385 745	2.75	7 941
12	Franklin	44 718	58.31	...	...	...	228 416 416	228 416 416	328 000	118 633 152	88 891 565	20 563 699	9.02	4 415
13	Hawke's Bay	178 493	69.96	...	...	...	1 093 867 258	1 093 867 258	74 695 000	289 694 955	699 209 527	30 267 776	2.97	9 268
14	Horowhenua	60 470	50.63	...	...	...	268 193 050	268 193 050	...	156 297 053	87 389 120	24 506 877	9.14	4 407
15	Hutt Valley	244 942	45.15	...	...	...	968 712 783	968 712 783	...	546 853 664	377 611 559	44 247 560	4.57	4 483
16	King Country	47 142	64.36	23 656 400	...	...	242 122 310	265 778 710	15 136 650	47 893 889	196 479 591	6 268 580	2.50	15 038
17	Manawatu-Oroua	97 115	57.29	...	...	...	487 348 556	487 348 556	185 691 440	132 281 454	155 207 321	14 168 341	4.70	5 518
18	Marborough	34 763	59.00	58 897 527	...	13 750	179 671 568	179 671 568	117 573	96 615 311	69 326 896	13 612 588	4.86	18 177		
19	North Auckland	78 830	65.96	...	...	...	455 470 619	455 470 619	89 733 707	145 443 744	196 674 555	23 618 613	6.46	6 002
20	North Canterbury	41 878	60.72	...	...	...	222 736 691	222 736 691	21 001 376	94 971 564	93 385 334	13 378 417	6.63	5 556
21	Otago	33 826	57.56	30 596 000	...	...	139 952 569	170 548 569	32 203	89 646 848	63 542 135	17 327 383	10.16	6 031
22	Otago Central	36 163	59.76	106 279 089	...	...	83 037 106	189 316 195	141 464	93 085 945	82 189 233	13 899 533	7.35	7 621
23	Poverty Bay	45 052	56.29	...	...	...	222 152 519	222 152 519	...	115 790 698	90 736 406	15 625 415	7.03	4 404
24	Rotorua	61 276	53.51	74 228 500	...	...	213 010 486	287 238 986	706 662	142 390 728	118 899 338	25 242 258	8.81	4 167
25	South Canterbury	71 016	59.53	...	...	...	370 367 844	370 367 844	117 864 340	132 028 221	103 461 603	17 013 680	6.74	6 181
26	Taranaki	35 988	65.06	21 625 575	...	...	166 384 420	188 009 995	...	81 116 993	92 263 219	14 629 783	7.78	6 062
27	Taranua	9 900	59.89	...	...	...	51 938 855	31 938 855	...	23 809 164	22 525 643	5 604 048	10.79	5 843
28	Tasman	76 077	59.11	...	...	...	393 957 377	393 957 377	110 952 160	140 041 985	125 357 126	17 606 106	6.22	5 204
29	Tauranga ¹	82 510	56.07	148 065 933 ²	...	...	257 237 038	405 302 971	52 551 265	200 168 357	126 235 089	26 348 260	7.41	4 101
30	Te Awamutu	18 314	66.08	...	...	...	106 015 550	106 015 550	19 130	56 285 240	42 071 965	7 639 215	7.21	4 596
31	Thames Valley	182 214	70.04	...	...	...	1 118 048 781	1 118 048 781	30 625 330	236 829 775	816 623 875	33 969 801	3.12	11 513
32	Wairarapa	41 053	56.12	2 621 629	...	...	199 187 408	201 809 037	...	114 446 553	74 325 502	13 036 982	6.46	5 144
33	Waikato	12 078	55.97	...	...	...	59 221 926	59 221 926	21 278 739	15 099 723	30 444 670	2 398 794	6.32	6 055
34	Waikato	27 382	61.46	...	...	...	147 428 597	147 428 597	...	70 411 537	68 001 246	9 015 814	6.12	6 320
35	Waitemata	302 955	46.68	...	...	164 340	1 238 587 697	1 238 587 697	...	778 587 291	377 053 761	83 110 985	6.71	3 562
36	Waitemata	26 978	53.15	24 047 000	...	...	101 561 650	125 608 560	...	57 756 756	55 371 943	12 479 951	9.94	5 685
37	Wanganui-Rangitikei	73 517	57.11	1 278 000	...	...	366 520 976	367 998 976	...	179 329 743	159 983 101	28 486 132	7.75	4 975
38	West Coast	27 312	53.11	59 410 360	...	33 780	67 627 585	121 071 925	276 005	50 669 912	63 339 700	12 786 308	10.08	4 524		
	...	...	...	766 578 359	...	211 870	14 817 929 131	15 584 719 360	767 088 215	6 373 589 611	7 656 524 764	787 516 770	5.31	5 721

TABLE VI—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION, FOR THE YEAR ENDED 31 MARCH 1985—continued

No.	Supply Authorities	Maximum Load kW	Annual Load Factor %	Electricity										kWh Sold (Average) Per Head of Population ¹	No.					
				Generated			Oil/Gas	Purchased	Generated and Purchased	In Bulk for Resale	Sold		Non-productive ⁴			Percentage Non Productive ¹	%			
				Hydro	Steam	kWh					kWh	kWh						kWh	kWh	kWh
<i>Territorial Authorities</i>																				
1	Bluff	3 918	52.00	...	...	17 847 222	17 847 222	...	...	7 036 659	9 276 242	1 534 321	8.60	6 323		
2	Christchurch	366 079	44.13	...	...	1 415 099 539	1 415 099 539	416	...	837 034 477	513 374 530	64 690 116	5.73	5 573				
3	Dunedin	179 200	47.11	...	...	562 638 018	562 638 018	...	...	397 791 985	295 579 288	46 128 845	6.24	6 432		
4	Hamilton	34 056	43.87	...	...	130 877 888	130 877 888	...	...	47 283 301	75 880 444	7 714 143	5.89	5 355		
5	Heathcote	11 791	50.35	...	...	52 008 800	52 008 800	...	...	24 042 470	25 912 890	2 053 440	3.95	7 293		
6	Invercargill	54 100	48.95	...	...	231 977 000	231 977 000	11 462 000	...	123 840 165	87 965 044	8 709 791	3.95	5 487				
7	Kaunapoi	5 392	44.46	...	...	21 001 376	21 001 376	...	...	13 282 120	7 029 269	689 987	3.29	4 359		
8	Lytelton	3 848	49.79	...	...	16 782 999	16 782 999	...	...	9 377 018	6 224 712	1 181 269	7.04	5 932		
9	Napier	17 100	49.86	...	...	74 695 000	74 695 000	...	...	31 094 139	40 721 038	2 879 823	3.86	6 010		
10	Nelson	23 008	55.05	...	...	110 952 160	110 952 160	...	...	49 164 536	56 388 498	5 399 126	4.87	6 137		
11	New Plymouth	56 359	56.93	...	...	263 515 229	281 079 229	...	...	134 035 035	132 600 312	14 443 882	5.14	5 147		
12	Palmerston North	43 680	48.53	3 599	...	185 691 440	185 695 039	...	...	100 112 112	72 492 439	13 080 488	7.05	4 042				
13	Riccarton	12 768	43.21	...	...	48 332 160	48 332 160	...	...	22 735 423	22 778 496	2 818 239	5.83	7 202		
14	Taumarunui	5 310	44.55	5 585 640	...	15 136 650	20 722 290	2 930	...	10 857 913	8 832 389	1 029 058	4.97	4 745						
15	Taupo	26 220	54.29	24 357 030	...	100 339 200	124 696 230	...	...	50 330 057	67 137 528	7 228 645	5.80	6 315				
16	Tauranga	15 180	40.23	951 735	...	52 551 265	53 503 000	...	...	16 661 150	34 313 187	2 528 663	4.73	8 850				
17	Thames-Coromandel	7 400	47.08	...	...	30 522 200	30 522 200	...	...	14 890 847	14 297 228	1 334 125	4.37	4 693		
18	Timaru	24 454	55.02	...	...	117 864 340	117 864 340	...	...	59 295 804	53 716 421	4 852 115	4.12	6 237		
19	Wairoa	4 683	51.87	...	...	21 278 739	21 278 739	...	...	13 108 942	6 548 681	1 631 116	7.76	3 621		
20	Wellington	199 248	45.52	...	...	794 587 515	794 587 515	...	...	371 397 618	388 404 599	34 585 298	4.35	6 661		
21	Whakatane	8 472	52.37	...	...	38 868 540	38 868 540	...	...	22 517 880	13 911 900	2 438 760	6.27	3 669		
22	Whangarei	19 140	53.51	...	...	89 714 947	89 714 947	...	...	42 365 627	43 076 783	4 272 537	4.76	4 644		
Sundry Private Plants				...	225 320 505	...	4 392 282 227	4 617 606 331	11 462 346	2 398 452 280	1 976 431 918	231 253 787	5.02	5 760						
				232 620	18 630 152	...	...	...	18 862 772	...	...	...	...	...	
GRAND TOTALS				20 107 354 784	6 343 523 951	313 767 770	8 997 923 576	14 995 884 291	2 770 838 638	10.35 ²	26 764 646 505	26 764 646 505					

Electricity generated per head of total population: 8 132 kWh.
 Electricity sold retail per head of total population: 7 290 kWh.

Electricity generated per head of mean population: 8 197 kWh.
 Electricity sold retail per head of mean population: 7 348 kWh.

Maximum load for public supply: 4 893 300 kW.
 Annual load factor, New Zealand: 62.44 percent

NOTES: ¹Includes Southland Electric Power Supply. ²Shown separately but included with the Electricity Division. ³Tauranga 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 put in bulk for resale to Tauranga C.C. ⁴Lloyd Mandeno, Lower Mangapapa, McLaren Falls, and Ruahiti stations of the T.J.G.C. ⁵Percentage of total kWh generated. ⁶Includes own use, losses on transmission and distribution, also losses on bulk supply to other supply authorities. ⁷Percentage calculated on generated plus purchased less bulk for resale, except for the Electricity Division. ⁸kWh sold retail. ⁹Includes 12 178 000 kWh generated at Obau "C" during commissioning tests.

TABLE VII (PART D)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1985—continued

No.	Supply Authorities	Domestic						Commercial						Farming					
		Electricity Consumed	Income	Income per kWh Sold	Number	Average kWh per Consumer	Electricity Consumed	Income	Income per kWh Sold	Number	Average kWh per Consumer	Electricity Consumed	Income	Income per kWh Sold	Number	Average kWh per Consumer			
<i>Territorial Authorities</i>																			
1	Bluff	7 036 659	361,305	5.135	930	7 566	7 743 414	469,209	6.059	184	42 084	3 634 108	240,641	6.622	270	13 460			
2	Christchurch	837 034 477	33,897,344	4.050	94 257	8 880	311 145 071	25,828,413	8.301	10 310	30 179	2 354 999	199,969	8.492	561	4 198			
3	Dunedin	397 791 985	16,550,282	4.161	41 381	9 613	172 339 310	11,726,381	6.804	5 660	30 449	2 187 732	172,732	4.970	51	28 697			
4	Hamilton	47 283 301	2,801,121	5.924	8 867	5 333	58 048 077	5,415,733	9.330	2 654	21 872	1 463 560	72,732	4.970	51	28 697			
5	Heathcote	24 042 470	1,096,702	4.562	2 368	10 153	17 729 590	1,002,853	5.656	99	179 087	1 463 560	72,732	4.970	51	28 697			
6	Invercargill	123 840 165	6,119,125	4.941	14 030	8 827	62 930 967	4,915,152	7.810	1 720	36 588	7 370	752	10.204	7	1 053			
7	Kaipori	13 282 120	653,609	4.921	1 689	7 864	3 162 620	244,492	7.731	167	18 938	...	...	...	...	...
8	Lytelton	9 377 018	435,153	4.641	1 131	8 291	4 336 217	401,332	9.255	152	28 528	...	...	...	...	...
9	Napier	31 094 139	1,604,424	5.160	4 436	7 009	29 384 923	2,601,539	8.853	1 145	25 664	...	...	...	...	...
10	Nelson	49 164 536	1,935,055	3.936	6 118	8 036	33 862 237	3,241,793	9.573	1 136	29 808	1 038 831	52,625	5.066	57	18 235			
11	New Plymouth	134 035 035	6,243,284	4.658	19 098	7 018	50 091 391	4,517,305	9.018	2 390	20 959	13 571 570	1,162,338	8.565	1 236	10 980			
12	Palmerston North	109 112 112	4,436,816	4.032	15 018	6 666	62 181 617	5,638,001	9.067	2 557	24 318	53 200	6,077	11.423	6	8 867			
13	Riccarton	22 735 425	909,857	4.002	2 861	7 947	16 662 366	1,523,372	9.154	510	32 672	...	...	...	...	...
14	Taumarunui	10 857 913	465,480	4.287	1 322	8 213	7 409 817	588,348	7.940	364	20 357	54 669	5,724	10.470	19	2 877			
15	Taupo	50 330 057	2,641,775	5.249	7 445	6 760	28 584 010	2,629,820	9.200	1 160	24 641	1 370 734	160,699	11.724	342	4 008			
16	Tauranga	16 661 150	726,140	4.358	2 478	6 724	25 929 990	2,107,671	8.128	1 213	21 377	...	...	...	...	...
17	Thames-Coromandel	14 890 847	793,806	5.331	2 470	6 029	6 620 859	539,792	8.153	466	14 208	...	...	...	...	...
18	Timaru	59 295 804	2,739,737	4.620	7 206	8 229	35 715 489	2,555,669	7.156	1 308	27 305	...	...	...	...	...
19	Wairoa	13 108 942	699,107	5.333	1 709	7 671	5 616 185	526,342	9.372	268	20 936	212 640	16,217	7.627	1	212 640			
20	Wellington	371 597 618	14,596,201	3.928	46 406	8 008	333 447 787	28,097,529	8.426	7 188	46 390	42 440	4,947	11.656	18	2 358			
21	Whakatane	22 517 880	1,158,210	5.144	3 169	7 106	9 123 720	900,498	9.870	541	16 865	6 370	726	11.397	1	6 370			
22	Whangarei	42 365 627	2,074,320	4.896	6 311	6 713	34 557 448	2,871,832	8.310	1 460	23 669	19 487	1,915	9.827	5	3 897			
GRAND TOTALS		2 398 455 280	102,938,853	4.292	280 700	8 251	1 316 623 325	108,345,076	8.229	42 652	30 869	23 629 888	1,925,362	8.080	2 574	9 258			
GRAND TOTALS		8 997 923 576	435,092,178	4.835	1 188 692	7 570	4 223 666 668	332,139,783	7.864	151 265	27 922	612 882 227	46,882,778	7.650	84 370	7 264			

NOTES: ¹Includes Southland Electric Power Supply. ²Shown separately but included with Electricity Division. ³Includes 3 485 296 kWh used free of charge for irrigation.

TABLE VII (PART II)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1985—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 ..	1 415 480	79 582	5.622	1	1 415 480	553 485	5.967	198	46 850	16 312 901	914 790	5.608	1 128	14 462	1	
2	Christchurch ..	183 067 958	11 419 264	6.238	962	190 299	38 150 170	7.431	11 755	43 673	1 350 409 007	72 047 514	5.335	106 012	12 738	2	
3	Dunedin ..	115 998 674	6 410 245	5.526	316	367 084	18 530 986	6.269	6 549	45 133	693 371 273	35 081 268	5.060	47 930	14 466	3	
4	Hamilton ..	15 081 579	1 221 230	8.097	255	59 143	6 789 045	8.947	3 022	25 109	123 163 745	9 590 166	7.787	11 889	10 359	4	
5	Heathcote ..	5 980 400	270 523	4.523	1	5 980 400	1 385 961	5.349	153	189 365	49 953 360	2 482 663	4.970	2 521	19 816	5	
6	Invercargill ..	22 124 776	1 588 834	7.181	142	155 808	87 965 044	7.646	1 870	47 040	211 805 209	12 845 007	6.065	15 900	13 321	6	
7	Kaipoi ..	3 643 149	239 414	6.572	13	280 242	7 029 269	7.024	181	38 836	20 311 389	1 147 349	5.649	1 870	10 862	7	
8	Lytelton ..	1 608 600	174 848	10.870	6	268 100	6 224 712	9.509	161	38 663	15 601 730	1 027 088	6.583	1 292	12 076	8	
9	Napier ..	9 767 485	778 994	7.975	38	257 039	3 455 833	8.487	1 184	34 393	71 815 177	5 060 257	7.046	5 620	12 779	9	
10	Nelson ..	20 186 410	1 565 022	7.753	86	234 726	56 388 498	8.871	1 527	36 928	105 553 034	6 931 207	6.572	7 645	13 807	10	
11	New Plymouth ..	67 429 651	4 361 651	6.468	520	129 672	132 600 312	10.252 271	4 149	31 960	266 635 347	16 495 555	6.187	23 247	11 470	11	
12	Palmerston North ..	10 003 280	894 390	8.941	130	76 948	72 492 439	6.576 349	2 698	26 869	172 604 551	11 013 165	6.381	17 716	9 743	12	
13	Riccarton ..	5 399 481	428 000	7.927	39	138 448	22 778 496	1 979 890	553	41 191	45 513 921	2 889 747	6.349	3 414	13 332	13	
14	Taumarunui ..	975 358	75 106	7.700	38	25 667	8 832 389	692 731	7.843	20 930	19 690 302	1 158 211	5.882	1 744	11 290	14	
15	Taupo ..	35 957 222	1 950 022	5.423	54	665 874	67 137 528	4 814 171	1 573	42 681	117 467 585	7 455 946	6.347	9 018	13 026	15	
16	Tauranga ..	7 623 340	582 328	7.639	136	56 054	34 313 187	2 729 017	7.953	25 436	50 974 337	3 455 157	6.778	3 827	13 320	16	
17	Thames-Coromandel ..	7 167 369	350 370	4.891	31	231 205	14 297 228	924 815	4 498	28 709	29 188 075	1 718 621	5.888	2 968	9 834	17	
18	Timaru ..	15 904 653	980 931	6.168	58	274 218	53 716 421	3 646 172	6 788	39 209	113 012 225	6 385 909	5.651	8 576	13 178	18	
19	Waioa ..	302 676	27 154	8.971	4	75 669	6 518 681	611 007	274	23 791	19 627 623	1 310 114	6.675	1 983	9 898	19	
20	Wellington ..	37 904 678	2 535 005	6.688	242	156 631	388 404 599	31 725 359	8 168	52 093	760 002 217	46 321 560	6.095	53 862	14 110	20	
21	Whakatane ..	4 294 664	419 693	9.772	81	53 021	13 911 900	1 350 270	624	22 295	36 429 780	2 508 480	6.886	3 793	9 604	21	
22	Whangarei ..	6 864 185	514 651	7.498	125	54 913	43 076 783	3 473 430	1 607	26 806	85 442 410	5 547 750	6.493	7 918	10 791	22	
GRAND TOTALS ..		578 701 068	36 867 457	6.371	3 278	176 541	1 976 431 918	150 454 671	7 612	49 173	4 374 887 198	253 393 524	5.792	339 873	12 872		
		9 994 764 550	366 321 698	3.665	10 654	938 123	14 995 884 291	755 354 968	5.037	248 038	60 458	23 993 807 867	1 190 447 146	4.961	1 436 730	16 700	

NOTES: ¹Includes Southland Electric Power Supply. ²Shown separately but included with Electricity Division. ³Includes 3 485 296 kWh used free of charge for irrigation.

TABLE VII (PART III)—SUMMARY OF END USE OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1985

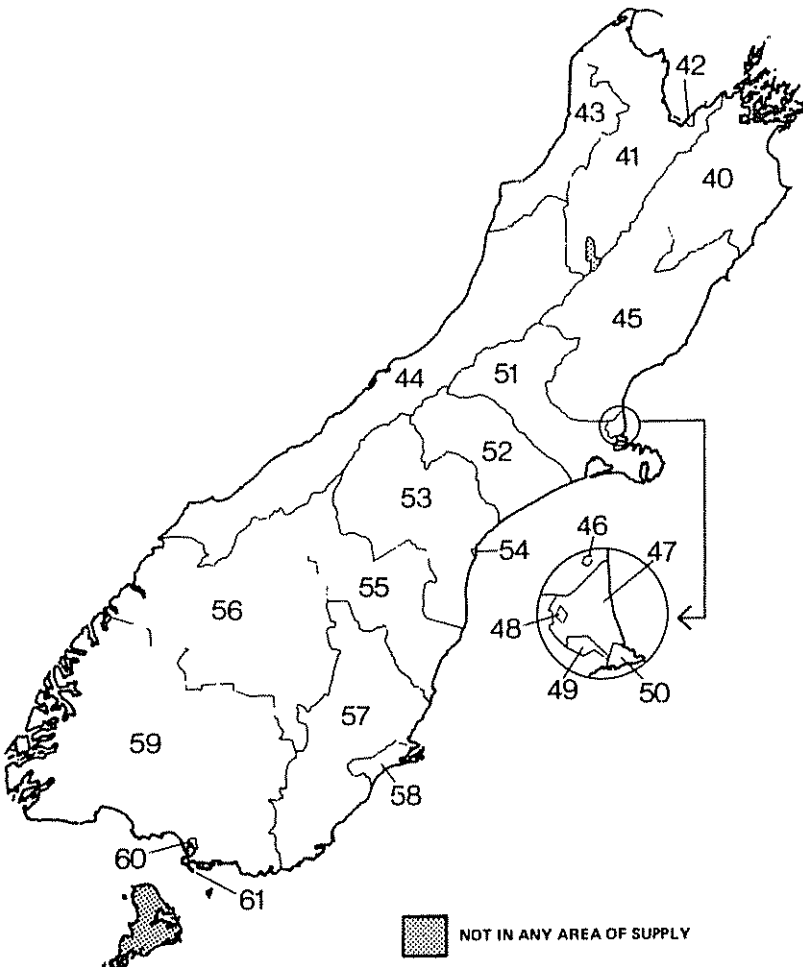
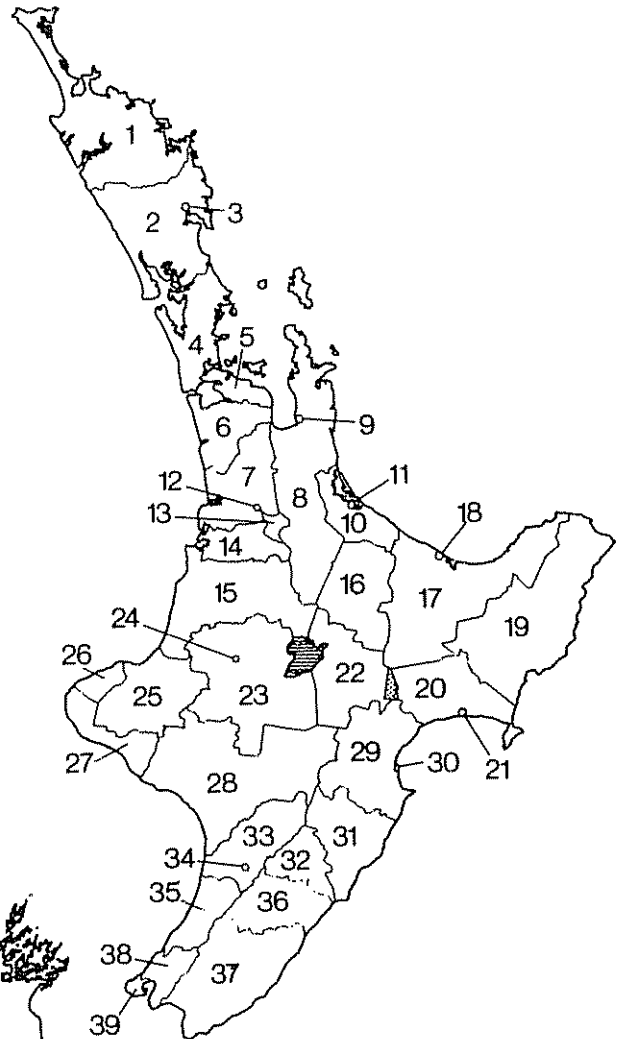
	Electricity Consumed	Income	Income per kWh sold	Consumers	Average kWh per Consumer
	kWh	\$	c	Number	kWh
Domestic	8 997 923 576	435,092,178	4.835	1 188 692	7 570
Commercial	4 223 666 668	332,139,783	7.864	151 265	27 922
Public Lighting	134 685 723	7,746,285	5.751	1 730	77 853
Farming	612 882 227	46,882,778	7.650	84 370	7 264
Railway Traction	26 363 269	2,064,238	7.830	13	2 027 944
Urban Traction	3 521 854	200,186	5.684	6	586 976
Coal Mining	39 343 052	2,512,194	6.385	76	517 672
Other Mining industries	103 168 288	7,237,236	7.015	389	265 214
Iron and steel basic; Non-ferrous metals	4 552 495 341	93,004,508	2.043	143	31 835 632
Manufacture of mechanical and electrical equipment	357 485 919	24,206,535	6.771	1 913	186 872
Manufacture of chemicals and chemical products	266 925 489	14,497,979	5.431	332	803 992
Manufacture of glass, pottery, china and earthenware and building materials	280 610 395	12,669,255	4.515	559	501 986
Food, beverage, and tobacco industries	1 468 622 592	89,341,399	6.083	2 548	576 382
Manufacture of textiles, leather and rubber products, and wearing apparel	249 045 568	16,986,631	6.821	1 013	245 850
Wood, paper, and pulp products	2 496 537 236	93,706,435	3.753	1 515	1 647 879
Other manufacturing industries not elsewhere classified	127 522 115	9,091,302	7.129	937	136 096
Construction works	53 008 555	3,068,224	5.788	1 229	43 131
TOTAL RETAIL SALES	23 993 807 867	1,190,447,146	4.961	1 436 730	16 700

FIGURE 1: SUPPLY AUTHORITY LICENSED AREAS AS AT 31 MARCH 1985

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	1 653
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	3 364
Napier City Council	30	8
New Plymouth City Council	26	691
North Auckland EPB	2	5 725
Palmerston North City Council	34	19
Porirua City Council	19	8 284
Rotorua AEA	18	3 870
Taranaki EPB	25	4 359
Taranaki EPB	36	2 850
Taurarua Borough Council	24	20
Taupo Borough Council	22	3 455
Tauranga City Council	11	5
Tauranga EPB	10	1 728
Ta Awamutu EPB	14	1 424
Thames-Coromandel District Council	9	11
Thames Valley EPB	8	7 158
Waikarepa EPB	37	5 753
Waioa Borough Council	21	6
Waioa EPB	20	3 606
Waitemata EPB	4	2 890
Waitemoa EPB	15	6 221
Wanganui-Rangitikei EPB	28	9 472
Wellington MED	39	206
Whakatana District Council	18	6
Whangarei City Council	3	13

North Island Area of Supply: 115 052



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
Waitaki EPB	55	7 741
West Coast EPB	44	18 017

South Island Area of Supply: 151 354

New Zealand Area of Supply: 266 406

TABLE VIII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1985

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 (Retail Sales)	Per kWh Sold (Domestic Supply)	Per kWh Sold (Non-domestic Supply)	Per Head of Population	Per kWh Retail Consumer	Per kWh Gen-erated	Per kWh Pur-chased	Per kWh Sold	Per kWh Sold (Transmission and Distribution)	Per kWh Sold (Total)	Per kWh Sold (Administration and General)	Per kWh Sold (Interest on Loans)	Per kWh Sold (Depreciation)	c	%	%				
1	Electricity Division ¹	5.307	6.249	5.472	7.085	354.11	771.13	1.853	2.926	1.989	0.168	0.170	0.262	0.222	0.039	2.681	75.17	23.97	...		
Government Department Southland ²		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Power Boards and Related Authorities																					
1	Ashburton	6.016	5.949	4.915	6.920	341.28	750.25	3.853	3.287	3.853	0.570	0.677	0.410	0.258	0.483	5.681	50.23	8.67	733.48		
2	Auckland	5.265	5.497	4.609	5.932	504.42	1,045.91	3.910	3.786	3.910	0.421	0.562	0.220	0.097	0.227	5.881	17.04	6.83	120.83		
3	Bay of Islands	6.338	6.338	5.253	7.564	251.28	641.35	3.979	3.638	3.979	0.663	0.822	0.547	0.398	0.508	6.254	43.13	6.36	393.33		
4	Bay of Plenty	4.789	4.789	5.322	4.629	425.42	896.34	3.646	3.342	3.646	0.285	0.437	0.258	0.081	0.181	4.592	72.27	6.18	1,725.41		
5	Buller	4.789	4.789	5.322	4.629	425.42	896.34	3.646	3.342	3.646	0.285	0.437	0.258	0.081	0.181	4.592	72.27	6.18	1,725.41		
6	Cambridge	5.949	5.949	4.915	6.920	341.28	750.25	3.853	3.287	3.853	0.570	0.677	0.410	0.258	0.483	5.681	50.23	8.67	733.48		
7	Central Canterbury	6.272	6.272	5.338	7.517	276.92	582.78	3.783	3.492	3.783	0.600	0.757	0.522	0.200	0.311	5.947	33.26	6.71	176.83		
8	Central Hawke's Bay	6.021	6.021	5.294	7.177	338.08	642.48	3.926	3.630	3.926	0.475	0.584	0.506	0.199	0.358	5.643	22.64	7.93	177.92		
9	Central Waikato	6.597	6.597	6.234	7.005	263.45	689.94	4.073	3.830	4.073	0.528	0.646	0.511	0.202	0.412	5.843	24.58	12.23	191.60		
10	Dannevirke	6.313	6.313	5.081	7.940	339.70	659.31	3.926	3.659	3.926	0.424	0.585	0.594	0.120	0.441	5.646	12.71	10.93	111.18		
11	Edmont	5.440	5.440	4.862	5.961	442.38	886.23	3.595	3.595	3.595	0.480	0.608	0.524	0.025	0.211	7.468	88.75	(34.90)	6,886.01		
12	Franklin	6.272	6.272	5.338	7.517	276.92	582.78	3.783	3.492	3.783	0.600	0.757	0.522	0.200	0.311	5.947	33.26	6.71	176.83		
13	Hawke's Bay	6.420	6.420	4.579	7.683	316.69	664.37	3.547	3.573	3.547	0.804	0.990	0.447	0.266	0.519	6.757	80.11	(2.44)	613.93		
14	Horowhenua	6.994	6.994	5.875	8.995	308.18	582.11	3.949	3.589	3.949	0.802	0.996	0.560	0.158	0.445	6.515	19.53	8.34	134.28		
15	Hutt Valley	6.304	6.304	4.669	8.671	282.63	756.43	4.243	4.049	4.243	0.694	0.897	0.554	0.150	0.230	6.073	22.39	7.55	151.60		
16	King Country	4.132	4.092	3.896	4.139	615.33	1,114.23	0.994	3.564	3.416	0.214	0.317	0.148	0.014	0.093	3.989	35.51	5.07	135.24		
17	Manawatu-Oroua	5.300	6.113	4.538	5.820	337.33	778.88	3.820	3.820	3.820	0.358	0.434	0.307	0.032	0.227	4.934	8.10	9.64	63.57		
18	Marlborough	6.380	6.385	5.453	7.683	310.67	664.37	3.547	3.573	3.547	0.804	0.990	0.447	0.266	0.519	6.757	80.11	(2.44)	613.93		
19	North Auckland	5.280	5.603	5.441	5.722	336.37	700.07	3.589	3.589	3.589	0.246	0.472	0.336	0.234	0.346	5.174	30.70	5.87	527.94		
20	North Canterbury	6.096	6.342	5.715	6.980	352.39	707.91	3.474	3.474	3.474	0.598	0.767	0.394	0.314	0.406	5.577	37.24	9.45	376.06		
21	Otago	6.376	6.378	5.688	7.352	384.65	656.19	7.184	3.845	4.947	0.871	1.030	0.550	0.221	0.320	7.068	85.85	(7.00)	2,526.01		
22	Onge Central	5.161	5.165	4.586	5.820	393.60	677.92	1.433	3.888	2.709	0.446	0.525	0.488	0.220	0.301	4.242	50.87	16.99	679.94		
23	Poverty Bay	6.938	6.938	5.723	8.489	305.53	671.22	3.825	3.825	3.825	0.950	1.179	0.596	0.225	0.346	6.460	30.01	8.23	201.05		
24	Rotorua	6.203	6.205	4.934	7.727	258.59	665.11	2.853	3.938	4.010	0.542	0.686	0.467	0.058	0.217	5.439	64.77	18.15	1,673.62		
25	South Canterbury	5.315	6.176	4.916	7.784	381.74	822.88	3.322	3.489	3.657	0.465	0.568	0.361	0.078	0.242	4.901	16.04	9.27	159.48		
26	Tairāhaki	6.017	6.017	4.506	7.346	364.77	751.18	1.718	3.603	3.672	0.473	0.595	0.410	0.135	0.489	5.300	11.71	12.46	134.64		
27	Tairāhaki	7.695	7.695	6.248	9.225	449.62	766.61	3.710	3.710	3.710	0.542	0.806	0.723	0.293	0.521	6.503	26.19	14.81	285.36		
28	Tasman	5.574	6.370	5.000	7.901	331.49	728.73	3.540	3.540	3.540	0.417	0.526	0.408	0.213	0.354	5.210	29.62	7.05	305.88		
29	Tairāhaki	6.256	6.546	5.555	8.117	268.40	584.00	3.322	3.704	3.812	0.394	0.528	0.330	0.212	0.334	5.344	69.14	16.25	1,460.64		
30	Te Awamutu	6.017	6.017	5.016	7.358	276.57	569.05	3.611	3.611	3.611	0.485	0.663	0.428	0.078	0.360	5.342	...	13.84	...		
31	Thames Valley	4.897	4.918	5.698	4.691	566.18	1,088.60	3.486	3.486	3.486	0.341	0.429	0.210	0.113	0.159	4.506	35.40	8.96	225.55		
32	Waikato	6.898	6.898	6.056	8.196	354.83	728.52	3.145	3.753	4.004	0.591	0.883	0.560	0.507	0.548	6.502	65.03	6.80	514.30		
33	Waikato	5.717	6.774	5.813	7.483	410.17	724.56	3.836	3.836	3.998	0.437	0.572	0.451	0.128	0.234	5.383	86.33	7.47	5,720.80		
34	Waikato	6.365	6.365	5.173	7.599	402.30	789.67	3.700	3.473	3.700	0.529	0.758	0.506	0.102	0.498	5.564	10.31	13.84	101.78		
35	Waitemata	5.917	5.917	4.928	7.959	210.78	539.45	68.807	3.999	3.999	0.450	0.697	0.397	0.239	0.304	5.933	39.44	4.07	195.34		
36	Waitemata	6.611	6.611	5.505	7.766	375.85	682.05	3.550	3.901	4.257	0.623	0.879	0.517	0.070	0.606	6.328	41.09	5.46	580.06		
37	Wairarapa	5.826	4.997	6.755	289.86	617.57	799.00	3.389	3.792	4.099	0.660	0.812	0.458	0.099	0.302	5.769	17.90	5.22	97.66		
38	West Coast	7.648	7.665	5.552	9.355	346.77	799.00	3.630	3.630	3.911	0.805	1.219	0.671	0.333	0.628	6.762	52.00	16.68	1,139.02		
		5.601	5.693	5.028	6.246	325.68	751.59	4.096	3.712	3.930	0.458	0.611	0.352	0.142	0.283	5.317	43.69	7.66	456.18		

TABLE VIII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1985—continued

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 (Retail Sales)	Per kWh (Domestic Supply)*	Per kWh Sold (Non-domestic Supply)*	Per kWh Head of Population ²	Per Retail Consumer	Per kWh Generated	Per kWh Purchased	Per kWh Sold	Per kWh Sold (Transmission and Distribution)	Per kWh Sold (Total)	Per kWh Sold (Administration and General)	Per kWh Sold (Interest on Loans)	Per kWh Sold (Depreciation)	%				
<i>Territorial Authorities</i>																				
1	Bluff	5.608	5.608	5.135	5.967	354.57	810.98	...	3.891	4.257	0.824	0.905	0.422	0.006	0.134	5.724	1.61	2.30	4.00	
2	Christchurch	5.335	5.335	4.050	7.431	297.35	679.62	...	3.913	4.100	0.329	0.455	0.281	0.043	0.240	5.119	9.39	5.26	45.37	
3	Dunedin	5.060	5.060	4.161	6.269	325.43	731.93	3.002	3.284	3.430	0.582	0.682	0.418	0.016	0.222	4.768	3.05	9.58	25.19	
4	Hamilton	7.787	7.787	5.924	8.947	416.96	806.64	...	4.280	4.548	1.287	1.651	1.011	...	...	7.209	...	12.95	...
5	Heathcote	4.970	4.970	4.562	5.349	362.43	984.79	...	3.592	3.739	0.117	0.155	0.351	0.056	...	4.301	8.98	14.07	80.01	
6	Invercargill	5.949	6.065	4.941	7.646	332.77	807.86	...	3.791	3.939	0.541	0.640	0.249	0.186	0.204	5.218	40.02	12.92	234.33	
7	Kaipoi	5.649	5.649	4.921	7.024	246.21	613.56	...	3.889	4.021	0.031	0.328	0.764	0.064	0.039	5.215	8.47	10.53	51.72	
8	Lytelton	6.583	6.583	4.641	9.509	390.53	794.96	...	3.811	4.099	1.193	1.414	0.698	...	...	6.34	...	6.34	...
9	Napier	7.046	7.046	5.160	8.487	423.45	900.40	...	3.962	4.121	0.608	1.224	0.749	...	...	6.907	37.07	8.72	437.36
10	Nelson	6.572	6.572	3.936	8.871	403.33	907.42	...	3.671	3.859	0.629	0.875	0.468	0.245	0.192	5.640	39.37	14.47	286.24	
11	New Plymouth	6.187	6.187	4.658	7.732	318.45	709.58	1.297	3.698	3.741	0.528	0.757	0.395	0.030	0.302	5.225	7.46	14.95	40.18	
12	Palmerston North	6.381	6.381	4.432	9.072	257.92	621.65	381.634	4.041	4.355	0.921	1.050	0.599	0.092	0.156	6.253	20.05	3.01	78.02	
13	Riccarton	6.349	6.349	4.002	6.892	457.24	846.44	...	4.011	4.259	0.232	0.401	0.373	0.197	0.174	5.606	35.29	12.15	326.89	
14	Taumarunui	5.882	5.882	4.287	7.843	279.09	664.11	1.381	4.778	4.064	0.895	1.048	0.838	...	...	5.950	10.50	6.86	92.92
15	Taupo	6.347	6.347	5.249	7.171	400.86	826.78	5.372	3.760	4.326	0.511	0.753	0.561	0.174	0.330	6.143	61.47	5.90	926.47	
16	Tauranga	6.778	6.778	4.358	7.953	599.85	902.84	1.257	4.461	4.622	0.276	0.463	0.626	0.031	...	5.743	3.43	17.59	40.11	
17	Thames-Coromandel	5.888	5.888	5.331	6.468	276.31	579.05	...	4.169	4.359	0.604	0.748	0.605	...	0.095	5.808	...	2.25	...	
18	Timaru	5.651	5.651	4.620	6.788	351.84	744.63	...	3.593	3.747	0.367	0.515	0.331	0.207	0.215	5.015	25.44	11.28	208.97	
19	Waikato	6.675	6.675	5.333	9.373	241.72	660.67	...	3.950	4.283	0.533	0.681	0.859	0.028	0.242	6.093	5.66	11.96	34.68	
20	Wellington	6.095	6.095	3.928	8.168	405.97	860.00	...	4.061	4.246	0.450	0.652	0.363	0.060	0.138	5.459	10.47	11.28	88.44	
21	Whakatane	6.886	6.886	5.144	9.706	252.62	661.34	...	4.012	4.281	0.524	0.628	0.871	...	0.333	6.114	0.02	14.01	0.11	
22	Whangarei	6.493	6.493	4.896	8.063	301.51	700.65	...	4.051	4.254	0.354	0.423	0.496	...	0.068	5.240	...	19.36	...	
AVERAGES FOR NEW ZEALAND		5.787	5.792	4.292	7.612	333.63	745.55	3.084	3.851	4.014	0.489	0.649	0.404	0.066	0.202	5.337	14.67	9.43	98.33	
AVERAGES FOR NEW ZEALAND		...	4.961	4.835	5.037	362.66	828.58	1.927	2.717*	2.151*	0.540*	0.666*	0.553*	0.321*	0.250*	3.941*	64.96	22.95	...	
1984	...	4.809	4.695	4.882	340.01	781.16	1.658	1.942*	1.862*	0.528*	0.653*	0.558*	0.283*	0.229*	3.585*	68.16	26.79	...		
1983	...	4.879	4.690	5.005	323.49	746.13	1.643	1.831*	1.831*	0.585*	0.712*	0.569*	0.352*	0.222*	3.686*	70.90	26.09	...		
1982	...	4.306	4.137	4.425	272.10	628.41	1.403	1.648*	1.603*	0.529*	0.643*	0.530*	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*	0.434*	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	1.588*	1.290*	0.359*	0.447*	0.380*	0.287*	0.176*	2.580*	73.25	29.00	...		
1979	...	2.558	2.456	2.636	154.63	365.44	1.085	1.878*	1.241*	0.310*	0.385*	0.326*	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*	0.277*	0.197*	0.143*	2.102*	73.83	7.82	...		

NOTES: ¹Includes Southland Electric Power Supply. ²Shown separately and included with the Electricity Division. ³As for note 3, Table VI, and as a result the operations of the Tauranga Joint Generation Committee have been included with the Tauranga Electric Power Board. ⁴Cost of electricity purchased from private plants. ⁵Retail sales. ⁶Also shown on Table VII. ⁷Net costs divided by kWh sold retail.

TABLE IX—STATISTICS OF POPULATION¹, CONSUMERS, LICENSED AREA, STAFF EMPLOYED FOR THE YEAR ENDED 31 MARCH 1985

No.	Supply Authorities	Licensed Area (km ²)	Population in Area of Supply	Total Number of Retail Consumers ²	Total Number of Domestic Consumers ³	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)	Ratio of Domestic to Non-domestic Consumers (percent)	Total Retail Consumers per Circuit Kilometre of Line	Staff Employed	No.
(Electricity Divisions ¹)													
Government Department													
(Southland ¹)													
Power Boards and Related Authorities													
1	Ashburton	6 664	24 900	13 123	9 513	3.74	1.97	52.70	38.20	263.52	3.76	136	1
2	Auckland	935	522 600	210 190	182 941	558.94	224.81	40.22	35.01	671.37	28.35	1 058	2
3	Bay of Islands	6 830	46 800	18 336	14 144	6.85	2.68	39.18	30.22	337.40	4.37	135	3
4	Bay of Plenty	8 389	39 700	16 301	12 246	4.73	1.94	41.06	30.85	302.00	7.85	153	4
5	Buller	4 645	8 430	4 001	3 206	1.81	0.86	47.46	38.03	403.27	5.68	33	5
6	Cambridge	440	14 500	6 596	4 893	32.95	14.99	45.49	33.74	287.32	6.42	34	6
7	Central Canterbury	7 993	46 100	22 233	17 417	5.77	2.78	48.23	37.78	361.65	6.22	200	7
8	Central Hawke's Bay	3 367	13 050	6 867	5 167	3.88	2.04	52.62	39.59	303.94	3.17	37	8
9	Central Waikato	3 074	113 300	43 288	36 582	36.85	14.08	38.21	32.29	545.51	8.89	262	9
10	Dannevirke	2 103	12 150	6 260	4 492	5.78	2.98	51.52	36.97	254.07	6.09	49	10
11	Egmont	1 553	24 000	11 980	8 688	15.45	7.71	49.92	36.20	263.91	6.59	98	11
12	Franklin	2 220	47 000	22 333	15 585	21.17	10.06	47.52	33.16	230.96	7.88	129	12
13	Hawke's Bay	4 967	106 700	36 126	26 126	21.48	8.48	39.49	33.86	600.70	9.23	321	13
14	Horowhenua	1 628	55 300	29 277	24 904	33.97	17.98	46.77	45.03	569.49	17.16	177	14
15	Hutt Valley	1 204	206 200	77 043	69 748	171.22	63.97	37.36	32.83	956.11	34.86	516	15
16	King Country	7 384	16 250	8 974	6 838	2.20	1.22	55.22	42.08	320.13	3.78	61	16
17	Manawatu-Oroua	3 364	52 100	22 564	17 540	15.49	6.71	43.31	33.67	349.12	8.62	153	17
18	Maniborough	10 615	34 100	15 947	12 693	3.21	1.50	46.77	37.22	390.07	5.91	150	18
19	North Auckland	5 725	57 000	27 379	21 466	9.96	4.78	48.03	37.66	363.03	5.88	214	19
20	North Canterbury	13 001	33 900	16 875	12 804	2.61	1.30	49.78	37.77	314.52	3.90	153	20
21	Otago	12 349	25 400	14 889	10 847	2.06	1.21	58.62	42.70	268.36	3.24	129	21
22	Otago Central	18 750	25 000	13 354	10 643	1.23	0.71	58.06	46.27	392.59	5.49	138	22
23	Poverty Bay	8 284	46 900	21 348	16 136	5.66	2.58	45.52	34.41	309.59	7.63	163	23
24	Rotorua	3 870	62 700	24 377	20 035	16.20	6.30	36.88	31.95	461.42	13.34	135	24
25	South Canterbury	10 585	38 100	17 675	15 266	3.60	1.67	46.39	40.07	633.71	5.34	167	25
26	Taranaki	4 359	28 600	13 888	10 068	6.56	3.19	48.56	35.20	263.56	5.57	107	26
27	Taranaki	2 850	7 930	4 651	2 840	2.78	1.63	58.65	35.81	156.82	3.34	43	27
28	Tasman	10 799	51 000	23 199	18 696	4.72	2.15	45.49	36.66	415.19	7.25	205	28
29	Tauranga	1 728	79 600	36 584	29 498	46.06	21.17	45.96	37.06	416.29	9.98	236	29
30	Te Awamutu	1 424	21 400	10 401	7 077	15.02	7.30	48.60	33.07	212.91	8.17	45	30
31	Thames Valley	7 158	91 500	47 589	36 898	12.78	6.65	52.01	40.33	345.13	6.81	304	31
32	Waikato	5 753	36 700	17 875	13 863	6.38	3.11	48.71	37.77	345.54	6.00	158	32
33	Waikato	3 506	5 870	3 323	2 266	1.67	0.95	56.61	38.60	214.38	3.17	35	33
34	Waikato	7 741	21 900	11 157	8 749	1.44	0.83	50.95	39.95	363.33	6.07	99	34
35	Waitemata	2 890	324 400	126 756	111 776	112.25	43.86	39.07	34.46	746.17	14.40	601	35
36	Waitemata	6 221	19 900	10 966	7 208	3.20	1.76	55.11	36.22	191.80	3.86	87	36
37	Wairarapa	9 472	68 200	32 010	24 879	7.20	3.36	46.94	36.48	348.89	7.58	199	37
38	West Coast	18 017	25 200	10 937	8 480	1.40	0.61	43.40	33.65	345.14	5.86	165	38
		231 858	2 452 400	1 062 686	872 218	10.58	4.58	43.33	35.57	457.93	9.01	7 085	

TABLE IX—STATISTICS OF POPULATION¹, CONSUMERS, LICENSED AREA, STAFF EMPLOYED FOR THE YEAR ENDED 31 MARCH 1985—continued

No.	Supply Authorities	Licensed Area (km ²)	Population in Area of Supply	Total Number of Retail Consumers ²	Total Number of Domestic Consumers ³	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)	Ratio of Domestic to Non-domestic Consumers (percent)	Total Retail Consumers per Circuit Kilometre of Line	Staff Employed	No.
<i>Territorial Authorities</i>													
1	Bluff	6	2 580	1 128	930	398.46	174.21	43.72	36.05	469.70	28.91		1
2	Christchurch	256	242 300	106 012	94 257	946.48	414.11	43.75	38.90	801.85	35.42		11
3	Dunedin	1 101	107 800	47 930	41 381	97.91	43.53	44.46	38.39	631.87	26.03		565
4	Hamilton	14	23 000	11 889	8 867	1 644.03	849.82	51.69	38.55	293.41	40.32		326
5	Heathcote	16	6 850	2 521	2 368	428.13	157.56	36.80	34.57	1 547.71	32.47		112
6	Invercargill	27	38 600	15 900	14 030	1 450.36	597.39	41.19	36.35	750.27	33.46		12
7	Kanapoi	4	4 660	1 870	1 689	1 201.03	481.96	40.13	36.24	933.15	41.43		84
8	Lytelton	10	2 630	1 292	1 131	252.88	124.23	49.13	43.60	702.48	27.14		9
9	Napier	8	11 950	5 620	4 436	1 482.08	697.01	47.03	37.12	374.66	36.53		13
10	Nelson	21	17 300	7 645	6 118	833.74	370.58	44.45	35.57	400.65	41.94		57
11	New Plymouth	591	51 800	23 247	19 098	87.72	39.37	44.88	36.87	460.30	19.59		63
12	Palmerston North	19	42 700	17 716	15 018	2 274.91	943.85	41.49	35.17	556.63	46.73		159
13	Riccarton	3	6 320	3 414	2 861	2 218.32	1 198.32	54.02	45.27	517.36	46.30		87
14	Taumarunui	20	4 150	1 744	1 322	202.50	87.20	42.02	31.86	313.27	37.82		28
15	Taupo	3 455	18 600	9 018	7 445	5.38	2.61	48.48	40.63	473.30	10.73		13
16	Tauranga	5	5 760	3 827	2 478	1 152.00	765.40	66.44	43.02	183.69	26.56		79
17	Thames-Coromandel	11	6 220	2 968	2 470	550.44	262.65	47.72	39.71	495.98	24.45		28
18	Timaru	11	18 150	8 576	7 206	1 648.95	779.14	47.25	39.70	525.99	40.74		15
19	Wairoa	6	5 420	1 983	1 709	837.07	306.25	36.59	31.53	623.72	24.05		56
20	Wellington	206	114 100	53 862	46 406	554.15	261.59	47.21	40.67	622.40	33.67		16
21	Whakatane	6	9 930	3 793	3 169	1 633.22	623.85	38.20	31.91	507.85	52.81		311
22	Whangarei	13	18 400	7 918	6 311	1 415.38	609.08	43.03	34.30	392.72	48.37		18
GRAND TOTALS		5 809	759 500	339 873	290 700	130.75	58.51	44.75	38.28	591.18	30.70		2 090
		266 407	3 282 500	1 436 730	1 188 692	12.32	5.39	43.77	36.21	479.24	9.30		15 592

Total population as at 31 March 1985 was 3 291 300. Mean population as at 31 March 1985 was 3 265 300. Ratio of population in area of supply to total population was 99.7 percent.

NOTES: ¹Includes Southland Electric Power Supply. ²Shown separately and included with the Electricity Division. ³For detailed analysis see Table VI. ⁴Final. Individual populations may not sum to the subtotals or the total shown due to Department of Statistics rounding rules, i.e. less than 10 000 to nearest 10, 10 000 but less than 20 000 to nearest 50, 20 000 and greater to nearest 100.

TABLE X—STATISTICS RELATING TO ELECTRICAL REGISTRATION BOARD, YEAR ENDED 31 MARCH 1985

(Figures shown in parenthesis are for previous year)

1. Number of board meetings: 11 (13)

	During the year			Current Registrations	Removed from Register
	New	Re-regis- tration	Total		
2. Registrations					
Inspectors	38 (36)	- -	38 (36)	637 (621)	22 (56)
Electrical technicians	18 (25)	12 (9)	30 (34)	2 118 (2 096)	8 (10)
Electricians	655 (648)	141 (111)	796 (759)	15 219 (14 459)	36 (41)
Electrical mechanics	30 (32)	18 (6)	48 (38)	548 (536)	36 (21)
Radio-Electronics servicemen	180 (184)	56 (32)	236 (216)	4 270 (4 039)	5 (10)
Electrical appliance servicemen	30 (155)	- -	30 (155)	675 (646)	1 (3)
Restricted certificate	484 (889)	- -	484 (889)	3 189 (2 722)	17 (40)

Regular

Provisional licences	223 (216)
Permit to assist	253 (216)
Application for ruling on experience as electrical technician	88 (77)
Application for ruling on experience others ¹	671 (736)

¹Includes 49 (83) from overseas and 137 (218) claiming credit for unauthorised experience in New Zealand

3. Applications for electrical technicians declined: 70 (52)

4. Breach of Act and Defective Work

Defective work reports	4 (2)
Breach of Act	4 (17)
Prosecutions authorised	1 (13)
Prosecutions completed	13 (10)
Demotions	- (1)

5. Examinations:

Two examinations were held as follows:

Practical—28 April, 13 October

Written—27 October a.m. and p.m.

	Papers sat	Passed	Pass Percentage	Highest Marks
Electricians and electrical fitters theory paper	986 (818)	662 (508)	67 (62)	94 (95)
Electricians and electrical fitters regulations paper	911 (745)	661 (591)	73 (79)	52/47 (52/46)
Electricians and electrical fitters (two practical papers)	157 (270)	110 (204)	70 (76)	96 (95)
Radio-electronics servicemen's wiring paper	220 (226)	189 (186)	86 (82)	97 (97)
Restricted certificate—written paper	350 (318)	245 (204)	70 (64)	98 (91)
Radio-electronics servicemen's and restricted certificate (two practical papers)	186 (258)	158 (214)	85 (83)	95 (96)
Candidates given special examinations	145 (228)			
Assessments Electricians and Fitters	592 (402)			
Assessments servicing	370 (305)			

Appendix 1
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.
SECTION B shows combined results of the operations of the Electricity Division and the Electrical Supply Authorities.
The following is a description of some of the terms used supplementing the notes included at the foot of each table:

- AVAILABILITY FACTOR**—The time when a generating unit is available for service (i.e. total time less planned and forced outage time), expressed as a percentage of total time.
- 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.
- CAPACITY** of a power station, in this publication, is the "in-situ maximum" rating, to take into account any permanent up or down rating. Hydro, Thermal and Geo-thermal stations are shown as "kilowatts sent out", gas turbines are base output.
- 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.
- 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.
- ELECTRICAL SUPPLY AUTHORITY** is one of those bodies which purchase electricity in bulk for distribution to its consumers. (see "Power Boards and Related Authorities" and "Territorial Authorities").
- ELECTRICITY DIVISION** is a division of the Ministry of Energy. The 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. 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.
- 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 = 1 kilowatt (kW)
1,000 kilowatts = 1 Megawatt (1 MW)
1,000 watts (1kW) for one hour = 1 kilowatt-hour (1 kWh)
1,000,000 kWh = 1 Gigawatt-hour (1 GWh)
- 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.
- GENERATION** is published as gross for hydro stations and net for thermal stations (see below), throughout these statistics.
- GOVERNMENT DEPARTMENT** is the Southland Electric Power Supply (part of the Electricity Division of the Ministry of Energy). 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.
- GROSS HYDRO** is the total output of a hydro power station metered at the generator terminals.
- INDUSTRIAL**—see Table VI (Part III). This refers to all consumption for mining, quarrying, smelting, manufacturing and construction, i.e. coal mining to constructions works inclusive.
- INTERNAL USE** shown in section A (table i) refers to the electricity used by hydro stations, substations, synchronous condensers, depots etc. of the Electricity Division.
- 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.
- 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 an half-hour). Thus the national maximum load is the maximum energy generated or consumed in any half-hour in the year.
- LOAD FACTOR** is the ratio of average to maximum power usually expressed as a percentage.
- 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.
- NON-DOMESTIC**—see Table VI (Part III). This refers to all uses listed except Domestic, i.e. all consumption, commercial to construction works inclusive.
- 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 an half-hour) rather than as instantaneous values.
- POWER BOARDS AND RELATED AUTHORITIES** are Electric Power Boards (generally constituted under the Electric Power Boards Act 1925) an Energy Board, and an Area Electric Authority.
- PRIVATE PLANTS** refer to commercial and industrial organisations which 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.
- PURCHASED** refers to the electricity brought in bulk from the Electricity Division, a supply authority, or a private plant.
- RETAIL SALES** is the electricity sold by a supply authority (or the Electricity Division) to its consumers for the consumer's own use—(Domestic, Industrial etc.) see Table VI (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).
- TERRITORIAL AUTHORITIES** are sections of Borough, City, County, or District Councils.

APPENDIX 2

ANNUAL STATISTICS IN RELATION TO ELECTRIC POWER DEVELOPMENT AND OPERATION—YEAR ENDED 31 MARCH 1984

The following amendments are necessary:*Page 2, table (i) Summary of Operating Results*

Average load (kilowatts)	shows: 2 845 800	amend to: 2 848 600
Electricity unsold (in bulk and retail)	shows: 85 207 597	amend to: 86 847 597
Line losses (transmission and distribution)	shows: 1 722 870 677	amend to: 1 721 230 677
Working costs (including administration)—per kWh output	shows: 1.001	amend to: 1.018
—per kWh sold	shows: 1.079	amend to: 1.097
Total costs—per kWh output	shows: 2.465	amend to: 1.481
—per kWh sold	shows: 2.657	amend to: 2.675

Page 2, table (ii) Summarised Profit and Loss Account

Working costs	shows: 250,576,687	amend to: 251,540,984
Capital charges—Interest	shows: 240,097,044	amend to: 243,163,475
Capital charges	shows: 301,219,806	amend to: 304,286,237
Profit and Loss Account total	shows: 551,796,493	amend to: 555,827,221
Net increase in General Reserve Account	shows: 154,222,048	amend to: 150,191,320
Total costs	shows: 616,875,551	amend to: 620,906,279

Page 2, table (iii) Summarised Balance Sheet

Works under construction	shows: 1,018,906,526	amend to: 1,017,000,493
Capital outlay	shows: 3,831,081,101	amend to: 3,829,175,068
Sundry debtors, etc. less sundry creditors	shows: 143,799,267	amend to: 144,205,300

Page 2, table (iv) Analysis of Operating Costs

	Working costs (a)	Administration costs (b)	Total costs (d)	Total cost per kWh output sold	
Hydro electric stations		16,072,856	220,235,232	1.138	
Thermal stations		25,084,191	277,404,817	4.920	
Generated and purchased		41,170,624	498,332,475	1.992	2.147
Transmission lines		6,490,060	53,657,561	0.214	0.231
Substations		7,919,516	47,076,428	0.188	0.203
Communications		1,903,242	7,546,002	0.030	0.033
Retail distribution		2,614,048	7,283,701	0.029	0.031
System operating and testing		2,432,998	7,010,112	0.028	0.030
TOTALS:		62,530,488	620,906,276	2.481	2.675
Administration	62,530,488				
	SUMMARY				
	254,607,415	Administration	62,530,488	0.250	0.269
		Total costs	620,906,927	2.481	2.675

Page 4, table (v) Analysis of Capital Outlay—Works under construction

	Generating Plant and Machinery	Total	Grand Total
Hydro electric stations— Upper Waitaki	31,995,609	122,433,547	
	62,963,948		452,811,991
Thermal stations— Huntly	276,330,008	276,330,008	
Ohaaki	3,302,857	34,429,484	
Other stations	16,698,938	15,313,570	
	296,331,803		326,073,062
Substations— 110 kV		21,396,063	
220 kV		68,367,668	
			91,487,088
Total works under construction			1,018,906,526
TOTAL CAPITAL OUTLAY			3,829,175,068

Page 5, Section B: Condensed Statistics Detailed in Subsequent Tables

Item 9 Capital expenditure less depreciation:	shows: 4,493.2	amend to: 4,491.3
Item 17 Other supply expenditure:	shows: 392.8	amend to: 398.8
Item 19 Gross expenditure:	shows: 865.6	amend to: 869.7
Item 20 Net Results Surplus:	shows: 322.2	amend to: 318.2
Item 24 Gross expenditure per kWh sold retail:	shows: 3.759	amend to: 3.777

Page 8 & 9, Table I (Part II) Financial Results of Generation, Distribution, and Operation Expenditure—

	Administration and General	Total Supply Expenditure	Gross Expenditure	Net Results Surplus
Electricity Division	61,639,212	555,827,221	555,827,221	215,270,378
Totals	128,559,112	1,490,539,407	534,665,939	318,164,407
NET EXPENDITURE	128,559,112	825,535,786	869,662,318	318,164,407

Page 10 & 11, Table II (Part I) Analysis of Liabilities and Reserves

	Sundry Creditors	Total
Electricity Division	24,207,114	3,586,587,995
GRAND TOTALS	212,703,840	5,248,656,401

Page 12 & 13, Table II (Part II) Analysis of Assets

	Capital Expenditure less Depreciation	Stocks and Materials (non-loan)	Total
Electricity Division	3,277,476,921	136,183,276	3,586,587,995
GRAND TOTALS	4,491,257,814	215,168,851	5,248,656,401

Page 14 & 15, Table III Analysis of Capital Expenditure

	Capital Expenditure During Year				Source of Capital Expenditure Fund	
	Generation	Transmission and Distribution	Other	Total	From income for current year	Total
Electricity Division	213,340,959	67,151,415	3,724,348	284,216,722	79,099,316	284,216,722
GRAND TOTALS	267,384,332	169,330,918	50,110,037	486,825,287	138,134,436	486,825,287

Page 18, Table V—Statistics of Generating Plant etc.—Power Boards and Related Authorities—Wairarapa—Voltages, Transmission shows 3 300, should be 33 000. Distribution voltages, add 3 300.

Page 28 & 29, Table VIII, Averages Derived from Previous Tables

	Per kWh sold		Loan liability percent of Depreciated Capital Expenditure	Surplus percent of Gross Income
	Admin and General	Total Expenditure		
Electricity Division	0.266	2.394	78.62	27.92
AVERAGES FOR NEW ZEALAND	0.558	3.585	68.16	26.79

Page 34, Appendix 2—Errata 1983 Statistics

In making corrections to the 1983 Annual Statistics the following errors occurred.

Under heading "Page 5, Section B: Condensed Statistics Detailed in Subsequent Tables" Item 24 Gross expenditure per kWh sold showed "shows 8.881". This should have been "shows 3.881".

Under heading "Page 23, Table VII (Part I) Analysis of Consumption of Electricity" Territorial Authorities—Subtotal—Income per kWh sold showed 4.311. This should have been 8.311.

APPENDIX 2—continued

ANNUAL STATISTICS IN RELATION TO ELECTRIC POWER DEVELOPMENT AND OPERATION—YEAR ENDED 31 MARCH 1984
 Receipt of final population figures after publication of the 1984 Annual Statistics make the following amendments necessary:

	Table VI Pg. 20 kWh Sold (Average) Per Head of Population	Table VIII Pg. 28 Per Head of Population	Table IX Pg. 30 Population in Area of Supply	Table IX Pg. 30 Population per Square Kilometre of Licensed Area	Table IX Pg. 30 Ratio of Total Retail Consumers to Population (percent)	Table IX Pg. 30 Ratio of Total Domestic Consumers to Population (percent)
	kWh	\$				
	‰	‰	‰	‰	‰	‰
	5 417	340 89	70 500	2 45	45 58	33 86
		378 91	24 900	3 74	52 02	38 04
	5 697	287 07	518 600	554 66	40 09	34 78
	5 915	233 35	45 600	6 68	39 17	30 14
	3 916	470 58	39 400	4 70	40 51	30 34
	10 284	414 55	8 400	1 81	47 01	37 57
	9 125					
		311 73	14 150	32 16	45 00	33 29
	5 386	467 73	45 900	5 74	47 36	37 27
	8 525	322 90	13 050	3 88	52 24	39 26
	5 390	254 92	111 700	36 33	37 91	32 01
	3 794	315 75	12 150	5 78	50 62	36 48
	5 203					
		389 53	24 100	15 52	49 34	35 64
	7 376	250 17	46 000	20 72	46 94	32 68
	4 239	406 87	105 600	21 26	39 45	33 41
	8 619	301 03	54 600	33 54	52 33	44 28
	4 478	272 04	206 200	171 22	36 93	33 46
	4 505					
		492 89	16 800	2 28	51 76	39 74
PLEASE REPLACE APPROPRIATE COLUMNS IN 1984 ISSUE WITH THESE STRIPS	13 945	337 22	51 600	15 25	42 84	33 23
	5 424	287 37	33 700	3 17	46 27	36 77
	4 649	302 84	55 900	9 76	47 49	37 19
	5 750	334 78	33 400	2 57	49 48	37 47
	5 219					
		382 21	25 500	2 06	57 75	42 28
	5 936	359 55	22 500	1 20	56 52	45 23
	6 844	285 21	46 700	5 64	44 96	34 13
	4 171	246 73	61 600	15 92	38 71	31 87
	4 055	344 81	38 800	3 67	45 61	39 55
	5 738					
		330 98	28 400	6 52	48 54	34 93
	5 696	407 73	7 910	2 78	59 38	40 53
	5 521	316 72	50 600	4 69	44 92	36 18
	5 190	249 62	77 700	44 97	45 18	36 61
	4 041	265 85	21 200	14 88	49 40	33 38
	4 425					
		518 00	90 600	12 66	51 41	39 72
	11 341	327 56	36 800	6 40	48 01	37 30
	4 995	364 43	5 870	1 67	55 84	38 14
	5 637	375 58	22 000	2 84	50 10	39 36
	5 960	204 11	317 400	109 83	39 64	35 10
	3 459					
		348 66	19 950	3 21	54 60	35 63
	5 418	274 76	68 300	7 21	47 94	37 84
	4 925	326 12	25 300	1 40	42 22	32 63
	4 319					
	‰	‰	‰	‰	‰	‰
	5 514	302 52	2 428 900	10 47	43 10	35 38
	‰	‰	‰	‰	‰	‰
	5 809	350 31	2 610	403 09	43 10	35 56
	5 501	309 79	242 000	945 31	43 19	38 41
	6 374	334 36	108 200	98 27	44 06	38 02
	5 229	405 98	23 000	1 644 03	54 56	40 80
	8 020	370 29	6 800	425 00	36 28	34 09
	5 462	322 07	38 500	1 446 50	41 08	36 26
	4 158	251 28	4 650	1 198 45	39 03	35 91
	5 939	376 62	2 630	252 88	48 67	42 55
	5 973	452 24	11 850	1 469 68	46 94	37 29
	5 983	382 98	17 050	826 47	42 80	35 31
	4 929	289 21	51 100	86 54	44 52	36 50
	4 121	246 23	42 300	2 253 60	41 57	35 38
	6 984	440 76	6 410	2 249 91	52 98	44 15
	4 701	264 56	4 100	202 69	42 39	32 02
	6 028	368 14	18 400	5 33	47 36	38 91
	8 311	510 82	5 840	1 259 71	64 91	41 87
	4 437	256 09	6 190	562 37	47 29	39 29
	6 082	336 72	18 200	1 653 49	46 93	39 38
	3 522	225 51	5 420	837 07	36 00	31 31
	6 629	377 66	114 500	571 93	47 01	40 66
	3 618	245 78	9 750	1 603 62	38 49	32 02
	4 531	287 05	17 950	1 380 77	43 34	34 55
	5 692	328 67	757 450	130 53	44 47	38 08
	‰	‰	‰	‰	‰	‰
		340 01	3 256 850	12 22	43 53	36 03