

ANNUAL STATISTICS IN RELATION TO

ELECTRIC POWER DEVELOPMENT AND OPERATION IN NEW ZEALAND

FOR THE YEAR ENDED 31 MARCH 1986

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

(i) SUMMARY OF OPERATING RESULTS FOR YEAR ENDED 31 MARCH 1986

Maximum load (kilowatts)	4 450 700	Revenue	cents
		Per kWh output	3.970
Average load (kilowatts)	2 969 000	Per kWh sold	4.249
Annual load factor (percent)	66.71	Working costs (including administration)—	
		Per kWh output	1.536
Electricity output (generated and purchased)	26 008 122 693	Per kWh sold	1.644
Electricity sold (in bulk and retail)	24 296 968 400	Capital charges—	
		Per kWh output	1.940
Electricity unsold (internal use)	86 737 964	Per kWh sold	2.077
Line losses (transmission and distribution)	kWh 1 624 416 329	percent 6.25	
		Total costs—	
		Per kWh output	3.476
		Per kWh sold	3.720

ELECTRICITY DIVISION, M.O.E. ONLY

(ii) STATEMENT OF PROFIT AND LOSS FOR THE YEAR ENDED 31 MARCH 1986

Working costs ¹	\$	\$	Income—	\$	\$
Capital Charges—		398,365,119	Sales of energy	1,032,675,579 ²	
Interest ¹	366,053,611		Rents and miscellaneous receipts	34,998,737 ²	
Depreciation including interest on depreciation account	77,799,516		Net increase in General Reserve Account		1,067,674,316
		443,853,127			163,731,929
Loan capital repayments		61,724,141			
Total costs (see table iv)		903,942,387			903,942,387

ELECTRICITY DIVISION, M.O.E. ONLY

(iii) STATEMENT OF FINANCIAL POSITION AS AT 31 MARCH 1986

Internal Resources—	\$	\$	Completed Works	\$	\$
Depreciation Account	700,832,941		Works under construction	3,481,654,005	
General Reserve Account	1,423,881,782		Plant, motor vehicles and tools	764,348,905	
Currency Fluctuation Reserve	4,380,199		Capital outlay (see table v)	48,525,903	
		2,129,094,922			4,294,528,813
External Resources—			Stocks of materials		162,603,998
Loans	2,563,650,071		Sundry debtors, etc. less sundry creditors		172,999,518
Trust Accounts	46,370		Loans for Local Hydro Schemes		33,194,511
		2,563,696,441	Investments		28,788,000
			Cash		676,523
		4,692,791,363			4,692,791,363

ELECTRICITY DIVISION, M.O.E. ONLY

(iv)—ANALYSIS OF OPERATING COSTS FOR YEAR ENDED 31 MARCH 1986

	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	42,333,506	20,896,960	228,599,832	291,830,298	1.562	
Thermal stations	230,392,949	35,896,976	187,642,555	453,932,480	6.220	
Power purchased	830,945	16,619	...	847,564	3.769	...
Generated and purchased	273,557,400	56,810,555	416,242,387	746,610,342	2.871	3.073
Transmission lines	13,208,587	6,520,115	47,292,718	67,021,420	0.258	0.276
Substations	18,863,684	9,311,623	34,727,480	62,902,787	0.242	0.259
Communications	5,092,781	2,513,934	3,612,270	11,218,985	0.043	0.046
Retail distribution	3,662,430	92,531	2,655,285	6,410,246	0.025	0.026
System operation and testing	6,546,887	3,231,720	...	9,778,607	0.038	0.040
TOTALS:	320,931,769	78,480,478	504,530,140	903,942,387	3.476	3.720
Administration (ref. column b)	78,480,478					
	399,412,247					
		SUMMARY				
		Working costs		156,726,868	0.603	0.645
		Cost of fuel		164,204,901	0.631	0.676
		Administration		78,480,478	0.302	0.323
		Capital Charges		504,530,140	1.940	2.077
		Total costs		903,942,387	3.476	3.720

¹Does not agree with table iv Section A or Table I (Parts I and II) Section B as gains on foreign currency realignments are included as working costs in Profit and Loss Account and in interest expenses elsewhere. ²Does not agree with Table I (Part I) due to alternative treatment of income relating to previous periods.

ELECTRICITY DIVISION, M.O.E. ONLY
(v) ANALYSIS OF CAPITAL OUTLAY AS AT 31 MARCH 1986

	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	7,523,377	5,811,940	224,109,850	
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	3,443,302	6,410,794	24,116,183	
Maraetai	22,954,034	7,470,250	9,379,939	39,804,223	
Waipapa	10,024,699	2,820,261	2,947,799	15,792,759	
Arapuni	3,985,978	1,249,374	2,408,097	7,643,449	
Karapiro	5,208,884	1,386,270	2,153,124	8,748,278	
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	1,258,871	1,391,356	3,200,915	
Piripaua	1,513,134	216,396	425,419	2,154,949	
Mangahao	2,047,935	625,438	896,239	3,569,612	
Tekapo 'A'	113,030	6,328,858	923,127	7,365,015	
Tekapo 'B'	96,345,684	11,355,735	8,484,202	116,185,621	
Lake Pukaki control	73,987,714			73,987,714	
Benmore	38,994,175	11,660,420	8,166,532	58,821,127	
Aviemore	23,661,094	8,438,159	5,446,488	37,545,741	
Waitaki	3,667,566	3,356,820	2,678,121	9,702,507	
Lake Wakatipu control	1,384	853		2,237	
Lake Hawea control	4,914,941			4,914,941	
Roxburgh	34,520,320	5,401,620	9,458,594	49,380,534	
Cobb	8,323,899	944,279	824,992	10,093,170	
Arnold	246,738	50,366	56,532	353,636	
Lake Coleridge	3,916,610	689,014	778,463	5,384,087	
Highbank	1,268,795	452,487	393,697	2,114,979	
Lake Manapouri control	11,873,313			11,873,313	
Lake Te Anau control	9,809,902			9,809,902	
Manapouri	78,136,369	21,719,390	19,585,526	119,441,285	
Monowai	436,548	169,300	159,711	765,559	
Ohau 'A'	107,695,440	19,662,503	25,330,650	152,688,593	
Ohau 'B'	98,512,152	22,530,938	24,221,985	145,265,075	
Ohau 'C'	80,041,344	18,306,438		98,347,782	
Clyde	306,094			306,094	
Twizel control station		1,450,620	6,165,230	7,615,850	
Upper Waitaki control building		7,745,612		7,745,612	
Ruataniwha	25,138			25,138	
Omarama housing		3,788,865		3,788,865	
Kawarau River	7,888			7,888	
	<u>1,243,595,198</u>	<u>212,077,016</u>	<u>186,721,512</u>	<u>1,642,393,726</u>	
Thermal stations—					
	<i>Fuel handling Equipment</i>				
Huntly	84,655,644	169,468,613	468,773,281	722,897,538	
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	
Meremere	5,720,481	10,999,997	22,331,322	39,051,800	
New Plymouth	3,448,291	30,652,012	102,206,894	136,307,197	
Otahuhu	757,217	9,269,316	17,901,715	27,928,248	
Stratford	129,415	1,648,252	28,742,001	30,519,668	
Wairakei	22,651,030	11,127,430	12,764,123	46,542,583	
Whirinaki	3,133,170	602,142	24,468,978	28,204,290	
	<u>122,426,864</u>	<u>275,949,100</u>	<u>779,641,049</u>	<u>1,178,017,013</u>	
Transmission system—					
Line depot (not associated with Power Stations or Substations)				900,264	
33 kV a.c.				3,105,300	
50 kV a.c.				1,601,373	
66 kV a.c.				15,193,798	
110 kV a.c.				56,738,632	
220 kV a.c.				245,694,832	
500 kV d.c.				10,693,128	
500 kV d.c. (submarine cable)				5,850,976	
				<u>339,778,303</u>	
Substations—					
11 kV				44,025	
33 kV				4,601,407	
50 kV				1,528,942	
66 kV				15,027,520	
110 kV				77,951,182	
220 kV				127,843,892	
500 kV (converter stations)				22,505,381	
				<u>249,502,349</u>	
Communications system				25,952,647	
Distribution system				19,077,105	
Offices, stores, land, and buildings				26,932,858	
Total completed works				<u>3,481,654,001</u>	

ELECTRICITY DIVISION, M.O.E. ONLY
(v) ANALYSIS OF CAPITAL OUTLAY AS AT 31 MARCH 1986—*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	3,270,113	1,201,114	260,148	4,731,375	
Upper Waitaki	604,009	6,600,996	28,789,075	35,994,080	
Clyde	222,566,474	87,047,554	74,818,662	384,432,690	
Other stations	955,544	2,820,893	449,069	4,225,506	
	<u>227,396,140</u>	<u>97,670,557</u>	<u>104,316,954</u>		<u>429,383,651</u>
Thermal stations—					
Fuel handling Equipment		462,502	1,121,845	1,584,347	
Huntly				104,405,959	
Ohaaki	39,132,732	8,715,924	56,557,303	104,405,959	
Other stations	2,820,992	2,152,674	31,388,970	36,362,636	
	<u>41,953,724</u>	<u>11,331,100</u>	<u>89,068,118</u>		<u>142,352,942</u>
Transmission system—					
Line depot (not associated with Power Stations or Substations)				171,254	
33 kV a.c.					
50 kV a.c.					
66 kV a.c.					
110 kV a.c.				163,092	
220 kV a.c.				43,596,923	
500 kV d.c. (submarine cables)				189,443	
					<u>44,120,712</u>
Substations					
11 kV				2,806	
33 kV				793,514	
50 kV				493,793	
66 kV				1,354,487	
110 kV				17,940,500	
220 kV				52,739,740	
500 kV d.c. (converter station)				1,991	
					<u>73,326,831</u>
Communications system					13,081,742
Distribution system					471,090
Offices, stores, land, and buildings					10,540,371
Surveys, and investigations of other schemes					<u>51,071,560</u>
Total works under construction					<u>764,348,899</u>
Plant, motor vehicles, and tools					<u>48,525,903</u>
TOTAL CAPITAL OUTLAY					<u>4,294,528,803</u>

**SECTION B: COMBINED RESULTS OF THE ELECTRICITY DIVISION(M.O.E.) AND ELECTRICAL
SUPPLY AUTHORITIES FOR THE YEAR ENDED 31 MARCH 1986
CONDENSED STATISTICS DETAILED IN SUBSEQUENT TABLES**

No.		Hydro	Steam	Oil/Gas	Total	No.	
1	Generating stations	No.	82	5	8	95	1
2	Installed capacity	MW	4 648.2	2 094.0	692.9	7 435.1	2
3	Generation	GWh	19 706.6	6 683.0	627.5	27 017.1	3
4	Maximum load	MW				4 715.6 ¹	4
5	Retail sales of electricity	GWh				24 275.4	5
6	Consumers	No.				1 462 735	6
7	Population (mean)	No.				3 280 800 ²	7
8	Population (total)	No.				3 307 800 ²	8
9	Capital expenditure less depreciation	\$(m)				5,067.7	9
10	Income from retail sales of electricity	\$(m)		1,461.6			10
11	Other general income	\$(m)		85.6			11
12	Appliance sales and servicing income	\$(m)		60.9			12
13	Gross Income	\$(m)				1,608.1	13
14	Cost of electricity purchased from non-supply industry sources	\$(m)		0.4			14
15	Generation expenditure	\$(m)		696.9			15
16	Total cost of electricity	\$(m)			697.3		16
17	Other supply expenditure	\$(m)			510.2		17
18	Appliance sales and servicing expenditure	\$(m)			58.4		18
19	Gross expenditure	\$(m)				1,265.9	19
20	Net results surplus	\$(m)				342.2	20
21	Income from retail sales of electricity per kWh sold retail	c.				6.021	21
22	Gross income per kWh sold retail	c.				6.624	22
23	Total cost of electricity per kWh sold retail	c.				2.873	23
24	Gross expenditure per kWh sold retail	c.				5.215	24
25	Generation per head of mean population	kWh				8.235	25
26	Generation per head of total population	kWh				8.168	26
27	Retail sales of electricity per head of mean population	kWh				7.399	27
28	Retail sales of electricity per head of total population	kWh				7.339	28
29	Retail sales of electricity per total consumers	kWh				16.596	29
30	Electrical accidents during year (fatal)	No.				15	30

¹Occurred at 1800 hours on 24 June 1985²Provisional Census night total (4 March 1986).³Estimated

TABLE I (PART I)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1986

No.	Supply Authorities	Income										Cost of Electricity					Total	No.
		General Income			Total General Income		Appliance Sales and Servicing Income	Gross Income	Loan Interest	Depre- ciation	Operation and Maintenance ⁴	Total	Purchased	Total				
		Sales of Electricity Retail	Bulk for Resale	Other Sources	Sales of Electricity Bulk for Resale	Total General Income												
1	Electricity Division ¹	154,479,152	877,994,164 ⁶	35,201,000 ⁸	1,067,674,316	1,067,674,316	299,705,884	68,361,123	272,726,454	640,793,461	830,945	641,624,406	1					
<i>Government Department</i>																		
1	Southland ²	...	...	...	...	...	...	...	...	...	...	...	...
<i>Power Boards and Related Authorities</i>																		
1	Ashburton	12,025,566	...	332,821	12,358,387	12,358,387	1,993,640	811,913	120,848	150,384	1,083,145	6,552,377	7,635,522					
2	Auckland	217,833,500	...	6,951,416	224,784,916	224,784,916	894,515	...	...	...	...	162,091,458	162,091,458	
3	Bay of Islands	14,871,034	...	651,529	15,522,563	15,522,563	26,528	...	...	...	...	9,579,795	9,579,795	
4	Bay of Plenty	25,027,337	...	1,013,163	28,008,254	28,008,254	1,710,156	3,845,056	718,298	718,248	5,289,602	14,949,303	20,238,905					
5	Buller	4,583,817	...	130,444	4,714,261	4,714,261	508,499	...	...	...	...	3,301,315	3,301,315	
6	Cambridge	5,898,144	...	240,636	6,138,780	6,138,780	...	...	...	...	...	4,075,164	4,075,164
7	Central Canterbury	27,585,535	...	1,133,181	28,736,767	28,736,767	1,825,635	...	...	...	...	18,658,831	18,658,831	
8	Central Hawke's Bay	5,529,250	...	1,469,918	5,676,168	5,676,168	...	...	...	...	...	3,872,746	3,872,746
9	Central Waikato	35,629,001	...	2,861	36,061,784	36,061,784	91,661	...	...	...	...	23,445,403	23,445,403	
10	Dannevirke	5,007,499	...	64,991	5,072,490	5,072,490	759,508	...	...	...	...	3,263,657	3,263,657	
11	Egmont	13,153,973	...	312,766	13,684,117	13,684,117	...	9,587,869	1,458,636	684,881	11,731,386	4,711,839	16,443,225					
12	Franklin	17,606,187	...	291,985	17,898,361	17,898,361	557,390	...	...	...	...	11,713,492	11,713,492	
13	Hawke's Bay	58,411,464	...	1,466,916	63,721,486	63,721,486	3,055,048	...	...	...	...	49,520,667	49,520,667	
14	Horowhenua	22,271,355	...	647,253	22,918,608	22,918,608	1,650,631	...	...	...	...	13,497,233	13,497,233	
15	Hutt Valley	73,306,032	...	3,882,572	77,188,604	77,188,604	2,567,568	...	...	...	...	49,225,178	49,225,178	
16	King Country	16,000,629	...	302,287	17,253,747	17,253,747	318,297	52,561	36,269	369,583	458,413	14,193,532	14,651,945					
17	Manawatu-Oroua	20,615,882	...	1,301,605	31,182,875	31,182,875	870,790	...	...	...	...	23,579,707	23,579,707	
18	Marborough	13,564,251	...	365,576	13,929,891	13,929,891	165,965	2,704,519	536,370	346,832	3,587,721	8,799,740	8,799,740					
19	North Auckland	25,314,357	...	4,768,086	30,082,443	30,082,443	...	...	...	...	...	21,312,434	21,312,434
20	North Canterbury	14,677,039	...	997,465	15,842,045	15,842,045	2,087,986	...	...	...	...	9,443,317	9,443,317	
21	Otago	11,287,333	...	765	11,476,061	11,476,061	2,417,578	3,903,387	692,312	500,394	5,096,093	5,317,325	10,413,418					
22	Otago Central	11,771,326	...	691,146	12,462,472	12,462,472	3,439,844	748,258	296,493	402,254	1,447,005	5,405,068	6,852,073					
23	Povung Bay	17,657,650	...	327,801	17,980,451	17,980,451	846,915	...	...	...	...	10,683,704	10,683,704	
24	Rotorua	20,035,164	...	41,886	20,077,050	20,077,050	2,155,509	6,988,027	803,187	623,575	8,414,789	10,080,004	18,494,793					
25	South Canterbury	17,368,898	...	5,235,897	23,594,014	23,594,014	2,942,213	...	...	...	...	15,625,783	15,625,783	
26	Taranaki	15,019,466	...	63,733	15,083,199	15,083,199	...	...	40,331	360,918	401,249	10,098,823	10,500,072			
27	Taranua	4,217,774	...	32,188	4,249,962	4,249,962	290,062	...	...	...	...	2,308,080	2,308,080	
28	Tasman	20,394,500	...	317,888	20,712,388	20,712,388	3,400,784	...	...	...	...	17,110,400	17,110,400	
29	Tauranga ¹	27,462,628	...	664,264	28,126,892	28,126,892	31,227,356	2,278,653	2,003,584	1,614,092	5,896,329	11,806,358	17,702,687					
30	Te Awamutu	7,223,562	...	591	7,224,153	7,224,153	...	...	...	...	...	5,031,232	5,031,232
31	Thames Valley	63,101,525	...	1,615,344	64,716,869	64,716,869	65,923,667	...	...	...	...	49,457,265	49,457,265	
32	Waikato	16,072,399	...	443,250	16,515,649	16,515,649	2,600,507	...	10,968	86,904	97,872	9,410,434	9,508,306					
33	Waikato	2,940,129	...	49,990	3,000,119	3,000,119	408,073	1,481,981	337,933	152,901	1,972,815	2,751,325	2,751,325					
34	Waikato	9,533,478	...	837,574	10,371,052	10,371,052	2,342,985	...	...	...	...	6,181,336	6,181,336	
35	Waitemata	84,442,448	...	5,499,599	89,942,047	89,942,047	1,549,627	...	16,285	139,345	155,630	64,026,786	64,182,416					
36	Waitemata	9,069,535	...	413,781	9,483,316	9,483,316	733,015	484,768	177,845	232,884	895,497	5,218,015	6,113,512					
37	Wanganui-Kangitikei	25,432,204	...	1,054,151	26,486,355	26,486,355	4,508,431	981,194	1,038	7,609	8,647	17,359,839	17,359,839					
38	West Coast	10,571,144	...	979	10,572,123	10,572,123	13,603,754	471,876	624,398	2,077,468	3,221,495	5,298,963	5,298,963					
		1,002,508,015	...	38,078,628	1,077,644,139	1,077,644,139	46,683,672	7,730,273	7,015,202	48,613,661	703,284,092	751,897,753	751,897,753					

TABLE I (PART I)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1986—continued

No.	Supply Authorities	Income										Cost of Electricity					No.	
		General Income			Total General Income	Appliance Sales and Servicing Income	Gross Income	Loan Interest	Generation		Total	Purchased	Total					
		Sales of Electricity	Other Sources	Depreciation					Operation and Maintenance ⁴									
	Retail	Bulk for Resale																
<i>Territorial Authorities</i>																		
1	Bluff	1,115,990	..	..	1,115,990	314,227	1,430,217	..	..	..	..	..	..	..	..	844,264	1	844,264
2	Christchurch	87,109,304	46	4,203,414	91,312,764	5,558,596	96,871,360	..	..	..	..	..	..	..	..	67,770,511	2	67,770,511
3	Dunedin	41,143,515	..	3,232,716	44,376,231	1,624,727	46,000,958	..	..	2,049,000	3,804,934	5,853,934	23,313,828	29,167,762	29,167,762	23,313,828	3	29,167,762
4	Hamilton	12,027,418	..	791,689	12,819,107	12,819,107	12,819,107	..	..	..	..	..	7,212,715	7,212,715	7,212,715	7,212,715	4	7,212,715
5	Heathcote	2,992,194	..	111,971	3,104,165	290,734	3,394,899	..	..	..	..	..	2,325,992	2,325,992	2,325,992	2,325,992	5	2,325,992
6	Invercargill	14,946,212	608,023	51,697	15,605,932	495,760	15,605,932	..	..	..	..	..	..	..	..	10,805,135	6	10,805,135
7	Kaipoi	1,426,521	..	15,721	1,442,242	249,857	1,938,002	..	..	..	..	..	..	..	..	997,465	7	997,465
8	Lytelton	1,164,692	..	39,559	1,204,251	335,478	1,454,108	..	..	..	..	..	..	..	..	781,737	8	781,737
9	Napier	6,434,634	..	418,146	6,852,780	3,050	7,188,258	..	..	..	..	..	..	..	..	3,843,106	9	3,843,106
10	Nelson	8,148,084	..	18,400	8,166,484	3,050	8,169,534	..	..	..	..	..	..	..	..	4,988,749	10	4,988,749
11	New Plymouth	19,886,410	..	271,929	20,158,339	2,281,226	22,439,565	..	..	47,479	251,814	299,293	12,601,559	12,900,852	12,900,852	12,601,559	11	12,900,852
12	Palmerston North	13,334,208	..	135,917	13,470,125	319,790	13,470,125	..	..	1,918	11,848	13,766	9,317,723	9,317,723	9,317,723	9,317,723	12	9,317,723
13	Riccarton	3,306,954	..	101,674	3,408,628	376	3,408,628	..	..	..	..	..	2,360,880	2,360,880	2,360,880	2,360,880	13	2,360,880
14	Taumarunui	1,400,803	376	116,011	1,517,190	..	1,517,190	..	..	18,963	64,846	83,809	950,934	1,034,743	1,034,743	950,934	14	1,034,743
15	Taupo	9,554,446	..	646,874	10,201,320	..	10,201,320	..	..	775,270	235,885	1,247,673	5,369,996	6,617,669	6,617,669	5,369,996	15	6,617,669
16	Tauranga	4,668,814	..	115,276	4,784,090	17,666	4,784,090	..	..	..	32,029	32,029	3,100,464	3,132,493	3,132,493	3,100,464	16	3,132,493
17	Thames-Coromandel	2,338,393	..	12,519	2,350,912	525,155	2,350,912	..	..	..	..	..	1,608,116	1,608,116	1,608,116	1,608,116	17	1,608,116
18	Timaru	7,652,986	..	37,356	7,690,342	8,215,497	8,215,497	..	..	..	..	..	5,235,897	5,235,897	5,235,897	5,235,897	18	5,235,897
19	Wairoa	1,567,400	..	31,074	1,598,474	2,231,201	1,598,474	..	..	..	..	..	1,062,781	1,062,781	1,062,781	1,062,781	19	1,062,781
20	Wellington	54,487,191	..	2,807,321	57,294,512	..	59,525,713	..	..	..	..	..	41,735,416	41,735,416	41,735,416	41,735,416	20	41,735,416
21	Whakatane	2,904,777	..	20,485	2,925,262	..	2,925,262	..	..	..	..	..	1,967,754	1,967,754	1,967,754	1,967,754	21	1,967,754
22	Whangarei	6,968,511	..	155,209	7,123,720	..	7,123,720	..	..	..	..	..	4,768,086	4,768,086	4,768,086	4,768,086	22	4,768,086
Totals		1,461,566,624	916,681,237	85,593,454	2,463,841,315	60,931,139	2,524,772,454	334,368,303	78,425,678	2,334,282	4,401,989	7,530,504	212,903,108	917,078,145	1,614,015,771	212,903,108		1,614,015,771
Less bulk for resale		..	916,681,237	..	916,681,237	..	916,681,237	..	..	..	..	..	916,681,237	916,681,237	916,681,237	..		916,681,237
NET INCOME AND COST		1,461,566,624	..	85,593,454	1,547,160,078	60,931,139	1,608,091,217	334,368,303	78,425,678	284,143,645	696,937,626	396,908 ³	696,937,626	697,334,534	697,334,534	396,908 ³		697,334,534

NOTES: ¹Includes Southland Electric Power Supply. 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. ⁴Actual running costs including transport, wages, stores, and maintenance. Also includes cost of fuel \$164,277,343. ⁵Purchases from sources other than the Electricity Division or a supply authority. ⁶Does not agree with Section A table (ii) due to alternative treatment of income relating to previous periods.

TABLE I (PART II)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1986

No.	Supply Authorities	Expenditure											Net Results Surplus	No.		
		Cost of Electricity		Operation and Maintenance			Supply Expenditure and Charges		Administration and General	Loan Interest	Depreciation	Total Supply Expenditure			Appliance Sales and Servicing Expenditure	Gross Expenditure
		Transmission and Distribution	Properties Plant and Equipment	Consumer-related Costs	Total	Administration and General	Loan Interest	Depreciation									Total Supply Expenditure
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			\$	\$
1	Electricity Division ¹	641,624,406	46,821,454	1,416,454	226,115	48,464,023	77,392,224	65,299,199	9,438,394	842,218,246	842,218,246	225,456,070	1			
Government Department																
1	Southland ²	...	...	...	...	...	...	...	...	...	...	...	...
Power Boards and Related Authorities																
1	Ashburton	7,635,522	1,405,902	134,197	98,890	1,638,989	910,102	432,436	994,247	1,611,296	1,897,025	13,508,321	843,706			
2	Auckland	162,091,458	14,763,585	3,284,116	2,248,687	20,296,388	8,326,168	3,224,672	8,534,949	202,493,635	864,074	203,357,709	22,331,722			
3	Bay of Islands	9,579,795	1,577,551	288,874	116,283	1,982,708	1,209,332	614,869	1,037,632	14,424,336	24,816	14,449,152	1,099,939			
4	Bay of Plenty	20,338,905	1,399,423	556,793	194,907	2,151,123	1,481,282	339,433	1,915,045	25,125,790	1,693,479	26,819,269	2,899,141			
5	Buller	3,301,315	435,353	76,110	51,810	563,453	347,895	51,677	189,876	4,454,216	496,632	4,950,848	271,912			
6	Cambridge	4,075,164	355,618	92,954	214,910	448,572	300,969	6,175	282,395	5,113,275	1,768,718	5,113,275	1,025,505			
7	Central Canterbury	18,658,831	2,008,620	581,685	23,218	453,510	2,191,372	47,384	1,394,200	25,097,002	1,768,718	26,865,720	3,696,682			
8	Central Hawke's Bay	3,872,746	379,238	51,054	302,797	3,521,448	2,860,101	799,531	2,074,840	32,701,323	79,278	32,780,601	3,372,844			
9	Central Waikato	23,445,403	2,895,316	323,335	59,924	491,167	470,672	68,625	316,802	4,610,923	718,920	5,329,843	502,155			
10	Dannevirke	3,263,657	380,968	50,275	59,924	491,167	470,672	68,625	316,802	4,610,923	718,920	5,329,843	502,155			
11	Egmont	16,443,225	1,494,376	133,316	170,347	1,798,039	1,272,925	48,943	481,665	20,044,797	20,044,797	20,044,797	(6,360,680)			
12	Franklin	11,713,492	1,433,939	245,842	151,642	1,831,423	1,350,570	345,740	757,820	15,999,045	547,716	16,546,761	1,908,990			
13	Hawke's Bay	49,520,667	3,150,826	474,235	472,064	4,097,125	2,131,832	812,043	2,672,584	59,234,251	8,222,143	62,056,394	4,720,140			
14	Horowhenua	13,497,233	2,287,191	252,888	315,646	2,855,725	1,546,742	423,070	1,191,659	19,514,429	1,526,703	21,041,132	3,528,107			
15	Hutt Valley	49,225,178	8,233,005	1,173,097	1,182,451	10,588,553	6,505,691	1,259,005	2,333,000	69,911,427	2,460,498	72,371,925	7,384,247			
16	King Country	4,651,945	724,895	116,119	147,853	988,867	493,342	35,053	323,573	16,494,780	305,083	16,799,863	772,181			
17	Manawatu-Oroua	23,579,707	2,350,624	327,278	345,554	3,023,456	1,295,228	107,611	1,341,111	29,347,173	868,163	30,215,336	1,838,329			
18	Marborough	8,799,740	1,967,693	96,718	273,338	2,337,949	988,328	504,078	918,905	13,549,000	132,503	13,681,503	414,353			
19	North Auckland	21,312,434	1,405,974	1,171,718	76,771	2,654,463	1,807,308	1,113,709	1,617,756	28,505,870	1,973,245	28,505,870	2,753,630			
20	North Canterbury	9,443,317	1,389,068	185,596	265,316	1,839,980	1,049,196	720,496	971,144	14,024,133	1,973,245	15,997,378	1,932,653			
21	Otago	10,413,418	1,859,213	126,342	127,596	2,113,151	1,018,277	322,641	537,277	14,404,764	2,405,829	16,810,593	(2,916,954)			
22	Otago Central	6,852,073	991,062	106,090	68,883	1,166,035	1,069,264	392,129	603,941	10,083,442	3,386,848	13,470,290	2,432,026			
23	Poverty Bay	10,683,704	737,483	367,463	200,286	2,842,232	1,493,512	452,296	794,735	16,266,479	800,657	17,067,136	1,760,230			
24	Rototua	18,494,793	1,567,005	268,832	311,148	2,146,985	1,513,915	116,109	837,784	23,109,586	...	23,109,586	(954,077)			
25	South Canterbury	15,625,783	1,931,710	342,601	52,294	2,326,605	1,424,554	246,891	1,004,574	20,628,407	2,921,840	23,550,247	2,945,980			
26	Taranaki	10,500,072	1,143,646	165,225	128,333	1,437,204	959,671	217,560	910,367	14,024,874	...	14,024,874	1,058,325			
27	Taranaki	2,308,080	468,154	38,446	46,453	553,053	413,400	157,995	286,894	3,719,422	299,318	4,018,740	521,284			
28	Tasman	17,110,400	1,622,460	288,393	249,193	2,160,046	1,850,074	883,397	1,540,222	23,544,139	3,458,134	27,002,273	2,099,648			
29	Tauranga	17,702,687	2,131,589	574,696	572,214	3,228,499	1,525,424	841,018	1,455,640	24,753,268	...	24,753,268	6,474,088			
30	Te Awamutu	5,031,232	506,044	86,439	149,033	741,516	534,915	...	406,311	6,713,974	...	6,713,974	827,481			
31	Thames Valley	49,457,265	4,075,530	884,691	191,902	5,152,123	3,041,801	1,177,601	1,956,134	60,784,924	2,471,819	60,784,924	5,138,743			
32	Wairarapa	9,508,306	385,613	38,446	288,539	1,982,752	1,433,413	1,100,153	1,160,043	15,184,667	2,471,819	17,656,486	1,459,670			
33	Waioata	4,724,140	351,668	49,839	41,726	443,233	297,284	59,333	151,723	5,675,115	376,434	6,051,547	(1,591,175)			
34	Wairaki	6,181,316	1,045,245	299,055	210,543	1,554,843	848,285	132,271	754,348	9,471,083	2,257,242	11,728,325	983,712			
35	Waitemata	64,182,416	5,625,678	1,793,787	1,388,662	8,808,127	5,738,337	2,735,930	3,838,151	85,302,961	1,452,113	86,755,074	4,736,600			
36	Waitemata	6,113,512	1,107,729	163,612	113,311	1,384,652	659,329	106,545	744,641	9,008,679	728,919	9,737,598	478,733			
37	Wanganui-Kangitikei	17,359,839	2,721,965	515,002	236,006	3,472,973	1,961,747	351,780	1,168,244	24,314,593	4,138,111	28,452,704	2,542,084			
38	West Coast	5,298,963	1,423,492	398,404	207,350	2,029,246	909,443	424,542	854,983	9,517,177	2,110,709	11,627,886	1,975,869			
		751,897,753	82,194,618	16,420,730	11,296,080	109,911,428	63,679,263	20,815,041	47,660,628	993,964,113	44,986,969	1,038,951,082	85,376,729			

TABLE I (PART II)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1986—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		Consumer-related Costs		Total	Administration and General	Loan Interest				Depreciation	Total Supply Expenditure
				\$	\$	\$	\$	\$	\$						\$	
Territorial Authorities																
1	Bluff	844,264	148,952	31,378	1,189,316	180,330	83,942	461	22,612	1,131,609	282,489	1,414,098	16,119			
2	Christchurch	67,770,511	6,370,392	753,596	315,363	8,313,304	4,133,493	532,310	3,516,129	84,265,747	5,241,266	89,507,013	7,364,347			
3	Dunedin	29,167,762	4,385,923	502,599	321,744	5,203,885	3,078,917	90,136	1,383,000	38,923,700	1,544,161	40,467,861	5,533,097			
4	Hamilton	7,212,715	1,719,759	141,434	321,744	2,182,977	1,784,546	25,130	...	11,180,238	285,386	11,465,624	1,638,869			
5	Heathcote	2,325,992	95,267	23,678	6,468	125,413	194,968	...	...	2,671,503	...	2,956,889	438,010	
6	Invercargill	10,805,135	1,507,042	98,961	160,197	1,766,300	659,152	463,210	498,385	14,192,082	335,390	14,527,472	1,413,850			
7	Kaipoi	997,465	21,218	20,439	9,460	51,117	191,360	9,840	8,000	1,257,782	252,771	1,510,553	344,830			
8	Lyttelton	781,737	165,222	4,369	15,854	185,445	133,796	25,787	1,267,655	1,379,536	303,315	1,682,851	74,572			
9	Napier	3,843,106	411,444	100,456	404,304	916,204	609,170	237,404	350,111	5,955,995	6,261,310	6,261,310	976,948			
10	Nelson	4,988,749	722,638	167,274	94,576	984,488	572,761	307,000	261,726	7,114,724	1,804	7,116,528	1,053,006			
11	New Plymouth	12,900,852	2,061,450	330,045	300,248	2,691,743	1,217,558	70,436	917,707	17,798,296	2,237,143	20,035,439	2,404,126			
12	Palmerston North	9,331,489	1,610,737	73,064	165,836	1,849,637	1,248,684	227,801	310,232	12,967,843	...	12,967,843	502,282			
13	Riccarton	2,360,880	143,103	...	104,667	247,770	299,917	126,499	50,000	3,085,066	315,962	3,401,028	327,390			
14	Taumarunui	1,034,743	214,087	4,759	9,532	228,378	176,492	...	...	1,439,613	...	1,439,613	77,577	
15	Taupo	6,617,669	616,559	263,402	94,551	974,512	842,320	269,400	471,475	9,175,376	...	9,175,376	1,023,944			
16	Tauranga	3,132,493	218,381	49,645	73,021	341,047	402,616	16,891	...	3,893,047	...	3,893,047	891,043			
17	Thames-Coromandel	1,608,116	186,241	9,554	36,294	232,089	194,142	...	56,302	2,090,649	8,514	2,099,163	269,415			
18	Timaru	5,235,897	434,134	69,408	101,077	604,639	435,583	229,282	273,375	6,778,776	514,532	7,293,308	922,189			
19	Wairoa	1,062,781	123,540	5,286	24,128	152,994	201,274	19,753	67,410	1,504,172	...	1,504,172	94,302			
20	Wellington	41,735,416	4,705,917	960,543	711,221	6,377,681	3,186,647	310,546	1,142,035	52,752,325	2,106,059	54,858,384	4,667,329			
21	Whakatane	1,967,754	352,405	26,463	22,636	401,504	232,296	15	137,035	2,738,604	...	2,738,604	186,658			
22	Whangarei	4,768,086	358,944	23,437	58,176	440,557	652,723	...	105,034	5,966,400	...	5,966,400	1,157,320			
Totals		220,493,612	26,573,415	3,659,790	4,218,669	34,451,874	20,532,357	2,961,901	9,570,568	288,010,312	13,430,792	301,441,104	31,329,223			
Less bulk for resale		1,614,015,771	155,589,487	21,496,974	15,740,864	192,827,325	161,603,844	89,076,141	66,669,590	2,124,192,671	58,417,761	2,182,610,432	342,162,022			
NET EXPENDITURE		697,334,534	155,589,487	21,496,974	15,740,864	192,827,325	161,603,844	89,076,141	66,669,590	1,207,511,434	58,417,761	1,265,929,195	342,162,022			

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 1986

No.	Supply Authorities	Public Debt (excl. Home Installation and Solar Installation Loans)					Liabilities				Reserves					Total	No.
		Loans Raised During Year	From Redemption Funds		From Internal Sources and Sinking Funds	Gross Loan Liability as at 31 March	Sundry Credits (incl. Home Installation and Solar Installation Loans)	Capital Reserves	Non-capital Reserves		Accumulated Surplus	Total	Total				
			From	Internal					Sinking Funds	Other Reserves							
														Sinking Funds and Reserves for Future Loan Repayments	Total		
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$					
1	Electricity Division ¹	44,519,501*	...	61,724,141	2,563,650,071	43,680,605	4,380,199 ⁷	...	...	...	1,423,881,782 ³	4,035,592,657	1	
1	Government Department	...	...	...	...	...	...	...	...	...	...	...	...
1	Southland ²	...	...	...	...	...	...	...	...	...	...	...	...
<i>Power Boards and Related Authorities</i>																	
1	Ashburton	737,010	...	936,143	9,426,316	1,967,169	12,144,753	751,876	10,088,458	3,317,807	751,876	27,607,921	1				
2	Auckland	...	...	3,431,769	21,964,887	32,405,529	155,140,079	500,000	10,088,458	6,284,784	10,088,458	23,883,737	2		
3	Bay of Islands	...	...	1,415,198	5,796,939	2,939,211	14,364,859	1,201,284	...	3,527,960	1,615,326	33,825,723	3		
4	Bay of Plenty	...	...	1,666,647	26,459,236	8,964,974	13,647,560	220,007	...	938,857	339,304	54,215,756	4		
5	Buller	...	...	77,322	558,538	928,722	2,745,688	...	119,297	...	...	5,511,109	5
6	Cambridge	...	...	95,820	65,000	1,085,498	6,681,505	45,622	327,271	1,005,120	372,893	9,210,016	6		
7	Central Canterbury	...	...	457,667	457,667	5,264,574	28,523,557	354,114	806,023	4,716,606	1,160,137	40,132,541	7		
8	Central Hawke's Bay	85,000	85,000	1,081,368	1,081,368	989,364	4,732,317	281,659	166,874	775,153	448,533	8,046,735	8				
9	Central Waikato	...	980,797	203,746	7,109,442	4,835,760	29,729,619	4,053,187	3,012,608	3,639,350	7,065,795	52,379,966	9				
10	Dannevirke	...	...	102,298	593,706	756,686	5,703,604	194,997	175,840	278,547	370,837	7,703,380	10		
11	Egmont	4,953,686	1,200,000	1,526,089	84,721,970	11,526,861	8,889,227	127,946	246,121	374,067	374,067	105,512,125	11				
12	Franklin	743,905	...	433,239	4,239,825	2,782,342	10,826,436	1,460,587	2,047,759	1,866,762	3,508,346	23,243,711	12				
13	Hawke's Bay	...	...	1,193,333	6,083,224	11,534,724	40,445,532	2,567,282	1,040,084	3,607,366	3,607,366	65,412,809	13		
14	Horowhenua	467,960	...	840,453	3,558,796	4,240,340	18,623,505	1,464,125	2,307,070	3,771,195	3,771,195	32,557,217	14				
15	Hutt Valley	1,550,000	...	2,704,761	10,525,069	14,757,163	52,827,800	1,349,676	11,527,787	6,417,263	12,877,463	97,404,758	15				
16	King Country	...	...	40,054	1,173,552	4,002,781	3,222,089	146,190	4,010,134	4,156,324	4,156,324	14,798,458	16		
17	Manawatu-Oroua	...	...	315,352	1,118,994	6,285,055	18,763,283	579,796	5,556,787	4,930,801	6,136,346	37,334,716	17		
18	Marlborough	1,574,075	...	557,094	31,534,336	1,494,500	13,346,711	1,120,348	743,099	1,863,447	1,863,447	48,258,994	18				
19	North Auckland	1,000,000	...	806,535	9,172,143	5,909,045	22,894,919	2,485,840	712,405	3,198,245	3,198,245	43,545,496	19				
20	North Canterbury	495,000	495,000	236,790	6,109,301	2,718,795	12,880,066	1,158,050	29,761	1,187,811	1,187,811	24,425,526	20				
21	Otago	4,410,226	...	920,933	41,099,004	1,931,184	8,201,551	1,174,042	1,702,832	2,876,874	2,876,874	54,108,613	21				
22	Otago Central	400,000	400,000	460,534	8,619,438	1,596,533	11,603,309	398,167	3,788,480	4,186,647	4,186,647	30,343,548	22				
23	Poverty Bay	...	...	791,329	3,500,621	2,363,382	12,092,400	331,725	131,898	463,623	463,623	20,142,738	23		
24	Rotorua	14,438,142	...	1,285,265	53,950,616	3,028,639	11,572,080	596,955	239,391	836,346	836,346	69,614,371	24				
25	South Canterbury	...	...	469,749	2,349,106	3,086,676	16,947,477	1,004,271	1,984,546	2,988,817	2,988,817	29,256,817	25		
26	Taranaki	...	...	174,756	1,695,060	2,455,512	15,748,848	231,345	1,371,206	1,602,551	1,602,551	21,501,971	26		
27	Taranaki	...	...	158,667	1,167,694	877,755	4,330,547	186,601	28,779	215,380	215,380	6,840,759	27		
28	Tasman	600,000	...	627,228	7,068,854	3,765,093	20,595,430	814,957	47,959	1,362,916	1,362,916	35,962,583	28				
29	Tauranga ¹	375,000	...	5,974,531	47,836,385	29,286,317	30,764,512	513,199	372,873	886,072	886,072	111,688,280	29				
30	Te Awamutu	...	...	...	...	1,299,536	7,438,301	...	453,318	453,318	453,318	10,444,162	30
31	Thames Valley	600,000	...	1,444,395	9,889,523	13,795,585	24,219,932	4,250,926	2,727,198	6,978,124	6,978,124	62,803,557	31				
32	Wairarapa	...	...	1,317,076	8,675,964	3,565,766	7,023,378	780,640	780,640	780,640	780,640	21,836,622	32		
33	Wairoa	6,705,000	...	115,214	25,600,010	2,564,830	28,930	238,926	167,506	436,432	436,432	30,741,868	33				
34	Waikato	...	...	120,204	1,015,351	2,158,539	10,742,172	284,930	1,680,773	1,965,703	1,965,703	11,879,357	34		
35	Waitemata	1,531,150	...	3,389,282	22,902,226	14,611,223	49,625,272	6,986,999	5,491,042	12,478,041	12,478,041	110,840,230	35				
36	Waitemata	833,904	...	575,882	6,618,942	1,595,930	9,718,065	554,324	1,209,373	554,324	554,324	19,986,225	36				
37	Wanganui-Rangitikei	400,000	...	469,013	3,056,965	3,578,282	15,751,691	1,173,602	...	2,382,975	2,382,975	30,389,547	37				
38	West Coast	1,010,300	...	1,427,310	12,040,423	2,082,554	13,130,580	1,451,795	173,872	1,625,667	1,625,667	32,226,814	38				
		43,710,358	3,160,797	36,444,440	488,876,491	219,052,429	749,821,250	41,055,990	65,402,666	106,458,656	99,309,430	1,663,518,256					

TABLE II (PART I)—ANALYSIS OF LIABILITIES AND RESERVES FOR THE YEAR ENDED 31 MARCH 1986—continued

No.	Supply Authorities	Public Debt (excl. Home Installation and Solar Installation Loans)					Liabilities				Reserves					Total	No.
		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	Non-capital Reserves		Total	Accumulated Retained Surplus ⁴	Total				
			From Redemption Funds	From Internal Sources and Sinking Funds					Other Reserves								
<i>Territorial Authorities</i>																	
1	Bluff	..	..	..	4,508	..	..	4,508	162,835	356,317	..	3,024	3,024	3,024	69,267	591,443	1
2	Christchurch	..	..	..	496,144	..	..	4,453,561	16,672,197	52,668,626	610,768	..	610,768	610,768	12,403,427	86,808,579	2
3	Dunedin	..	..	..	50,874	..	..	1,156,614	4,223,528	37,239,957	189,672	19,485,717	19,675,389	19,675,389	562,102	62,857,590	3
4	Hamilton	..	..	..	..	..	..	..	61,913	10,145,322	..	78,902	78,902	78,902	1,621,368	11,907,505	4
5	Heathcote	..	..	..	21,950	2,000	..	177,754	516,250	2,244,783	..	77,564	77,564	77,564	..	3,016,351	5
6	Invercargill	..	..	..	284,070	..	..	4,133,196	2,427,189	6,070,404	944,975	49,559	944,975	944,975	614,930	13,625,323	6
7	Kanapoi	..	..	..	33,542	..	..	91,991	247,518	1,172,106	9,021	63,924	72,945	72,945	614,930	2,199,490	7
8	Lytelton	..	..	..	..	..	..	315,000	267,582	967,703	..	80,121	80,121	80,121	1,630,406	1,630,406	8
9	Napier	..	..	..	402,250	..	..	2,055,730	766,442	5,004,849	776,027	..	776,027	776,027	396,198	8,999,246	9
10	Nelson	..	..	..	208,085	..	..	2,373,231	927,250	3,819,858	85,182	..	85,182	85,182	759,216	7,964,737	10
11	New Plymouth	..	..	..	137,934	..	..	796,151	857,407	14,219,034	289,912	4,635,966	4,925,878	4,925,878	2,452,105	23,250,575	11
12	Palmerston North	..	..	..	66,493	10,000	..	2,265,627	2,175,307	5,947,724	120,160	..	120,160	120,160	2,385,785	12,894,603	12
13	Riccarton	..	..	..	111,000	..	..	1,005,000	581,350	2,993,967	380,593	..	380,593	380,593	51,351	5,012,261	13
14	Taumarunui	..	..	..	20,086	..	..	141,971	265,872	1,127,143	..	449,409	449,409	449,409	1,984,395	1,984,395	14
15	Taupo	..	..	..	733,588	..	..	8,043,021	1,743,714	7,117,257	553,067	86,516	639,583	639,583	1,347,220	18,890,795	15
16	Tauranga	..	..	..	..	..	..	153,500	512,708	4,804,277	38,429	818,414	856,843	856,843	711,830	7,039,158	16
17	Thames-Coromandel	..	..	..	..	..	..	733,478	460,278	733,478	..	78,368	78,368	78,368	126,082	1,398,206	17
18	Timaru	..	..	..	60,484	30,000	..	1,731,647	848,182	6,305,309	202,210	649,185	851,395	851,395	186,533	9,921,066	18
19	Waioa	..	..	..	8,289	..	..	230,480	1,236,393	1,236,393	29,500	..	29,500	29,500	1,751,660	1,751,660	19
20	Wellington	..	..	..	406,247	..	..	4,357,258	8,388,072	45,063,804	1,574,212	14,824,366	16,398,578	16,398,578	4,185,654	78,393,366	20
21	Whakatane	..	..	..	408	..	..	..	478,827	2,422,818	..	197,776	197,776	197,776	233,413	3,332,834	21
22	Whangarei	..	..	..	..	..	..	..	1,403,998	4,347,349	..	1,190,583	1,190,583	1,190,583	480,420	7,422,350	22
GRAND TOTALS		..	..	..	3,045,952	42,000	..	33,481,732	44,243,706	216,008,478	5,774,228	42,798,894	48,573,122	48,573,122	28,586,901	370,893,939	
		..	..	..	101,214,533	3,202,797	..	3,086,008,294	306,976,740	970,209,927	46,830,218	108,201,560	155,031,778	155,031,778	1,551,778,113	6,070,004,852	

NOTES: ¹Includes Southland Electric Power Supply. 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. ⁴Includes foreign currency realignments \$5,427,327. ⁵Shown 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 "Accumulated Retained Surplus". ⁶Subject to auditing after table published. ⁷Currency fluctuation reserve.

TABLE II (PART II)—ANALYSIS OF ASSETS FOR THE YEAR ENDED 31 MARCH 1986

No.	Supply Authorities	Assets						Accumulated Deficit ^a	Total	No.
		Capital Expenditure less Depreciation ^a	Stocks of Materials (non-loan) ^a	Sundry Debtors	Non-loan Cash and Investments	Loan Cash, Stock and Investments				
		\$	\$	\$	\$	\$	\$	\$		
1	Electricity Division ¹	3,593,695,872	162,603,998	249,828,264	...	29,464,523	...	4,035,592,657	1	
<i>Government Department</i>										
1	Southland ²	...	...	...	...	...	...	...	...
<i>Power Boards and Related Authorities</i>										
1	Ashburton	21,571,070	3,057,899	1,426,518	1,552,434	...	...	27,607,921	1
2	Auckland	171,094,159	11,211,173	13,639,447	29,938,958	...	...	225,883,737	2
3	Bay of Islands	17,960,233	1,419,936	1,624,368	122,480	2,698,506	...	23,825,723	3	
4	Bay of Plenty	39,817,529	1,768,706	5,330,846	6,898,175	400,000	...	54,215,256	4	
5	Buller	3,261,025	571,279	742,370	893,168	43,267	...	5,511,109	5	
6	Cambridge	6,760,586	437,874	477,681	1,406,604	127,271	...	9,210,016	6	
7	Central Canterbury	28,991,125	3,386,647	2,289,572	5,465,144	53	...	40,132,541	7	
8	Central Hawke's Bay	5,737,827	734,554	448,815	1,037,515	88,024	...	8,046,735	8	
9	Central Waikato	36,717,393	2,521,441	5,945,968	7,073,496	121,668	...	52,379,966	9	
10	Dannevirke	6,187,310	542,933	577,938	395,199	...	...	7,703,380	10
11	Egmont	93,548,183	959,603	896,794	982,228	...	9,125,317	105,512,125	11	
12	Franklin	13,731,682	1,512,786	2,646,270	3,778,157	1,574,816	...	23,243,711	12	
13	Hawke's Bay	46,528,655	4,489,236	7,845,247	3,487,153	3,062,518	...	65,412,809	13	
14	Horowhenua	21,717,316	1,881,001	3,356,405	3,671,385	1,931,110	...	32,557,217	14	
15	Hutt Valley	57,597,701	4,077,512	7,923,103	27,806,442	...	...	97,404,758	15
16	King Country	3,845,641	985,991	3,867,575	5,549,251	550,000	...	14,798,458	16	
17	Manawatu-Oroua	20,033,676	1,638,384	5,384,083	10,178,573	...	...	37,234,716	17
18	Marlborough	40,664,922	1,164,484	1,854,405	1,658,163	16,202	2,900,818	48,238,994	18	
19	North Auckland	32,079,998	1,535,912	4,634,461	5,295,125	...	...	43,545,496	19
20	North Canterbury	18,869,367	1,821,060	2,541,117	1,192,463	1,519	...	24,425,526	20	
21	Otago	44,612,072	2,737,235	1,732,441	2,920,654	138,000	1,968,211	54,108,613	21	
22	Otago Central	20,068,456	1,726,146	2,847,092	5,251,854	450,000	...	30,343,548	22	
23	Poverty Bay	15,609,023	2,282,274	1,708,678	542,763	...	...	20,142,738	23
24	Rotorua	58,292,110	1,304,303	1,631,177	8,353,046	33,735	...	69,614,371	24	
25	South Canterbury	19,296,583	2,770,034	3,201,383	3,988,817	...	...	29,256,817	25
26	Taranaki	17,443,908	1,272,752	1,128,010	1,608,520	...	48,781	21,501,971	26	
27	Tararua	5,504,245	382,415	468,579	485,520	...	...	6,840,759	27
28	Tasman	27,664,284	2,947,295	3,895,796	1,455,208	...	...	35,962,583	28
29	Tauranga ³	104,681,406	2,019,422	2,526,456	2,460,996	...	...	111,688,280	29
30	Te Awamutu	7,438,301	298,883	623,160	2,083,818	...	...	10,444,162	30
31	Thames Valley	33,759,512	3,988,480	10,687,444	14,018,121	350,000	...	62,803,557	31	
32	Wairarapa	15,199,342	1,763,604	2,294,141	2,079,535	500,000	...	21,836,622	32	
33	Waioa	27,612,907	383,564	908,364	192,192	258,925	1,385,916	30,741,868	33	
34	Waikato	11,757,523	1,381,382	1,174,359	3,281,163	284,930	...	17,879,357	34	
35	Waitemata	70,527,498	5,883,891	7,669,458	24,759,383	2,000,000	...	110,840,230	35	
36	Waitemo	16,276,927	1,207,900	1,446,474	1,054,924	...	...	19,986,225	36
37	Wanganui-Rangitikei	18,675,945	3,973,265	3,865,621	2,701,114	1,173,602	...	30,389,547	37	
38	West Coast	26,662,200	2,072,039	855,258	2,128,514	508,803	...	32,226,814	38	
		1,227,797,640	84,113,295	122,117,074	197,748,255	16,312,949	15,429,043	1,663,518,256		

TABLE II (PART II)—ANALYSIS OF ASSETS FOR THE YEAR ENDED 31 MARCH 1986—continued

No.	Supply Authorities	Assets							Accumulated Deficit	Total	No.
		Capital Expenditure less Depreciation ¹	Stocks of Materials (non-loan)	Sundry Debtors	Non-loan Cash and Investments	Cash, Stock and Investments	Loan				
		\$	\$	\$	\$	\$	\$	\$	\$	\$	
	<i>Territorial Authorities</i>										
1	Bluff	270,886	124,374	193,159	3,024	610,768	...	...	591,443	1
2	Christchurch	57,122,187	3,827,657	8,105,787	17,142,180	...	...	...	86,808,579	2
3	Dunedin	38,396,571	3,658,927	4,465,270	16,336,822	...	...	...	62,857,590	3
4	Hamilton	10,145,322	...	640,242	1,121,941	...	...	...	11,907,505	4
5	Heathcote	2,506,965	82,298	189,019	77,564	1,313	...	...	3,016,351	5
6	Invercargill	9,952,068	791,556	1,392,784	1,004,534	251,533	232,848	...	13,625,323	6	
7	Kaipoi	1,336,750	188,785	253,462	391,669	28,824	...	...	2,199,490	7
8	Lytelton	967,703	182,171	192,516	80,121	...	...	...	1,630,406	8
9	Napier	7,060,578	576,942	444,426	917,300	...	...	...	8,999,246	9
10	Nelson	6,193,089	729,641	787,417	251,331	3,259	...	...	7,964,737	10
11	New Plymouth	13,788,296	1,930,431	2,838,423	4,693,425	...	...	...	23,250,575	11
12	Palmerston North	8,146,817	886,150	627,337	3,047,605	186,694	...	...	12,894,603	12
13	Riccarton	3,700,486	132,837	319,796	478,549	380,593	...	...	5,012,261	13
14	Taurarunui	1,635,148	61,192	168,748	96,341	...	...	...	1,984,395	14
15	Taupo	15,299,237	1,211,513	981,915	1,398,130	...	...	...	18,890,795	15
16	Tauranga	4,965,084	397,835	305,768	1,370,471	...	...	...	7,039,158	16
17	Thames-Coromandel	733,478	116,596	264,324	283,808	...	...	...	1,398,206	17
18	Timaru	8,036,956	497,696	501,692	886,722	...	...	...	9,923,066	18
19	Wairoa	1,476,957	91,409	22,735	56,255	10,000	94,304	...	1,751,660	19	
20	Wellington	48,426,063	3,496,193	7,194,935	18,281,175	995,000	...	...	78,393,366	20
21	Whakatane	2,422,818	276,611	159,428	473,977	...	...	...	3,332,834	21
22	Whangarei	3,624,907	532,571	728,210	2,536,370	292	...	...	7,422,350	22
		246,208,366	19,793,385	30,777,393	70,929,314	2,468,276	717,205	...	370,893,939		
	GRAND TOTALS										
		5,067,701,878	266,510,678	402,722,731	268,677,569	48,245,748	16,146,248	6,070,004,852			

NOTES: ¹Includes Southland Electric Power Supply; 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. ⁴Subject to auditing after table published.

TABLE III—ANALYSIS OF CAPITAL EXPENDITURE FOR THE YEAR ENDED 31 MARCH 1986

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			
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
1	Electricity Division ¹	172,650,195	42,439,110	33,363,149	248,452,454	...	49,782,800	120,870,137	77,799,517	...	...	...	248,452,454	1
<i>Government Department</i>														
1	Southland ¹	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>Power Boards and Related Authorities</i>														
1	Ashburton	(2,950)	2,281,583	678,028	2,956,661	1,127,242	737,010	1,627,635	592,016	...	10,423,089	...	2,956,661	1
2	Auckland	...	24,602,651	4,063,191	28,665,842	321,144	498,466	13,650,000	3,465,511	...	...	...	28,665,842	2
3	Bay of Islands	...	1,917,918	385,409	2,303,327	53,842	...	446,085	1,037,632	...	...	...	2,303,327	3
4	Bay of Plenty	...	1,819,033	768,161	2,640,737	8,801	16,004	1,482,668	970,631	88,131	45,465	...	2,640,737	4
5	Buller	...	143,516	81,409	224,925	...	...	87,566	112,554	...	...	...	224,925	5
6	Cambridge	...	854,409	845,120	1,699,529	14,081	...	780,293	282,395	616,735	6,025	...	1,699,529	6
7	Central Canterbury	...	3,356,479	1,503,335	4,859,814	246,696	...	3,083,657	1,394,200	...	135,261	...	4,859,814	7
8	Central Hawke's Bay	...	545,046	78,760	623,806	33,515	...	365,806	224,485	...	...	...	623,806	8
9	Central Waikato	...	3,878,866	1,166,079	5,044,945	335,554	...	2,634,551	1,674,840	400,000	...	...	5,044,945	9
10	Dannevirke	...	836,935	169,094	1,006,029	...	...	594,607	300,344	111,078	...	...	1,006,029	10
11	Egmont	...	1,593,721	353,199	2,550,146	20,000	25,749	503,721	1,940,301	...	60,375	...	2,550,146	11
12	Franklin	...	1,489,052	1,128,599	2,617,651	107,759	135,145	1,273,553	361,682	713,039	26,473	...	2,617,651	12
13	Hawke's Bay	...	5,429,262	2,209,184	7,638,446	74,181	...	4,958,810	1,483,208	1,122,247	...	...	7,638,446	13
14	Horowhenua	...	2,135,062	684,120	2,819,182	227,273	362,500	2,229,409	...	...	...	...	2,819,182	14
15	Hutt Valley	...	3,950,314	4,327,920	8,278,234	301,594	1,173,851	5,600,080	...	1,202,789	...	...	8,278,234	15
16	King Country	...	667,240	122,980	790,220	342,963	...	125,469	321,788	...	...	...	790,220	16
17	Manawatu-Oroua	...	2,574,769	1,111,885	3,686,654	167,161	...	2,003,096	1,341,111	151,400	23,886	...	3,686,654	17
18	Marlborough	...	851,822	1,429,702	2,281,524	364,945	285,451	1,124,266	898,181	...	...	...	2,281,524	18
19	North Auckland	...	3,715,170	765,740	4,480,910	360,366	995,366	2,242,882	811,221	...	71,075	...	4,480,910	19
20	North Canterbury	...	2,542,524	255,022	2,797,546	422,186	150,000	1,353,525	871,835	...	...	...	2,797,546	20
21	Otago	...	786,326	514,079	1,300,405	54,529	732,000	1,134,886	121,308	20,394	...	...	1,300,405	21
22	Otago Central	...	66,333	852,767	919,100	645,022	...	1,851,512	622,447	...	...	...	919,100	22
23	Poverty Bay	...	2,167,595	1,692,098	3,859,693	30,662	361,475	2,058,081	3,396	54,870	...	...	3,859,693	23
24	Rotorna	...	227,595	2,167,530	2,395,125	100,222	...	1,893,861	759,856	...	...	...	2,395,125	24
25	South Canterbury	...	2,301,723	427,709	2,729,432	171,396	...	1,966,781	534,825	56,430	...	...	2,729,432	25
26	Taranaki	...	17,880	2,036,179	2,054,059	186,755	...	1,294,166	950,698	...	...	...	2,054,059	26
27	Taranaki	...	...	658,154	77,780	18,862	...	588,845	128,227	...	...	...	77,780	27
28	Tasman	...	...	4,549,500	970,416	435,366	1,454,000	2,026,806	1,540,222	...	63,522	...	5,519,916	28
29	Tauranga ³	...	14,698,459	4,640,332	19,338,791	459,786	875,000	2,843,848	725,869	...	25,951,393	...	30,855,896	29
30	Te Awamutu	...	...	805,969	1,848,809	22,000	...	562,467	406,311	...	...	...	1,848,809	30
31	Thames Valley	...	4,669,205	726,651	5,395,856	291,323	600,000	2,637,956	1,835,409	...	31,168	...	5,395,856	31
32	Wairarapa	...	1,810,108	417,623	2,227,731	21,283	600,000	1,218,381	393,935	...	...	...	2,227,731	32
33	Waikato	...	4,484,264	1,352,111	5,836,375	68,172	5,848,266	83,891	120,033	...	50,810	...	6,103,000	33
34	Waikato	...	...	403,686	1,511,076	172,746	2,531,150	650,786	687,544	...	...	...	1,511,076	34
35	Waitemata	...	...	2,175,043	11,908,878	997,156	...	5,225,429	2,796,360	358,783	...	...	11,908,878	35
36	Waitemata	...	89	574,818	1,834,340	45,522	833,904	1,197,810	887,924	6,974	60,016	...	1,834,340	36
37	Wangaimu-Rangitikei	...	949,122	1,059,701	2,485,153	68,172	400,000	1,831,755	1,044,202	200,000	143,688	...	2,485,153	37
38	West Coast	...	23,732,072	109,488,940	44,348,223	177,569,235	8,293,491	74,099,974	33,356,348	5,148,914	37,167,510	...	177,569,235	38

TABLE III—ANALYSIS OF CAPITAL EXPENDITURE FOR THE YEAR ENDED 31 MARCH 1986—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			
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		
<i>Territorial Authorities</i>														
1	Bluff	..	5,809	11,132	16,941	..	..	16,941	..	..	..	..	16,941	1
2	Christchurch	..	6,085,071	3,338,034	9,423,105	..	..	5,906,976	3,516,129	..	..	..	9,423,105	2
3	Dunedin	..	1,835,704	406,852	2,479,710	26,771	..	928,909	..	1,524,030	..	..	2,479,710	3
4	Hamilton	..	827,661	48,090	875,751	..	..	875,751	..	..	..	..	875,751	4
5	Heathcote	..	207,860	51,715	259,575	..	..	227,500	..	32,075	..	..	259,575	5
6	Invercargill	..	941,017	267,682	1,208,699	..	486,166	279,870	408,587	..	34,076	..	1,208,699	6
7	Kaipoi	..	181,131	18,740	199,871	..	..	199,871	..	..	..	..	199,871	7
8	Lytelton	..	291,973	..	291,973	..	..	291,973	..	..	..	..	291,973	8
9	Napier	..	504,654	286,125	790,779	..	..	440,668	350,111	..	..	..	790,779	9
10	Nelson	..	785,609	131,072	916,681	..	474,534	180,421	261,726	..	..	..	916,681	10
11	New Plymouth	..	3,821	1,078,552	1,28,259	28,588	..	1,216,858	965,186	..	..	..	2,210,632	11
12	Palmerston North	..	1,412,612	176,171	1,588,783	138,857	733,516	404,260	312,150	..	..	..	1,588,783	12
13	Riccarton	..	509,464	61,666	571,130	..	90,537	480,593	..	..	..	..	571,130	13
14	Taumarunui	..	43,494	48,865	92,359	..	..	61,015	..	31,344	..	..	92,359	14
15	Taupo	..	99,452	2,033,780	303,022	246,865	600,000	1,087,634	434,755	67,000	..	..	2,436,254	15
16	Tauranga	..	1,271	370,108	183,460	554,839	..	554,239	..	..	600	..	554,839	16
17	Thames-Coromandel	..	117,533	16,670	134,203	7,162	..	70,759	56,302	..	..	..	134,203	17
18	Timaru	..	1,144,941	164,126	1,309,067	..	15,944	831,337	..	461,786	..	..	1,309,067	18
19	Wairoa	..	278,192	51,256	329,448	..	160,000	65,538	67,410	..	..	..	329,448	19
20	Wellington	..	1,981,578	997,726	2,979,304	43,210	..	2,613,119	..	322,975	..	..	2,979,304	20
21	Whakatane	..	394,687	30,524	425,211	..	..	288,584	136,627	..	..	..	425,211	21
22	Whangarei	..	1,067,233	165,446	1,232,679	..	..	1,232,679	..	..	..	..	1,232,679	22
	GRAND TOTALS	..	385,192	22,104,054	7,837,768	30,327,014	491,453	2,560,697	6,508,983	2,475,710	34,676	..	30,327,014	
		..	196,767,459	174,032,104	85,549,140	456,348,703	8,784,944	71,846,495	213,225,606	117,664,848	7,624,624	37,202,186	456,348,703	

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.

ELECTRICITY DIVISION ONLY
TABLE IV—GENERATION FOR PUBLIC SUPPLY YEAR ENDED 31 MARCH 1986

Station	Maximum Load kW	Units Generated kWh	Annual Load factor %	Availability Factor %	Station Type and Fuel Used
NORTH ISLAND THERMAL:					
Hundley ¹	617 700	3 012 788 200	55.68	62.10	steam turbine, natural gas or coal
Marsden	230 100	37 112 200	1.84	65.78	steam turbine, residual oil
Meremere	67 800	130 186 000	21.92	22.91	steam turbine, coal
New Plymouth	576 000	2 381 439 200	47.20	71.06	steam turbine, natural gas or residual oil
Otauhu	123 200	117 281 000	10.87	49.97	gas turbine, natural gas or distillate oil
Stratford	216 100	506 782 000	26.77	82.69	gas turbine, natural gas
Whirinaki	221 200	3 195 600	0.16	95.02	gas turbine, natural gas
Wairakei	141 000	1 109 078 600	89.79	81.13	geothermal
		<u>7 297 862 800</u>			
NORTH ISLAND HYDRO:					
Arapuni	153 700	801 056 000	59.50	90.13	
Aratuaia	85 300	324 512 000	43.43	91.68	
Aunamuri	82 600	285 824 600	39.50	90.32	
Karapiro	92 700	486 184 000	59.87	75.71	
Mangahao	20 500	88 779 400	49.44	94.91	
Matuhina	74 600	291 447 400	44.60	95.43	
Marataia	326 500	786 469 700	27.50	85.36	
Ohakuri	114 000	394 941 100	39.55	92.66	
Rangipo	121 800	406 722 400	38.12	69.05	
Tokaanu	218 800	692 398 900	36.12	91.50	
Waikaremoana:					
Tuai		269 893 400		88.95	
Piripaua	135 200	177 598 600	49.86	85.30	
Ka-tawa		143 008 500		83.28	
Waipapa	52 300	241 191 000	52.64	71.82	
Whakamaru	108 800	489 305 000	51.34	93.46	
		<u>5 879 332 000</u>			
SOUTH ISLAND HYDRO:					
Arnold	3 300	21 044 730	72.80	80.12	
Aviemore	241 400	863 401 600	40.83	91.83	
Benmore	567 000	2 140 387 700	43.09	95.61	
Cobb	33 000	177 446 300	61.38	54.99	
Coleridge	36 200	175 819 700	55.44	81.15	
Highbank	27 700	97 738 200	40.28	79.28	
Manapouri	592 400	3 742 131 000	72.11	86.68	
Monowai	6 900	28 812 924	47.67	...	
Ohau A	258 700	1 122 551 000	49.53	90.65	
Ohau B	209 900	892 633 000	48.55	89.76	
Ohau C ¹	164 100	716 232 000	49.82	92.04	
Roxburgh	329 800	1 557 501 000	53.91	93.03	
Tekapo A					
Tekapo B	157 900	807 157 000	58.35	90.50	
Wairakei	94 900	465 584 800	56.01	80.81	
		<u>12 808 440 934</u>			
		<u>25 985 635 734</u>			
TOTAL ELECTRICITY DIVISION:					

¹Commissioning completed during year.

TABLE V—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1986

No.	Supply Authorities	Source of Supply ¹	Capacity of Generating Plant			Static Head in Metres	Generation	Voltages		Distribution Substations		Circuit-kilometres of Lines	No.
			Hydro	Steam	Oil/Gas			Total Capacity	Transmission	Distribution ²	Number			kVA
			kW	kW	kW	kW							
1 North Island													
	Electricity Division ¹												
1	North Island	G.	...	...	...	4 357 000	...	...	500 000 D.C. 220 000 110 000 33 000	33 000; 11 000	234	8 883 100	9 605
	Arapua		156 000	...	...	...	53	11 000					
	Aratua		84 000	...	...	...	34	11 000					
	Alumun		81 000	...	...	...	25	11 000					
	Huntly		...	948 000	...	...	...	16 500					
	Karapiro		96 000	...	...	...	30	11 000					
	Mangahao		20 000	...	...	...	273	11 000					
	Maraetau		360 000	...	...	...	61	11 000					
	Marsden		...	230 000	...	...	...	14 400					
	Matahina		72 000	...	...	...	61	11 000					
	Meremere		...	...	...	...	...	11 000					
	New Plymouth		...	170 000	...	...	...	13 800					
	Ohakuri		112 000	...	...	...	35	11 000					
	Ohauhu		...	600 000	...	...	...	11 000					
	Rangipo		120 000	...	259 000	...	...	11 000; 11 500					
	Stratford		...	...	...	...	206	11 000					
	Tokaanu		200 000	...	208 000	...	208	11 000					
	Waikaremoana		...	...	...	...	...	11 000					
	Kaitiawa		32 000	...	...	...	135	6 000					
	Firipaua		40 000	...	...	...	113	11 000					
	Tuau		56 000	...	...	...	206	11 000					
	Waipapa		51 000	...	...	...	16	11 000					
	Wairakei		...	146 000	...	...	...	11 000					
	Whakamaru		100 000	...	...	...	38	11 000					
	Whirinaki		...	...	216 000	...	...	11 000					
2	South Island	G.	...	...	...	2 768 960	...	...	500 000 D.C. 220 000 110 000 66 000	33 000; 11 000; 6 600; 6 350	8 014	4 114 698	15 868 ²
	Arnold		3 060	...	...	...	13	3 300					
	Aviemore		240 000	...	...	...	37	11 000					
	Benmore		540 000	...	...	...	92	16 000					
	Cobb		32 000	...	...	...	594	6 600					
	Coleridge		34 500	...	...	...	149	6 600					
	Highbank		25 200	...	...	...	101	11 000					
	Manapouri		590 000	...	...	...	177	13 800					
	Monowai		6 000	...	...	...	47	6 600					
	Ohau "A"		264 000	...	...	...	58	13 200					
	Ohau "B"		212 000	...	...	...	48	11 000					
	Ohau "C"		212 000	...	...	...	48	11 000					
	Roxburgh		320 000	...	...	...	46	11 000					
	Tekapo "A"		25 200	...	...	...	30	11 000					
	Tekapo "B"		160 000	...	...	...	146	11 000					
	Waitaki		105 000	...	...	...	21	11 000					
			4 348 960	2 094 000	683 000	7 125 960	8 248	12 997 798	25 472 ²				

TABLE V—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1986—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 ¹	Number			kVA
			kW	kW	kW	kW	kV	kV	kV				
<i>Government Department</i>													
1	Southland	G.	6 000	...	...	47	6 000	66 000	33 000; 11 000; 6 600; 6 350	...	7 906	572 548	8 101
<i>Power Boards and Related Authorities</i>													
1	Ashburton	I & G.	1 900	...	...	7	1 900	...	33 000; 11 000	...	3 463	219 529	3 542
2	Auckland	G.	...	...	...	...	...	110 000	33 000; 22 000; 11 000; 6 600	...	6 827	3 811 074	7 554
3	Bay of Islands	G.	...	...	...	...	...	110 000	33 000; 11 000; 6 350	...	3 486	229 348	4 247
4	Bay of Plenty	I. & G.	25 375	...	...	38; 9	25 375	11 000; 415	33 000; 11 000	...	2 250	241 039	2 092
5	Buller	I. & G.	...	...	297	...	297	3 300	33 000; 11 000	...	437	43 953	713
6	Cambridge	G.	...	...	...	...	...	...	11 000	...	980	61 170	1 032
7	Central Canterbury	G.	...	...	...	...	...	...	33 000; 11 000	...	4 891	514 526	3 666
8	Central Hawke's Bay	G.	...	...	...	...	...	...	33 000; 11 000	...	1 623	90 457	2 178
9	Central Waikato	G.	...	...	...	...	...	...	33 000; 11 000	...	3 082	456 308	4 912
10	Dannevirke	G.	...	...	...	...	...	...	11 000; 6 600	...	1 168	51 852	1 034
11	Egmont	I. & G.	32 460	...	...	15; 62	32 460	11 000; 6 600; 400	33 000; 11 000	...	1 475	79 848	1 834
12	Franklin	G.	...	...	...	...	...	...	33 000; 11 000	...	1 971	258 818	2 873
13	Hawke's Bay	G.	...	...	...	...	...	...	33 000; 11 000	...	3 615	701 800	4 601
14	Horowhenua	G.	...	...	...	...	...	...	33 000; 11 000; 3 300	...	1 908	236 551	1 732
15	Hutt Valley	G.	...	...	...	...	...	...	33 000; 11 000	...	2 769	926 198	2 238
16	King Country	I. & G.	6 000	...	...	67	6 000	6 600	33 000; 11 000; 6 600	...	1 504	97 414	2 396
17	Manawatu-Oroua	G.	...	...	...	...	...	11 000; 3 300; 6 600	33 000; 11 000	...	2 206	340 188	2 643
18	Marlborough	I. & G.	12 000	...	1 330	21; 30; 42	13 330	11 000; 3 300; 6 600	33 000; 11 000; 6 600	...	2 269	231 059	2 763
19	North Auckland	G.	...	...	...	...	...	...	33 000; 11 000	...	4 152	657 971	4 711
20	North Canterbury	G.	...	...	...	...	...	...	33 000; 11 000	...	4 218	190 329	4 373
21	Otago	I. & G.	12 250	...	...	132; 30	12 250	11 000	66 000; 33 000; 22 000; 11 000; 6 600; 6 350	...	3 404	228 757	4 609
22	Otago Central	I. & G.	15 976	...	...	310; 300; 244; 206; 125; 117; 91; 74; 64	15 976	6 600; 3 300; 2 400; 415; 400	33 000; 11 000; 6 600	...	1 936	114 394	2 507
23	Poverty Bay	G.	...	...	...	...	...	...	50 000; 11 000	...	2 386	190 681	2 819
24	Ratona	I. & G.	27 200	...	...	126; 32	27 200	11 000	110 000; 33 000; 11 000	...	1 654	132 614	1 847
25	South Canterbury	G.	...	...	...	...	...	...	33 000; 22 000; 11 000	...	3 991	259 314	3 331
26	Taranaki	I. & G.	4 800	...	...	99	4 800	6 600	33 000; 11 000; 6 600	...	1 914	225 502	2 506
27	Tararua	I. & G.	200	...	...	115	200	400	33 000; 11 000	...	1 190	43 499	1 388
28	Tasman	I. & G.	43 800 ^a	...	...	151; 85; 34; 25	43 800 ^a	11 000; 3 300	33 000; 11 000; 6 600	...	2 847	317 071	3 258
29	Tauranga	I. & G.	...	...	...	...	...	...	33 000; 11 000; 6 300	...	3 562	425 326	3 778 ^a
30	Te Awamutu	G.	...	...	...	...	...	...	11 000	...	1 345	71 971	1 290
31	Thames Valley	G.	...	...	...	...	...	...	66 000; 33 000; 11 000	...	4 872	513 450	7 055
32	Wairarapa	I. & G.	770	...	...	88; 131	770	3 300	33 000; 11 000; 3 300	...	3 035	252 739	2 992
33	Waioata	I. & G.	5 000	...	...	100	5 000	6 600	50 000; 11 000	...	720	41 303	1 067
34	Waikato	G.	...	...	6 000	...	...	11 000	33 000; 11 000	...	1 921	175 036	1 851
35	Waitemata	I. & G.	...	...	...	...	...	...	110 000; 33 000; 11 000	...	8 314	1 562 686	8 917
36	Waitomo	I. & G.	6 478	...	...	20; 41	6 478	11 000; 3 300; 500; 400	33 000; 33 000; 22 000; 11 000; 6 600	...	2 611	133 713	2 872
37	Wanganui-Rangitikei	I. & G.	346	...	375	116	346	6 600; 3 300	33 000; 22 000; 11 000; 6 600	...	3 325	247 160	4 257
38	West Coast	I. & G.	13 166	...	...	46; 33; 33; 13	13 166	2 300; 2 200; 415; 420	66 000; 33 000; 11 000	...	1 386	87 987	1 927
			207 721	...	8 082	...	215 723	...	...	...	104 707	14 444 632	119 405

TABLE V—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC.,
FOR THE YEAR ENDED 31 MARCH 1986—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.	...	...	...	...	...	...	...	...	...	...	...
2	Christchurch	G.	...	...	...	...	...	...	...	...	...	...	...
3	Dunedin	L. & G.	78 427	...	...	78 427	...	...	...	...	...	...	...
4	Hamilton	G.	...	...	...	...	...	...	...	...	...	...	...
5	Heathcote	G.	...	...	...	...	...	...	...	...	...	...	...
6	Invercargill	B.	...	...	...	...	...	...	...	...	...	...	...
7	Kaipoi	B.	...	...	...	...	...	...	...	...	...	...	...
8	Lyttelton	G.	...	...	...	...	...	...	...	...	...	...	...
9	Nepier	B.	...	...	...	...	...	...	...	...	...	...	...
10	Nelson	B.	...	...	...	...	...	...	...	...	...	...	...
11	New Plymouth	L. & G.	4 400	...	...	4 400	...	...	...	...	...	...	...
12	Palmerston North	L. & B.	...	1 900	...	1 900	...	...	...	...	...	...	...
13	Riccarton	G.	...	...	...	...	...	...	...	...	...	...	...
14	Tauranunu	L. & B.	1 430	...	...	1 430	...	...	...	...	...	...	...
15	Taupo	L. & G.	6 650	...	...	6 650	...	...	...	...	...	...	...
16	Tauranga	L. & B.	640	...	...	640	...	...	...	...	...	...	...
17	Thames-Coromandel	B.	...	...	...	...	...	...	...	...	...	...	...
18	Timaru	B.	...	...	...	...	...	...	...	...	...	...	...
19	Weirua	B.	...	...	...	...	...	...	...	...	...	...	...
20	Wellington	G.	...	...	...	...	...	...	...	...	...	...	...
21	Whakatane	B.	...	...	...	...	...	...	...	...	...	...	...
22	Whangarei	B.	...	...	...	...	...	...	...	...	...	...	...
			91 547	...	1 900	93 447	...	...	...	...	...	...	...
GRAND-TOTALS			4 648 228	2 094 000	692 902	7 435 130	...	...	...	...	...	...	156 1027

NOTES: (G. = Government supply, B. = Bulk supply from another authority, I. = Independent supply (own generation).
¹Low tension predominantly 400/230 volts, 50 Hertz. ²Includes Southland Electric Power Supply. ³Shown separately but included with the Electricity Division. ⁴Operated by Tauranga Joint Generation Committee, jointly owned by Tauranga Electric Power Board and Tauranga City Council. ⁵Includes 42 circuit-kilometres of lines owned by Tauranga Joint Generation Committee. ⁶Includes 40 kilometres of submarine cable (inter-island H.V.D.C.).

TABLE VI—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION, FOR THE YEAR ENDED 31 MARCH 1986

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 Resale	Sold		Non-Productive ⁶	Percentage Non-Productive ⁷		
				Hydro	Steam	Oil/Gas				Domestic	Non-domestic				
				kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
1	Electricity Division ¹	4 450 700	66.71	18 687 772 954	6 670 604 200	627 258 600	22 486 939	26 008 122 693	18 910 629 832	224 807 742	5 161 530 826	1 711 154 293	6.58		
1	Government Department	155 170	50.61	28 812 924	...	...	659 089 764	687 902 688	250 644 232	206 154 083	194 424 896	36 679 477	8.39	5 839
<i>Power Boards and Related Authorities</i>															
1	Ashburton	35 550	52.94	8 973 400	...	...	155 877 910	164 851 310	...	...	71 152 889	12 035 615	7.30	6 137
2	Auckland	648 845	60.09	...	...	...	3 415 680 933	3 415 680 933	...	...	1 950 678 244	131 357 610	3.85	6 207
3	Bay of Islands	38 145	61.82	...	...	...	206 575 371	206 575 371	...	...	87 371 872	17 918 669	8.67	3 989
4	Bay of Plenty	74 578	72.39	129 370 600	...	...	343 539 568	472 910 168	39 157 074	93 330 791	328 209 207	12 213 096	2.82	10 699
5	Buller	12 608	77.66	...	...	...	85 773 871	85 773 871	...	...	64 544 343	4 070 359	4.75	9 511
6	Cambridge	15 765	64.14	...	...	...	88 578 763	88 578 763	...	...	42 471 880	6 588 612	7.44	5 540
7	Central Canterbury	80 701	62.39	...	...	...	441 034 389	441 034 389	384 170	140 373 212	270 352 620	29 924 387	6.79	8 871
8	Central Hawke's Bay	14 687	65.86	...	...	...	84 731 038	84 731 038	...	...	33 099 832	6 110 616	7.21	5 979
9	Central Waikato	99 073	55.99	...	...	...	485 945 370	485 945 370	59 110	239 383 163	213 700 583	32 800 514	6.75	4 064
10	Dannevirke	12 660	63.54	...	...	...	70 466 936	70 466 936	...	...	37 095 083	3 688 431	5.23	5 496
11	Egmont	39 393	61.92	107 695 067	...	...	105 972 342	213 667 309	9 696 554	66 996 270	129 754 564	7 219 921	3.54	8 302
12	Franklin	48 367	58.01	...	...	...	245 769 908	245 769 908	5 590	123 459 147	103 265 374	4 743	11	12
13	Hawke's Bay	189 723	67.33	...	...	...	1 118 945 422	1 118 945 422	77 958 910	287 563 002	716 161 241	37 262 269	3.58	9 541
14	Horowhenua	57 523	54.14	...	...	...	272 833 293	272 833 293	...	...	90 179 106	23 777 251	8.71	4 257
15	Hutt Valley	221 345	50.30	...	...	...	975 323 341	975 323 341	...	...	544 872 761	42 984 391	4.41	4 433
16	King Country	97 776	68.38	24 068 700	...	...	321 993 546	346 062 246	15 813 960	46 051 236	275 817 551	8 379 499	2.54	20 307
17	Manawatu-Oroua	97 251	57.24	...	...	...	487 636 537	487 636 537	184 173 700	131 479 102	135 865 607	16 118 128	5.31	5 473
18	Marlborough	35 482	59.10	64 003 104	...	7 480	119 699 053	183 709 637	45 993	97 976 757	72 853 190	12 833 697	6.99	4 923	
19	North Auckland	76 618	71.62	...	...	...	480 713 262	480 713 262	94 385 381	149 541 993	215 271 076	21 514 812	5.57	6 111
20	North Canterbury	40 716	62.76	...	...	...	223 843 025	223 843 025	21 391 424	96 602 336	94 606 450	11 242 815	5.55	5 657
21	Otago	33 188	56.22	42 981 000	...	...	120 479 309	163 460 309	278 677	87 176 794	66 791 584	9 213 254	5.65	6 362
22	Otago Central	42 585	54.83	83 689 650	...	...	120 844 472	204 534 122	10 037	96 844 492	90 512 586	17 167 007	8.39	7 151
23	Poverty Bay	43 519	58.86	...	...	...	224 399 126	224 399 126	...	...	94 107 381	14 079 626	6.27	4 992
24	Rotorua	63 862	53.43	93 146 020	...	...	205 745 548	298 891 568	709 929	146 575 611	127 302 280	24 303 748	8.15	4 368
25	South Canterbury	68 186	61.84	...	...	...	369 382 122	369 382 122	119 276 260	129 478 898	112 382 252	8 244 712	3.30	6 331
26	Taranaki	45 327	59.49	20 692 185	...	...	215 514 694	236 206 879	...	...	141 958 451	14 114 635	5.98	7 685
27	Taranaki	9 259	62.61	...	...	...	50 784 150	50 784 150	...	...	23 224 431	4 509 523	8.88	5 887
28	Tasman	76 052	59.70	...	...	...	397 754 011	397 754 011	112 342 720	141 438 184	127 405 101	16 568 006	5.80	5 092
29	Tauranga	84 090	57.44	161 394 200*	...	...	261 757 307	423 151 507	55 877 676	202 473 308	131 712 212	33 086 311	9.01	4 188
30	Tc Awamutu	19 852	62.11	...	...	...	108 005 735	108 005 735	12 210	56 277 537	43 476 992	8 238 996	7.63	4 773
31	Thames Valley	186 527	68.45	...	...	...	1 118 441 997	1 118 441 997	31 050 660	811 692 385	38 093 738	11 418	3.50	11 418
32	Waikato	38 793	59.41	3 119 160	...	...	198 782 214	201 901 374	...	...	81 603 182	6 058 655	3.00	5 250
33	Waikato	12 919	52.56	4 494 140	...	...	54 989 142	59 483 282	21 041 506	15 259 460	20 404 190	2 778 126	7.23	6 391
34	Waikato	27 622	60.18	...	...	...	145 610 418	145 610 418	...	...	68 184 576	4 169 238	2.86	6 459
35	Waitemata	293 646	50.26	...	...	132 600	1 292 701 490	1 292 834 090	...	...	401 241 841	87 818 261	6.79	3 861
36	Waitemata	28 261	51.77	22 868 600	...	...	105 301 711	128 170 311	...	...	56 533 530	12 407 361	9.68	5 937
37	Wairarapa-Rangitikei	71 596	58.41	1 022 400	...	...	365 318 604	366 341 204	...	...	180 712 919	20 592 934	5.62	4 563
38	West Coast	28 093	52.08	50 155 094	...	116 100	77 891 685	128 162 879	126 338	49 145 718	66 175 393	12 715 430	9.93	4 402	
		...	...	817 673 320	...	256 180	15 164 637 713	15 982 567 213	783 797 879	6 442 584 436	7 964 941 848	791 243 050	5.21	5 855

TABLE VI—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION, FOR THE YEAR ENDED 31 MARCH 1986—continued

No.	Supply Authorities	Maximum Load kW	Annual Load Factor %	Electricity										kWh Sold (Average) Per Head of Population ⁵	No.
				Generated			Generated and Purchased kWh	In Bulk for Resale kWh	Sold		Non-Productive ⁶ kWh	Percentage Non-Productive ¹ %			
				Hydro kWh	Steam kWh	Oil/Gas kWh			Retail to Consumers						
									Domestic kWh	Non-domestic kWh					
Territorial Authorities															
1	Bluff	3 984	50.93	...	17 774 232	...	17 774 232	...	7 006 622	9 122 506	1 645 104	9.26	6 350	1	
2	Christchurch	345 254	47.97	...	1 450 668 172	...	1 450 668 172	...	842 109 173	542 692 014	65 866 540	4.54	5 539	2	
3	Dunedin	169 500	50.37	150 904 250	597 011 337	...	747 915 387	...	389 969 433	304 704 290	53 241 864	7.12	6 309	3	
4	Hamilton	34 848	44.55	...	135 991 336	...	135 991 336	...	52 130 611	81 378 521	2 462 204	1.81	6 042	4	
5	Hastings	12 004	51.36	...	54 008 560	...	54 008 560	...	25 600 510	27 870 360	537 690	1.00	7 416	5	
6	Invercargill	53 700	49.50	...	232 870 000	...	232 870 000	...	122 723 679	86 832 002	11 185 719	5.07	5 694	6	
7	Kaipoi	4 992	48.92	...	21 391 424	...	21 391 424	...	13 752 790	7 189 210	449 424	2.10	4 231	7	
8	Lytelton	3 888	49.36	...	16 811 014	...	16 811 014	...	9 563 647	6 462 448	784 919	4.67	5 980	8	
9	Napier	16 290	54.63	...	77 958 910	...	77 958 910	...	31 565 801	43 439 186	2 953 923	3.79	6 438	9	
10	Nelson	22 944	55.89	...	112 342 720	...	112 342 720	...	48 143 329	58 118 938	6 080 453	5.41	6 214	10	
11	New Plymouth	56 182	57.82	18 638 800	265 920 049	...	265 920 049	...	135 983 081	135 177 721	13 398 047	4.71	5 145	11	
12	Palmerston North	40 780	51.56	...	184 173 700	...	184 173 700	...	97 297 798	74 033 260	12 842 642	6.97	4 273	12	
13	Riccarton	12 176	45.82	...	48 877 150	...	48 877 150	...	23 090 411	23 035 427	2 751 312	5.63	6 380	13	
14	Taurarunui	4 812	48.78	4 747 313	15 813 960	...	15 813 960	...	10 847 386	8 932 740	773 207	3.76	5 008	14	
15	Taupo	27 630	58.56	25 660 440	116 084 160	...	116 084 160	...	52 885 189	82 646 496	6 212 915	4.38	6 845	15	
16	Tauranga	15 600	41.66	1 052 420	55 877 676	...	56 930 096	...	16 799 730	37 327 324	2 803 142	4.92	9 718	16	
17	Thames-Coromandel	7 820	45.19	...	30 954 000	...	30 954 000	...	14 884 690	14 451 776	1 617 534	5.23	4 770	17	
18	Timaru	23 988	56.76	...	119 276 260	...	119 276 260	...	58 568 938	55 636 624	5 070 678	4.25	6 224	18	
19	Wairoa	4 551	52.78	...	21 041 506	...	21 041 506	...	12 867 388	6 540 138	1 633 980	7.77	3 813	19	
20	Wellington	189 820	49.53	...	823 608 503	...	823 608 503	...	381 343 047	403 319 934	38 945 522	4.73	6 672	20	
21	Whakane	8 390	53.28	...	39 157 074	...	39 157 074	...	22 268 688	14 229 944	2 658 442	6.79	4 069	21	
22	Whangarei	20 539	52.46	...	94 385 381	...	94 385 381	...	43 342 468	45 648 874	5 394 039	5.71	4 944	22	
				...	201 003 223	...	4 531 997 124	...	12 136 985	2 412 764 429	2 068 789 633	5.07	5 830		
Sundry Private Plants				...	117 180	...	12 439 900	...	12 557 080	...	...	...	...	...
				...	19 706 566 677	...	6 683 044 100	...	627 514 780	...	9 080 156 607	15 195 262 307	2 741 706 643	10.15 ²	
GRAND TOTALS				...	27 017 125 557	...	27 017 125 557	...	27 017 125 557	...	...	...	...	...

Electricity generated per head of mean population: 8 235 kWh. Maximum load for public supply: 4 715 600 kW.
 Electricity sold retail per head of mean population: 7 399 kWh. Annual load factor, New Zealand: 65.40 percent.

Electricity generated per head of total population: 8 168 kWh. Electricity generated per head of mean population: 8 235 kWh.
 Electricity sold retail per head of total population: 7 339 kWh. Electricity sold retail per head of mean population: 7 399 kWh.

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 part in bulk for resale to Tauranga C.C. ⁴Lloyd Mandeno, Lower Mangapapa, McLaren Falls, and Ruahiti stations of the T.J.G.C. ⁵Percentage calculated on generated plus purchased less bulk for resale, except for the Electricity Division. ⁶Includes own use, losses on transmission and distribution, also losses on bulk supply to other supply authorities.

TABLE VII (PART I)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1986

No.	Supply Authorities	Domestic				Commercial				Farming				Average kWh per Consumer	No.
		Electricity Consumed kWh	Income \$	Income per kWh Sold c	Average kWh per Consumer	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Average kWh per Consumer	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Average kWh per Consumer			Number
1	Electricity Division ¹	224 807 742	13,536,064	6.021	8 707	84 330 018	7,732,588	9,169	3 798	22 204	12 052 875	753,670	6,253	4 589	2 626
	<i>Government Department</i>														
1	Southland ²	206 154 083	13,160,503	6.384	8 486	75 269 454	7,147,660	9,496	3 770	19 965	753,670	6,253	4 589	2 626	
	<i>Power Boards and Related Authorities</i>														
1	Ashburton	81 662 806	5,347,803	6.549	8 492	27 941 372	3,001,012	10,740	1 480	18 879	2,153,613	8,305	2 170	11 950	
2	Auckland	1 333 643 079	75,789,344	5.683	7 195	1 234 828 417	101,172,987	8,193	26 764	46 138	5 923 800	7,002	461	12 850	
3	Bay of Islands	101 284 830	6,601,568	6.518	6 934	43 417 790	4,559,951	10,502	2 344	18 523	1,094,510	9,303	1 885	6 241	
4	Bay of Plenty	93 330 791	6,750,840	7.233	7 459	26 949 784	2,809,499	10,425	1 507	17 883	1,900,872	10,525	2 586	6 984	
5	Buller	17 159 169	1,090,086	6.353	5 276	6 769 903	727,992	10,753	480	14 104	139,425	9,733	243	5 895	
6	Cambridge	39 518 271	2,490,643	6.303	7 673	9 414 370	984,160	10,454	716	13 149	637,785	9,971	1 053	6 075	
7	Central Canterbury	140 373 212	7,768,370	5.534	7 899	68 416 652	5,516,141	8,063	1 368	50 012	3,151,482	8,512	3 192	11 599	
8	Central Hawke's Bay	45 520 590	2,805,879	6.164	8 724	10 259 307	980,603	9,558	684	14 999	396,102	12,910	973	3 153	
9	Central Waikato	239 385 163	17,689,715	7.390	37 553	78 017 530	7,388,546	9,470	2 822	27 646	3,103,994	9,433	3 771	8 726	
10	Dannevirke	37 095 083	2,269,709	6.119	4 564	9 169 882	995,618	10,857	700	13 100	4 828 165	11,077	1 058	4 563	
11	Edmonton	66 996 270	3,975,899	5.935	8 689	14 394 063	1,688,406	11,730	1 270	11 334	1,996,336	8,476	1 951	12 072	
12	Franklin	123 459 147	8,190,966	6.635	16 142	31 778 540	3,148,309	9,907	1 877	16 930	3,001,031	9,544	4 822	6 521	
13	Hawke's Bay	287 563 002	16,795,924	5.841	36 587	95 645 277	8,657,250	10,317	3 811	25 097	1,357,672	11,075	2 602	4 711	
14	Horowhenua	158 876 936	11,968,595	7.533	25 745	55 107 019	6,658,423	12,083	3 115	17 691	1,281,081	10,836	1 259	9 391	
15	Hutt Valley	544 872 761	31,897,899	5.854	70 675	203 493 490	23,218,720	11,410	6 608	30 795	1 216 359	11,865	2 233	5 455	
16	King Country	46 051 256	2,348,710	5.100	7 019	24 428 717	1,956,183	8,008	1 289	18 952	1 964 478	235,399	852	2 306	
17	Manawatu-Oroua	131 479 102	6,534,934	4.970	17 935	52 695 522	6,288,907	11,783	1 741	31 703	3,444 893	9,840,033	3 010	4 153	
18	Marlborough	97 976 757	6,490,462	6.624	13 018	42 385 357	4,332,724	10,222	1 802	23 521	6 130 085	8,480	1 388	4 416	
19	North Auckland	149 541 993	10,155,640	6.791	22 253	41 645 320	4,319,474	10,372	2 384	17 469	24 969 676	2,243,255	3 380	7 387	
20	North Canterbury	96 602 336	6,673,266	6.908	13 040	29 495 998	3,041,434	10,311	1 785	16 524	15 893 952	1,815,917	2 235	7 111	
21	Otago	87 176 794	5,940,421	6.814	7 995	29 967 862	2,159,193	7,205	1 778	16 855	6 795 145	541,680	2 256	3 012	
22	Otago Central	96 844 492	5,425,212	5.602	8 672	62 137 077	4,610,264	7,420	1 960	31 703	8 973 759	591,211	859	10 447	
23	Poverty Bay	116 212 119	8,064,914	6.940	16 305	37 570 774	4,575,743	12,179	2 476	16 282	6 808 730	871,037	2 643	2 576	
24	Raioara	146 575 611	8,405,009	5.734	20 571	78 617 458	7,485,522	9,521	2 908	27 035	10 928 517	1,062,053	1 449	7 542	
25	South Canterbury	129 478 898	7,731,134	5.971	15 226	30 457 704	3,416,914	11,219	1 399	21 771	13 755 883	1,065,200	1 744	12 460	
26	Taranaki	80 133 793	4,369,087	5.452	10 181	19 748 770	2,012,219	10,189	1 274	15 501	18 564 814	1,725,764	2 402	7 729	
27	Taranaki	23 050 196	1,706,287	7.402	3 472	4 180 668	522,569	12,500	487	8 585	3 946 398	509,692	1 528	2 583	
28	Tasman	141 438 184	8,293,089	5.863	19 168	35 373 170	4,049,698	11,449	1 834	16 987	11 531 700	1,344,039	2 151	5 361	
29	Tauranga	202 475 308	14,460,846	7.142	30 666	58 131 032	6,570,984	11,304	3 423	19 282	23 351 279	2,462,165	3 926	5 948	
30	Te Awamutu	56 277 537	3,511,856	6.240	7 333	16 807 688	1,479,682	8,804	946	17 767	16 820 338	1,503,298	2 398	7 014	
31	Thames Valley	237 605 214	16,036,288	6.749	37 865	70 393 362	7,220,078	10,257	5 028	14 000	61 727 840	5,923,786	9,597	5 483	
32	Waikato	114 239 537	8,315,283	7.279	14 021	36 230 702	3,568,488	9,849	1 852	19 563	14 012 791	1,772,432	1 983	7 066	
33	Waikato	15 259 460	1,065,054	6.980	2 305	2 576 280	313,542	12,170	336	7 668	1 159 150	170,982	1 710	1 633	
34	Waikato	73 256 604	4,109,916	5.610	8 858	27 608 026	2,464,038	8,925	1 260	21 911	12 662 897	878,620	6,939	1 101	
35	Waitemata	803 773 988	46,694,014	5.809	114 537	227 793 086	23,651,711	10,383	10 937	20 828	19 312 903	1,914,011	20 911	6 538	
36	Waitemata	56 533 530	3,890,792	6.882	7 416	15 911 974	1,581,511	9,939	1 198	13 282	11 297 492	1,060,413	2 662	4 244	
37	Waitemata	180 712 919	11,260,703	6.231	25 284	87 512 731	7,925,905	9,057	3 466	23 249	8 108 032	936,746	11,553	2 285	
38	West Coast	49 145 718	3,452,069	7.024	8 535	31 501 311	3,532,435	11,214	1 706	18 465	4 307 500	546,244	12,681	7 624	
		6 442 584 436	396,368,215	6.152	890 493	2 978 773 525	279,716,835	9,390	108 815	27 375	543 155 324	51,481,922	9,478	78 836	6 890

TABLE VII (PART I)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1986—continued

No.	Supply Authorities	Domestic				Commercial				Farming				No.	
		Electricity Consumed kWh	Income \$	Income per kWh Sold c	Average kWh per Consumer	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Average kWh per Consumer	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Average kWh per Consumer		Number
<i>Territorial Authorities</i>															
1	Bluff	7 006 622	470,328	6.713	938	7 470	7 674 363	7.171	184	41 710	...	...	...	1
2	Christchurch	842 109 173	41,685,149	4.950	95 537	8 814	328 253 014	9,054	10 516	31 215	3 150 525	9,377	262	12 025	
3	Dunedin	389 969 433	19,202,328	4.924	41 689	9 354	182 311 953	7,575	5 702	31 973	2 356 288	10,409	554	4 253	
4	Hamilton	52 150 611	3,468,161	6.650	8 990	5 801	56 691 791	11,068	2 691	21 067	...	...	...	4
5	Heathcote	25 600 510	1,330,715	5.198	2 415	10 601	17 541 130	6,266	93	188 614	1 572 550	5,757	51	30 834	
6	Invercargill	122 723 679	7,132,096	5.812	14 077	8 718	64 726 425	9,170	1 736	37 285	5 023	15,469	7	718	
7	Kaipoi	13 752 790	825,118	6.000	1 717	8 010	3 144 218	9,031	212	14 831	...	...	...	7
8	Lyttelton	9 563 647	497,155	5.198	1 134	8 434	4 545 772	9,754	149	30 509	...	...	...	8
9	Napier	31 565 801	1,952,790	6.186	4 427	7 130	32 311 034	10,751	1 185	27 267	...	...	...	9
10	Nelson	48 143 329	2,426,354	5.040	6 247	7 707	35 559 560	10,649	1 140	31 193	1 036 008	5,670	57	18 176	
11	New Plymouth	135 983 081	7,589,132	5.566	19 436	6 996	54 342 751	10,568	2 438	22 290	13 223 000	10,149	1 274	10 379	
12	Palmerston North	97 297 798	5,569,324	5.724	15 077	6 453	64 289 625	10,503	2 582	25 062	45 470	12,534	7	6 496	
13	Riccarton	23 090 411	1,125,005	4.872	2 861	8 071	17 594 491	9,905	526	33 450	...	...	...	12
14	Taumarunui	10 847 386	555,974	5.125	1 347	8 053	7 422 050	9,682	365	20 334	38 727	14,682	20	1 936	
15	Taupo	52 885 189	3,171,637	5.997	7 734	6 838	30 436 677	10,170	1 251	24 330	1 402 327	12,963	338	4 149	
16	Tauranga	16 799 730	906,884	5.398	2 518	6 672	27 479 150	10,777	1 236	22 232	...	...	...	16
17	Tiames-Coromandel	14 884 690	983,449	6.607	2 485	5 990	7 035 160	11,278	460	15 294	...	...	...	17
18	Timaru	58 568 958	3,295,897	5.627	7 224	8 108	36 898 658	8,395	1 333	27 681	...	...	...	18
19	Wairoa	12 867 388	864,469	6.718	1 732	7 429	5 692 699	11,111	274	20 776	216 960	6,306	1	216 960	
20	Wellington	381 343 047	17,533,852	4.598	45 354	8 408	323 755 513	9,237	6 777	47 773	47 947	11,077	16	2 997	
21	Whakatane	22 268 688	1,363,093	6.121	3 220	6 916	9 428 670	10,819	554	17 019	4 590	13,464	1	4 590	
22	Whangarei	43 342 468	2,501,985	5.773	6 417	6 754	36 906 553	10,165	1 530	24 122	36 331	9,240	7	5 190	
GRAND TOTALS		2 412 764 429	124,430,895	5.157	292 576	8 247	1 353 961 457	9,275	42 914	31 551	23 135 746	2,248,824	9,720	2 595	8 916
GRAND TOTALS		9 080 156 607	534,335,174	5.885	1 208 887	7 511	4 417 065 000	9,351	155 527	28 401	578 343 945	54,484,416	9,421	86 020	6 723

NOTES: ¹Includes Southland Electric Power Supply. ²Shown separately but included with Electricity Division. ³Includes 3 636 417 kWh used free of charge for irrigation.

TABLE VII (PART II)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1986

No.	Supply Authorities	Industrial					Non-Domestic					Total Retail Sales					
		Electricity Consumed kWh	Income per kWh Sold	Con- sumers	Average kWh per Consumer	Electricity Consumed kWh	Income per kWh Sold	Con- sumers	Average kWh per Consumer	Electricity Consumed kWh	Income per kWh Sold	Con- sumers	Average kWh per Consumer	Income per kWh Sold	Con- sumers	Average kWh per Consumer	
		\$	\$	Number	kWh	\$	\$	Number	kWh	\$	\$	Number	kWh	\$	Number	kWh	
(	Electricity Division ¹	5 054 757 550	131,525,202	177	28 557 952	5 161 530 826	140,943,088	8 681	594 578	5 386 338 568	154,479,152	2 868	34 499	156 130			
i	Government Department																
	Southland ²	105 979 951	8,821,318	171	619 766	194 424 896	16,824,228	8 653	22 490	400 578 979	29,984,731	7 485	32 939	12 161			
	Power Boards and Related Authorities																
1	Ashburton	16 037 879	1,395,794	21	763 709	71 152 889	6,677,763	9 385	19 372	152 815 695	12,025,566	7 869	13 289	11 499			
2	Auckland	677 151 532	38,344,280	1 287	526 147	1 950 678 244	142,044,156	7 282	68 351	3 284 323 323	217,833,500	6 633	213 892	15 355			
3	Bay of Islands	31 241 450	2,542,987	55	568 026	87 371 872	8,269,466	9 465	4 321	20 220	14,871,034	7 883	18 929	9 967			
4	Bay of Plenty	282 447 090	13,523,429	61	4 630 280	328 209 207	18,376,497	5 569	78 519	421 539 998	25,027,337	5 937	16 682	23 254			
5	Buller	56 008 033	2,606,179	59	949 289	64 544 343	3,493,731	5 413	82 327	81 703 512	4,383,817	5 610	4 036	20 244			
6	Cambridge	25 996 288	1,738,765	38	684 113	42 471 880	3,407,501	8 023	23 298	81 990 151	5,898,144	7 194	6 973	11 758			
7	Central Canterbury	163 228 888	11,060,145	343	475 886	270 352 620	19,817,165	7 330	54 805	410 725 832	27,585,535	6 716	22 703	18 091			
8	Central Hawke's Bay	19 326 225	1,302,824	54	357 893	33 099 832	2,723,371	8 228	1 713	78 620 422	5,529,250	7 033	6 931	11 343			
9	Central Waikato	100 511 264	7,276,710	214	469 679	213 700 583	17,939,286	8 395	31 344	453 085 746	35,629,001	7 864	44 351	10 216			
10	Dannevirke	15 341 246	1,182,930	41	343 329	29 683 422	2,737,790	9 223	16 445	66 778 505	5,007,499	7 499	6 369	10 485			
11	Egmont	91 055 497	5,450,019	63	1 445 325	129 754 564	9,178,074	7 073	39 439	196 750 834	13,153,973	6 686	11 979	16 425			
12	Franklin	39 122 958	3,179,445	294	133 071	103 265 374	9,415,222	9 118	7 000	226 724 521	17,606,187	7 765	23 142	9 797			
13	Hawke's Bay	603 721 860	30,091,090	228	2 647 903	716 161 241	41,615,540	5 811	6 662	1 003 724 243	58,411,464	5 819	43 249	23 208			
14	Horowhenua	19 891 820	2,023,052	92	216 216	90 179 106	10,302,760	11 425	4 477	249 056 042	22,271,355	8 942	30 222	8 241			
15	Hutt Valley	169 604 406	16,941,595	494	343 329	387 466 189	41,408,133	10 687	7 448	932 338 950	73,306,032	7 863	78 123	11 934			
16	King Country	249 063 424	11,441,320	45	5 534 743	275 817 551	13,651,919	4 950	124 861	321 868 787	16,000,629	4 971	9 228	34 880			
17	Manawatu-Oroua	89 660 615	6,757,300	237	378 315	155 865 607	14,080,948	9 034	5 079	287 344 709	20,615,882	7 175	23 014	12 486			
18	Marlborough	23 284 890	2,136,770	103	226 067	72 853 190	7,073,789	9 710	3 299	170 829 947	13,564,251	7 940	16 317	10 469			
19	North Auckland	147 454 389	8,521,525	113	1 304 906	215 271 076	15,158,717	7 042	5 957	364 813 069	25,314,357	6 939	28 210	12 932			
20	North Canterbury	47 845 053	3,050,420	51	938 138	94 606 450	8,003,773	8 460	4 087	191 208 786	14,677,039	7 676	17 127	11 164			
21	Otago	29 125 700	2,558,972	8 786	1 266 335	66 791 584	5,346,912	8 005	4 076	153 968 378	11,287,333	7 331	14 980	10 278			
22	Otago Central	18 204 726	1,072,501	26	700 182	90 512 586	6,346,114	7 011	2 854	187 357 078	11,771,226	6 283	14 021	13 363			
23	Poverty Bay	48 762 420	4,076,392	90	541 805	94 107 381	9,587,736	10 188	5 226	210 319 500	17,652,650	8 393	21 531	9 768			
24	Rotorua	35 825 496	2,937,188	123	291 264	127 302 280	11,630,155	9 136	4 483	273 877 891	20,035,164	7 315	25 054	10 932			
25	South Canterbury	66 894 296	5,040,962	25	2 675 772	112 382 252	9,637,764	8 576	2 539	241 861 150	17,368,898	7 181	17 765	13 614			
26	Taranaki	102 769 318	6,838,198	142	723 728	141 958 451	10,650,379	7 502	3 826	222 092 244	15,019,466	6 763	14 007	15 856			
27	Taranaki	14 992 794	1,470,551	30	499 760	23 224 431	2,511,487	9 506	2 053	46 274 627	4,217,774	9 115	5 525	8 375			
28	Tasman	78 968 271	6,636,272	404	139 520	127 405 101	12,101,411	9 498	4 562	268 843 285	20,394,500	7 586	23 730	11 329			
29	Tauranga	48 525 093	3,847,993	117	414 744	131 712 212	13,001,782	9 871	7 489	354 187 520	27,462,628	8 218	38 155	8 759			
30	Te Awamutu	9 287 986	699,316	44	211 091	43 476 992	3,711,706	8 537	3 404	99 754 529	7,223,562	7 241	10 737	9 291			
31	Thames Valley	677 327 078	33,505,909	4 947	2 242 805	811 692 385	47,065,237	5 798	10 828	1 049 297 599	63,101,525	6 014	48 693	21 549			
32	Waikato	30 281 803	2,831,981	9 352	1 339 547	81 603 182	7,757,116	9 506	4 082	195 842 719	16,072,399	8 207	18 103	10 818			
33	Waikato	16 578 760	1,379,749	8 322	828 938	20 404 190	1,875,085	9 190	1 071	35 663 650	2,940,129	8 244	3 376	10 564			
34	Waikato	26 708 939	2,090,022	7 488	81 329 740	68 184 576	5,423,562	7 954	2 446	141 441 180	9,533,478	6 740	11 304	12 512			
35	Waitemata	146 220 808	11,711,032	8 009	1 131 129 285	401 241 841	37,748,434	9 408	15 289	1 205 015 829	84,442,448	7 008	129 826	9 282			
36	Waitemata	31 202 053	2,463,311	7 895	80 900 026	59 229 420	5,178,743	8 744	3 945	115 762 950	9,069,535	7 835	11 361	10 190			
37	Waikato-Rangitikei	65 993 000	5,063,241	122	540 926	165 032 351	14,171,501	8 587	7 163	345 575 270	25,432,204	7 356	32 447	10 566			
38	West Coast	29 127 550	2,965,806	156	186 715	66 175 393	7,119,075	10 758	2 442	115 321 111	10,571,144	9 167	10 977	10 506			
		4 344 790 908	267,665,975	6 161	7 188	7 964 941 848	606,139,800	7 610	195 875	14 407 526 284	1,002,508,015	6 958	1 086 368	13 262			

TABLE VII (PART II)—ANALYSIS OF CONSUMPTION OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1986—continued

No.	Supply Authorities	Industrial				Non-Domestic				Total Retail Sales				No.
		Electricity Consumed kWh	Income \$	Income per kWh Sold c	Average kWh per Consumer kWh	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Average kWh per Consumer kWh	Electricity Consumed kWh	Income \$	Income per kWh Sold c	Average kWh per Consumer kWh		Number
<i>Territorial Authorities</i>														
1	Bluff	1 299 540	87,924	6.766	1 299 540	9 122 306	645,662	7.078	198	46 073	16 129 128	1,115,990	6.919	1 136
2	Christchurch	196 711 590	14,467,649	7.355	209 714	542 692 014	45,424,155	8.370	11 928	45 497	1 384 801 187	87,109,304	6.290	107 465
3	Dunedin	115 221 819	7,619,940	6.613	380 270	304 704 290	21,941,187	7.201	6 570	46 378	694 673 723	41,143,515	5.923	48 259
4	Hamilton	21 638 084	2,071,343	9.573	81 962	81 378 521	8,559,257	10.518	3 075	26 465	133 529 132	12,027,418	9.007	12 065
5	Heathcote	8 477 630	449,391	5.301	8 477 630	27 870 360	1,661,479	5.961	147	189 594	53 470 870	2,992,194	5.596	2 562
6	Invercargill	19 137 897	1,626,709	8.500	136 699	86 832 002	7,814,116	8.999	1 884	46 089	209 555 681	14,946,212	7.132	15 961
7	Kaipoi	3 812 392	305,163	8.005	254 159	7 189 210	601,403	8.365	228	31 532	20 942 000	1,426,521	6.812	1 945
8	Lytelton	1 619 440	201,671	12.453	269 007	6 462 448	667,537	10.329	158	40 902	16 026 095	1,164,692	7.267	1 292
9	Napier	9 451 905	905,910	9.584	242 357	43 439 186	4,481,844	10.318	1 225	35 461	75 004 987	6,434,634	8.579	5 652
10	Nelson	20 219 370	1,750,891	8.659	235 109	58 118 938	5,721,730	9.845	1 531	37 961	106 262 267	8,148,084	7.668	7 778
11	New Plymouth	66 076 677	4,973,279	7.527	174 806	135 177 721	12,317,278	9.112	4 093	33 027	271 160 802	19,886,410	7.334	23 329
12	Palmerston North	9 539 270	989,994	10.378	78 191	74 033 260	7,764,884	10.488	2 696	27 460	171 331 058	13,334,208	7.783	17 773
13	Riccarton	4 653 496	394,589	8.479	141 015	23 035 427	2,181,949	9.472	563	40 916	46 125 838	3,006,954	7.169	3 424
14	Taumarunui	1 084 568	93,447	8.616	31 899	8 932 740	844,829	9.458	420	21 268	19 780 126	1,400,803	7.082	1 194
15	Taupo	49 587 337	3,019,987	6.090	918 284	82 646 496	6,382,809	7.723	1 658	49 847	135 531 685	9,554,446	7.050	9 392
16	Tauranga	9 038 850	749,466	8.292	66 954	37 327 224	3,761,930	10.078	1 371	27 226	54 126 954	4,668,814	8.626	3 889
17	Thames-Coromandel	7 146 616	517,168	7.237	230 536	14 451 776	1,354,944	9.376	492	29 374	29 336 466	2,338,393	7.971	2 977
18	Timaru	16 569 331	1,103,725	6.661	301 261	55 636 624	4,357,089	7.831	1 392	39 969	114 205 582	7,652,986	6.701	8 616
19	Wairoa	332 141	33,960	10.225	83 035	6 540 138	702,931	10.748	280	23 358	19 407 526	1,567,400	8.076	2 012
20	Wellington	65 659 353	5,955,690	9.073	267 916	403 319 934	36,953,339	9.162	7 057	57 152	784 662 981	54,487,191	6.944	52 411
21	Whakatane	4 309 874	483,601	11.221	55 972	14 229 944	1,541,684	10.834	633	22 480	36 498 632	2,904,777	7.959	3 853
22	Whangarei	7 067 663	606,860	8.586	139	45 648 874	4,466,526	9.785	1 693	26 963	88 991 342	6,968,511	7.831	8 110
GRAND TOTALS		658 634 843	48,408,357	7.580	3 100	206 011	180,148,562	8.708	49 292	41 970	4 481 554 062	304,579,457	6.796	341 868
		10 038 183 301	447,599,534	4.459	10 465	959 215	15 195 262 307	6.102	253 848	59 860	24 275 418 914	1,461,566,624	6.021	1 462 735
														16 596

NOTES: *Includes Southland Electric Power Supply. †Shown separately but included with Electricity Division. ‡Includes 3 636 417 kWh used free of charge for irrigation.

TABLE VII (PART III)—SUMMARY OF END USE OF ELECTRICITY FOR THE YEAR ENDED 31 MARCH 1986

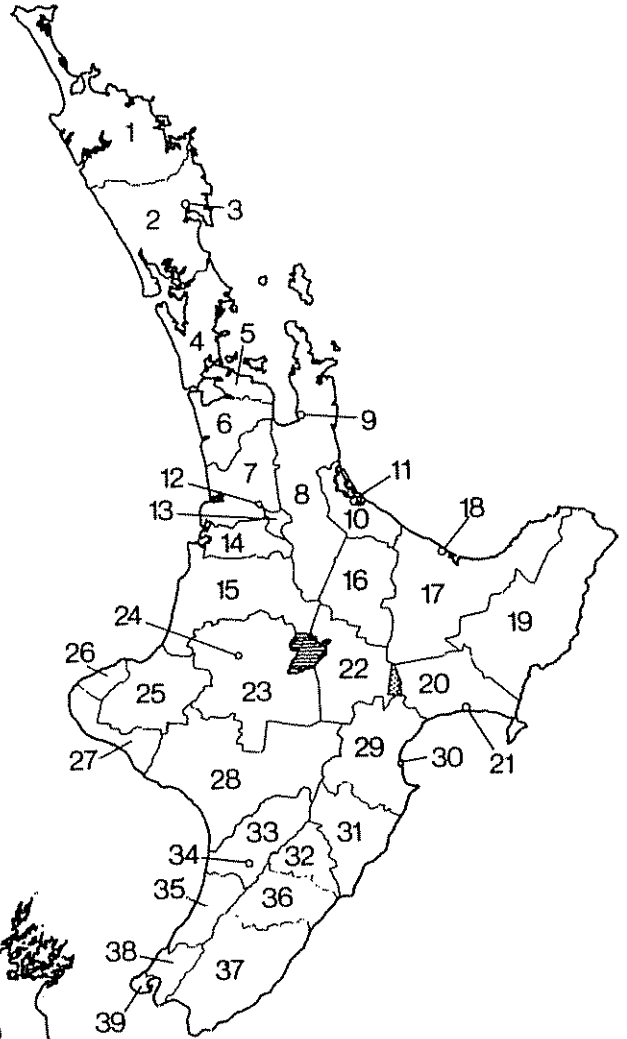
	Electricity Consumed	Income	Income per kWh sold	Consumers	Average kWh per Consumer
	kWh	\$	c	Number	kWh
Domestic ..	9 080 156 607	534,335,174	5.885	1 208 887	7 511
Commercial ..	4 417 065 000	413,030,816	9.351	155 527	28 401
Public Lighting ..	131 579 571	9,298,449	7.067	1 823	72 177
Farming ..	578 343 945	54,484,416	9.421	86 020	6 723
Railway Traction ..	25 857 230	2,559,935	9.900	12	2 154 769
Urban Traction ..	4 233 260	258,300	6.102	1	4 233 260
Coal Mining ..	41 916 585	3,034,973	7.241	76	551 534
Other Mining industries ..	113 899 425	9,561,479	8.395	389	292 801
Iron and steel basic; Non-ferrous metals ..	4 480 763 424	103,110,460	2.301	136	32 946 790
Manufacture of mechanical and electrical equipment ..	353 337 371	29,281,121	8.287	1 869	189 052
Manufacture of chemicals and chemical products ..	341 868 882	21,689,468	6.344	324	1 055 151
Manufacture of glass, pottery, china and earthenware, and building materials ..	306 971 921	16,666,893	5.429	553	555 103
Food, beverage, and tobacco industries ..	1 492 099 138	109,628,395	7.347	2 564	581 942
Manufacture of textiles, leather and rubber products, and wearing apparel ..	252 896 720	21,028,101	8.315	1 000	252 897
Wood, paper, and pulp products ..	2 464 634 962	117,448,062	4.765	1 480	1 665 294
Other manufacturing industries not elsewhere classified ..	128 564 417	11,426,917	8.888	895	143 647
Construction works ..	61 230 456	4,723,665	7.715	1 179	51 934
TOTAL RETAIL SALES ..	24 275 418 914	1,461,566,624	6.021	1 462 735	16 596

FIGURE 1: SUPPLY AUTHORITY LICENSED AREAS AS AT 31 MARCH 1986

NORTH ISLAND

	No.	km ²
Auckland EPB	5	935
Bay of Islands EPB	1	6 830
Bay of Plenty EPB	17	8 389
Cambridge EPB	13	440
Central Hawke's Bay EPB	31	3 367
Central Waikato EPB	7	3 074
Dannevirke EPB	32	2 103
Egmont EPB	27	1 553
Franklin EPB	6	2 220
Hamilton City Council	12	14
Hawke's Bay EPB	29	4 967
Horowhenua EPB	36	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	591
North Auckland EPB	2	5 725
Palmerston North City Council	34	19
Poverty Bay EPB	19	8 284
Rotorua AEA	16	3 870
Taranaki EPB	25	4 359
Taranua EPB	36	2 850
Taumarunui Borough Council	24	20
Taupo Borough Council	22	3 455
Tauranga City Council	11	5
Tauranga EPB	10	1 728
Te Awamutu EPB	14	1 424
Thames-Coromandel District Council	9	11
Thames Valley EPB	8	7 158
Wairarapa EPB	37	5 753
Wairoa Borough Council	21	6
Wairoa EPB	20	3 506
Waitemata EPB	4	2 890
Waikato EPB	15	6 221
Wanganui-Rangitikei EPB	28	9 472
Wellington MED	39	206
Whakatane District Council	18	6
Whangarei City Council	3	13

North Island Area of Supply: 115 052

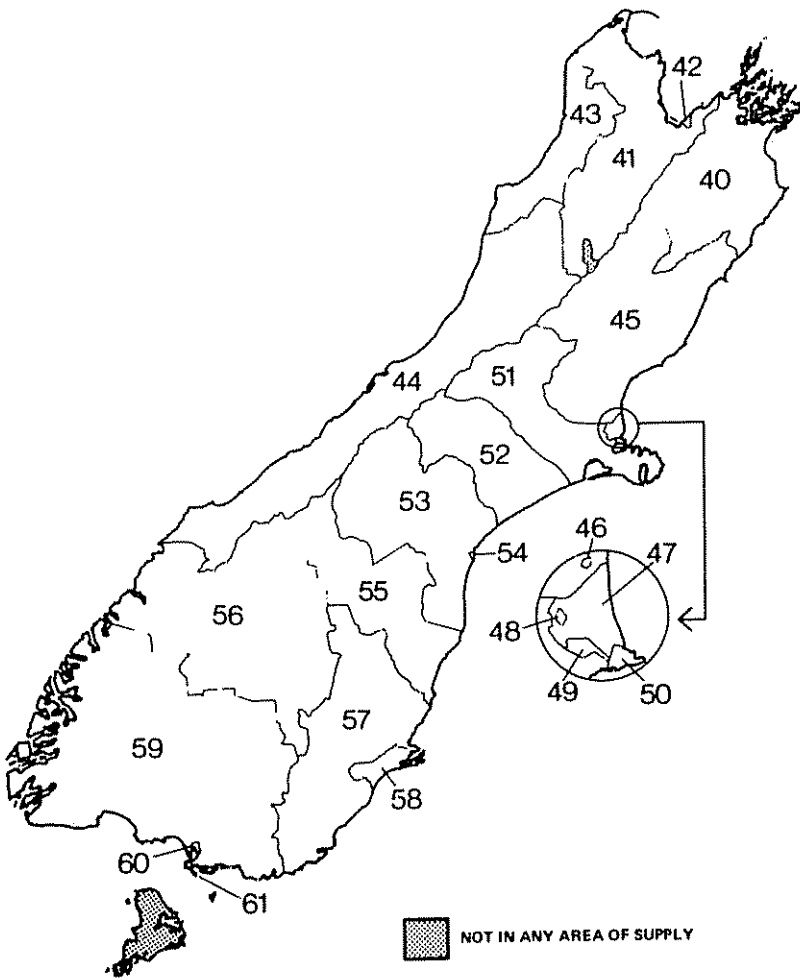


SOUTH ISLAND

	No.	km ²
Ashburton EPB	52	6 684
Bluff Borough Council	61	6
Buller EPB	43	4 646
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
Lytelton 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



NOT IN ANY AREA OF SUPPLY

TABLE VIII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1986—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 of Depreciated Capital Expenditure %	Surplus Percent of Gross Income %	Loan Liability per Consumer \$	No.
		Per kWh Sold (incl. Bulk Sales) c	Per kWh Sold (Retail Sales) c	Per kWh Sold (Domestic Supply) c	Per kWh Sold (Non-domestic Supply) c	Per Head of Population \$	Per Retail Consumer \$	Per kWh Generated c	Per kWh Purchased c	Per kWh Sold (Transmission and Distribution) c	Per kWh Sold (Total) c	Per kWh Sold (Administration and General) c	Per kWh Sold (Interest on Loans) c	Per kWh Sold (Depreciation) c	c	c	c					
<i>Territorial Authorities</i>																						
1	Bluff	6.919	6.919	6.713	7.078	439.37	982.39	4.750	5.234	0.923	1.118	0.520	0.003	0.140	7.016	1.13	...	...	1	
2	Christchurch	6.290	6.290	4.950	8.370	348.44	810.58	4.672	4.894	0.460	0.600	0.298	0.038	0.254	6.085	7.80	41.44	...	2			
3	Dunedin	5.923	5.923	4.924	7.201	373.69	852.56	3.879	4.199	0.631	0.749	0.443	0.013	0.199	5.603	12.03	23.97	...	3			
4	Hamilton	9.007	9.007	6.650	10.518	544.23	996.89	5.304	5.402	1.288	1.635	1.336	...	...	8.373	12.78	...	...	4
5	Heathcote	5.596	5.596	5.198	5.961	415.01	1,167.91	4.307	4.350	0.178	0.235	0.365	0.047	...	4.996	12.90	69.38	...	5			
6	Invercargill	7.016	7.132	5.812	8.999	406.15	936.42	4.640	4.874	0.680	0.797	0.297	0.209	0.225	6.402	41.53	258.96	...	6			
7	Kaunapoi	6.812	6.812	6.000	8.365	288.19	733.43	4.663	4.763	1.010	1.244	0.914	0.047	0.038	6.006	6.88	47.30	...	7			
8	Lytelton	7.267	7.267	5.198	10.329	434.59	901.46	4.650	4.878	1.031	1.157	0.835	0.161	0.467	7.031	32.55	243.81	...	8			
9	Napier	8.579	8.579	6.186	10.318	552.33	1,138.47	4.930	5.124	0.549	1.222	0.812	0.317	0.467	7.941	29.12	363.72	...	9			
10	Nelson	7.668	7.668	5.040	9.845	476.50	1,047.58	4.441	4.695	0.680	0.926	0.539	0.289	0.246	6.695	38.32	305.12	...	10			
11	New Plymouth	7.334	7.334	5.566	9.112	377.35	845.19	4.739	4.758	0.760	0.993	0.449	0.026	0.338	6.564	5.77	33.84	...	11			
12	Palmerston North	7.783	7.783	5.724	10.488	332.52	750.25	5.059	5.446	0.940	1.080	0.729	0.133	0.181	7.569	21.81	121.48	...	12			
13	Riccarton	7.169	7.169	4.872	9.472	457.39	965.82	4.830	5.118	0.310	0.537	0.650	0.274	0.108	6.688	27.16	293.52	...	13			
14	Taumarunui	7.081	7.082	5.125	9.458	354.63	792.76	4.765	5.229	1.082	1.154	0.892	0.199	...	7.275	8.68	80.35	...	14			
15	Taupo	7.050	7.050	5.997	7.723	482.55	1,017.30	4.862	4.883	0.455	0.719	0.621	0.199	0.348	6.770	52.57	856.37	...	15			
16	Tauranga	8.626	8.626	5.398	10.078	838.21	1,260.52	3.043	5.787	0.403	0.630	0.744	0.031	...	7.192	3.09	18.63	...	16			
17	Thames-Coromandel	7.971	7.971	6.607	9.376	380.23	785.49	5.195	5.482	0.635	0.791	0.662	...	0.192	7.126	11.37	39.47	...	17			
18	Timaru	6.701	6.701	5.627	7.831	417.06	888.23	4.390	4.585	0.380	0.529	0.381	0.201	0.239	5.936	21.55	200.98	...	18			
19	Waikato	8.076	8.076	6.718	10.748	307.94	779.03	5.051	5.476	0.637	0.788	1.037	0.102	0.347	7.750	15.61	114.55	...	19			
20	Wellington	6.944	6.944	4.598	9.162	463.33	1,039.61	5.067	5.319	0.600	0.813	0.406	0.040	0.146	6.723	9.00	7.84	...	20			
21	Whakatane	7.959	7.959	6.121	10.834	323.83	753.90	5.025	5.391	0.966	1.100	0.636	...	0.375	7.503	...	6.38	...	21			
22	Whangarei	7.831	7.831	5.773	9.785	387.14	859.25	5.052	5.358	0.403	0.495	0.733	...	0.118	6.704	...	16.25	...	22			
AVERAGES FOR NEW ZEALAND		6.791	6.796	5.157	8.708	396.23	890.93	3.746	4.699	0.591	0.767	0.457	0.066	0.213	6.409	13.60	9.41	97.94	...			
AVERAGES FOR NEW ZEALAND		5.885	6.102	443.14	999.20	2.582	2.848 ^a	0.641 ^a	0.794 ^a	0.666 ^a	0.367 ^a	0.275 ^a	4.974 ^a	60.90	21.28			
1985		4.961	4.835	5.037	362.66	828.58	1.927	2.717 ^a	2.151 ^a	0.540 ^a	0.666 ^a	0.553 ^a	0.321 ^a	0.250 ^a	3.941 ^a	64.96	22.95	...	...	
1984		4.809	4.695	4.882	340.01	781.16	1.658	1.942 ^a	1.862 ^a	0.528 ^a	0.653 ^a	0.558 ^a	0.283 ^a	0.229 ^a	3.585 ^a	68.16	26.79	...	...	
1983		4.879	4.690	5.065	323.49	746.13	1.645	3.267 ^a	1.831 ^a	0.585 ^a	0.712 ^a	0.569 ^a	0.357 ^a	0.227 ^a	3.686 ^a	70.90	26.09	...	...	
1982		4.306	4.137	4.425	272.10	628.41	1.403	1.648 ^a	1.603 ^a	0.529 ^a	0.643 ^a	0.530 ^a	0.336 ^a	0.207 ^a	3.319 ^a	74.49	24.83	...	...	
1981		3.915	3.776	4.013	242.34	561.26	1.268	1.505 ^a	1.435 ^a	0.434 ^a	0.535 ^a	0.460 ^a	0.320 ^a	0.193 ^a	2.943 ^a	77.72	26.87	...	...	
1980		3.579	3.442	3.676	216.94	506.53	1.138	1.588 ^a	1.290 ^a	0.359 ^a	0.447 ^a	0.380 ^a	0.287 ^a	0.176 ^a	2.580 ^a	73.25	29.00	...	...	
1979		2.558	2.456	2.636	154.63	365.44	1.085	1.878 ^a	1.241 ^a	0.310 ^a	0.385 ^a	0.326 ^a	0.250 ^a	0.157 ^a	2.358 ^a	75.21	9.61	...	...	
1978		2.365	2.303	2.414	142.48	341.44	1.028	1.005 ^a	1.157 ^a	0.264 ^a	0.327 ^a	0.277 ^a	0.197 ^a	0.143 ^a	2.102 ^a	73.83	7.82	...	...	

NOTES: ^aIncludes Southland Electric Power Supply. ^bShown separately and included with the Electricity Division. ^cAs 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. ^dRetail sales. ^eCost of electricity purchased from private plants. ^fAlso shown on Table VII. ^gNet costs divided by kWh sold retail.

TABLE IX—STATISTICS OF POPULATION, CONSUMERS, LICENSED AREA, STAFF EMPLOYED FOR THE YEAR ENDED 31 MARCH 1986

No.	Supply Authorities	Licensed Area (km ²)	Population in Area of Supply	Total Number of Retail Consumers ¹	Total Number of Domestic Consumers ²	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 Division ¹	..	..	34 499	25 818	..	..	..	..	..	..	6 356	(
	Government Department	28 740	68 600	32 939	24 294	2.39	1.15	48.02	35.41	281.02	4.07	262	
1	Southland ²	..	..	..	..	..	..	..	..	..	..	..	..
<i>Power Boards and Related Authorities</i>													
1	Ashburton	6 664	24 900	13 289	9 616	3.74	1.99	53.37	38.62	261.80	3.75	129	1
2	Auckland	935	529 100	213 892	185 353	565.89	228.76	40.43	35.03	649.47	28.31	147	2
3	Bay of Islands	6 830	47 300	18 929	14 608	6.93	2.77	40.02	30.88	338.07	4.46	134	3
4	Bay of Plenty	8 389	39 400	16 692	12 512	4.70	1.99	42.37	31.76	299.33	7.98	159	4
5	Buller	4 645	8 590	4 036	3 252	1.85	0.87	46.98	37.86	414.80	5.66	37	5
6	Cambridge	440	14 800	6 973	5 150	33.64	15.85	47.11	34.80	282.50	6.76	36	6
7	Central Canterbury	7 993	46 300	22 703	17 770	5.79	2.84	49.03	38.38	360.23	6.19	213	7
8	Central Hawke's Bay	3 367	13 500	6 931	5 218	3.91	2.06	57.71	30.61	304.61	3.18	37	8
9	Central Waikato	3 074	11 150	44 351	37 533	36.27	14.43	39.78	33.66	550.50	9.03	270	9
10	Dannevirke	2 103	12 150	6 369	4 564	5.78	3.03	52.42	37.56	252.85	6.16	51	10
11	Egmont	1 553	23 700	11 979	8 689	15.26	7.71	50.54	36.66	264.10	6.53	102	11
12	Franklin	2 220	47 800	23 142	16 142	10.42	48.41	33.77	230.60	8.05	8.05	132	12
13	Hawke's Bay	4 967	105 200	43 249	36 587	21.18	8.71	47.02	34.78	549.19	9.40	338	13
14	Horowhenua	1 628	58 500	30 222	25 745	18.56	15.56	51.66	44.01	575.05	17.44	189	14
15	Hutt Valley	1 204	210 300	78 123	70 675	174.62	64.87	37.15	33.61	948.91	34.90	536	15
16	King Country	7 384	15 850	9 228	7 019	2.15	1.25	38.22	44.28	317.75	3.85	60	16
17	Manawatu-Oroua	3 364	52 500	23 014	17 935	15.61	6.84	43.84	34.16	353.12	8.71	163	17
18	Mairborough	10 615	34 700	16 317	13 018	3.27	1.54	47.02	37.52	394.60	5.91	136	18
19	North Auckland	5 725	59 700	28 210	22 233	10.43	4.93	47.25	37.27	373.56	5.99	210	19
20	North Canterbury	13 001	33 800	17 127	13 040	2.60	1.32	50.67	38.58	319.06	3.92	148	20
21	Otago	12 349	24 200	14 980	10 904	1.96	1.21	61.90	45.06	267.57	3.25	133	21
22	Otago Central	18 750	26 200	14 021	11 167	1.40	0.75	53.52	42.62	391.28	5.59	147	22
23	Poverty Bay	8 284	45 800	21 531	16 305	5.53	2.60	47.01	35.60	312.00	7.64	165	23
24	Rotorua	3 870	62 700	25 094	20 571	16.20	6.47	39.96	32.81	458.87	13.57	143	24
25	South Canterbury	10 585	38 200	17 765	15 226	3.61	1.68	46.51	39.86	595.68	5.33	169	25
26	Taranaki	4 359	28 900	14 007	10 181	6.63	3.21	48.47	35.23	266.10	5.59	108	26
27	Taranaki	2 850	7 860	5 525	3 472	2.76	1.94	70.29	44.17	169.12	3.98	42	27
28	Tasman	10 799	52 800	23 730	19 168	4.89	2.20	44.94	36.30	420.17	7.28	212	28
29	Tauranga	1 728	79 800	38 155	30 666	46.18	22.08	47.81	38.43	409.48	10.10	238	29
30	Te Awamutu	1 424	20 900	10 737	7 333	14.67	7.54	51.37	35.09	215.42	8.32	48	30
31	Thames Valley	7 158	91 900	48 693	37 865	12.84	6.80	52.98	41.20	349.70	6.90	306	31
32	Wairarapa	5 753	37 300	18 103	14 021	6.48	3.15	48.53	37.59	343.48	6.05	153	32
33	Wairarapa	3 506	5 580	3 376	2 305	1.59	0.96	60.50	40.31	215.22	3.17	34	33
34	Waikato	7 741	21 900	11 304	8 858	2.83	1.46	51.62	40.45	362.14	6.11	100	34
35	Waitemata	2 890	312 100	129 826	114 537	107.99	44.92	41.60	36.70	749.15	14.56	606	35
36	Waitemata	6 221	19 500	11 361	7 416	3.13	1.83	58.26	38.03	187.98	3.96	85	36
37	Wanganui-Rangitikei	9 472	69 800	32 447	25 284	7.37	3.43	36.22	46.49	352.98	7.62	203	37
38	West Coast	18 017	26 200	10 977	8 535	1.45	0.61	41.90	32.58	349.51	5.70	169	38
		231 857	2 460 900	1 086 368	890 493	10.61	4.69	44.15	36.19	454.62	9.10	7 288	

TABLE IX—STATISTICS OF POPULATION, CONSUMERS, LICENSED AREA, STAFF EMPLOYED FOR THE YEAR ENDED 31 MARCH 1986—continued

No.	Supply Authorities	Population in Area of Supply	Total Number of Retail Consumers ¹	Total Number of Domestic Consumers ⁴	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 ..	2 540	1 136	938	392.28	175.44	44.72	36.93	473.74	28.96	11	1
2	Christchurch ..	250 000	107 465	95 537	976.56	419.79	42.99	38.21	800.95	35.31	588	2
3	Dunedin ..	110 100	48 259	41 689	100.00	43.83	43.83	37.86	634.54	26.02	329	3
4	Hamilton ..	22 100	12 065	8 990	862.40	54.59	54.59	40.68	292.36	40.37	109	4
5	Heathcote ..	7 210	2 562	2 415	450.63	160.13	35.53	33.50	1 642.86	32.36	11	5
6	Invercargill ..	36 800	15 961	14 077	1 382.63	599.68	43.37	38.25	747.19	32.72	87	6
7	Kaipoi ..	4 950	1 945	1 717	1 275.77	501.29	39.29	34.69	753.07	40.89	10	7
8	Lytelton ..	2 680	1 292	1 134	1 242.23	48.21	48.21	42.31	717.72	25.58	12	8
9	Napier ..	11 650	5 652	4 427	1 444.87	700.98	48.52	38.00	361.39	36.59	56	9
10	Nelson ..	17 100	7 778	6 247	828.89	377.02	45.49	36.53	408.03	42.17	61	10
11	New Plymouth ..	52 700	23 529	19 436	89.25	39.85	44.65	36.88	474.86	19.66	160	11
12	Palmerston North ..	40 100	17 773	15 077	2 136.39	946.88	44.32	37.60	559.24	46.36	88	12
13	Riccarton ..	7 230	3 424	2 861	2 545.77	1 205.63	47.36	39.57	508.17	45.72	23	13
14	Taumarunui ..	3 950	1 767	1 347	1 952.27	87.35	44.73	34.10	320.71	38.05	13	14
15	Taupo ..	19 800	9 392	7 734	5.73	2.72	47.43	39.06	466.47	10.99	81	15
16	Tauranga ..	5 570	3 889	2 518	1 201.47	838.87	69.82	45.21	183.66	26.01	29	16
17	Thames-Coromandel ..	6 150	2 977	2 485	544.25	263.45	48.41	40.41	505.08	24.52	15	17
18	Timaru ..	18 350	8 616	7 224	1 667.12	46.95	46.95	39.37	518.97	39.53	55	18
19	Waioa ..	5 090	2 012	1 732	786.10	310.73	39.53	34.03	618.57	24.63	15	19
20	Wellington ..	117 600	52 411	45 354	571.15	254.55	44.57	38.57	642.68	32.47	305	20
21	Whakatane ..	8 970	3 853	2 220	1 475.33	633.72	42.95	35.90	508.69	49.95	18	21
22	Whangarei ..	18 000	8 110	6 417	1 384.62	623.85	45.06	35.65	379.03	48.86	30	22
GRAND TOTALS ..		768 700	341 868	292 376	132.33	58.85	44.47	38.06	593.56	30.46	2 106	
GRAND TOTALS ..		3 298 200 ³	1 462 735	1 208 887	12.38	5.49	44.35	36.65	476.22	9.37	15 750	

Total population on Census night 4 March 1986 was 3 307 800⁵ Estimated Mean population for year ended 31 March 1986 was 3 280 800. 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. ³As for note 3, Table VI, and as a result the operations of Tauranga Joint Generation Committees have been included with the Tauranga Electric Power Board. ⁴For detailed analysis see Table VI. ⁵Provisional Census night figures. Individual figures 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 1986

(Figures in parenthesis are for previous year)

1. Number of board meetings: 11 (11)

	During the year			Current Registrations	Removed from Register
	New	Re-regis- tration	Total		
2. Registrations					
Inspectors	45 (38)	- -	45 (38)	645 (637)	37 (22)
Electrical technicians	23 (18)	7 (12)	30 (30)	2 126 (2 118)	22 (8)
Electricians	680 (655)	47 (141)	727 (796)	15 872 (15 219)	74 (36)
Electrical mechanics	37 (30)	8 (18)	45 (48)	567 (548)	26 (36)
Radio-Electronics servicemen	155 (180)	18 (56)	173 (236)	4 432 (4 270)	11 (5)
Electrical appliance servicemen	28 (30)	- -	28 (30)	702 (675)	1 (1)
Restricted certificate	374 (484)	- -	374 (484)	3 551 (3 189)	12 (17)
Regular					
Provisional licences	461 (223)				
Permit to assist	362 (253)				
Application for ruling on experience as electrical technician	82 (88)				
Application for ruling on experience—others ¹	810 (671)				

¹Includes 94 (49) from overseas and 129 (137) claiming credit for unauthorised experience in New Zealand.

3. Applications for electrical technicians declined: 59 (70)

4. Breach of Act and Defective Work

Defective work reports	2 (4)
Breach of Act	3 (4)
Prosecutions authorised	2 (1)
Prosecutions completed	2 (13)
Demotions	- (-)

5. Examinations:

Two examinations were held as follows:

Practical—4 May, 19 October

Written—2 November a.m. and p.m.

	Papers sat	Passed	Pass Percentage	Highest Marks
Electricians and electrical fitters theory paper	841 (986)	525 (662)	62 (67)	97 (94)
Electricians and electrical fitters regulations paper	815 (911)	590 (661)	72 (73)	52/46 (52/47)
Electricians and electrical fitters (two practical papers)	125 (157)	88 (110)	70 (70)	95 (96)
Radio-electronics servicemen's wiring paper	187 (220)	164 (189)	88 (86)	93 (97)
Restricted certificate—written paper	297 (350)	213 (245)	72 (70)	87 (98)
Radio-electronics servicemen's and restricted certificate (two practical papers)	98 (186)	85 (158)	86 (85)	97 (95)
Candidates given special examinations	181 (146)			
Assessments Electricians and Fitters	517 (592)			
Assessments servicing	453 (370)			

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 nett 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 construction 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 a 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 a 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 bought 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 end 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 alternative 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 1985

The following amendments are necessary:

Page 16 Table IV—Electricity Division Only—Generation for Public Supply
Annual Load Factor (%)—

North Island Thermal:			
Marsden	showed:	2.58	should be: 0.26
Otahuhu	showed:	2.96	should be: 2.29
Stratford	showed:	41.50	should be: 15.01
Whirinaki	showed:	1.80	should be: 0.18
South Island Hydro:			
Cobb	showed:	69.09	should be: 68.09
Waitaki	showed:	46.66	should be: 53.39

Page 21 Table VI—Results of Generation, Distribution, and Consumption
Generated—Steam

Territorial Authorities:			
Palmerston North	showed:	3 599	should be:
Generated—Oil/Gas			
Territorial Authorities:			
Palmerston North	showed:		should be: 3 599
Territorial Authorities:			
Subtotal:			
Steam	showed:	3 599	should be: ...
Oil/Gas	showed:		should be: 3 599
GRAND TOTALS:			
Steam	showed:	6 343 523 951	should be: 6 343 520 352
Oil/Gas	showed:	313 767 770	should be: 313 771 369