

ANNUAL STATISTICS IN RELATION TO ELECTRIC POWER DEVELOPMENT AND OPERATION

YEAR ENDED 31 MARCH 1977

Condensed Statistics for the Combined Development and Operations of the New Zealand Electricity Department and Distributing Electrical Supply Authorities

		Hydro	Steam	Oil/Gas	Total	No.
Generating stations	No.	66	4	9	79	1
Installed capacity	kW	3 616 915	1 242 420	506 327	5 365 662	2
Generation	kWh	14 927 448 052	4 968 172 363	1 018 620 632	20 914 241 047	3
Maximum load	kW				4 074 300	4
Retail sales	kWh				18 711 876 076	5
Consumers	No.				1 280 166	6
Population (mean) ¹	No.				3 120 600	7
Population (total) ¹	No.				3 140 100	8
Capital expenditure; generation, transmission, and distribution	\$				2,463,995,484	9
Income from retail sales of electricity	\$		320,121,191			10
Income from other sources	\$		26,378,144			11
Total income	\$				346,499,335	12
Working costs	\$		188,192,078			13
Capital charges	\$		168,622,971			14
Total costs	\$				356,815,049	15
Net profits	\$				-10,315,714	16
Working costs per kWh sold retail	c		1.0057			17
Capital charges per kWh sold retail	c		0.9012			18
Total costs per kWh sold retail	c				1.9069	19
Total income per kWh sold retail	c				1.8518	20
Income from retail sales of electricity per kWh sold retail	c				1.7108	21
Generation per head of mean population	kWh				6702	22
Generation per head of total population	kWh				6660	23
Retail sales per head of mean population	kWh				5996	24
Retail sales per head of total population	kWh				5959	25
Retail sales per total consumers	kWh				14 617	26
Ratio of capital charges to capital expenditure	%				6.84	27
Electrical fires reported during year	No.				61	28
Electrical accidents during year (fatal)	No.				11	29
Electric ranges (domestic)	No.				937 602	30
Electric water-heaters (domestic)	No.				986 701	31

Provisional

TABLE I—NEW ZEALAND ELECTRICITY DEPARTMENT ONLY
Summarised Profit and Loss Account and Loan Repayment for Year Ended 31 March 1977

	\$	\$	\$	\$
Working costs		104,744,897	Income—	
Capital charges—			Sales of energy	207,835,454
Interest	90,444,211		Rents and miscellaneous receipts	1,023,663
Depreciation including interest on Depreciation Account	26,909,232	117,353,443	Transfer from General Reserve Account	
Profit and Loss Account total		222,098,340		208,859,117
Loan capital repayments		17,555,527		30,794,750
Total costs (see Table IV)		239,653,867		239,653,867

TABLE II—NEW ZEALAND ELECTRICITY DEPARTMENT ONLY
Summarised Balance Sheet as at 31 March 1977

	\$	\$	\$	\$
Capital liability		1,564,098,977	Completed works	1,269,944,081
Internal resources—			Works under construction	644,004,100
Depreciation Account	266,772,486		Plant, motor vehicles and tools	9,623,575
General Reserve Account	142,468,944	409,241,430	Stocks of materials	34,773,287
			Capital outlay (see table V)	1,958,345,043
			Sundry debtors, etc.—	
			Less sundry creditors	13,449,654
			Special Maintenance Suspense Account	1,545,710
		1,973,340,407		1,973,340,407

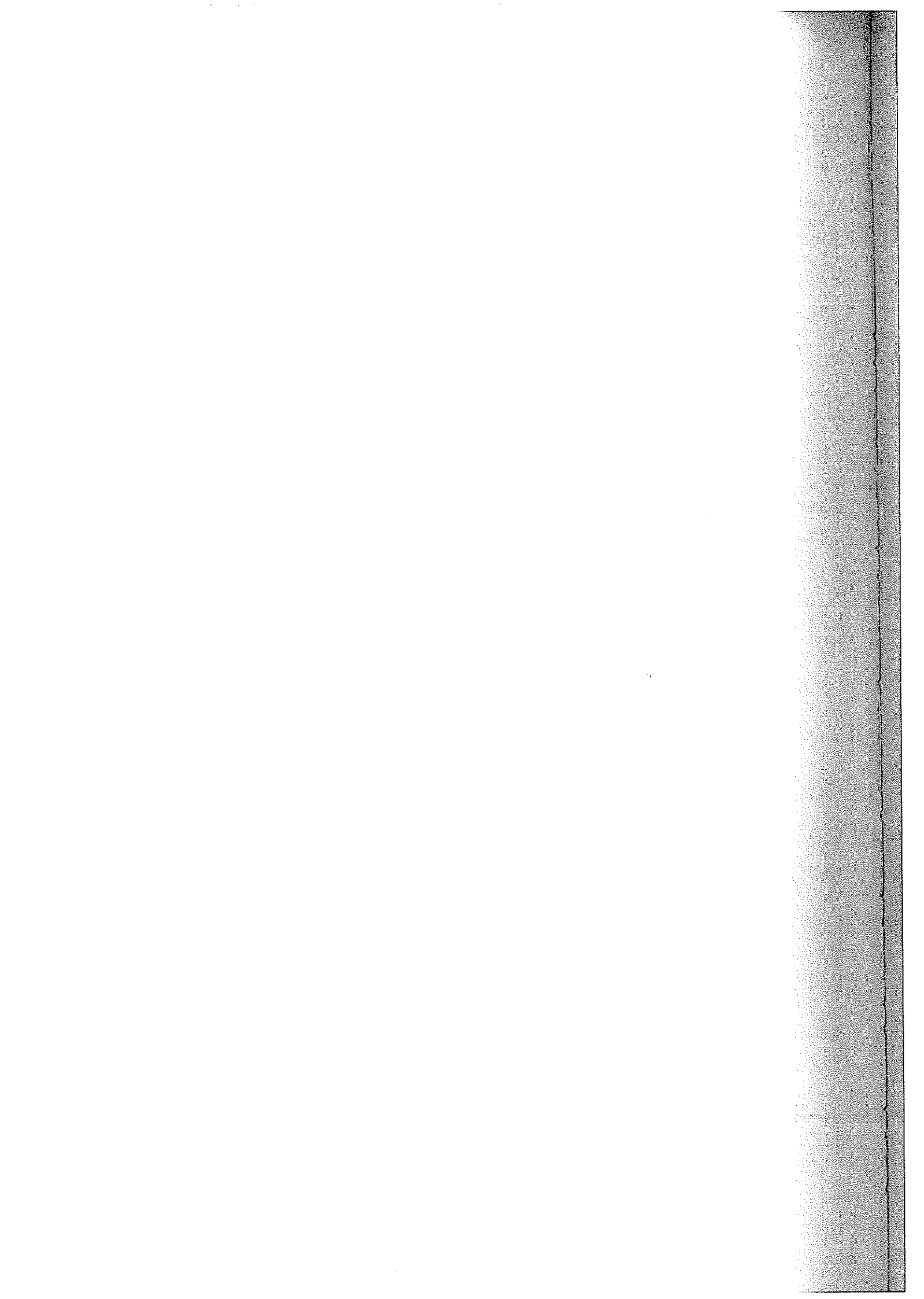


TABLE III—OPERATING RESULTS: NEW ZEALAND ELECTRICITY DEPARTMENT ONLY

	1976-77		1976-77
Maximum load (kilowatts)*—		Income—	
New Zealand 1976-77*	3 949 500	Per kWh output	cents 1.0156
Average load (kilowatts)—		Per kWh sold	1.0861
New Zealand	2 336 182	Working costs (including administra- tion)—	
Average load factor—		Per kWh output	0.5118
New Zealand	59.15	Per kWh sold	0.5474
Energy output (generated and purchased)—		Capital charges—	
New Zealand	20 467 018 905	Per kWh output	0.6592
Energy sold—		Per kWh sold	0.7050
New Zealand	19 135 779 094	Total costs—	
Energy unsold (used free of charge)—		Per kWh output	1.1710
New Zealand	285 797 795	Per kWh sold	1.2524
Line losses—			
Transmission and distribution— kWh	percent		
New Zealand 1 045 442 016	5.11		

TABLE IV—NEW ZEALAND ELECTRICITY DEPARTMENT ONLY
Analysis of Operating Costs for Year Ended 31 March 1977

	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	8,784,954	4,730,002	66,352,456	79,867,412	0.5509	..
Thermal stations	65,224,768	6,830,397	35,099,615	107,154,780	1.7956	..
Power purchased	14,501	290	..	14,791	0.7159	..
Generated and purchased	74,024,223	11,560,689	101,452,071	187,036,983	0.9140	0.9774
Transmission	3,943,126	2,123,061	17,471,622	23,537,809	0.1150	0.1230
Substations	4,976,853	2,679,642	14,447,557	22,104,052	0.1080	0.1155
Communications	891,761	480,143	640,191	2,012,095	0.0099	0.0105
Retail distribution	932,572	939,710	897,529	2,769,811	0.0135	0.0145
System operation	1,425,564	767,553	..	2,193,117	0.0107	0.0115
Totals	86,194,099	18,550,798	134,908,970	239,653,867	1.1710	1.2524
Administration (see column (b))	18,550,798					
	104,744,897					
		SUMMARY				
		Working costs	86,194,099	0.4212	0.4504	
		Administration	18,550,798	0.0907	0.0969	
		Capital charges	134,908,970	0.6592	0.7050	
		Total costs	239,653,867	1.1710	1.2524	

TABLE V—NEW ZEALAND ELECTRICITY DEPARTMENT ONLY
Analysis of Capital Outlay as at 31 March 1977

	Headworks	Station Buildings and Villages	Generating Plant and Machinery	Total	Grand Total
<i>Completed Works</i>					
	\$	\$	\$	\$	\$
Electric stations—					
Agariro control	77,546,406	..	..	77,546,406	
Maunatu	46,502,730	5,718,418	5,732,624	57,953,772	
Taupo control	427,742	..	..	427,742	
Taitia	10,505,543	2,909,568	2,743,817	16,158,928	
Akuri	13,978,319	3,162,202	3,995,780	21,136,301	
Amuri	13,675,428	3,003,053	4,524,681	21,203,162	
Takamaru	14,168,452	3,140,332	4,748,496	22,057,280	
Traetai	22,958,389	7,410,239	9,159,315	39,527,943	
Upapa	10,021,378	2,769,895	2,872,424	15,663,697	
Upuni	3,111,457	1,219,114	2,327,666	6,658,237	
Rapiro	5,172,127	1,218,966	2,138,545	8,529,638	
Tahina	23,985,069	3,201,748	2,815,058	30,001,875	
Waikaremoana control	929,055	..	..	929,055	
Tawa	2,417,820	376,770	628,811	3,423,401	
Tairā	550,688	741,533	996,990	2,289,211	
Tāpau	1,513,134	216,396	425,419	2,154,949	
Tangahau	1,989,820	439,995	842,107	3,271,922	
Kapō	5,165,184	1,204,066	897,392	7,266,642	
Pukaki control	4,614,541	..	..	4,614,541	
Tāmore	38,994,175	9,360,753	7,567,591	55,922,519	
Tāmore	23,661,094	8,449,600	5,439,336	37,550,030	
Taitaki	3,756,489	3,085,179	2,594,156	9,435,824	
Wakatipu control	1,384	5,494	..	6,878	
Hawea control	4,907,140	7,800	..	4,914,940	
Dunedin	33,926,121	5,110,866	9,299,530	48,336,517	
Dunedin	8,272,810	876,365	807,840	9,957,015	
Dunedin	219,992	32,678	55,125	307,795	
Coleridge	1,167,964	581,477	751,647	2,501,088	
Dunedin	667,576	266,262	363,780	1,297,618	
Manapouri control	9,963,393	..	..	9,963,393	
Te Anau control	10,736,188	..	..	10,736,188	
Manapouri	80,439,805	19,173,794	18,039,466	117,653,065	
Manawai	257,312	167,605	140,017	564,934	
	476,204,725	83,850,168	89,907,613	..	649,962,506
<i>Fuel Handling Equipment</i>					
Arden	966,345	16,706,364	12,379,169	30,051,878	
Ahuhu	706,269	3,506,436	11,532,208	15,744,913	
Tāremere	5,720,481	10,472,327	22,008,893	38,201,701	
Tairākei	21,436,043	10,554,837	12,167,457	44,158,937	
Plymouth	2,597,191	33,352,282	96,387,165	132,336,638	
Ratford	55,749	966,188	20,863,140	21,885,077	
	31,482,678	75,558,434	175,338,032	..	282,379,144
<i>Transmission system—</i>					
3 kV a.c.	..	..	..	730,676	
10 kV a.c.	..	..	..	1,723,976	
36 kV a.c.	..	..	..	5,162,668	
110 kV a.c.	..	..	..	35,931,098	
110 kV a.c.	..	..	..	111,500,881	
110 kV d.c.	..	..	..	9,808,119	
110 kV d.c. (submarine cables)	..	..	..	6,287,695	
					171,145,113
<i>Substations—</i>					
11 kV	..	..	..	44,026	
13 kV	..	..	..	3,121,317	
110 kV	..	..	..	2,130,128	
36 kV	..	..	..	8,106,877	
110 kV	..	..	..	55,482,462	
110 kV	..	..	..	50,959,444	
110 kV (converter stations)	..	..	..	21,678,303	
					141,522,557
Communications system	..	..	..	..	6,271,057
Distribution system	..	..	..	..	8,791,847
Offices, stores, land, and buildings	..	..	..	..	9,871,857
Total completed works					1,269,944,081

TABLE V—NEW ZEALAND ELECTRICITY DEPARTMENT ONLY—continued
Analysis of Capital Outlay as at 31 March 1977—continued

	Headworks	Station Buildings and Villages	Generating Plant and Machinery	Total	Grand Total
<i>Works Under Construction</i>					
Hydro-electric stations—					
Tongariro and Rangipo	83,587,398	10,048,015	..	93,635,413	
Manapouri control	130,462	..	..	130,462	
Upper Waitaki	187,462,009	30,203,421	21,974,734	239,640,164	
Other stations	546,104	969,428	2,287,210	3,802,742	
	271,725,973	41,220,864	24,261,944	..	337,208,781
Thermal stations—	Fuel Handling Equipment				
Marsden B	1,842,625	25,173,982	42,234,057	69,250,664	
Otahuhu	35,972	291,538	10,430,138	10,757,648	
Huntly	9,630,140	54,558,442	76,113,501	140,302,083	
Whirinaki .. .. .	..	377,292	25,108,619	25,485,911	
Other stations .. .. .	..	348,014	777,407	1,125,421	
	11,508,737	80,749,268	154,663,722	..	246,921,727
Transmission system—					
33 kV a.c. .. .. .	..	..	..	81,477	
50 kV a.c. .. .. .	..	..	..	518,514	
66 kV a.c. .. .. .	..	..	..	..
110 kV a.c. .. .. .	..	..	..	5,136,390	
220 kV a.c. .. .. .	..	..	..	16,508,887	
500 kV d.c. (submarine cables) .. .. .	..	..	..	67,400	
				..	22,312,668
Substations—					
11 kV a.c. .. .. .	..	..	..	..
33 kV a.c. .. .. .	..	..	..	218,057	
50 kV a.c. .. .. .	..	..	..	99,834	
66 kV a.c. .. .. .	..	..	..	313,282	
110 kV a.c. .. .. .	..	..	..	4,371,640	
220 kV a.c. .. .. .	..	..	..	8,801,413	
				..	13,804,226
Communications system .. .. .	..	..	..	..	1,705,839
Distribution system .. .. .	..	..	..	..	82,925
Offices, stores, land, and buildings .. .. .	..	..	..	..	745,720
Survey and investigations of other schemes .. .. .	..	..	..	..	21,222,214
Total works under construction .. .. .	..	..	..	..	644,004,100
Plant, motor vehicles, and tools .. .. .	..	..	..	..	9,623,575
Stocks of materials .. .. .	..	..	..	..	34,773,287
Total capital outlay .. .. .	..	..	..	..	1,958,345,043

TABLE VI—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1977

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		
1	NEW ZEALAND ELECTRICITY DEPARTMENT ²	G.												
	North Island													
	Arapuni		157 800				53	14 400	500 000	33 000; 11 000	180	7 064 000	9 116	
	Aratua		90 000			34	13 800	220 000						
	Kaimanui		84 000			35	11 500	110 000						
	Karapiro		90 000			30	11 000	50 000						
	Managahao		19 200			273	6 000							
	Maraeoti		360 000			61								
	Marsden		72 000	240 000		61								
	Matahina		210 000	210 000										
	New Plymouth		600 000	600 000		35								
	Ohakuri		112 000											
	Orakei			180 000										
	Opahuhu		208 000	208 000										
	Stratford		200 000			208	16 000	500 000						
	Tokomaru		124 000			206; 135; 113	13 800	220 000						
	Waikaremoana		51 000			16	11 000	110 000						
	Waipapa		192 420			38	3 300	66 000						
	Wharaka		100 000											
	Whanganui			108 000										
	Whirinaki													
2	South Island	G.									7 155	3 963 000	14 312	
	Arnold		3 050											
	Avenmore		220 000			13								
	Bennore		540 000			37								
	Cobb		32 000			92								
	Coleridge		34 500			594								
	Highbank		25 200			149								
	Manapouri		700 000			101								
	Manowai		6 000			177								
	Roxburgh		320 000			47								
	Tekapo		25 200			46								
	Wairaki		105 000			21								
	Wairaki		3 470 950	1 242 420	496 000						7 395	11 027 000	23 428	
	Power Boards													
1	Ashburton	G.												
2	Auckland	G.												
3	Bay of Islands	G.												
4	Bay of Plenty	G.												
5	Buller	I. & G.												
6	Cambridge	G.												
7	Central Canterbury	G.												
8	Central Hawke's Bay	G.												
9	Central Waikato	G.												
10	Dannevirke	G.												
11	Egmont	I. & G.												
12	Franklin	G.												
13	Hawke's Bay	G.												
14	Horowhenua	G.												
15	Hutt Valley	G.												

(For notes see page 7.)

TABLE VI—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Capacity of Generating Plant			Static Head in Metres	Voltage			Distribution Substations		Circuit-kilometres of Lines	No.	
		Hydro	Steam	Oil/Gas		Total Capacity	Generation	Transmission	Distribution*	Number			kVA
POWER BOARDS—continued													
16	King Country	6 000	..	..	6 000	67	6 600	33 000	33 000; 11 000; 6 600	..	1 312	82 976	2 265
17	Manawatu-Oroua	..	..	..	..	..	..	..	..	..	1 705	197 980	2 361
18	Marlborough	1 000	..	1 330	2 330	30	6 600	33 000	33 000; 11 000; 6 600	..	1 641	154 754	2 249
19	North Auckland	..	..	..	..	..	..	..	..	..	3 632	357 601	3 843
20	North Canterbury	..	..	..	..	..	..	..	..	..	3 063	133 932	3 714
21	Otago	..	..	..	..	..	..	..	..	..	2 907	162 369	4 283
22	Otago Central	8 335	..	..	8 335	309; 301; 244; 125; 117; 88; 65	6 600; 3 300; 415; 400; 500 D.C.	33 000	33 000; 11 000; 6 600	..	1 529	61 200	2 071
23	Poverty Bay	..	..	..	..	..	..	..	..	..	2 069	150 463	2 665
24	South Canterbury	..	..	300	300	..	..	..	..	..	3 429	173 195	2 693
25	Taranaki	4 800	..	..	4 800	100	6 600	33 000	33 000; 11 000; 6 600	..	1 603	136 845	2 398
26	Taranaki	..	..	..	..	..	..	..	..	..	1 083	38 209	1 304
27	Tasman	650	..	..	650	115; 299; 32; 8	400; 3 300; 2 500; 400; 11 000	33 000	33 000; 11 000; 6 600	..	2 086	200 839	2 865
28	Tauranga	15 000*	..	..	15 000*	151	..	33 000	50 000; 33 000; 11 000; 6 300	..	2 220	196 836	3 207*
29	Te Awamutu	..	..	..	..	..	..	..	..	..	1 058	54 836	1 175
30	Thames Valley	..	..	..	..	..	..	..	66 000; 50 000; 33 000; 11 000	..	3 795	527 115	6 458
31	Wairarapa	770	..	..	770	131; 88	3 300	9 300	33 000; 11 000; 3 300	..	2 557	197 380	2 824
32	Wairarapa	..	..	..	..	..	..	..	..	..	584	17 562	978
33	Waikato	..	..	..	..	..	..	..	..	..	1 606	143 269	1 762
34	Waikato	..	..	6 000	6 000	..	11 000	110 000	33 000; 11 000	..	5 560	940 625	8 022
35	Waikato	3 478	..	..	3 478	41; 20	3 300; 500; 400	33 000	33 000; 22 000; 11 000; 6 600	..	2 225	114 330	2 664
36	Wanganui-Rangitikei	346	..	..	346	116	6 600; 3 300; 6 600; 3 300; 2 300; 2 200; 420; 415; 400	..	33 000; 22 000; 11 000; 6 600	..	2 917	199 336	3 973
37	West Coast	3 839	..	..	3 839	198; 82; 76; 55; 53; 44; 33; 33	..	..	11 000	..	1 008	58 489	1 494
CITY COUNCILS													
1	Christchurch	..	..	..	..	..	..	..	..	..	81 496	10 365 366	104 813
2	Dunedin	..	..	..	..	..	..	..	..	..	1 734	862 873	2 642
3	Hamilton	..	..	..	..	218; 218; 57; 51; 34	11 000; 6 600; 2 400	110 000; 33 000	33 000; 11 000; 6 600	..	1 649	665 815	1 704
4	Invercargill	..	..	..	..	..	..	..	..	..	135	142 800	259
5	Napier	..	..	400	..	..	3 300	..	33 000; 11 000	..	155	80 600	139
6	Nelson	..	..	..	..	..	..	..	33 000; 11 000	..	128	66 935	140
7	New Plymouth	..	..	..	..	73	6 600	..	33 000; 11 000	..	1 190	153 995	1 067
8	Palmerston North	..	..	2 000	..	34; 25	3 300	..	33 000; 11 000	..	277	176 600	315
9	Tauranga	..	..	..	..	..	..	..	11 000	..	60	23 675	149
10	Timaru	..	..	..	..	..	..	..	11 000	..	121	46 900	246
11	Wellington	..	..	..	..	..	..	..	33 000; 11 000; 3 300	..	604	760 993	1442
12	Whangarei	..	..	..	..	..	..	..	33 000; 11 000	..	161	36 695	143
											6 497	3 135 921	8 634

(For notes see page 7.)

LYONS AND GALLAGHER OR GENERALING LEVY AND GABLEY AUCKLAND CHRISTCHURCH DUNEDIN HAMILTON INVERCARGILL NAPIER NELSON NEW PLYMOUTH PALMERSTON NORTH TAURANGA TIMARU WELLINGTON WHANGAREI

TABLE VI—STATISTICS OF GENERATING PLANT, SYSTEM VOLTAGES, CIRCUIT-KILOMETRES OF LINES, DISTRIBUTION SUBSTATIONS, ETC., FOR THE YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Source of Supply ¹	Capacity of Generating Plant			Static Head, in Metres	Voltage			Distribution Substations		Circuit-kilometres of Lines	No.
			Hydro	Steam	Oil/Gas		Total Capacity	Generation	Transmission	Distribution ²	Number			kVA
1	Bluff	B.	..	..	..	..	..	..	..	..	..	..	1
2	Kanapoi	B.	..	..	..	..	..	..	..	..	..	..	2
3	Lyttelton	B.	..	..	..	..	..	..	..	..	..	..	3
4	Riccarton	G.	..	..	..	..	..	..	..	..	..	..	4
5	Taurarunui	I. & B.	1 945	..	..	1 345	..	..	..	..	..	..	5
6	Tauapo	I. & G.	2 400	..	..	2 400	..	..	..	..	..	..	6
7	T. e. Arata	B.	..	..	..	..	..	..	..	..	..	..	7
8	Thames-Coromandel D.C.	B.	..	..	..	..	..	..	..	..	..	..	8
9	Waikato	B.	..	..	..	..	..	..	..	..	..	..	9
10	Whakatane D.C.	B.	..	..	..	..	..	..	..	..	..	..	10
			3 845	..	..	3 845	..	..	..	..	..	..
1	Heathcote	G.	..	..	..	..	..	..	..	..	..	..	1
2	Kaikoura	B.	..	..	..	..	..	..	..	..	..	..	2
1	Rotoura	G.	..	..	..	..	..	..	..	..	..	..	1
1	Southland ⁴	G.	6 000	..	..	6 000	..	..	..	..	..	..	1
	GRAND TOTALS		3 616 915	1 242 420	506 327	5 365 662	..	..	..	..	..	..

Notes—¹G. = Government supply; B. = Bulk supply from another authority; I. = Independent supply (own generation plant).
²Shown separately, but included with New Zealand Electricity Department.
³Operated by Tauranga Joint Generation Committee, jointly owned by Tauranga Electric Power Board and Tauranga City Council.
⁴Waikato Electric Power Board and Golden Bay Electric Power Board as from 1 April 1976.
⁵Annexation of Waikato Electric Power Board and Waitomo Electric Power Board as from 1 April 1976.
⁶Includes Southland Electric Power Supply.
⁷Amalgamation of
⁸Includes 32.5 circuit-kilometres owned by Tauranga Joint Generation Committee.

TABLE VII—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION FOR YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Maximum Load kW	Annual Load Factor %	Generated							Generated and Purchased kWh	Purchased kWh	In Bulk for Retail kWh	Retail to Consumers		Non-productive ¹ kWh	Percentage Non-productive ¹ %	Energy Sold (Average) kWh	No. of Population	
				Hydro kWh	Steam kWh	Oil/Gas kWh	Domestic		Non-domestic kWh	kWh				kWh	kWh					
							kWh	kWh												
										kWh										
1	NEW ZEALAND ELECTRICITY DEPARTMENT ⁴	3 949 500	59.15	14 497 013 230	4 949 473 700	1 018 465 600	15 350 884 952	196 658 142	3 588 236 000	1 331 239 811	6.50	..	1				
1	ANHBURTON	23 707	60.89	..	..	..	..	..	126 716 162	2 066 375	84 020 873	39 199 064	3 496 225	2.77	1
2	AUCKLAND	609 144	50.55	..	..	..	..	..	2 697 257 128	..	1 192 088 782	1 387 050 470	118 117 076	4.36	2
3	BAY OF ISLANDS	27 011	67.89	..	..	..	..	..	160 638 375	..	75 216 879	62 768 610	18 657 068	11.61	3
4	BAY OF PLENTY	59 152	72.30	..	..	..	..	..	374 628 305	..	77 970 916	247 787 661	13 369 093	3.94	4
5	BULLER	11 897	61.80	..	..	1 794	..	..	64 409 295	..	15 411 465	46 379 192	2 620 432	4.07	5	
6	CAMBRIDGE	12 798	53.02	..	..	..	..	..	59 445 240	..	32 973 581	20 257 597	6 214 062	10.45	6
7	CENTRAL CANTERBURY	65 522	55.05	..	..	..	..	..	315 987 777	..	166 442 903	18 659 928	5 91	5.91	7
8	CENTRAL HAWKE'S BAY	12 404	60.87	..	..	..	..	..	449 950	..	45 281 070	14 394 180	6 572 046	9.94	8
9	CENTRAL OTAGO	83 403	52.87	..	..	..	..	..	386 283 357	..	141 095 158	28 711 841	3 512 9	7.83	9
10	DANNEVIKKE	11 143	59.25	..	..	..	..	..	57 838 756	..	37 993 196	15 953 528	3 892 032	6.73	10
11	EGMONT	26 409	62.94	1 583 072	..	..	..	..	145 607 891	..	71 085 036	65 395 480	9 127 375	6.27	11	
12	FRANKLIN	37 195	55.04	..	..	..	..	..	179 321 614	..	100 705 111	63 144 305	15 153 718	8.47	12
13	HAWKE'S BAY	140 441	63.42	..	..	..	..	..	780 174 798	..	267 598 417	418 885 887	26 984 074	3.78	13
14	HOROWHENUA	54 288	51.61	..	..	..	..	..	245 058 973	..	156 038 535	68 233 071	20 787 567	8.48	14
15	HUTT VALLEY	238 307	45.38	..	..	..	..	..	947 435 663	..	573 239 955	330 758 410	43 437 258	4.58	15
16	KING COUNTRY	21 653	48.22	28 852 700	..	..	..	..	91 472 868	..	44 600 344	26 824 128	6 479 186	8.32	16	
17	MANAWATU-COYUA	87 516	53.81	..	..	..	..	..	412 536 191	..	118 382 994	103 768 656	15 136 131	6.33	17
18	MARLBOROUGH	24 304	65.37	6 019 912	..	3 170	..	..	131 161 430	..	85 848 733	44 404 478	14 831 309	6.42	18			
19	NORTH AUCKLAND	60 536	69.12	..	..	..	..	..	366 513 569	..	116 756 490	160 703 891	14 540 888	5.08	19
20	NORTH CANTERBURY	33 449	59.49	..	..	..	..	..	171 374 022	..	83 118 617	46 427 937	10 742 868	7.18	20
21	OTAGO	33 322	53.43	..	..	..	..	..	155 954 082	..	89 885 202	49 762 926	16 955 984	10.49	21
22	OTAGO CENTRAL	24 487	57.42	55 746 944	..	..	..	..	67 428 428	..	69 943 815	40 006 563	11 992 586	9.79	22	
23	POVERTY BAY	41 079	50.78	..	..	..	..	..	182 727 915	..	114 291 191	54 383 846	14 034 838	7.69	23
24	SOUTH CANTERBURY	56 686	60.98	..	..	..	..	..	302 849 843	..	122 111 556	67 701 919	12 808 948	6.36	24
25	TARANAKI	27 817	65.23	23 698 680	..	..	..	..	135 315 309	..	79 977 547	67 571 216	11 405 236	7.18	25	
26	TARANUI	8 534	57.05	..	..	..	..	..	42 647 863	..	25 024 096	14 243 598	3 300 169	7.93	26
27	TASMAN	63 609	50.72	1 012 704	..	..	..	..	326 605 381	..	137 052 027	95 308 051	10 309 457	5.03	27	
28	TAURANGA	58 864	53.88	57 598 500 ⁷	..	..	..	..	220 278 982	..	159 181 286	79 427 377	16 539 897	6.38	28	
29	TE AWAMUNU	17 162	62.29	..	..	..	..	..	83 649 539	..	49 130 423	30 895 601	3 886 28	14.33	29
30	THAMES VALLEY	157 105	57.61	..	..	..	..	..	930 409 196	..	203 783 723	632 618 602	36 140 931	4.05	30
31	WAIKATO	38 657	54.18	3 535 420	..	..	..	..	179 933 609	..	113 406 713	58 429 972	11 633 044	6.34	31	
32	WAIKATO	9 772	54.75	..	..	..	..	..	46 867 128	..	14 419 504	10 717 387	2 022 717	7.52	32
33	WAIKATO	23 904	57.40	..	..	..	..	..	120 594 722	..	69 500 444	45 056 390	2 427 889	5.00	33
34	WAIKATO	236 164	45.07	..	..	127 340	..	..	932 365 879	..	636 354 044	241 488 120	54 656 035	5.86	34	
35	WAIKATO	22 689	57.55	15 485 500	..	..	..	..	98 907 868	..	56 831 139	44 865 811	11 110	4.93	35	
36	WANGANUI-RANGITIKEI	73 603	52.74	1 669 800	..	..	..	..	338 371 365	..	184 505 632	135 151 523	20 384 010	5.99	36	
37	WEST COAST	22 049	56.35	20 011 679	..	..	..	..	88 819 775	..	42 712 877	56 919 166	9 152 256	8.41	37	
		217 154 991	..	134 264	12 280 579 086	..	5 697 234 759	5 216 509 014	656 830 465	5.68	4 913					

(For notes see page 9.)

TABLE VII—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION FOR YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Maximum Load kW	Annual Factor %	Energy										Energy Sold (Average) Per Head of Population ¹ kWh	No.
				Generated			Purchased kWh	Generated and Purchased kWh	In Bulk for Resale kWh	Sold		Non- productive ¹ kWh	Percentage Non- productive ¹ %		
				Hydro kWh	Steam kWh	Oil/Gas kWh				Retail to Consumers					
										Domestic kWh	Non-domestic kWh				
1	Christchurch	334 784	41.60	154 235 200	220 063 822	220 063 822	40 870	706 717 398	379 303 126	54 002 428	4.43	4 605	1		
2	Dunedin	166 900	45.43	510 022 835	664 258 035	664 258 035	..	413 942 441	221 035 922	29 279 672	4.41	3 441	2		
3	Hamilton	32 040	40.52	113 727 600	113 727 600	113 727 600	..	51 111 250	55 066 152	7 530 201	6.83	4 481	3		
4	Invercargill	39 040	52.15	178 335 440	178 335 440	178 335 440	..	113 881 638	58 342 403	6 111 379	3.43	4 349	4		
5	Napier	15 150	49.98	66 334 500	66 334 500	66 334 500	..	30 309 447	32 836 614	3 168 439	4.78	5 242	5		
6	Nelson	17 360	54.55	82 950 560	82 950 560	82 950 560	..	45 568 115	31 582 961	5 000 084	6.99	4 582	6		
7	New Plymouth	46 119	55.82	209 175 904	225 533 904	225 533 904	..	123 020 582	87 259 515	13 233 609	6.76	4 291	7		
8	Pahiatua	41 852	47.26	173 248 400	173 248 400	173 248 400	20 760	114 339 907	49 599 798	3 305 483	5.37	5 895	8		
9	Tairāngia	11 444	43.50	23 015 000	43 677 631	43 677 631	..	16 364 140	23 713 370	3 468 438	7.97	7 422	9		
10	Timaru	19 968	57.25	100 148 320	100 148 320	100 148 320	..	59 476 586	35 431 915	5 239 819	5.23	4 793	10		
11	Wellington	178 563	45.32	708 976 424	708 976 424	708 976 424	..	390 738 339	286 147 822	32 090 763	4.53	5 585	11		
12	Whangarei	16 903	50.09	74 167 980	74 167 980	74 167 980	..	40 835 293	29 144 747	4 188 030	5.63	3 976	12		
		..	..	191 256 031	3 460 166 785	3 460 166 785	20 768	2 186 325 066	1 289 503 244	175 442 524	4.81	4 876	
1	Bluff	3 012	43.91	..	11 586 862	11 586 862	..	5 661 454	5 034 189	891 919	7.69	3 577	1		
2	Kaipoi	4 560	44.75	..	17 955 000	17 955 000	..	12 023 600	4 885 200	1 046 120	3.83	3 884	2		
3	Lyttelton	3 328	50.86	..	14 828 160	14 828 160	..	8 794 186	5 031 330	1 002 644	6.76	4 851	3		
4	Riccarton	11 616	45.90	..	45 786 070	45 786 070	..	24 522 980	19 277 640	1 985 440	4.74	6 023	4		
5	Tauramunui	4 758	44.16	4 838 040	13 569 210	18 407 250	8 590	10 262 953	6 783 203	1 552 504	7.35	4 230	5		
6	Taupo	20 076	56.56	17 185 760	82 283 040	99 468 800	..	43 643 804	49 504 955	6 320 041	6.35	5 628	6		
7	Te Aroha	3 098	43.97	..	11 733 258	11 733 258	..	7 846 921	3 670 827	1 215 510	1.84	3 577	7		
8	Thames-Coromandel D.C.	6 730	44.15	..	26 026 800	26 026 800	..	14 816 245	9 973 164	1 237 331	4.75	3 830	8		
9	Waikato	4 350	51.66	..	19 687 440	19 687 440	..	12 726 040	5 603 470	1 357 930	6.90	3 327	9		
10	Whakatane D.C.	8 436	48.04	..	35 500 635	35 500 635	..	22 734 874	10 503 128	2 262 633	6.57	5 609	10		
		..	..	22 023 800	278 956 475	300 980 275	8 590	163 093 067	120 267 186	17 671 432	5.87	4 523	
1	Heathcote	8 933	48.69	..	38 104 390	38 104 390	..	22 036 231	15 247 778	800 381	2.10	5 535	1		
2	Kaikoura	2 671	56.96	..	13 329 600	13 329 600	..	6 243 084	5 386 716	1 699 800	12.75	3 690	2		
		..	..	..	51 433 990	51 433 990	..	28 299 315	20 634 494	2 500 181	4.86	4 948	
	Sundry Private Plants	..	..	..	..	..	..	..	..	..	..	..
		..	..	..	18 698 663	18 698 663	18 698 663	..	..	..	..	..
1	Rotorua	51 561	49.59	..	223 962 957	223 962 957	..	126 443 213	78 731 576	18 681 558	8.34	3 657	1		
1	Southland	114 266	51.49	29 651 400	405 720 934	515 372 334	..	177 520 378	130 941 185	16 988 469	5.22	4 419	1		
		..	..	14 927 448 052	4 968 172 363	1 018 620 632	..	8 397 993 562	10 313 881 514	2 202 365 971	10.58	..	
	GRAND TOTALS	..	..	..	..	..	20 914 241 047	..	..	..	..	..

Energy generated per head of total population, 6 660 kWh.
 supply: New Zealand, 4 074 300 kW.
 Annual load factor: New Zealand, 58.60 percent.
 Energy generated per head of mean population, 6 702 kWh.
 Energy sold retail per head of mean population, 5 959 kWh.
 Maximum load for public supply, 5 996 kW.

NOTES—¹Includes kWh own use, losses on transmission and distribution, also losses on bulk supply to other supply authorities.
²Shown separately but included with New Zealand Electricity Department.
³Percentage of total kWh generated.
⁴Lloyd Mandeno Station of Tairāngia Joint Generation Committee (T.J.G.C.) jointly owned and operated by Tairāngia Electric Power Board and Tairāngia City Council.
⁵Tairāngia E.P.B. and Tairāngia C.C. jointly purchased from the New Zealand Electricity Department as the T.J.G.C. but the transaction has been treated as sales to Tairāngia E.P.B. and then part in bulk for resale to Tairāngia C.C. for the purpose of these statistics.
⁶Amalgamation of Waimea and Golden Bay Electric Power Boards.
⁷Amalgamation of Waitemata and Wairere Electric Power Boards.
⁸Level of non-productive altered by change in retail cyclic billing sequence.

TABLE VIII (PART I)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Income					Cost of Energy					No.
		Sales of Energy		Other Sources	Total	Operation and Maintenance ¹	Generation		Purchased ¹	Total		
		Retail	Bulk for Resale ¹				\$	\$			Capital Charges ²	
		\$	\$	\$	\$	\$	\$	\$	\$	\$		
1	NEW ZEALAND ELECTRICITY DEPARTMENT ⁴	20,594,924	187,240,530	1,023,663	208,859,117	74,009,722	101,452,071	175,461,793	14,501	175,476,294	1	
POWER BOARDS												
1	Ashburton ..	2,426,628	..	790,956	3,217,584	..	..	..	1,462,535	1,462,535	1
2	Auckland ..	48,493,684	..	1,193,438	49,687,122	..	..	..	33,349,747	33,349,747	2
3	Bay of Islands ..	3,135,835	..	165,133	3,300,968	..	..	..	1,751,309	1,751,309	3
4	Bay of Plenty ..	5,314,956	438,799	621,728	6,375,483	..	..	..	3,956,669	3,956,669	4
5	Buller ..	1,183,899	..	178,674	1,362,573	855	..	855	728,474	729,329	5	
6	Cambridge ..	1,093,063	..	30,549	1,123,612	..	..	..	726,437	726,437	6
7	Central Canterbury ..	6,485,962	5,953	354,208	6,846,123	..	..	..	3,741,627	3,741,627	7
8	Central Hawke's Bay ..	1,257,787	..	41,224	1,299,011	..	..	..	760,926	760,926	8
9	Central Waikato ..	7,766,988	979	568,271	8,336,238	..	..	..	4,764,892	4,764,892	9
10	Dannevirke ..	1,145,952	..	182,089	1,328,041	..	..	..	669,126	669,126	10
11	Egmont ..	2,699,075	..	47,826	2,746,901	10,505	..	10,505	1,610,692	1,621,197	11	
12	Franklin ..	3,346,852	5,819	210,748	3,563,419	..	..	..	2,132,394	2,132,394	12
13	Hawke's Bay ..	11,470,017	836,889	971,796	13,278,702	..	..	..	8,788,737	8,788,737	13
14	Horowhenua ..	5,070,773	..	597,165	5,667,938	..	..	..	3,047,832	3,047,832	14
15	Hutt Valley ..	20,343,926	..	1,051,258	21,395,184	..	..	..	12,498,095	12,498,095	15
16	King Country ..	1,206,699	220,751	255,241	1,682,691	32,211	59,264	91,475	798,713	890,188	16	
17	Manawatu-Oroua ..	4,922,178	2,203,308	399,502	7,524,988	..	..	..	5,012,731	5,012,731	17
18	Marlborough ..	2,829,053	..	225,225	3,054,278	38,640	..	38,640	1,464,498	1,503,138	18	
19	North Auckland ..	5,068,950	1,012,522	60,958	6,142,430	..	..	..	3,945,931	3,945,931	19
20	North Canterbury ..	2,987,500	410,537	597,689	3,995,726	..	..	..	2,012,708	2,012,708	20
21	Otago ..	2,765,076	..	675,995	3,441,071	..	..	..	1,879,995	1,879,995	21
22	Otago Central ..	1,946,085	8,639	1,154,125	3,108,849	51,128	18,758	69,886	869,455	939,341	22	
23	Poverty Bay ..	3,832,749	..	284,674	4,117,423	147	..	147	2,257,390	2,257,390	23	
24	South Canterbury ..	4,234,802	1,179,220	1,585,507	6,999,529	..	..	..	3,477,080	3,477,080	24
25	Taranaki ..	2,712,678	..	99,040	2,811,718	68,653	73,435	142,088	1,498,442	1,640,530	25	
26	Tararua ..	984,084	..	75,462	1,059,546	..	..	..	492,657	492,657	26
27	Tasman ⁵ ..	4,335,581	1,005,850	549,584	5,891,015	4,647	2,608	7,255	3,780,960	3,780,960	27	
28	Tauranga ¹⁰ ..	5,242,046	313,859	133,688	5,689,593	94,383	648,056	742,439	2,661,979	3,404,418	28	
29	Te Awamutu ..	1,471,193	..	56,431	1,527,913	..	..	..	1,058,144	1,058,144	29
30	Thames Valley ..	13,496,985	518,470	147,519	14,162,974	..	..	..	10,106,063	10,106,063	30

(For notes see page 14)

TABLE VIII—RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR YEAR ENDED 31 MARCH 1977—CONTINUED

TABLE VIII (PART I)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Income				Cost of Energy				No.	
		Sales of Energy		Other Sources	Total	Operation and Maintenance ²	Capital Charges ³	Total	Purchased ⁴		Total
		Retail	Bulk for Resale ⁵								
		\$	\$	\$	\$	\$	\$	\$	\$	\$	
31	Power Boards—continued	3,967,776	258,528	716,745	4,684,521	21,753	1,776	23,529	2,182,313	2,205,842	31
32	Wairarapa ..	540,009	..	201,977	1,000,514	..	..	..	565,438	565,438	32
33	Wairoa ..	2,542,019	..	747,091	3,289,110	..	..	..	1,424,243	1,424,243	33
34	Waikato ..	19,521,152	..	1,084,493	20,605,645	12,751	36,563	12,751	12,175,202	12,187,953	34
35	Waitemata ..	2,184,300	..	2,382,497	2,566,797	36,615	..	73,178	1,176,857	1,250,035	35
36	Waitomo ..	6,694,694	..	1,539,266	8,233,960	3,865	..	3,865	4,102,759	4,106,624	36
37	Wanganui-Rangitikei ..	2,509,305	316	1,772,979	3,282,600	117,380	101,978	218,758	1,070,853	1,289,611	37
	West Coast	217,230,311	8,420,728	18,750,751	244,401,790	493,533	941,838	1,435,371	144,003,756	145,439,127	
	CITY COUNCILS										
1	Christchurch ..	23,861,459	819	2,020,886	25,883,164	1,006,654	167,724	1,174,378	16,845,815	16,845,815	1
2	Dunedin ..	11,873,416	..	778,990	12,652,406	..	..	..	5,694,785	6,869,163	2
3	Hamilton ..	2,693,862	..	63,021	2,756,883	..	..	..	1,612,101	1,612,101	3
4	Invercargill ..	3,303,918	..	13,231	3,317,149	..	..	..	2,225,747	2,225,747	4
5	Napier ..	1,605,593	..	363,492	1,969,085	..	..	..	836,888	836,888	5
6	Nelson ..	1,694,705	..	18,812	1,713,517	204,494	..	204,494	1,005,851	1,005,851	6
7	New Plymouth ..	4,211,644	..	1,171,490	5,383,134	4,963	..	4,963	2,446,743	2,651,237	7
8	Palmerston North ..	3,264,996	..	72,235	3,337,231	70,728	2,824	73,552	2,203,308	2,208,271	8
9	Tauranga ..	773,920	886	25,391	799,597	..	..	..	313,859	387,411	9
10	Timaru ..	1,960,653	..	188,890	2,149,543	..	..	..	1,179,220	1,179,220	10
11	Wellington ..	13,858,103	..	914,870	14,772,973	..	..	..	9,340,457	9,340,457	11
12	Whangarei ..	1,516,386	..	53,890	1,570,276	..	..	..	1,012,034	1,012,034	12
		70,618,055	1,705	5,685,198	76,304,958	1,286,839	170,548	1,457,387	44,716,808	46,174,195	
	BOROUGH COUNCILS										
1	Bluff ..	230,656	..	101,496	332,152	..	..	..	161,790	161,790	1
2	Kaipoi ..	357,125	..	244,196	601,321	..	..	..	240,981	240,981	2
3	Lytelton ..	295,900	..	36,277	331,577	..	..	..	184,973	184,973	3
4	Riccarton ..	895,104	..	55,248	950,352	41,117	9,968	51,085	616,495	616,495	4
5	Taumarunui ..	334,233	175	9,293	343,701	..	..	..	220,751	271,836	5

(For notes see page 14)

TABLE VIII (PART I)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Cost of Energy										No.	
		Income					Cost of Energy						
		Sales of Energy		Other Sources	Total	Operation and Maintenance ^a	Capital Charges ^a	Total	Purchased ^a	Total			
Retail	Bulk for resale ^a												
6	Borough Councils — continued												
7	Taupo ..	\$ 1,924,174	\$..	\$ 99,239	\$ 2,023,413	\$ 20,002	\$ 33,125	\$ 53,127	\$ 990,282	\$ 1,043,409	6		
8	Te Aroha ..	250,149	..	7,562	257,711	..	..	..	161,389	161,389	7
9	Thames-Coromandel D.C. ..	547,946	..	17,657	565,603	..	..	..	355,192	355,192	8
10	Waikato ..	383,962	..	1,634	385,596	..	..	..	258,527	258,527	9
	Whakatane D.C. ..	732,218	..	10,727	802,945	..	..	..	438,799	438,799	10
		6,010,867	175	583,329	6,594,371	61,119	43,093	104,212	3,629,179	3,733,391			
1	County Councils												
2	Heathcote ..	687,480	..	20,596	708,076	..	..	..	490,429	490,429	1
	Kaikoura ..	300,181	..	107,962	408,143	..	..	..	169,556	169,556	2
		987,661	..	128,558	1,116,219	..	..	..	659,985	659,985	
1	Area Electric Authority												
	Rotorua ..	4,679,373	1,493	206,645	4,887,511	..	..	..	2,817,588	2,817,588	1
1	Government Department												
	Southland ^b ..	..	..	..	..	..	..	..	..	..	1
	Totals ..	320,121,191	195,664,631	26,378,144	542,163,966	75,851,213	102,607,550	178,458,763	195,841,817	374,300,580			
	Less bulk for resale ..	..	195,664,631	..	195,664,631	..	..	..	195,664,631	195,664,631	
	Net income and cost ..	320,121,191	..	26,378,144	346,499,335	75,851,213	102,607,550	178,458,763	177,186 ^c	178,635,949			

(For notes see page 14)

TABLE VIII (PART II)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Cost of Energy Total	Cost of Transmission and Distribution				Total	Administration and General Expenditure	Installation and Appliance Sales and Servicing Expenditure	Total Annual Costs	Net Results Surplus	Appropriation of Surplus for Capital Works	No.
			Operation and Maintenance	Capital Changes ^a	Other Costs ^b	Total							
1	NEW ZEALAND ELECTRICITY DEPARTMENT ^a	\$ 175,476,294	\$ 12,169,876	\$ 33,456,899	\$..	\$ 45,626,775	\$ 18,550,798	\$..	\$ 239,653,867	\$ -30,794,750	\$..	1	
	POWER BOARDS												
1	Ashburton ..	1,462,535	284,424	325,500	56,617	666,541	326,642	686,773	3,142,491	75,093	279,780	2	
2	Auckland ..	33,349,747	4,203,946	3,781,121	1,733,890	9,720,957	3,648,954	284,016	47,003,674	2,683,448	2,068,026	3	
3	Bay of Islands ..	1,751,309	497,330	557,685	99,503	1,154,548	265,979	76,546	3,248,352	52,616	..	4	
4	Bay of Plenty ..	3,956,669	317,443	834,381	202,752	1,354,576	449,610	525,140	6,285,995	89,488	124,696	5	
5	Buller ..	729,329	85,992	108,670	28,608	223,270	131,618	153,408	1,237,625	124,948	74,965	6	
6	Cambridge ..	726,437	94,903	65,429	12,647	172,979	85,069	..	984,485	199,127	19,842	7	
7	Central Canterbury ..	3,741,627	205,954	612,662	167,481	986,097	815,879	272,201	5,815,804	1,030,319	789,315	8	
8	Central Hawke's Bay ..	1,760,926	129,292	68,878	2,627	200,797	130,410	..	1,092,133	206,878	104,284	9	
9	Central Waikato ..	4,784,892	635,115	1,456,615	149,381	2,241,111	813,429	355,655	8,175,087	161,151	..	10	
10	Dannevirke ..	669,126	115,414	109,379	49,307	274,100	139,877	161,619	1,244,722	83,319	43,147	11	
11	Egmont ..	1,621,197	274,252	103,601	124,406	502,259	354,314	..	2,477,770	269,131	348,905	12	
12	Franklin ..	2,132,394	191,185	590,713	89,172	871,070	297,074	182,015	3,482,553	80,866	36,263	13	
13	Hawke's Bay ..	8,788,737	877,943	891,532	212,393	1,981,868	817,170	645,607	12,233,382	1,045,320	676,713	14	
14	Horowhenua ..	3,047,832	534,539	783,027	177,632	1,495,198	433,006	399,337	5,375,373	292,565	163,224	15	
15	Hutt Valley ..	12,496,095	2,340,318	3,097,881	565,912	6,004,111	1,857,219	830,739	21,190,164	205,020	350,000	16	
16	King Country ..	890,188	175,295	201,886	81,648	458,829	129,929	63,213	1,542,159	140,532	..	17	
17	Manawatu-Oroua ..	5,012,731	710,038	705,839	18,848	1,434,594	432,694	335,780	7,215,799	309,189	347,426	18	
18	Marlborough ..	1,503,138	384,005	436,839	78,241	899,085	373,410	31,447	2,807,080	247,198	142,001	19	
19	North Auckland ..	3,945,931	411,400	851,141	274,524	1,537,065	567,665	..	6,050,661	91,769	29,092	20	
20	North Canterbury ..	2,012,708	397,042	362,072	60,191	819,305	376,047	438,586	3,646,646	349,080	127,884	21	
21	Otago ..	1,879,995	270,719	336,668	66,683	674,070	258,729	553,018	3,365,812	75,259	76,789	22	
22	Otago Central ..	939,341	197,498	313,537	25,888	536,923	256,108	912,811	2,645,183	463,666	184,550	23	
23	Poverty Bay ..	2,257,390	581,381	478,532	143,586	1,203,499	454,254	176,932	4,092,075	25,348	7,064	24	
24	South Canterbury ..	3,477,080	260,191	419,988	128,590	808,769	481,088	1,229,106	5,996,043	1,003,486	663,869	25	
25	Taranaki ..	1,640,530	250,330	247,891	54,144	552,365	301,840	26,037	2,520,772	290,946	153,995	26	
26	Taranui ..	492,657	92,908	145,069	39,894	277,871	116,463	53,799	940,790	118,756	84,970	27	
27	Tasman ^b ..	3,788,215	402,576	673,083	92,144	1,167,803	471,701	339,382	5,767,101	123,914	3,093	28	
28	Tauranga ^c ..	3,404,418	545,602	562,079	304,316	1,411,997	431,371	..	5,247,786	441,807	349,800	29	
29	Te Awamutu ..	1,050,144	109,532	207,161	71,144	387,837	146,928	11,834	1,604,743	-76,830	39,261	30	
30	Thames Valley ..	10,106,063	1,202,227	1,135,159	250,926	2,588,312	939,470	..	13,633,845	529,129	156,745	31	
31	Wairarapa ..	2,205,842	371,714	685,720	223,349	1,280,783	391,276	561,731	4,439,632	244,889	5,116	32	
32	Waioara ..	565,438	49,653	61,466	16,969	128,088	89,411	159,003	935,940	64,574	2,586	33	
33	Waitaki ..	1,424,243	327,127	292,532	51,086	670,745	189,984	684,529	2,969,501	319,609	169,415	34	
34	Waitemata ..	12,187,953	2,589,684	2,824,439	287,379	5,701,522	1,794,421	548,710	20,232,606	373,039	..	35	
35	Waitomo ^b ..	1,250,035	203,534	440,750	74,928	719,212	245,451	272,249	2,486,947	79,850	86,511	36	
36	Wanganui-Rangitikei ..	4,106,624	671,369	721,394	172,414	1,565,177	594,731	1,273,252	7,539,784	694,176	303,224	37	
37	West Coast ..	1,289,611	327,667	405,784	44,024	777,475	534,958	562,893	3,164,927	117,673	389,332		
		145,439,127	21,319,542	25,895,992	6,235,244	53,450,778	20,144,179	12,801,358	231,835,442	12,566,348	8,401,883		

TABLE VIII (PART II)—FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Cost of Energy Total		Cost of Transmission and Distribution					Administration and General Expenditure	Installation and Appliance Sales and Servicing Expenditure	Total Annual Costs	Net Results Surplus	Appropriation of Surplus for Capital Works	No.
		Operation and Maintenance	Capital Charges ^a	Other Costs ^b	Total	Cost of Transmission and Distribution								
						Operation and Maintenance	Capital Charges ^a							
CITY COUNCILS														
1	Christchurch	16,845,815	1,987,888	394,050	3,923,840	1,480,349	1,516,615	23,766,619	2,116,545	807,316	1			
2	Dunedin	6,869,163	936,742	197,917	2,409,764	1,355,438	415,237	11,049,602	1,602,804	894,982	2			
3	Hamilton	1,612,101	8,630	36,826	291,306	339,553	..	2,242,960	513,923	312,227	3			
4	Invercargill	2,225,747	239,616	104,817	534,604	271,003	289,856	3,031,354	285,795	242,074	4			
5	Napier	836,888	275,943	86,224	446,777	188,997	..	1,762,518	206,567	138,022	5			
6	Nelson	1,005,851	83,385	72,498	382,332	152,557	..	1,540,740	172,777	123,689	6			
7	New Plymouth	2,651,237	276,866	153,390	789,039	327,819	1,086,854	4,855,009	528,125	220,709	7			
8	Palmerston North	2,208,271	237,029	43,727	439,439	360,977	23,180	3,033,867	303,364	249,925	8			
9	Tauranga	387,411	39,799	29,088	97,456	96,695	..	581,562	218,035	159,548	9			
10	Timaru	1,179,220	148,596	94,157	362,619	178,889	127,578	1,848,306	301,237	128,263	10			
11	Wellington	9,340,457	1,153,176	811,387	3,003,625	1,336,896	581,003	14,261,981	510,992	688,912	11			
12	Whangarei	1,012,034	58,672	82,349	297,435	134,974	31,137	1,385,580	184,696	153,160	12			
BOROUGH COUNCILS														
1	Bluff	46,174,195	5,446,342	2,106,430	12,888,296	6,224,147	4,073,460	69,360,098	6,944,860	4,120,227	..			
2	Kaitiaki	161,790	32,921	2,558	46,532	29,321	72,729	310,972	21,180	677	1			
3	Kaitiaki	240,981	8,334	26,119	66,476	80,459	199,291	587,207	14,114	24,444	2			
4	Riccarton	184,973	46,603	4,007	59,813	43,994	28,795	317,575	14,002	3,420	3			
5	Taumarunui	616,495	92,762	5,388	146,394	107,543	45,492	915,924	34,428	59,592	4			
6	Taupo	271,836	39,278	6,711	60,335	12,576	..	344,747	-1,046	..	5			
7	Te Aroha	1,043,409	63,362	54,317	400,701	301,275	..	1,745,385	278,028	67,859	6			
8	Thames-Coromandel D.C.	161,389	34,748	11,815	59,949	36,775	3,032	261,145	-3,434	7,297	7			
9	Wauroa	355,192	14,124	17,933	43,740	49,243	15,935	464,110	101,493	18,291	8			
10	Whakatane D.C.	258,527	19,389	24,432	72,885	38,180	..	369,592	16,004	28,021	9			
		438,799	27,198	16,297	81,280	100,844	..	620,923	182,022	95,698	10			
		3,733,391	376,278	169,577	1,038,105	800,810	365,274	5,937,580	656,791	305,299	..			
1	Heathcote	490,429	111,857	10,973	219,766	57,803	1,587	769,585	-61,509	70	1			
2	Kaikoura	169,556	29,070	17,019	121,515	31,001	76,956	399,028	9,115	19,283	2			
		659,985	140,927	27,992	341,281	88,804	78,543	1,168,613	-52,394	19,353	..			
1	Roturia	2,817,588	583,011	155,294	1,191,519	514,973	..	4,524,080	363,431	91,140	1			
1	Southland ³	..	..	..	..	..	..	..	..	..	..
	Totals	374,300,580	96,936	10,973	219,766	57,803	1,587	769,585	-61,509	70	1			
	Less bulk for resale	195,664,631	75,426	17,019	121,515	31,001	76,956	399,028	9,115	19,283	2			
	Net income and cost	178,635,949	172,362	27,992	341,281	88,804	78,543	1,168,613	-52,394	19,353	..			
		..	453,214	155,294	1,191,519	514,973	..	4,524,080	363,431	91,140	1			
		39,826,796	66,015,421	8,694,537	114,536,754	46,323,711	17,318,635	552,479,680	-10,315,714	12,937,902	..			
		..	..	..	..	..	..	195,664,631	..	..	..
		178,635,949	66,015,421	8,694,537	114,536,754	46,323,711	17,318,635	552,479,680	-10,315,714	12,937,902	..			

Notes—¹Transactions between supply authorities adjusted to lower figures where rebate known.
²Actual running costs including transport, wages, stores, and maintenance.
³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹¹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹²Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²¹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²²Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
²⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³¹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³²Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
³⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴¹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴²Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁴⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵¹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵²Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁵⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶¹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶²Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁶⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷¹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷²Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁷⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸¹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸²Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁸⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹¹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹²Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹³Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹⁴Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹⁵Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹⁶Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹⁷Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹⁸Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
⁹⁹Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.
¹⁰⁰Includes cost of Great Lighting mainline with the Taumanga Electric Power Board.

TABLE IX—ANALYSIS OF CAPITAL CHARGES FOR THE YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Interest		Sinking Fund and Principal Repayments		Depreciation		Renewals out of Income		Total		Grand Total	No.
		Generation	Transmission and Distribution	Generation	Transmission and Distribution	Generation	Transmission and Distribution	Generation	Transmission and Distribution	Generation	Transmission and Distribution		
1	NEW ZEALAND ELECTRICITY DEPARTMENT ¹	\$ 66,920,692	\$ 23,523,519	\$ 12,989,332	\$ 4,565,995	\$ 21,541,847	\$ 5,367,385	\$..	\$..	\$ 101,452,071	\$ 33,456,899	\$ 134,908,970	1
1	Ashburton	..	65,712	..	73,100	..	106,688	..	..	..	325,500	325,500	2
2	Auckland	..	1,094,437	..	1,721,088	..	965,596	..	..	..	3,781,121	3,781,121	3
3	Bay of Islands	..	206,599	..	208,231	..	..	..	..	..	557,685	557,685	4
4	Bay of Plenty	..	141,688	..	272,289	..	328,916	..	..	..	834,381	834,381	5
5	Buller	..	38,495	..	46,036	..	..	..	..	..	108,670	108,670	6
6	Cambridge	..	4,242	..	..	..	61,187	..	..	..	65,429	65,429	7
7	Central Canterbury	..	156,834	..	241,004	..	56,952	..	..	..	612,662	612,662	8
8	Central Hawke's Bay	..	10,236	..	31,396	..	..	..	..	..	68,878	68,878	9
9	Central Waikato	..	302,488	..	69,876	..	610,500	..	..	..	1,456,615	1,456,615	10
10	Dannevirke	..	4,950	..	4,141	..	100,288	..	..	..	109,379	109,379	11
11	Egmont	..	30,697	..	72,904	..	..	..	..	..	103,601	103,601	12
12	Franklin	..	93,185	..	..	..	399,495	..	..	..	590,713	590,713	13
13	Hawke's Bay	..	210,875	..	426,395	..	100,000	..	..	..	891,532	891,532	14
14	Horowhenua	..	272,605	..	314,815	..	195,607	..	..	..	783,027	783,027	15
15	Hutt Valley	..	723,688	..	1,262,893	..	1,111,300	..	..	..	3,097,881	3,097,881	16
16	King Country	40,064	42,807	19,200	65,710	..	93,369	..	..	59,264	201,886	261,150	17
17	Manawatu-Oroua	..	122,416	..	138,900	..	346,807	..	..	..	705,708	705,708	18
18	Marlborough	..	137,420	..	214,467	..	..	..	..	..	436,839	436,839	19
19	North Auckland	..	198,414	..	537,872	..	..	..	..	..	851,141	851,141	20
20	North Canterbury	..	151,132	..	81,101	..	2,000	..	..	..	362,072	362,072	21
21	Otago	..	73,426	..	108,366	..	..	..	..	..	336,668	336,668	22
22	Otago Central	7,045	117,834	..	94,252	1,536	22,924	2,255	..	19,758	313,537	332,295	23
23	Poverty Bay	..	196,083	..	235,742	..	..	..	..	..	478,532	478,532	24
24	South Canterbury	..	158,790	..	137,016	..	..	..	..	..	419,988	419,988	25
25	Taranaki	11,895	38,076	61,486	40,061	..	..	54	..	73,435	321,326	321,326	26
26	Taranaki	..	23,338	..	25,229	..	96,502	..	..	..	145,069	145,069	27
27	Tasman ⁴	..	103,328	..	123,920	2,608	410,676	..	..	2,608	675,691	675,691	28
28	Tauranga ³	526,922	192,458	121,194	313,868	..	55,753	..	..	648,056	562,079	1,210,135	29
29	Te Awamutu	..	1,967	..	1,343	..	117,851	..	..	..	207,161	207,161	30
30	Thames Valley	..	349,907	..	355,028	..	..	..	..	..	1,135,159	1,135,159	31
31	Wairarapa	..	259,299	..	33,376	..	393,045	..	..	1,776	685,720	685,720	32
32	Waioara	..	13,026	..	20,894	..	23,600	..	..	..	61,466	61,466	33
33	Waikato	..	55,961	..	77,416	..	..	..	..	..	292,532	292,532	34
34	Waitemata	..	836,574	..	1,204,265	..	..	..	..	..	2,824,459	2,824,459	35
35	Waitemoa ⁵	11,970	99,025	14,341	173,257	..	..	10,252	..	36,563	440,750	477,313	

(For notes see page 17.)

TABLE IX—ANALYSIS OF CAPITAL CHARGES FOR THE YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Interest		Sinking Fund and Principal Repayments		Depreciation		Renewals out of Income		Total		Grand Total	No.
		Generation	Transmission and Distribution	Generation	Transmission and Distribution	Generation	Transmission and Distribution	Generation	Transmission and Distribution	Generation	Transmission and Distribution		
36	POWER BOARDS—continued												
37	Wanganui-Rangitikei	\$ 32,436	\$ 191,262	\$ 31,498	\$ 291,056	\$ 37,444	\$ 101,203	\$..	\$ 137,873	\$ 101,378	\$ 721,394	\$ 721,394	36
	West Coast	630,332	6,775,460	255,581	9,100,866	49,364	5,980,228	12,561	4,039,438	941,838	25,895,992	507,162	37
												26,837,830	
1	CITY COUNCILS												
2	Christchurch	2,379	218,099		298,711	165,345	1,471,078			167,724	1,987,888	1,987,888	1
3	Dunedin		164,998		160,089		611,655				936,742	1,104,466	2
4	Hamilton				63,375				8,630		8,630	8,630	3
5	Invercargill		84,794		47,756				91,447		239,616	239,616	4
6	Napier		102,966				87,811		37,410		275,943	275,943	5
7	Nelson						89,385				83,385	83,385	6
8	New Plymouth		55,632		58,700				162,534		276,866	276,866	7
9	Palmerston North		7,359		2,723				226,947		237,029	237,029	8
10	Tauranga		25,585		557			2,824	38,657	2,824	39,799	42,623	9
11	Timaru		25,610		28,039		94,947				148,596	148,596	10
12	Wellington		363,206		320,292		469,678				1,153,176	1,153,176	11
	Whangarei						22,623		36,049		58,672	58,672	12
		2,379	1,023,249		980,242	165,345	2,841,177	2,824	601,674	170,548	5,446,342	5,616,890	
1	BOROUGH COUNCILS												
2	Bluff						188		10,865		11,053	11,053	1
3	Kaipoi		4,030		2,853				25,140		32,023	32,023	2
4	Lytelton								9,203		9,203	9,203	3
5	Riccarton	8,780	10,324	1,188	14,000				23,920		48,244	48,244	4
6	Taumarunui								14,346	9,968	24,314	24,314	5
7	Taupo	11,741	116,517	16,349	113,563		46,890		6,052	33,125	283,022	316,147	6
8	Te Aroha		3,613		2,476				7,297		13,386	13,386	7
9	Thames-Coromandel D.C.		77		1,240				12,807		14,124	14,124	8
10	Waioa		4,175		2,232				22,657		29,064	29,064	9
	Whakatane D.C.		3,227		10,521		13,532		10,505		37,785	37,785	10
		20,521	141,963	17,537	146,885	5,035	60,610		142,792	43,093	492,250	535,343	

(For notes see page 17.)

TABLE IX—ANALYSIS OF CAPITAL CHARGES FOR THE YEAR ENDED 31 MARCH 1976—continued

No.	Supply Authorities	Interest		Sinking Fund and Principal Repayments		Depreciation		Renewals out of Income		Total		Grand Total	No.
		Generation	Transmission and Distribution	Generation	Transmission and Distribution	Generation	Transmission and Distribution	Generation	Transmission and Distribution	Generation	Transmission and Distribution		
1	County Councils	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	1
2	Heathcote	..	12,731	..	14,195	..	84,931	..	111,857	..	111,857	111,857	1
	Kaikoura	..	5,308	..	3,113	..	20,649	..	29,070	..	29,070	29,070	2
		..	18,039	..	17,308	..	105,580	..	140,927	..	140,927	140,927	
1	Area Electric Authority	..	253,529	..	116,007	..	213,475	..	583,011	..	583,011	583,011	1
	Rotorua	..	..	..	..	..	..	..	..	..	..	..
	Government Department	..	..	..	..	..	..	..	..	..	..	..
1	Southland ²	..	..	..	..	..	..	..	..	..	..	..	1
	GRAND TOTALS	67,573,924	31,735,759	13,262,650	14,927,303	21,755,591	14,462,875	15,385	4,889,484	102,607,550	66,015,421	168,622,971	
		68,232,400	872,400	272,118	70,313,308	213,744	9,954,900	18,365	4,889,484	111,547,333	22,518,122	33,765,455	

Notes—¹Includes Southland Electric Power Supply, ²Included with New Zealand Electricity Department, ³As for note 8, table VII, and as a result the operations of the T.J.G.C. have been included with the Tauranga Electric Power Board, ⁴Amalgamation of Waimea and Golden Bay Electric Power Boards, ⁵Amalgamation of Waikato and Waikare Electric Power Boards.

TABLE X (PART I)—ANALYSIS OF LIABILITIES AND RESERVES FOR YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Liabilities				Reserves								Total	No.
		Loans Raised During Year	Public Debt		Sundry Creditors	Loans Repaid Reserve	Capital Expenditure from Income	Sinking Fund Reserves for Future Loan Repayment	Depreciation Reserve	Renewal Fund Reserve	General and Other Reserves*	Net Appropriation Account Surplus*			
			From Renewal Loans	Loans Repaid During Year											
				From Income and Sinking Fund									Gross Loan Liability as at 31 March 1977		
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			
1	New Zealand Electricity Department ⁴	252,646,554*	17,555,527	1,564,098,977	27,562,729	..	266,772,486	..	142,468,944	..	..	2,000,303,136	1	
Power Boards															
2	Ashburton	289,000	..	1,159,005	812,398	73,100	2,517,318	..	..	..	56,425	112,297	7,719,047	2
3	Auckland	5,306,680	..	18,211,156	7,865,625	1,721,088	17,672,775	..	..	9,184,746	9,184,746	1,994,728	94,260,501	3
4	Bay of Islands	581,300	..	9,506,399	494,670	208,231	820,603	..	..	..	..	9,328	9,642,456	4
5	Buller	455,775	..	2,553,053	1,165,728	180,053	3,169,729	..	..	59,839	165,055	446,604	10,182,755	5
6	Cambridge	..	..	613,144	462,206	52,538	756,313	..	..	31,964	..	107,413	2,403,383	6
7	Central Canterbury	108,000	..	108,000	230,132	..	..	..	..	..	..	205,764	1,989,132	7
8	Central Hawke's Bay	296,630	..	2,593,928	1,156,688	185,246	5,668,349	..	..	..	56,742	1,176,701	15,322,886	8
9	Central Waikato	1,423,200	..	5,413,084	2,221,949	31,506	1,194,921	..	..	480,691	..	265,036	3,075,212	9
10	Dannevirke	..	..	98,391	355,326	282,655	3,404,604	..	..	563,385	..	983,816	17,409,613	10
11	Egmont	150,000	..	578,615	487,607	1,609	2,123,787	..	..	49,332	..	81,642	1,989,132	11
12	Franklin	252,720	..	1,594,831	609,376	57,125	3,108,235	..	..	..	..	214,452	5,757,353	12
13	Hawke's Bay	909,840	..	3,793,044	1,921,331	65,169	2,440,306	..	..	..	..	587,515	8,764,337	13
14	Horoiti	1,038,580	..	4,349,359	1,134,102	269,989	4,793,872	..	..	..	..	873,214	19,267,946	14
15	Hutt Valley	2,485,630	..	11,739,357	4,534,060	1,211,775	18,098,532	..	..	..	..	288,383	33,278,719	15
16	King Country	..	..	63,602	296,660	69,602	..	..	..	..	..	2,080,155	37,878,619	16
17	Manawatu-Oroua	225,650	..	1,643,271	506,660	198,260	2,734,071	..	..	..	..	363,142	7,115,279	17
18	Marlborough	329,840	..	1,940,267	1,550,798	198,260	4,360,562	..	..	..	..	615,251	12,580,744	18
19	North Auckland	900,500	..	2,729,157	567,949	206,528	1,823,832	..	..	..	..	349,101	8,403,778	19
20	North Canterbury	310,000	100,000	4,760,089	1,188,108	309,572	3,192,681	..	..	..	..	554,863	13,344,132	20
21	Otago	334,000	..	2,762,161	941,109	78,662	1,874,188	..	..	..	..	342,116	16,481,103	21
22	Otago Central	188,960	..	1,613,294	596,724	79,992	2,196,235	..	..	..	..	99,045	8,741,468	22
23	Powder Bay	352,900	96,000	1,977,670	323,252	102,400	2,712,720	..	..	..	..	147,893	7,948,022	23
24	South Canterbury	258,500	59,449	3,219,827	931,587	235,742	888,627	..	..	..	..	57,306	9,946,181	24
25	Taranaki	..	..	2,664,809	1,304,795	117,483	3,211,051	..	..	..	..	1,559,509	13,344,132	25
26	Taranaki	..	..	796,775	366,778	96,319	2,249,042	..	..	..	..	389,147	6,662,701	26
27	Taranaki	226,200	..	490,027	18,595	13,728	821,014	..	..	..	..	205,239	2,513,239	27
28	Taranaki	336,350	..	1,746,957	930,909	120,740	3,747,105	..	..	..	..	248,023	7,948,022	28
29	Te Awamutu	2,335,130	70,000	13,699,352	1,339,494	309,889	1,895,251	..	..	..	..	382,580	22,639,861	29
30	Thames Valley	684,600	..	5,612,558	2,860,452	298,479	4,805,042	..	..	..	..	67,922	3,093,808	30
31	Waikato	700,000	..	4,481,434	1,202,077	255,583	985,512	..	..	..	..	1,544,249	22,106,568	31
32	Waikato	..	..	201,871	294,457	20,888	412,128	..	..	..	..	832,760	12,173,903	32
33	Waikato	169,700	..	806,541	585,410	142,095	1,740,859	..	..	..	..	114,072	1,479,350	33
34	Waikato	86,600	..	14,122,703	4,835,811	220,491	3,569,388	..	..	..	..	307,751	6,754,382	34
35	Waikato	..	..	1,734,526	2,861,024	..	1,436,625	..	..	..	..	304,362	37,980,639	35
36	Waikato-Rangitikei	485,000	..	3,931,844	1,300,883	360,974	3,876,555	..	..	..	..	696,786	15,915,931	36
37	West Coast	1,534,400	..	3,097,839	1,469,901	70,964	2,265,726	..	..	..	..	948,245	9,403,561	37
		26,004,955	400,449	130,440,360	46,478,096	9,114,460	119,379,185	13,043,469	139,054	90,427,806	20,337,236	499,418,802			

(For notes see page 21.)

TABLE X (PART I)—ANALYSIS OF LIABILITIES AND RESERVES FOR THE YEAR ENDED 31 MARCH 1977

No.	Liabilities										Reserves				
	Supply Authorities					Public Debt					Sinking Fund Reserves for Future Loan Repayment	Depreciation Reserve	Renewal Fund Reserve	General and Other Reserves ¹	
	Loans Raised During Year	From Renewal Loans	From Income and Sinking Fund	Loans Repaid During Year	Gross Loan Liability as at 31 March 1977	Sundry Creditors	Loans Repaid Reserve ¹	Capital Expenditure from Income	Loans Repaid Reserve ¹	Loans Repaid Reserve ¹					
1	869,000	385,000	275,506	3,589,824	4,570,812	9,195,412	5,131,921	909,225	20,976,427	2,504,632	1,268,917	11,418			
2	400,000	200	199,010	2,983,219	1,517,956	9,989,981	19,922,473	1,036,503	37,002	..	8,581,512	697,991			
3	151,787	11,787	60,800	1,464,331	859,264	639,612	3,814,071	125,175	1,312	..	..	2,072,713	
4	260,800	21,800	5,370	1,753,630	359,566	260,600	1,171,139	207,070	..	..	3,181	478,729	
5	..	..	..	..	309,763	759,184	2,119,995	76,574	202,905	..	106,157	736,653
6	205,400	..	42,491	1,089,096	406,684	759,184	3,682,732	6,635	6,635	..	..	1,813,879	
7	..	..	2,723	107,277	564,981	19,309	3,397,131	3,945	3,945	..	6,327	280,842	
8	89,000	..	557	92,210	73,199	308,467	1,751,709	39,919	395,722	..	104,735	267,048			
9	115,400	..	20,540	415,296	218,010	430,457	1,914,497	14,062	42,739	..	..	..
10	412,366	123,966	244,009	6,226,265	2,314,865	3,133,114	12,125,842	1,292,005	200,532	2,870,564	451,974	43,420			
11	..	..	..	..	246,237	3,170,059	994,861	..	26,116	..	..	..
12	2,603,753	543,553	851,014	17,721,648	11,046,247	24,850,284	52,506,814	3,702,127	21,892,215	5,983,216	10,522,003	7,922,021			
1	..	..	..	..	11,279	33,590	186,257	..	1,369	..	319,048	67,679
2	..	..	..	..	179,161	18,000	31,299	3,145	1,987	..	..	62,215
3	..	..	..	..	45,605	5,000	267,004	90,470	33,769	..	55,936	27,919
4	13,800	..	..	..	130,130	190,400	475,608	..	41,835	..	673	..
5	..	..	..	..	83,031	160,573	235,890	..	21,635	..	..	..
6	467,920	65,015	2,471,755	379,995	966,705	1,039,623	311,563	169,465	..	61,158	227,589	5,626,1			
7	..	2,476	53,069	53,774	25,092	917,208	2,238	24,809	..	..	..	374,0
8	..	1,921	2,564	94,052	29,359	309,751	..	41,584	..	..	67,328	546,87	
9	28,000	2,232	96,644	66,672	4,956	359,065	19,060	246	..	1,248	..	520,831			
10	..	9,040	43,964	109,727	298,691	795,534	..	59,894	..	57,748	135,311	1,443,129			
1	509,720	82,559	3,036,078	1,173,454	1,597,455	3,937,239	426,476	488,178	21,655	495,811	588,041	11,784,307			
2	34,000	14,196	188,023	138,555	126,077	954,495	..	4,773	..	..	52,654	791,923	
3	44,000	9,113	109,547	47,732	271,576	203,981	..	626	..	..	..	686,116
4	78,000	17,909	277,570	186,287	997,659	558,476	..	5,399	..	..	52,654	1,478,039	
5	116,800	82,000	2,920,260	297,429	217,590	1,536,839	54,149	86,875	229,154	646,257	5,890,561	..			
6	18,499,529	10,147,436	1,718,514,893	80,744,842	156,964,949	177,920,553	13,453,669	302,288,622	184,144,518	20,947,009	2,674,529,180	..			
7	292,039,702	..	..	..	..	..	..	..	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..

(For notes see page 21.)

TABLE X (PART II)—ANALYSIS OF ASSETS FOR YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Total	Assets						Total Capital Expenditure*	Net Appropriation Account Debit*	Annual Increase in Total Capital Expenditure*	No.
			Sundry Debtors	Income and Reserve—Cash and Investments	Loan Accounts—Cash and Investments	Stocks and Materials*						
1	NEW ZEALAND ELECTRICITY DEPARTMENT*	\$ 2,000,903,136	\$ 40,362,669	\$ 2,195,424.11	\$..	\$ 34,773,287	\$ 1,923,571,756	\$..	\$ 242,181,978	1		
1	Ashburton ..	7,719,047	405,625	145,134	23,900	937,998	6,206,800	..	455,470	2		
2	Auckland ..	94,260,501	4,043,797	8,207,059	300,000	3,977,680	77,731,615	..	6,628,406	3		
3	Bay of Islands ..	9,642,456	464,106	668,567	115,727	452,048	9,147,615	..	705,732	4		
4	Bay of Plenty ..	10,182,755	1,224,729	630,383	195,000	696,355	7,436,243	..	403,719	5		
5	Buller ..	2,403,883	219,061	156,108	110,298	167,697	1,736,719	..	175,552	6		
6	Cambridge ..	1,989,132	86,436	258,228	143,907	144,951	1,499,517	..	204,364	7		
7	Central Canterbury ..	15,922,886	1,230,400	7,141,246	143,907	1,083,353	12,093,889	..	1,065,397	8		
8	Central Hawke's Bay ..	3,075,212	196,962	236,859	11,863	163,996	2,403,253	..	133,782	9		
9	Central Waikato ..	17,409,613	1,329,329	530,200	6,000	1,190,496	14,512,725	..	1,395,274	10		
10	Dunedin ..	2,621,827	143,782	61,480	..	194,468	2,216,177	..	147,765	11		
11	Egmont ..	5,757,353	342,122	245,552	74,429	288,015	4,807,295	..	425,905	12		
12	Franklin ..	8,764,337	638,730	263,050	127,166	499,953	7,115,403	..	413,520	13		
13	Hawke's Bay ..	19,267,346	1,695,656	789,083	134,145	1,206,320	15,432,254	..	1,523,263	14		
14	Horowhenua ..	13,278,713	505,779	462,577	640,515	693,815	10,886,257	..	1,816,235	15		
15	Hutt Valley ..	37,878,619	2,927,076	1,662,865	318,180	2,537,523	30,432,975	..	1,963,848	16		
16	King Country ..	7,115,279	172,234	145,005	550,000	64,858	4,876,282	..	121,233	17		
17	Manawatu-Oroua ..	12,580,744	1,538,316	1,032,935	19,240	578,893	9,946,869	..	703,127	18		
18	Marlborough ..	8,403,778	369,118	82,835	77,646	466,114	7,154,585	..	507,639	19		
19	North Auckland ..	16,481,193	1,023,168	889,833	18,569	437,174	14,119,548	..	493,217	20		
20	North Canterbury ..	8,025,601	829,294	386,772	78,860	502,953	6,223,702	..	552,165	21		
21	Otago ..	8,741,468	455,725	719,420	42,609	639,053	6,884,652	..	389,765	22		
22	Otago Central ..	7,940,022	660,107	484,087	161,810	643,297	5,806,522	..	439,874	23		
23	Poverty Bay ..	9,946,181	356,148	97,607	675,469	8,176,221	10,589,312	..	416,766	24		
24	South Canterbury ..	13,344,132	1,075,247	586,236	133,659	962,476	10,589,312	..	1,229,668	25		
25	Taranaki ..	6,662,701	259,350	482,589	..	417,616	5,504,046	..	246,604	26		
26	Taranaki ..	2,513,797	94,847	147,454	..	180,642	2,009,854	..	206,245	27		
27	Tasman* ..	9,561,691	884,018	179,516	200	686,736	7,101,419	..	448,733	28		
28	Tairāpiti ..	22,639,861	632,988	653,745	101,853	460,657	20,730,618	..	2,894,165	29		
29	Te Awamutu ..	3,093,808	107,945	186,521	22,510	114,310	2,662,522	..	146,160	30		
30	Thames Valley ..	22,106,568	2,430,076	1,800,209	1,600	1,704,658	16,110,025	..	1,166,492	31		
31	Waikato ..	12,173,903	773,235	802,573	..	957,997	9,640,098	..	846,395	32		
32	Waikato ..	1,479,350	193,365	21,812	12,177	114,376	1,137,620	..	10,171	33		
33	Waikato ..	6,754,382	572,771	542,503	486,394	407,780	4,744,934	..	251,566	34		
34	Waikato ..	37,980,639	2,754,471	2,385,625	550,774	1,772,350	30,517,416	..	2,676,706	35		
35	Waikato ..	7,572,612	432,979	556,983	..	368,507	6,214,063	..	250,166	36		
36	Wairarapa ..	15,315,931	1,095,667	117,312	990,069	1,123,395	11,989,488	..	793,391	37		
37	West Coast ..	9,403,561	1,431,351	571,549	389,386	510,336	6,803,360	677,559	1,421,233	38		
		499,418,882	32,876,146	29,505,605	5,832,506	28,044,797	402,482,269	677,559	32,631,743	39		

TABLE X (PART II)—ANALYSIS OF ASSETS FOR YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Total	Assets						Annual Increase in Total Capital Expenditure*	No.
			Sundry Debtors	Income and Reserve—Cash and Investments	Loan Accounts—Cash and Investments	Stocks and Materials*	Total Capital Expenditure*	Net Appropriation Account Deficit*		
1	Christchurch	\$ 45,682,656	\$ 2,576,519	\$ 1,784,450	\$ 905,225	\$ 1,489,179	\$ 38,893,289	\$ 9,245,418	1	
2	Dunedin	40,583,597	1,590,106	3,002,580	..	1,895,124	33,195,787	1,703,793	2	
3	Hamilton	6,746,866	191,910	2,689,009	..	52,476	3,814,071	1,412,227	3	
4	Invercargill	5,948,845	445,100	158,187	25,246	398,263	4,921,870	304,686	4	
5	Napier	3,888,114	277,398	..	211,051	214,296	3,185,369	371,654	5	
6	Nelson	2,686,003	269,579	187,943	42,462	48,615	2,119,935	170,895	6	
7	New Plymouth	7,138,715	500,703	92,742	..	5,800,366	5,288,698	262,983	7	
8	Palmerston North	5,905,411	454,665	1,654,459	96,375	270,264	3,526,023	157,772	8	
9	Tauranga	2,875,469	44,102	481,502	54,425	190,099	2,064,591	174,819	9	
10	Timaru	3,406,644	235,483	73,247	..	304,789	2,738,900	..	10	
11	Wellington	28,623,961	1,310,809	4,736,450	..	1,091,481	21,485,921	1,263,825	11	
12	Whangarei	1,480,693	194,699	28,269	..	152,815	1,164,919	155,160	12	
		154,949,175	8,030,544	15,788,638	1,938,784	6,819,973	122,910,435	8,801,941		
1	Bluff	300,174	44,802	2,232	1,006	32,287	219,847	677	1	
2	Kaipoi	616,155	93,888	5,192	..	67,951	431,862	30,018	2	
3	Lytelton	413,592	44,631	80,524	..	13,086	275,351	8,766	3	
4	Kiccarton	1,140,305	113,020	176,073	2,998	18,871	829,944	131,643	4	
5	Taurarunui	764,341	22,398	12,713	3,000	8,135	716,160	19,336	5	
6	Taupo	5,626,943	183,937	562,728	93,886	336,927	4,448,365	668,644	6	
7	Te Aroha	374,641	25,319	24,898	139	29,857	283,358	14,686	7	
8	Thames-Coromandel D.C.	546,875	71,098	78,103	11,849	56,001	341,673	18,291	8	
9	Waikato	528,831	1,940	55,757	..	7,869	450,220	68,639	9	
10	Whakatane D.C.	1,443,129	66,646	207,021	..	101,073	1,068,189	95,698	10	
		11,784,387	668,479	1,205,181	112,378	671,057	9,065,969	1,056,390		
1	Hentchote	791,923	40,577	4,773	25,638	35,540	617,409	41,593	1	
2	Kaikoura	668,116	77,655	11,657	11,089	72,225	515,490	58,246	2	
		1,478,039	118,232	16,430	36,727	107,765	1,130,899	99,839		
1	Area Electric Authority	5,990,561	418,505	305,127	..	492,773	4,834,156	312,184	1	
1	GOVERNMENT DEPARTMENT	..	..	..	..	..	..	..	1
	Southland*	..	..	..	..	..	..	..
	GRAND TOTALS	2,674,523,180	82,474,575	49,016,405	7,920,395	70,849,652	2,463,995,484	285,083,483		

Notes—Includes capital reserves. *Includes capital contribution from consumers. †Subject to auditing adjustments after table published. ‡Includes Southland Electric Power Supply. †Includes with New Zealand Electricity Department. ‡Includes realignment of currencies \$9,378,290. †Capital expenditure from reserves rather than income. ‡Amalgamation of Waimea and Golden Bay Electric Power Boards. †As for sole Account, \$1,545,710. †Includes Special Maintenance Surplus Account. †Includes Special Maintenance Surplus Account.

TABLE XI (PART I)—ANALYSIS OF CONSUMPTION OF ENERGY FOR THE YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Group 1—Domestic						Group 2—Commercial						Group 4—Farming					
		Energy Consumed		Income		Average Energy per Consumer		Energy Consumed		Income		Average Energy per Consumer		Energy Consumed		Income		Average Energy per Consumer	
		kWh	\$	c/kWh Sold	Number	kWh	per Consumer	kWh	\$	c/kWh Sold	Number	kWh	per Consumer	kWh	\$	c/kWh Sold	Number	kWh	per Consumer
1	NEW ZEALAND ELECTRICITY DEPARTMENT	196 658 142	3,649,632	1.856	23 557	8 348	46 876 871	1,360,319	2.783	3 109	15 721	4 298 639	148,779	3,461	2 783	1 545			
1	Ashburton	84 030 873	1,410,672	1.679	8 962	9 375	17 355 883	488,933	2.817	1 467	11 031	6 249 857	110,875	1.774	1 681	3 710			
2	Auckland	1 192 068 782	19,376,772	1.625	167 270	7 127	692 537 278	16,704,876	3.412	22 992	30 121	5 754 923	162,076	2.831	9 947	6 076			
3	Bay of Islands	77 970 916	1,484,700	1.874	11 567	6 849	21 956 370	732,876	3.337	1 811	12 129	9 065 550	302,420	3.635	1 914	5 207			
4	Bay of Plenty	1 555 595	1,339,049	1.995	9 875	7 896	10 932 525	582,493	3.077	1 291	14 665	15 730 938	525,969	3.343	2 124	7 406			
5	Buller	15 411 465	339,049	2.200	2 810	5 484	5 514 359	233,071	4.227	1 499	11 051	1 134 788	35,208	3.103	1 140	8 105			
6	Cambridge	32 973 581	555,492	1.685	4 012	8 219	6 370 987	201,373	3.161	534	11 931	5 405 031	139,006	2.461	735	7 354			
7	Central Canterbury	130 484 996	2,178,094	1.670	14 715	8 864	64 502 384	1,589,806	2.455	7 115	97 663	16 115 016	451,637	2.803	2 510	6 420			
8	Central Hawke's Bay	45 281 070	793,437	1.752	4 782	9 469	7 268 284	1,223,051	3.097	6 339	11 273	2 043 660	100,629	4.924	2 949	2 159			
9	Dannevirke	216 434 468	4,198,728	1.940	30 821	7 092	56 169 880	1,548,609	2.757	2 305	24 368	25 933 530	676,447	2.608	3 461	7 483			
10	Dunedin	37 993 196	663,287	1.746	4 249	8 942	6 921 592	215,750	3.118	2 666	10 393	4 400 636	143,093	3.252	3 950	4 632			
11	Egmont	71 085 036	1,082,099	1.494	8 018	8 866	12 063 812	404,716	3.355	1 412	8 543	20 402 600	548,817	2.690	2 073	8 842			
12	Franklin	100 706 111	1,737,813	1.726	12 963	7 769	17 486 002	474,154	2.711	1 515	11 550	24 880 811	635,968	2.555	3 384	7 355			
13	Hawke's Bay	287 590 417	4,365,975	1.632	31 524	8 488	61 870 240	1,835,456	3.059	3 224	19 222	26 304 899	263,384	4.196	1 971	3 208			
14	Horowhenua	356 038 535	2,897,751	1.857	22 337	6 896	92 039 891	1,196,251	3.739	1 855	12 272	11 269 787	382,338	3.053	1 397	8 024			
15	Hutt Valley	573 239 955	9,882,529	1.724	64 383	8 904	136 059 071	4,871,760	3.580	5 524	24 631	1 313 748	34,201	2.602	1 187	7 025			
16	King Country	44 680 344	669,491	1.367	5 870	7 598	14 902 456	321,329	2.156	878	16 973	1 639 862	51,052	3.113	820	2 000			
17	Manawatu-Oroua	119 362 594	2,005,468	1.694	14 573	8 123	36 270 690	1,044,729	2.841	1 302	28 241	11 341 468	384,732	2.555	3 891	7 355			
18	Marlborough	83 948 733	1,462,505	1.704	10 671	8 045	26 555 662	907,335	3.404	1 607	16 567	3 902 318	110,845	2.840	1 090	3 650			
19	North Auckland	118 756 490	2,400,630	1.799	17 377	6 719	18 874 931	643,218	3.236	1 022	10 806	22 636 003	578,319	2.555	3 090	7 327			
20	North Canterbury	83 118 617	1,661,791	1.999	10 337	8 041	17 149 944	506,659	2.954	1 364	12 573	7 108 687	225,973	3.179	2 148	3 309			
21	Otago	89 835 202	1,508,243	1.670	10 233	8 779	20 085 140	549,386	2.735	1 639	12 254	5 179 477	89,782	1.733	2 063	2 511			
22	Otago Central	69 943 813	1,076,726	1.539	7 921	8 830	34 957 308	756,875	2.165	1 169	25 304	4 295 920	103,483	2.409	5 601	7 22			
23	Powder Bay	14 291 191	2,116,349	1.852	14 783	7 231	24 766 846	337,372	3.785	2 265	10 935	2 466 664	174,274	7.065	1 624	1 519			
24	South Canterbury	12 111 536	2,260,369	1.852	14 796	8 253	16 811 846	723,567	3.846	1 094	17 195	3 872 369	140,809	3.636	775	4 807			
25	Taranaki	79 977 547	1,146,776	1.434	9 561	8 365	12 187 712	340,377	2.793	1 202	10 140	16 541 438	421,984	2.276	2 339	7 927			
26	Taranaki	25 024 096	469,377	1.873	3 050	8 205	3 574 420	127,900	3.578	460	7 638	3 818 890	142,288	3.726	993	3 846			
27	Tasman	137 032 027	2,169,587	1.583	15 741	8 707	18 604 594	695,748	3.722	1 939	9 641	8 672 093	210,293	2.425	2 315	3 746			
28	Tairāngia	159 181 288	3,004,451	1.887	22 457	7 088	97 980 374	391,298	3.542	2 265	12 957	13 629 001	424,843	3.117	2 554	5 937			
29	Te Awamutu	49 130 423	745,588	1.518	6 178	7 952	11 598 662	298,319	2.573	844	13 738	19 712 209	271,898	2.139	2 000	6 356			
30	Thames Valley	203 763 725	3,786,331	1.858	30 238	6 739	46 189 682	1,436,233	3.110	4 280	10 791	51 532 414	1,293,350	2.510	5 442	9 469			
31	Waikato	113 406 713	2,240,051	1.975	12 809	8 833	25 276 264	795,239	3.146	1 726	14 644	8 095 750	269,069	3.362	1 661	4 832			
32	Waikato	14 419 504	262,081	1.818	2 002	7 203	7 266 770	57,745	3.233	307	5 816	9 900 307	40,139	4.095	1 539	3 92			
33	Waikato	69 500 444	1,207,471	1.737	8 118	8 561	17 691 707	607,069	3.438	1 008	17 541	3 415 765	107,399	3.144	824	4 145			
34	Waitemata	636 354 044	11,745,743	1.846	92 585	6 873	117 891 639	4,284,627	3.636	8 251	14 281	12 844 664	497,254	3.871	2 288	5 614			
35	Waitemata	56 831 139	960,253	1.690	7 021	8 094	13 432 900	448,105	3.336	1 253	10 721	9 260 697	290,214	3.147	2 054	4 489			
36	Wanganui-Rangitikei	184 505 632	3,103,385	1.692	22 996	8 093	54 747 083	1,775,731	3.244	3 262	16 783	6 409 925	250,461	3.907	2 303	7 783			
37	West Coast	42 712 877	898,285	1.963	7 529	5 673	22 737 664	769,081	3.379	1 585	14 358	5 292 198	125,094	2.364	5 549	9 640			
		5 697 234 759	90,974,744	1.737	745 144	7 646	1 744 907 269	50,379,967	2.887	88 979	19 610	374 418 183	10 673 243	2.851	65 653	5 703			

(For notes see page 25.)

TABLE XI (PART I)—ANALYSIS OF CONSUMPTION OF ENERGY FOR THE YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Group 1—Domestic					Group 2—Commercial					Group 4—Farming				
		Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer
1	Christchurch	786 717 398	12,323,538	1.566	95 407	0.105	226 353 244	7,732,373	3,386	8 324	27 433	70,603	2,921	121	19 974	
2	Dunedin	513 942 441	5,861,359	1.300	39 991	0.453	116 010 661	3,489,534	3,008	5 103	22 734	88,077	2,626	536	6 315	
3	Hamilton	51 111 250	1,005,211	1.967	19 093	0.691	39 469 080	1,307,719	3,313	2 737	14 420	..	..	..	..
4	Invercargill	113 881 638	1,786,765	1.569	13 164	0.651	47 327 731	1,225,935	2,579	1 741	27 299	..	2,391	4	2 907	
5	Napier	30 309 447	362,497	1.856	4 314	0.626	21 732 779	776,093	3,571	1 109	19 597	..	..	..	..
6	Nelson	45 568 115	652,314	1.432	5 494	0.294	24 996 250	877,404	3,510	1 162	21 511	4,960	56	1 440		
7	New Plymouth	123 020 362	1,691,822	1.377	16 542	0.437	26 867 772	1,003,590	3,474	2 015	14 336	353,059	1 002	12 088		
8	Palmerston North	114 339 907	1,628,597	1.424	14 530	0.776	38 056 059	1,321,868	3,473	2 333	16 312	5,373	11	16 301		
9	Tauranga	16 364 140	173,446	1.060	2 269	0.212	18 228 152	491,038	2,604	1 177	15 487	..	..	..	..
10	Timaru	59 476 586	998,054	1.678	7 078	0.403	24 570 231	697,606	2,839	1 315	18 685	..	..	..	..
11	Wellington	390 798 339	5,401,302	1.392	46 050	0.495	225 279 659	7,070,354	3,139	7 906	28 495	6,546	23	6 052		
12	Whangarei	40 835 203	631,444	1.546	5 857	0.972	21 774 331	747,249	3,432	1 370	15 894	..	..	..	..
		2 186 925 066	32,967,289	1.508	250 769	0.710	834 886 049	26,740,753	3,203	36 292	23 005	529,696	2,891	1 753	10 453	
1	Bluff	5 661 454	105,275	1.860	918	6.167	3 915 280	103,035	2,632	216	18 126	..	..	..	..
2	Kaapoi	12 023 680	213,598	1.776	1 452	0.291	2 200 620	72,334	3,257	5 106	16 330	..	..	..	..
3	Lytelton	8 794 186	135,349	1.539	1 522	0.702	3 203 313	77,309	2,416	192	11 476	..	..	..	..
4	Riccarton	24 522 980	320,468	1.307	2 016	0.702	11 481 691	397,172	3,465	452	25 358	..	..	..	..
5	Taumarunui	10 262 953	142,246	1.366	1 295	7.925	5 895 915	165,935	2,043	335	17 421	775	11,161	17	408	
6	Taupo	43 643 804	751,301	1.721	5 919	7.374	18 695 591	569,899	3,000	979	19 097	52,514	4,327	323	3 757	
7	Te Aroha	7 846 921	136,754	1.743	1 171	6.701	2 929 577	95,204	3,250	278	10 558	2,927	7	4 422		
8	Thames-Coromandel D.C.	14 816 245	200,305	1.892	2 210	9.704	4 208 594	147,589	3,426	306	11 162	..	..	..	..
9	Wairoa	12 726 040	215,360	1.682	1 603	7.999	4 569 340	139,674	3,069	230	18 201	..	..	..	..
10	Whakatane D.C.	22 734 874	400,894	1.763	2 883	7.886	6 740 578	327,843	3,751	618	14 143	..	..	..	..
		163 033 067	2,701,490	1.657	21 411	7.614	65 861 499	2,087,074	3,169	3 842	17 143	54,195	4,330	347	3 607	
1	Heathcote	22 056 231	462,675	1.825	2 067	10.671	6 670 931	157,433	2,360	104	64 144	6,706	36	6 798		
2	Kaikoura	6 243 084	120,491	1.929	1 167	5.350	3 630 497	139,546	3,643	262	13 857	15,559	1,524	169	6 041	
		28 299 315	523,166	1.849	3 234	8.750	10 301 428	296,979	2,803	366	28 146	22,265	1,759	205	6 174	
1	AREA ELECTRIC AUTHORITY	126 443 213	2,211,491	1.749	17 283	7.316	48 284 007	1,598,070	3,310	2 464	19 596	316,197	3,141	1 207	8 341	
1	GOVERNMENT DEPARTMENT	177 520 378	3,557,861	2.004	21 844	8.127	42 663 784	1,237,906	2,902	3 041	14 030	148,779	3,461	2 783	1 545	
		8 997 993 562	141,027,812	1.679	1 061 390	7.912	2 753 117 123	82,463,162	2,995	135 052	20 386	11,744,375	2,867	71 948	5 693	
	GRAND TOTALS															

(For notes see page 25.)

TABLE XI (PART II)—ANALYSIS OF CONSUMPTION OF ENERGY FOR YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Groups 7-18 (Inclusive)—Industrial						Groups 2-18 (Inclusive)—Non-domestic						Groups 1-18 (Inclusive)—Total Retail Sales						No.
		Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer				
1	Power Boards																			
2	..	14 374 037	366 481	2.550	27	232 371	39 189 064	1,015,956	2,592	3 177	12 338	2,426 628	1.969	12 139	9 993	1				
3	Auckland ..	655 313 480	11,746 080	1.794	77	232 371	1 387 050 470	29,116,912	2,099	25 435	54 533	40,493,684	1.860	192 295	15 401	2				
4	Bay of Islands ..	30 015 070	604 632	2.014	55	897 573	62 769 610	1,651,135	2,650	3 705	16 584	3,135,835	2.709	15 249	9 280	3				
5	Bay of Plenty ..	212 631 805	2,641 663	1.242	69	3 001 621	247 787 661	3,759,361	1,517	3 503	70 736	5,314,956	1.691	15 378	9 714	4				
6	Buller ..	39 490 709	572,839	1.451	42	940 255	46 379 192	844,850	1,822	683	67 905	1,183,889	1.915	15 378	17 690	5				
7	Cambridge ..	8 252 128	199,999	2.424	42	196 479	20 257 597	537,571	2,654	1 315	15 405	1,093,063	2.054	5 327	9 993	6				
8	Central Canterbury ..	84 292 201	2,231 784	2.648	901	200 041	166 442 903	4,307,868	2,588	4 561	36 493	6,485,962	2.185	19 276	15 401	7				
9	Central Hawke's Bay ..	4 622 905	128,583	2.781	43	107 639	14 284 189	464,350	3,251	1 637	8 726	1,257,767	2.172	6 419	9 280	8				
10	Central Waikato ..	55 506 660	1,260,695	2.267	908	266 899	141 006 158	3,968,260	2,529	5 985	23 573	7,765,960	2.172	36 806	9 714	9				
11	Dannevirke ..	4 383 812	118,585	2.705	41	106 922	15 953 528	482,665	3,026	1 661	9 605	1,145,952	2.124	3 910	9 128	10				
12	Egmont ..	32 327 752	674 521	2.087	91	355 250	65 395 480	1,636,976	2,503	3 563	18 252	2,699,075	1.878	11 601	11 765	11				
13	Franklin ..	19 980 656	485,027	2.437	371	53 856	63 144 395	1,609,039	2,548	5 277	11 966	3,346,852	2.643	18 540	8 983	12				
14	Hawke's Bay ..	347 590 728	4,892 753	1.408	276	1 559 568	419 285 867	7,104,042	1,694	5 501	76 220	11,470,017	2.156	37 025	18 552	13				
15	Horowhenua ..	22 287 432	387,239	1.738	183	378 609	68 233 071	2,173,022	3,185	3 395	20 098	5,070,173	1.827	25 752	8 716	14				
16	Hutt Valley ..	187 790 112	5,371,668	2.861	496	378 609	330 758 410	10,461,397	3,163	6 279	52 677	20,943,956	2.450	70 662	12 793	15				
17	King Country ..	9 920 430	218,606	2.204	35	293 441	26 824 128	597,208	2,226	1 749	15 337	1,206,699	1.689	7 619	9 375	16				
18	Manawatu-Oroua ..	56 865 804	1,453,610	2.555	221	237 312	105 768 666	2,916,710	2,758	4 521	23 395	4,929,178	2.156	19 094	11 799	17				
19	Marlborough ..	13 078 000	335,418	2.555	177	194 853	44 404 479	1,366,548	3,078	2 779	15 979	2,829,058	2.156	13 450	9 684	18				
20	North Auckland ..	117 088 695	1,730,910	1.475	115	1 036 163	160 703 891	2,968,920	1,847	5 078	31 647	5,063,950	1.827	16 725	11 949	19				
21	North Canterbury ..	20 953 352	548,532	2.618	55	380 970	46 227 937	1,325,709	2,068	3 603	12 830	2,987,500	2.310	13 450	9 279	20				
22	Otago ..	23 829 264	613,145	2.573	21	1 134 726	49 762 926	1,264,833	2,542	3 743	13 295	2,765,076	1.901	13 976	9 988	21				
23	Otago Central ..	26 642 511	595,854	2.237	85	313 441	40 083 563	869,359	2,173	1 948	20 539	1,946,005	1.770	11 141	9 988	22				
24	Poverty Bay ..	43 706 662	1,080,578	2.472	49	891 973	57 701 919	1,716,400	3,156	3 988	19 637	3,821,215	2.272	18 771	8 988	23				
25	South Canterbury ..	35 900 185	779,746	2.172	150	239 335	67 571 216	1,973,833	2,915	1 929	35 097	4,234,802	2.231	16 725	11 949	24				
26	Taranaki ..	6 719 501	240,072	3.573	32	209 884	14 243 598	1,565,902	2,317	3 704	18 243	2,712,678	1.858	13 265	11 123	25				
27	Taranaki ..	67 048 038	1,245,798	1.859	351	191 020	95 306 061	2,165,994	2,273	4 611	20 669	984,004	2.506	4 546	8 638	26				
28	Tasman ..	36 189 145	798,798	2.207	120	301 576	79 427 377	2,237,595	2,817	4 945	16 069	4,325,581	2.965	20 352	11 411	27				
29	Te Awamutu ..	6 112 170	148,946	2.429	29	210 704	30 885 601	7,725,605	2,349	2 882	10 720	5,242,046	1.830	27 400	8 708	28				
30	Thames Valley ..	552 976 876	6,886,383	1.245	246	2 247 673	652 618 602	9,710,654	1,488	9 983	65 373	13,496,985	1.576	40 221	21 292	29				
31	Waikato ..	24 266 357	644,742	2.657	243	99 852	58 429 272	1,727,725	2,957	3 679	15 882	3,967,776	2.309	16 488	10 422	30				
32	Wairapa ..	7 861 010	177,489	2.250	413	215 737	10 717 387	277,928	2,593	3 679	15 882	3,967,776	2.309	16 488	10 422	31				
33	Waikato ..	22 630 776	597,857	2.649	103	219 716	45 066 390	1,334,548	2,961	1 941	23 219	2,549,915	2.139	2 973	8 449	32				
34	Waitemata ..	102 394 331	2,865,132	2.818	886	119 608	241 483 120	7,775,409	3,220	11 489	21 019	19,531,152	2.224	10 089	11 989	33				
35	Waitemata ..	21 627 260	478,062	2.210	68	313 439	44 865 811	1,224,047	2,728	3 309	13 239	2,104,300	2.148	10 410	8 434	34				
36	Wanganui-Rangitikei ..	70 807 819	1,499,504	2.115	163	434 895	135 151 523	3,591,309	2,657	5 748	23 513	6,604,694	2.094	28 744	11 121	35				
37	West Coast ..	27 711 810	711,184	2.566	171	162 055	56 919 106	1,671,020	2,936	2 320	24 534	2,508,305	2.519	9 849	10 116	36				
		3 013 259 643	55,572,475	1.844	6 079	438 037	5 216 509 014	118,255,567	2,267	162 273	32 147	217,290,311	1.980	907 417	12 027	37				

(For notes see page 25.)

TABLE XI (PART II)—ANALYSIS OF CONSUMPTION OF ENERGY FOR YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Groups 7-18 (Inclusive)—Industrial				Groups 2-18 (Inclusive)—Non-domestic				Groups 1-18 (Inclusive)—Total Retail Sales				No.	
		Energy Consumed kWh	Income \$	Income per kWh Sold c	Average Energy per Consumer kWh	Number	Energy Consumed kWh	Income \$	Income per kWh Sold c	Average Energy per Consumer kWh	Number	Energy Consumed kWh	Income \$		Income per kWh Sold c	Average Energy per Consumer kWh
1	City Councils	137 260 174	3 499 681	2 623	122 005	379 303 922	11 537 931	3 042	41 001	9 251	166 020 524	23 861 459	2 046	95 658	12 189
2	Christchurch ..	55 929 034	2 243 324	2 339	160 000	291 003 922	5 911 477	3 674	35 755	6 182	634 978 363	11 873 416	1 870	46 163	13 755
3	Dunedin ..	14 603 660	365 731	2 504	132 000	55 006 150	1 600 651	3 065	19 342	2 648	106 197 400	2 693 862	2 537	11 941	8 894
4	Hamilton ..	8 220 147	211 499	2 573	81 300	38 342 403	1 317 153	3 690	31 588	1 047	172 224 061	3 303 918	1 918	15 011	11 473
5	Invercargill ..	9 574 089	248 703	2 598	163 071	32 856 614	1 043 086	3 175	28 131	1 160	63 166 061	1 605 593	2 541	5 482	11 522
6	Nelson ..	5 359 109	148 146	2 764	109 371	31 582 361	1 042 391	3 301	20 629	1 531	77 150 476	1 694 705	2 197	7 025	10 982
7	New Plymouth ..	44 941 746	968 794	2 136	566	87 256 513	1 369 822	2 716	24 340	3 505	210 280 095	4 211 644	2 003	20 127	10 448
8	Palmerston North ..	10 334 629	290 125	2 807	50 306	49 500 708	1 636 029	3 298	19 520	2 541	163 959 705	3 264 996	1 991	17 061	9 610
9	Tauranga ..	4 459 950	101 369	2 273	61 944	23 713 473	1 589 874	2 530	18 971	1 250	40 077 513	1 929 320	1 929	3 519	11 389
10	Timaru ..	8 897 709	230 571	2 591	127 110	35 431 915	962 569	2 717	25 491	1 390	94 908 501	1 960 653	2 065	8 468	11 208
11	Wellington ..	47 014 273	1 085 568	2 309	83 064	286 147 792	8 456 801	2 955	33 672	8 498	676 885 661	13 858 103	2 047	54 548	12 409
12	Whangarei ..	5 859 416	108 928	1 859	279 019	29 144 747	804 942	3 036	20 937	1 392	69 979 950	1 516 306	2 167	7 249	9 654
		392 454 016	9 602 399	2 447	125 867	1 289 503 244	37 650 765	2 920	41 483	41 483	3 475 820 310	70 618 055	2 032	292 252	11 893
1	Borough Councils	987 200	20 238	2 050	987 900	5 034 189	125 381	2 491	233	233	10 695 643	230 656	2 157	1 151	9 292
2	Bluff ..	2 471 210	68 497	2 772	197 200	4 805 200	143 527	2 958	155	155	16 300 800	357 126	2 112	1 607	10 522
3	Kaipoi ..	1 591 487	77 306	4 857	227 365	5 927 640	159 951	3 179	200	200	13 825 516	295 300	2 136	1 342	10 302
4	Lytelton ..	7 204 130	167 525	2 325	277 082	19 277 640	574 636	2 961	482	482	43 800 630	895 104	2 044	3 300	13 273
5	Riccarton ..	592 935	20 226	3 411	15 203	6 783 203	191 987	2 830	392	392	17 046 156	334 233	1 961	1 687	10 104
6	Taupo ..	28 762 181	545 623	1 897	522 949	49 504 955	1 179 873	2 369	36 218	1 367	93 148 759	1 924 174	2 067	7 286	12 785
7	Te Aroha ..	537 649	13 376	2 468	29 297	3 273 807	115 305	3 089	11 896	1 306	11 517 748	250 149	2 172	1 477	7 798
8	Thames-Coromandel D.C.	5 304 640	103 286	1 947	182 319	3 973 654	967 641	2 682	416	416	24 789 409	547 946	2 210	2 656	9 440
9	Wairoa ..	768 060	18 821	2 450	133 612	5 603 478	160 602	3 009	256	256	18 329 510	363 962	2 095	1 859	9 860
10	Whakatane D.C.	1 005 150	40 996	4 079	41 081	10 303 128	391 384	3 726	643	643	33 238 002	792 218	2 303	3 536	9 426
		49 224 642	1 075 884	2 186	220 738	120 267 186	3 309 377	2 752	4 450	4 450	283 300 253	6 010 867	2 122	25 861	10 955
1	County Councils	7 906 414	112 579	1 423	7 906 414	15 247 778	284 805	1 868	143	143	37 304 009	687 480	1 842	2 210	16 880
2	Heathcote ..	595 239	21 785	3 660	31 328	5 386 716	179 690	3 336	431	431	11 629 800	300 181	2 581	1 618	7 188
		8 501 653	194 364	1 580	425 083	20 634 494	464 495	2 251	594	594	48 933 809	987 661	2 018	3 828	12 783
1	Area Electric Authority	18 262 249	515 497	2 823	209 910	78 731 576	2 467 882	3 135	3 763	3 763	205 174 789	4 679 973	2 281	21 046	9 749
1	Rotorua ..	83 043 442	1 841 726	2 218	388 053	130 941 105	3 256 917	2 487	6 125	6 125	308 461 563	6 814 778	2 209	27 969	11 029
		3 564 745 645	68 742 355	1 928	398 179	6 856 586 639	165 405 004	2 412	218 688	218 688	15 235 442 497	306 341 045	2 011	1 278 373	11 918
	GRAND TOTALS*														

*Excludes Southland Electric Power Supply, but includes Southland Electric Power Supply.
 †Includes 3 034 715 kWh used free of charge for irrigation.
 ‡Shown separately but included with New Zealand Electricity Department.
 §Excludes New Zealand Electricity Department, but includes Southland Electric Power Supply.
 ¶Includes water pumping 1 152 259 kWh at \$6,000.
 **Amalgamation of Waikato and Waikare Electric Power Boards.
 ††Amalgamation of Waikato and Waikare Electric Power Boards.

TABLE XIa—SUMMARY OF PUBLIC LIGHTING; RAILWAY AND URBAN TRACTION; INDUSTRIAL SALES (GROUPS 9, 10, AND 16) FOR YEAR ENDED 31 MARCH 1977

No.	Supply Authority	Group 3—Public Lighting				Group 5—Railway Traction				Group 6—Urban Traction				Industrial Sales Groups 9, 10 and 16 (inclusive)—Iron and Steel Basic; Non-ferrous metal; Wood, Paper and Pulp Products					
		Energy Consumed	Income per kWh Sold	Consumers	Average Energy per Consumer	Energy Consumed	Income per kWh Sold	Consumers	Average Energy per Consumer	Energy Consumed	Income per kWh Sold	Consumers	Average Energy per Consumer	Energy Consumed	Income per kWh Sold	Consumers	Average Energy per Consumer		
1	NEW ZEALAND	116 681 219	2,221,504	1,904	19.04	26 417 085	586,311	2,219	22.19	26 417 085	163,456	1,724	63.15	3 159 883	4 666 879	949 30,021,684	0.643	1 669	2 796 213

Note—Reduced by 3 as New Zealand Railways treated as one consumer.

TABLE XIb—ANALYSIS OF INDUSTRIAL SALES (GROUPS 7, 8, 11-15, 17-18 INCLUSIVE) BY TYPE OF SUPPLY AUTHORITY FOR YEAR ENDED 31 MARCH 1977

No.	Type of Supply Authority	Industrial Sales											
		Group 7—Coal Mining				Group 8—Other Mining Industries				No.			
		Energy Consumed	Income	Income per kWh Sold	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Average Energy per Consumer
1	New Zealand Electricity Department	2 976 440	75,113	2.524	8.47	2 465 561	89,926	3.647	14.96	2 465 561	89,926	3.647	14.96
2	Electric Power Boards	16 520 291	412,270	2.495	25.52	98 363 468	2,298,788	2.337	23.71	98 363 468	2,298,788	2.337	23.71
3	City Councils	118 596	3,799	3.203	32.03	2 576 364	86,737	3.367	32.99	2 576 364	86,737	3.367	32.99
4	Borough and District Councils	..	..	..	..	653 972	24,948	3.815	38.15	653 972	24,948	3.815	38.15
5	County Council	..	..	..	..	..	..	..	..	..	..	..	..
6	Area Electric Authority	..	..	..	..	..	..	..	..	..	..	..	..
7	Government Department*	2 976 440	75,113	2.524	8.47	2 465 561	89,926	3.647	14.96	2 465 561	89,926	3.647	14.96
8	NEW ZEALAND	19 615 327	491,182	2.504	25.04	104 059 365	2,500,399	2.403	24.03	104 059 365	2,500,399	2.403	24.03

No.	Type of Supply Authority	Industrial Sales											
		Group 11—Manufacture of Mechanical and Electrical Equipment				Group 12—Manufacture of Chemicals and Chemical Products				Group 13—Manufacture of Glass, Pottery, China and Earthenware, and Building Materials			
		Energy Consumed	Income	Income per kWh Sold	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Average Energy per Consumer
1	New Zealand Electricity Department	2 387 010	40,391	2.027	16.87	3 381 732	81,836	2.420	7.42	1 270 883	35,257	2.774	27.74
2	Electric Power Boards	219 679 843	6,047,817	2.753	27.53	156 520 068	3,188,808	2.037	20.37	238 704 108	3,831,005	1.605	16.05
3	City Councils	79 528 566	2,066,091	2.598	25.98	19 001 643	480,822	2.530	25.30	28 243 598	591,887	2.100	21.00
4	Borough and District Councils	7 131 293	153,774	2.156	21.56	..	..	..	..	271 635	34,862	3.631	36.31
5	County Councils	..	..	..	..	..	..	..	..	..	..	..	..
6	Area Electric Authority	209 348	7,809	3.730	37.30	82 708	3,308	4.000	40.00	303 955	12,090	3.978	39.78
7	Government Department*	399 010	14,893	3.732	37.32	3 381 732	81,836	2.420	7.42	1 270 883	35,257	2.774	27.74
8	NEW ZEALAND	308 936 060	8,923,882	2.894	28.94	178 986 151	3,754,774	2.098	20.98	268 884 897	4,421,121	1.644	16.44

(For notes see page 27.)

TABLE XIb—ANALYSIS OF INDUSTRIAL SALES (GROUPS 7, 8, 11-15, 17-18 INCLUSIVE) BY TYPE OF SUPPLY AUTHORITY FOR YEAR ENDED 31 MARCH 1977—continued

No.	Type of Supply Authority	Industrial Sales										No.				
		Group 14—Food, Beverage, and Tobacco Industries			Group 15—Manufacture of Textiles, Leather and Rubber Products, and Wearing Apparel			Group 17—Other Manufacturing Industries Not Classified Elsewhere								
		Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer		Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer
1	New Zealand Electricity Department ¹	64 226 126	\$ 1,262,297	1.965	69	930 813	417 640	\$ 11,146	2.669	6	69 607	18 740	\$ 728	3.885	4	4 605
2	Electric Power Boards ..	767 109 003	16,464,348	2.145	1 813	594 241	162 901 552	4,154,589	2.550	644	252 953	106 138 030	2,726,958	2.569	620	171 190
3	City Councils ..	140 119 381	3,143,706	2.244	419	334 414	71 724 833	1,798,381	2.507	362	198 135	32 589 728	889,130	2.729	359	60 779
4	Borough and District Councils ..	4 369 949	119,530	2.735	39	112 050	593 161	20,300	3.422	18	32 953	883 067	87,271	4.635	21	89 678
5	County Councils ..	2 046 288	57,681	2.815	13	157 407	23 732	949	3.999	11	2 157	6 501 653	134,364	1.580	7	495 083
6	Area Electric Authority ..	64 226 126	1,262,297	1.965	69	930 813	417 640	11,146	2.669	6	69 607	18 740	728	3.779	4	4 605
7	Government Department ²	977 870 747	21,047,482	2.152	1 853	527 723	235 660 918	5,985,365	2.540	1 041	226 379	149 665 825	3,858,652	2.578	1 031	145 166
8	NEW ZEALAND ..															

No.	Type of Supply Authority	Industrial Sales										No.				
		Group 16—Construction Works					Groups 7-18 (inclusive)—Total Industrial Sales ³									
		Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer	Energy Consumed	Income	Income per kWh Sold	Consumers	Average Energy per Consumer					
1	New Zealand Electricity Department ¹	49 503 851	\$ 592,680	1.197	7	7 071 978	3 013 259 643	55,572,475	3.013	259 643	3 013 259 643	1 844	438 037	1 844	6 879	438 037
2	Electricity ..	33 844 207	725,553	2.291	873	38 768	392 454 016	9,602,399	2.447	9 118	392 454 016	2,447	125 867	2,447	9 118	125 867
3	City Councils ..	4 545 324	126,468	2.783	881	5 159	49 224 642	1,075,894	2.886	223	1,075,894	2,886	220 738	2,886	223	220 738
4	Borough and District Councils ..	22 579	1,313	5.815	27	836	18 501 653	134,364	1.580	67	134,364	1,580	425 083	1,580	67	425 083
5	County Councils ..	85 828	3,433	4.000	18	10 729	18 262 249	515,497	2.825	214	515,497	2,825	209 911	2,825	214	209 911
6	Area Electric Authority ..	879 668	20,239	2.301	1	879 668	83 043 442	1,941,726	1.928	10 541	83 043 442	1,928	388 053	1,928	10 541	388 053
7	Government Department ²	88 001 789	1,499,167	1.704	1 796	48 999	9 564 745 645	60,742,355	1.928	10 541	48 999	9 564 745 645	60,742,355	1.928	10 541	338 179
8	NEW ZEALAND ..															

¹Southland Electric Power Supply shown separately but included with New Zealand Electricity Department.
²Includes Southland Electric Power Supply.
³Groups 7-18 (inclusive) Total Industrial Sales excludes New Zealand Electricity Department.

TABLE XII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Income from Sales of Energy					Cost of Energy			Cost of Transmission and Distribution			Total Annual Costs—Per kWh Sold	Capital Charges Percent of Total Capital Expenditure	Loan Liability Percent of Total Capital Expenditure	Surplus Percent of Total Income	Loan Liability Per Consumer	
		Per kWh Sold (Including Bulk Sales)	Per kWh Sold (Retail Sales)	Per kWh Sold (Domestic Supply ¹)	Per kWh Sold (Non-domestic Supply ²)	Per kWh Sold (Population ³)	Per kWh Generated	Per kWh Purchased	Per kWh Sold	Per kWh Sold—Maintenance ¹¹	Per kWh Sold—Capital Charges	Per kWh Sold—Total						
NEW ZEALAND ELECTRICITY DEPARTMENT ⁴																		
Power Boards																		
1	Ashburton	1.969	1.869	1.679	2.592	95.16	0.839	0.701	0.758	0.664	0.174	0.238	1.252	7.01	81.31	-14.74	95.48	
2	Auckland	1.880	1.880	1.625	2.099	97.67	..	1.154	1.187	0.231	0.264	0.541	2.550	5.24	18.67	2.33	94.50	
3	Bay of Islands	2.209	1.874	1.874	2.630	80.82	..	1.236	1.233	0.163	0.147	0.377	1.822	4.66	23.43	3.40	239.67	
4	Bay of Plenty	1.593	1.631	1.995	1.517	145.62	..	1.090	1.215	0.350	0.393	0.813	2.288	6.85	48.63	1.39	190.84	
5	Buller	1.915	1.915	2.200	1.822	140.94	47.660	1.056	1.213	0.097	0.256	0.416	1.930	11.22	34.23	1.40	177.25	
6	Cambridge	2.054	2.054	1.685	2.654	87.80	..	1.131	1.100	0.139	0.176	0.361	2.003	6.26	35.77	9.17	..	
7	Central Canterbury	2.103	2.103	1.675	2.508	147.07	..	1.292	1.365	0.178	0.123	0.325	1.849	4.36	7.90	12.38	20.27	
8	Central Hawke's Bay	2.112	2.112	1.825	2.529	95.29	..	1.184	1.260	0.069	0.206	0.332	1.959	5.07	21.56	15.05	134.67	
9	Dannevirke	2.172	2.172	1.940	2.529	76.30	..	1.277	1.277	0.217	0.116	0.337	1.834	2.77	7.36	15.93	28.47	
10	Dannevirke	2.124	2.124	1.746	3.026	93.55	..	1.224	1.333	0.178	0.407	0.627	2.267	10.17	37.02	15.93	147.15	
11	Egmont	1.978	1.978	1.494	2.503	105.43	0.664	1.157	1.240	0.214	0.203	0.508	2.307	4.94	4.44	6.27	16.65	
12	Franklin	2.042	2.042	1.726	2.503	83.03	..	1.118	1.188	0.201	0.076	0.368	1.815	2.16	12.04	9.80	49.88	
13	Hawke's Bay	1.634	1.634	1.632	2.548	116.09	..	1.189	1.301	0.117	0.361	0.532	1.815	6.30	22.41	2.27	87.44	
14	Horowhenua	2.266	2.266	1.857	3.185	95.86	..	1.127	1.260	0.128	0.190	0.289	1.781	5.77	24.16	7.87	100.84	
15	Hutt Valley	2.250	2.250	1.724	3.163	97.25	..	1.244	1.359	0.238	0.349	0.667	2.397	7.19	30.99	5.16	169.05	
16	King Country	1.689	1.689	1.367	2.503	69.55	0.317	1.319	1.363	0.259	0.343	0.664	2.344	10.18	38.57	0.96	166.13	
17	Manawatu-Oroua	1.593	1.593	1.694	2.758	106.31	..	1.275	1.446	0.245	0.289	0.642	2.159	5.36	33.68	0.35	215.55	
18	Marlborough	2.179	2.179	1.704	3.078	88.41	0.482	1.115	1.154	0.295	0.335	0.690	2.319	7.63	20.98	4.11	101.62	
19	North Auckland	1.726	1.726	1.822	2.915	101.31	..	1.077	1.134	0.148	0.307	0.554	2.155	6.11	31.20	8.09	165.96	
20	North Canterbury	2.115	2.115	1.999	2.868	110.24	..	1.174	1.222	0.148	0.307	0.554	2.161	6.03	23.77	1.49	211.98	
21	Otago	1.981	1.981	1.670	2.542	104.74	..	1.107	1.255	0.307	0.280	0.633	2.819	5.82	44.57	8.74	198.15	
22	Otago Central	1.757	1.757	1.591	2.542	104.74	0.125	1.205	1.347	0.194	0.241	0.483	2.411	4.89	23.43	2.19	115.43	
23	Poverty Bay	2.272	2.272	1.539	2.273	90.33	7.500	1.289	1.289	0.854	0.180	0.400	2.406	5.54	32.97	14.91	200.39	
24	South Canterbury	1.667	1.667	1.852	3.156	83.69	..	1.295	1.338	0.345	0.284	0.714	2.426	5.43	37.65	0.62	176.86	
25	Taranaki	1.830	1.830	1.434	2.317	95.52	0.602	1.148	1.032	0.137	0.221	0.426	3.159	9.87	25.17	14.34	159.33	
26	Taranaki	2.506	2.506	1.873	3.619	122.55	..	1.107	1.112	0.170	0.168	0.374	1.708	5.84	14.48	10.35	60.07	
27	Tasman	1.694	1.694	1.583	2.273	102.79	0.666	1.155	1.255	0.237	0.369	0.708	2.396	6.94	23.43	11.21	107.79	
28	Tauranga	2.124	2.124	1.818	2.593	95.92	..	1.138	1.630	0.173	0.290	0.503	2.482	8.65	22.36	2.10	85.84	
29	Te Awamutu	1.830	1.830	1.518	2.817	85.38	..	1.208	1.427	0.229	0.236	0.592	2.199	5.82	66.76	7.77	504.72	
30	Thames Valley	1.567	1.567	1.858	1.488	160.49	..	1.086	1.322	0.140	0.259	0.485	2.005	7.78	36.06	-3.03	5.16	
31	Wairarapa	2.309	2.309	1.975	2.957	102.79	0.666	1.086	1.180	0.140	0.133	0.302	1.592	7.05	36.06	3.74	144.52	
32	Waikato	1.781	1.781	1.818	2.273	95.92	..	1.213	1.284	0.216	0.399	0.745	2.584	7.13	46.49	5.23	271.80	
33	Waikato	2.219	2.219	1.818	2.593	95.92	..	1.206	2.249	0.198	0.245	0.510	3.723	5.40	18.01	6.45	68.86	
34	Waitemata	2.224	2.224	1.846	3.250	110.52	..	1.181	1.243	0.286	0.255	0.585	2.592	6.17	19.10	9.72	90.11	
35	Waitemata	2.148	2.148	1.690	2.728	73.53	10.013	1.306	1.308	0.295	0.322	0.649	2.305	9.26	46.28	1.81	135.69	
36	Wanganui-Rangitikei	2.094	2.094	1.682	2.657	106.03	0.473	1.190	1.229	0.200	0.433	0.707	2.445	7.68	27.91	3.11	166.62	
37	West Coast	2.518	2.518	1.682	2.936	95.64	0.231	1.213	1.284	0.210	0.226	0.490	2.359	6.02	27.79	8.43	115.91	
		1.950	1.990	1.737	2.267	97.80	0.661	1.199	1.333	0.329	0.407	0.780	3.177	7.45	45.53	3.58	134.49	
										0.195	0.238	0.488	2.124	6.67	32.41	5.14	143.75	

(for notes see page 29.)

TABLE XII—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Income from Sales of Energy				Cost of Energy			Cost of Transmission and Distribution		Total Annual Cost Per kWh Sold	Capital Changes Per Cent of Total Capital Expenditure	Loan Liability Percent of Total Expenditure	Surplus Percent of Total Income	Loan Liability Per Consumer
		Per kWh Sold (Including Bulk Sales)	Per kWh Sold (Retail Sales)	Per kWh Sold (Domestic Supply ¹)	Per kWh Sold (Non-domestic Supply ²)	Per kWh Sold (Retail Consumer)	Per kWh Purchased	Per kWh Sold	Per kWh Operation and Maintenance ¹¹	Per kWh Sold—Capital Charges					
1	Christchurch	2.646	2.046	1.566	3.042	95.97	0.761	1.391	0.132	0.170	0.337	5.11	9.23	19.67	37.52
2	Dunedin	1.976	1.870	1.440	2.674	101.74	1.117	1.117	0.201	0.148	0.300	3.33	8.59	15.67	64.62
3	Hamilton	2.357	2.557	1.957	3.065	113.67	1.418	1.418	0.292	0.008	0.274	0.23	16.64	16.64	97.55
4	Invercargill	1.910	2.018	1.569	2.600	83.43	1.299	1.299	0.110	0.139	0.310	4.87	23.75	10.49	319.89
5	Napier	2.341	2.341	1.856	3.175	133.25	292.88	1.262	0.134	0.437	0.707	8.66	39.75	10.49	319.89
6	Nelson	2.197	2.107	1.432	3.301	100.88	291.24	1.213	0.294	0.108	0.496	3.95	18.79	10.08	54.15
7	New Plymouth	2.003	2.003	1.497	2.716	85.95	209.25	1.170	0.375	0.132	0.375	4.77	3.04	3.04	6.30
8	Palmerston North	1.931	1.931	1.424	3.298	77.55	191.37	1.271	0.097	0.145	0.268	6.72	4.47	27.57	96.20
9	Tauranga	1.925	1.925	1.050	2.530	143.21	219.76	1.364	0.071	0.099	0.343	2.06	15.16	14.02	49.04
10	Timaru	2.085	2.085	1.670	2.717	99.62	231.54	1.177	0.126	0.157	0.362	5.43	28.98	3.46	114.14
11	Wellington	2.047	2.047	1.392	2.955	114.94	254.05	1.317	0.154	0.170	0.444	5.37	28.98	3.46	114.14
12	Whangarei	2.167	2.167	1.546	3.036	86.16	209.19	1.365	0.095	0.084	0.296	5.04	11.76	11.76	..
		2.032	2.032	1.508	2.920	99.07	241.63	1.292	0.154	0.157	0.371	4.57	14.42	9.10	60.64
1	Bluff	2.157	2.157	1.860	2.491	77.14	200.40	1.396	0.308	0.103	0.435	5.03	14.71	6.38	39.52
2	Kaipoi	2.112	2.112	1.776	3.038	80.98	224.23	1.342	0.049	0.189	0.393	7.42	1.82	4.32	8.75
3	Lytelton	2.136	2.136	1.539	3.179	103.61	220.04	1.247	0.337	0.067	0.493	3.34	20.24	3.82	50.91
4	Riccarton	2.044	2.044	1.307	2.991	123.12	271.24	1.346	0.212	0.110	0.334	5.81	21.16	-0.30	89.84
5	Taumarunui	1.961	1.961	1.386	2.830	82.94	198.12	1.627	0.230	0.084	0.354	3.40	55.55	13.74	339.25
6	Taupo	2.087	2.087	1.721	2.969	116.27	264.09	1.204	0.068	0.304	0.430	7.11	18.72	1.33	35.03
7	Te Aroha	2.172	2.172	1.743	3.089	77.69	188.36	1.375	0.302	0.116	0.520	4.72	10.72	17.34	61.98
8	Thames-Coromandel D.C.	2.210	2.210	1.692	3.682	84.43	208.66	1.453	0.047	0.057	0.176	4.13	21.47	22.67	12.47
9	Waioata	2.095	2.095	1.696	3.089	69.69	206.54	1.313	0.106	0.159	0.398	6.46	4.12	22.67	..
10	Whakatane D.C.	2.303	2.303	1.763	3.726	86.92	224.66	1.236	0.092	0.114	0.245	3.54	33.71	9.96	118.17
		2.112	2.112	1.657	2.752	96.19	232.43	1.301	0.133	0.174	0.366	5.91	27.21	8.69	76.03
1	Healthcote	1.842	1.842	1.825	1.958	102.00	311.08	1.297	0.260	0.300	0.509	18.12	21.33	2.23	67.71
2	Kaikoura	2.561	2.561	1.929	3.396	95.30	165.33	1.272	0.649	0.250	1.045	5.66	24.54	-4.69	72.51
		2.018	2.018	1.849	2.251	99.86	258.01	1.203	0.352	0.288	0.697	12.46	60.41	7.44	130.76
1	Rotorua	2.280	2.281	1.749	3.195	83.41	222.34	1.258	0.221	0.284	0.581	12.06	..	..	..
	Government Department	1.846	2.209	2.004	2.487	97.63	243.65	..	..	..	..	..	..	..	..
	Southland ¹	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Averages for all Supply Authorities	..	1.711	1.679	1.786	102.20	250.06	0.853	0.213	0.353	0.613	6.84	69.75	-2.90	..
	GRAND TOTALS	..	1.255	1.202	1.903	70.81	177.84	0.694	0.198	0.295	0.533	5.86	67.27	-2.00	..
1976		..	1.210	1.156	1.298	63.57	162.08	0.717	0.221	0.287	0.670	5.82	63.63	-1.95	..
1975		..	1.189	1.141	1.252	62.32	160.47	0.711	0.195	0.266	0.602	5.82	62.06	-1.77	..
1974		..	1.183	1.103	1.261	59.26	154.15	0.723	0.183	0.268	0.592	5.74	61.66	5.29	..
1973		..	1.243	1.101	1.390	56.18	144.37	0.793	0.194	0.286	0.627	5.87	61.71	6.27	..
1972		..	1.287	1.085	1.557	51.46	137.26	0.920	0.182	0.298	0.613	6.00	62.83	7.58	..
1971		..	1.294	1.085	1.357	41.99	121.97	0.701	0.166	0.302	0.582	6.14	63.87	9.57	..
1970		..	1.302	1.091	1.366	43.70	115.54	0.662	0.162	0.310	0.562	6.15	65.31	12.20	..
1969		..	1.215	1.021	1.479	43.70	115.54	0.537	0.156	0.300	0.562	5.92	65.19	11.14	..
1968		..	1.116	0.932	1.368	39.41	107.96	0.476	0.156	0.300	0.562	5.48	65.14	12.15	..

¹Power purchased from sundry private plants.²Net costs divided by kWh sold retail.³As for note 8, table VII, and as a result the operations of the Tauranga Electric Power Board.⁴Includes 800 420 kWh received at no cost.⁵Annualization of Waitemata and Golden Bay Electric Power Boards.⁶Annualization of Waitemata and Golden Bay Electric Power Boards.⁷Does not include costs of recoverable street lighting maintenance; plant equipment, building and property maintenance; non-recoverable inspection of consumer premises and testing of appliances. These costs are included in total column.⁸Shown separately but included with New Zealand Electricity Department.⁹Includes Southland Electric Supply.¹⁰Not shown on table XI.¹¹Net costs divided by kWh sold retail.

TABLE XIII—STATISTICS OF POPULATION, TOTAL CONSUMERS, ELECTRIC RANGES AND WATERHEATERS, STAFF EMPLOYED, FOR THE YEAR ENDED 31 MARCH 1977

No.	Supply Authorities	Population in Area of Supply ¹	Total Number of Consumers ¹	Ratio of Total Number of Consumers to Population	Electric Ranges		Electric Water-heaters		Consumers Per Circuit kilometre of Line	Staff Employed	No.
					Domestic	Number of Domestic Ranges per 100 Domestic Consumers	Domestic	Number of Domestic Waterheaters per 100 Domestic Consumers			
1	NEW ZEALAND ELECTRICITY DEPARTMENT ²	..	29 762	..	20 480	..	19 781	..	..	5 613	
	POWER BOARDS										
1	Ashburton	25 500	12 139	47.60	9 221	102.89	11 840	132.11	4.32	106	1
2	Auckland	496 500	192 705	38.81	142 643	85.28	154 044	92.09	29.40	1 068	2
3	Bay of Islands	38 800	15 352	39.57	10 500	90.78	10 205	88.23	3.96	115	3
4	Bay of Plenty	36 500	13 378	36.65	8 259	83.64	8 073	81.75	7.17	143	4
5	Buller	8 400	3 493	41.58	2 321	82.60	1 637	58.26	5.31	32	5
6	Cambridge	12 450	5 327	42.79	3 864	96.31	5 274	131.46	5.50	28	6
7	Central Canterbury	44 100	19 276	43.71	13 748	93.43	13 858	94.18	6.23	172	7
8	Central Hawke's Bay	13 200	6 419	48.63	5 067	105.96	4 980	104.14	3.13	32	8
9	Central Waikato	101 800	36 806	36.16	28 693	93.10	26 871	87.18	8.30	236	9
10	Dannevirke	12 250	5 910	48.24	4 149	97.65	4 099	96.47	5.95	42	10
11	Egmont	25 600	11 601	45.32	7 812	97.43	7 902	98.55	6.86	84	11
12	Franklin	40 300	18 240	45.26	12 535	96.40	11 946	92.15	6.88	109	12
13	Hawke's Bay	98 800	37 025	37.48	29 460	93.45	30 672	97.30	9.11	271	13
14	Horowhenua	52 900	25 732	48.64	19 347	86.61	20 192	90.40	17.03	179	14
15	Hutt Valley	209 200	70 662	33.78	60 258	93.59	64 245	99.79	36.31	584	15
16	King Country	17 350	7 619	43.91	4 930	83.99	4 757	81.04	3.36	52	16
17	Manawatu	46 300	19 094	41.24	14 006	96.11	13 692	93.95	8.09	139	17
18	Marlborough	32 000	13 450	42.03	9 564	89.63	10 134	94.97	5.98	116	18
19	North Auckland	49 100	22 455	45.73	17 152	98.71	16 341	94.04	5.84	190	19
20	North Canterbury	27 100	13 940	51.44	9 762	94.44	9 906	95.83	3.75	127	20
21	Otago	26 400	13 976	56.81	7 524	73.53	7 655	74.81	3.28	106	21
22	Otago Central	19 200	9 869	51.40	6 884	86.91	6 690	84.46	4.77	112	22
23	Poverty Bay	45 800	18 771	40.98	13 147	88.93	13 064	88.37	7.04	146	23
24	South Canterbury	41 800	16 725	40.01	11 954	80.79	11 345	76.68	6.21	186	24
25	Taranaki	28 400	13 265	46.71	9 107	95.25	8 520	89.11	5.53	88	25
26	Taranaki	8 030	4 546	56.61	2 888	94.69	2 812	92.02	3.49	34	26
27	Tasman ⁴	48 000	20 352	42.40	16 529	105.01	17 169	109.07	7.10	152	27
28	Tauranga	61 400	27 400	44.63	20 400	90.84	19 930	88.75	8.54	187	28
29	Te Awamutu	20 600	9 060	43.98	5 792	93.75	6 077	98.37	7.71	43	29
30	Thames Valley	84 100	40 221	47.83	29 977	99.14	28 449	94.08	6.23	306	30

(for notes see page 32.)

TABLE XIII—STATISTICS OF POPULATION, TOTAL CONSUMERS, ELECTRIC RANGES AND WATERHEATERS, STAFF EMPLOYED, FOR THE YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Population in Area of Supply ¹	Total Number of Consumers ¹	Ratio of Total Number of Consumers to Population	Electric Ranges		Electric Water-heaters		Consumers Per Circuit kilometre of Line	Staff Employed	No.
					Domestic	Number of Domestic Ranges per 100 Domestic Consumers	Domestic	Number of Domestic Waterheaters per 100 Domestic Consumers			
POWER BOARDS—continued											
31	Wairarapa	38 600	16 488	42.72	12 262	95.73	12 442	97.13	5.84	157	31
32	Waioara	5 630	2 975	52.84	1 883	94.06	1 906	95.20	3.04	26	32
33	Waikato	23 000	10 059	43.73	7 634	94.04	7 341	90.43	5.64	100	33
34	Waitemata	265 500	104 084	39.20	84 533	91.29	89 177	96.31	12.97	574	34
35	Waikato ⁵	20 600	10 410	50.53	6 728	95.83	6 862	97.74	3.88	80	35
36	Wanganui-Rangitikei	70 000	28 744	41.06	20 258	88.09	20 510	89.19	7.23	208	36
37	West Coast	26 300	9 849	37.45	4 863	64.59	3 798	50.44	6.59	130	37
		2 221 200	907 417	40.85	675 654	90.67	694 415	93.19	8.66	6 460	
CITY COUNCILS											
1	Christchurch	248 900	95 638	38.43	80 606	93.29	85 469	98.91	36.21	569	1
2	Dunedin	116 700	46 163	39.56	31 923	79.85	36 773	91.98	27.09	370	2
3	Hamilton	23 700	11 941	50.38	6 849	75.32	7 886	86.73	46.10	77	3
4	Invercargill	39 600	15 011	37.91	9 350	71.03	9 673	73.48	38.69	70	4
5	Napier	12 050	5 482	45.49	3 423	79.35	4 091	94.83	39.44	77	5
6	Nelson	16 800	7 025	41.82	3 979	72.42	5 801	105.59	50.18	56	6
7	New Plymouth	49 000	20 127	41.08	13 127	79.36	14 742	89.12	18.86	147	7
8	Palmerston North	42 100	17 061	40.52	11 998	82.63	13 546	93.29	54.16	80	8
9	Tauranga	5 400	3 519	65.17	2 174	95.81	2 263	99.74	23.62	34	9
10	Timaru	19 800	8 468	42.77	5 948	84.04	6 081	85.91	34.42	52	10
11	Wellington	121 200	54 548	45.01	26 258	57.02	40 362	87.65	37.83	315	11
12	Whangarei	17 600	7 249	41.19	5 846	99.81	5 756	98.28	50.69	28	12
		712 800	292 252	41.00	201 481	80.35	232 443	92.69	33.85	1 875	
BOROUGH COUNCILS											
1	Bluff	2 990	1 151	38.49	569	61.98	436	47.49	34.88	12	1
2	Kaipoi	4 410	1 607	36.44	1 369	94.28	1 422	97.93	44.64	18	2
3	Lyttelton	2 850	1 342	47.09	1 106	96.85	1 112	97.37	32.73	11	3
4	Riccarton	7 270	3 300	45.39	2 618	92.90	2 945	104.51	55.93	24	4
5	Taurarunui	4 030	1 687	41.86	1 035	79.92	1 033	79.77	43.26	12	5

(For notes see page 32.)

TABLE XIV—STATISTICS RELATING TO ELECTRICIANS REGISTRATION BOARD, YEAR ENDED 31 MARCH 1977

(The figures shown in parentheses are for the previous year)

1. Number of board meetings: 18 (19)

2. Registrations—

Inspectors
 Electrical technicians
 Electricians
 Electrical mechanics
 Radio servicemen
 Radio mechanics
 Limited registration

 Provisional licences
 Permits to assist
 Application for ruling on experience as an electrical technician
 Application for ruling on experience—others

	During the Year	Current Registration	Removed from Register
Inspectors	45 (44)	572 (593)	66 (26)
Electrical technicians	57 (92)	2 026 (1 982)	13 (9)
Electricians	651 (729)	13 465 (12 927)	113 (134)
Electrical mechanics	54 (67)	631 (602)	25 (24)
Radio servicemen	218 (230)	4 225 (4 010)	3 (Nil)
Radio mechanics	12 (10)	53 (44)	3 (1)
Limited registration	266 (256)	3 436 (3 199)	29 (12)
Provisional licences	365 (517)		
Permits to assist	254 (367)		
Application for ruling on experience as an electrical technician	142 (137)		
Application for ruling on experience—others	110 (219)		

3. Examinations—

Two examinations were held as follows:

Practical 1 May, 16 October
 Written 30 October, a.m. and p.m.

Electricians and electrical fitters theory paper ..
 Electricians and electrical fitters, regulations paper ..

 Electricians and electrical fitters, two practical papers

 Radio servicemen's theory paper
 Radio servicemen's wiring paper
 Limited registration written paper
 Radio servicemen and limited registration, two practical papers

	Candidates	Number Passed	Passed Percentage	Highest Marks
Electricians and electrical fitters theory paper	1 169 (977)	717 (579)	61 (59)	95 (92)
Electricians and electrical fitters, regulations paper	1 118 (858)	781 (571)	70 (67)	52/46 = (52/44 = 98 96)
Electricians and electrical fitters, two practical papers	687 (1 120)	509 (669)	74 (60)	96 (92)
Radio servicemen's theory paper	211 (159)	150 (117)	71 (74)	92 (92)
Radio servicemen's wiring paper	338 (216)	295 (201)	87 (93)	98 (91)
Limited registration written paper	324 (345)	180 (266)	56 (77)	91 (93)
Radio servicemen and limited registration, two practical papers	674 (642)	556 (486)	82 (76)	97 (92)
	4 521	3 188	71	

4. Breach of Act and defective work—

Defective work reports 7 (3)
 Breach of Act reports 15 (23)
 Prosecutions authorised 9 (15)
 Prosecutions completed 15 (4)
 Demotions 1 (1)

TABLE XIII—STATISTICS OF POPULATION, TOTAL CONSUMERS, ELECTRIC RANGES AND WATERHEATERS, STAFF EMPLOYED, FOR THE YEAR ENDED 31 MARCH 1977—continued

No.	Supply Authorities	Population in Area of Supply ¹	Total Number of Consumers ¹	Ratio of Total Number of Consumers to Population	Electric Ranges		Electric Water-heaters		Consumers Per Circuit kilometre of Line	Staff Employed No.
					Domestic	Number of Domestic Ranges per 100 Domestic Consumers	Domestic	Number of Waterheaters per 100 Domestic Consumers		
6	Taupo ..	16 550	7 286	44.02	5 520	93.26	5 849	98.82	9.93	6
7	Te Aroha ..	3 220	1 477	45.87	993	84.80	1 040	88.81	17.80	7
8	Thames-Coromandel D.C. ..	6 490	2 626	40.46	2 183	98.78	2 269	102.67	27.07	8
9	Waikato ..	5 510	1 859	33.74	1 553	96.88	1 526	95.20	30.98	9
10	Whakatane D.C. ..	9 210	3 526	38.28	2 894	100.98	2 958	102.60	58.77	10
		62 500	25 861	41.38	19 840	92.66	20 590	96.17	20.82	186
	COUNTY COUNCILS									
1	Heathcote ..	6 740	2 210	32.78	2 031	98.26	2 088	101.02	35.65	11
2	Kaikoura ..	3 150	1 618	51.37	921	78.92	919	78.75	7.03	13
		9 890	3 828	38.71	2 952	91.28	3 007	92.98	13.11	24
1	ROTORUA AREA ELECTRIC AUTHORITY	56 100	21 046	37.51	17 195	99.49	16 465	95.27	13.59	118
1	SOUTHLAND ³ GOVERNMENT DEPARTMENT	69 800	27 969	40.07	18 707	85.64	17 984	82.33	3.73	221
	GRAND TOTALS ..	3 132 330	1 280 166	40.87	937 602	88.34	986 701	92.86	9.15	14 276

Total population as at 1 April 1977 was 3,140,100. Mean population as at 1 April 1977 was 3,120,600. Ratio of population in area of supply to total population: 99.75 percent.

NOTES—¹For detailed analysis see table XI.

²Includes Southland Electric Power Supply, Bay Electric Power Boards.

³Amalgamation of Waikato and Waikare Electric Power Boards.

⁴Shown separately but included with New Zealand Electricity Department.

⁵Provisional. ⁶Sum of individual populations do not always sum to the given subtotal due to Department of Statistics Amalgamation of Waikato and Golden Bay Electric Power Boards.

SUPPLEMENT—continued

	Table XIII— Pages 29, 30, and 31, column 1 Population in Area of Supply	Table XIII— Pages 29, 30, and 31, column 3 Ratio of Total Number of Consumers to Population	Table VII— Pages 7 and 8, column 13 Energy Sold (Average per Head of Population ^{1, 2})	Table XII— Pages 28 and 29 column 5 Income from Sale of Energy per Head of Population
	number	percent	kWh	\$
ER BOARDS—continued				
Janterbury	41 829	38.98	4 380	70.95
ki	28 422	45.14	5 018	65.30
a	8 124	56.68	4 293	78.66
ga	60 997	43.67	3 814	60.52
mutu	20 472	42.57	4 359	56.31
Valley	83 720	47.00	10 054	106.59
a	43 874	40.61	3 947	56.06
apa	38 602	41.98	4 376	74.70
c	3 166	61.02	3 769	82.10
t	5 678	51.94	4 473	65.44
i	22 959	42.73	4 736	73.01
ata	263 558	37.96	3 161	51.33
no	17 380	47.60	5 213	78.07
mui—Rangitikei	69 923	40.36	4 565	65.53
Coast	26 277	36.88	3 611	70.09
	2 213 394	39.93	4 774	67.72
CITY COUNCILS				
church	247 776	37.65	4 686	68.02
lin	116 623	39.04	5 391	72.75
lton	23 582	50.59	4 468	82.95
argill	39 488	37.67	4 347	61.70
r	12 002	45.93	5 167	88.67
a	16 706	41.18	4 531	71.28
Plymouth	48 792	39.84	4 195	58.56
erston North	41 924	40.53	3 949	55.39
unga	5 390	64.77	7 202	110.95
ru	19 727	42.44	4 901	73.97
ngton	120 988	43.35	5 464	83.36
garei	17 438	40.75	3 834	61.46
	710 436	40.24	4 839	70.91
BOROUGH COUNCILS				
poi	3 016	38.40	3 532	57.93
lton	4 376	34.71	2 435	54.29
arton	2 864	46.05	4 884	74.01
narunui	7 280	45.08	5 985	84.23
o	4 024	41.18	4 399	62.22
roha	16 444	42.44	5 273	82.83
nes	3 202	45.75	3 373	59.39
roa	6 465	40.25	3 957	61.23
katane	5 466	35.05	3 467	51.81
	9 166	37.74	3 713	60.47
	62 303	40.70	4 472	68.59
COUNTY COUNCILS				
thcote	6 707	32.06	5 434	70.49
koura	3 128	50.16	3 681	61.73
	9 835	37.81	4 877	67.71
AREA ELECTRIC AUTHORITY				
orua	55 854	37.15	3 637	58.46
GOVERNMENT DEPARTMENT				
ithland	69 797	39.58	4 154	..
GRAND TOTALS	3 121 619	40.01	..	70.95

¹All population figures for census night 23 March 1976.

²Energy sold retail divided by population in area of supply.

SUPPLEMENT

Annual Statistics in Relation to Electric Power Development and Operation—
Year Ended 31 March 1976

The following amendments are necessary:

Condensed Statistics, page 1:

- Item 6, shows 1 248 909, should read 1 248 905.
Item 7, shows 3 103 700, should read 3 097 100.
Item 8, shows 3 130 083, should read 3 124 500.
Item 14, shows 127 166 133, should read 127 666 133.
Item 22, shows 6 467, should read 6 480.
Item 23, shows 6 412, should read 6 424.
Item 24, shows 5 687, should read 5 699.
Item 25, shows 5 639, should read 5 649.

Table III, page 2:

- Capital Charges—
Per kWh output, shows 0.4284, should read 0.4996.
Per kWh sold, shows 0.4630, should read 0.5398.

Table IV, page 2:

- Total cost per kWh sold.
Total, reads 0.0964, should read 0.9064.

Table VI, page 4:

- Static Head in Metres—Mangahao:
Reads 23, should read 273. (This applies to all years back to 1973 inclusive.)

Table VII, page 8:

- Generated and Purchased:
County Councils subtotal, reads 57 837 560, should read 51 837 560.

Table IX, page 15:

- Capital Charges:
Total Transmission and Distribution City Council subtotal, reads 5 576 369, should read 5 276 369.

Table VI, page 4:

- Circuit kilometres of lines. New Zealand Electricity Department—North Island:
Page 4: Reads 9245, should read 8888.
Page 4: Subtotals reads 23 425, should read 23 068.
Page 6: Grand total reads 138 146, should read 137 789.

Table VI, page 5:

- Voltage—Transmission:
Tauranga City Council, reads 3300, should read 33 000.
Voltage—Distribution:
Tauranga City Council, delete 33 000.

Table VII, page 8:

- Notes at foot of table: as amendments to Condensed Statistics; items 22, 23, 24, and 25.

Table XI (Part II), page 24:

- Total Retail Sales—Consumers:
Wellington City Council: reads 52 448, should read 52 444.
City Council Subtotal: reads 285 862, should read 285 858.
Grand Total: reads 1 247 132, should read 1 247 128.

Table XIA, page 25:

- Urban Traction—Consumers: reads 5, should read 3.
Notes at foot of table: reads reduced by 5, should read 3.

Table XIII, page 30: Total Consumers—

- Wellington City Council: reads 52 448, should read 52 444.
City Council Subtotal: reads 285 862, should read 285 858.
Grand Totals: reads 1 248 909, should read 1 248 905.
Consumers per circuit-kilometre of lines:
Wellington City Council: reads 24.54, should read 36.91.
Grand Totals: reads 9.04, should read 9.06.

Notes at foot of table:

- Total population: reads 3 130 083, should read 3 124 500.
Mean population: reads 3 103 083, should read 3 097 100.
Ratio of population: reads 99.92, should read 99.75.
(Based on census night 23 March 1976.)

	<i>Table XIII— Pages 29, 30, and 31, column 1 Population in Area of Supply</i>	<i>Table XIII— Pages 29, 30, and 31, column 3 Ratio of Total Number of Consumers to Population</i>	<i>Table VII— Pages 7 and 8, column 13 Energy Sold (Average per Head of Population^{1, 2})</i>	<i>Table XII— Pages 28 and 29 column 5 Income from Sale of Energy per Head of Population</i>
	number	percent	kWh	\$
POWER BOARDS				
1. Ashburton	25 403	47.67	4 667	67.15
2. Auckland	494 791	38.20	5 066	67.86
3. Bay of Islands	38 586	38.78	3 697	59.16
4. Bay of Plenty	36 267	35.99	7 979	92.17
5. Buller	8 376	41.11	7 209	90.06
6. Cambridge	12 404	41.46	4 059	58.79
7. Central Canterbury	43 928	42.30	6 589	102.49
8. Central Hawke's Bay	13 195	48.03	4 498	65.27
9. Central Waikato	101 269	35.12	3 478	53.26
10. Dannevirke	12 317	47.11	4 336	64.22
11. Egmont	25 662	44.02	5 238	74.08
12. Franklin	40 073	43.93	3 938	58.09
13. Golden Bay	3 937	49.33	15 058	140.13
14. Hawke's Bay	98 399	36.80	6 081	73.37
15. Horowhenua	52 720	47.53	4 201	68.89
16. Hutt Valley	208 363	33.03	4 340	68.26
17. King Country	17 475	42.92	3 988	49.34
18. Manawatu—Oroua	46 060	39.91	4 613	71.89
19. Marlborough	31 899	40.76	3 919	64.80
20. North Auckland	48 961	44.73	5 624	72.49
21. North Canterbury	27 094	49.72	4 435	74.39
22. Otago	26 472	52.14	5 279	74.54
23. Otago Central	19 035	49.33	5 671	74.34
24. Poverty Bay	45 727	39.52	3 648	59.06

¹All population figures for census night 23 March 1976

²Energy sold retail divided by population in area of supply.