

ANNUAL STATISTICS IN RELATION TO
ELECTRIC POWER DEVELOPMENT AND OPERATION

YEAR ENDED 31 MARCH 1958

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

No.			Water	Steam	Oil	Total	No.
1	Generating stations	No.	40	4	12	56	1
2	Installed capacity	kW.	1,135,546	51,025	14,464	1,201,035	2
3	Generation	kWh.	5,382,281,899	260,135,490	1,731,794	5,644,149,183	3
4	Maximum load	kW.				1,122,100	4
5	Retail sales	kWh				4,653,002,416	5
6	Consumers	No.				751,363	6
7	Population	No.				2,275,515	7
8	Capital outlay, generation, transmission, and distribution	£				229,367,654	8
9	Revenue retail sales of electricity	£			21,602,797		9
10	Revenue from other sources	£			519,116		10
11	Total revenue	£				22,121,913	11
12	Working costs	£			9,517,440		12
13	Capital charges	£			10,170,617		13
14	Total costs	£				19,688,057	14
15	Net profit	£				2,433,856	15
16	Working costs per kWh. sold retail	d.			0.4909		16
17	Capital charges per kWh. sold retail	d.			0.5246		17
18	Total costs per kWh. sold retail	d.				1.0155	18
19	Total revenue per kWh. sold retail	d.				1.1410	19
20	Revenue retail sales of electricity per kWh. sold retail	d.				1.1143	20
21	Generation per head of total population	kWh.				2,480	21
22	Retail sales per consumer	kWh.				6,193	22
23	Capital outlay per kW. installed capacity	£				190.97	23
24	Ratio of capital charges to capital outlay	%				4.434	24
25	Electrical fires reported during year	No.				191	25
26	Fatal electrical accidents during year	No.				10	26
27	Electric ranges	No.				406,465	27
28	Electric water heaters	No.				462,301	28
29	Electric motors	No.				421,354	29

TABLE I—NEW ZEALAND ELECTRICITY DEPARTMENT ONLY

Summarised Gross Revenue, Net Revenue, and Appropriation Accounts for Year Ended 31 March 1958

	£		£
Working costs	4,536,206	Revenue—	
Capital charges—		Sales of energy	10,709,180
Interest	4,620,674	Rent and miscellaneous receipts	95,538
Depreciation	1,672,555	Total revenue	10,804,718
	6,293,229	Transfer from Reserve Fund	24,717
Total costs (see Table IV)	10,829,435		10,829,435

NOTE—No surplus profits available for loan capital repayments.

TABLE II—NEW ZEALAND ELECTRICITY DEPARTMENT ONLY

Summarised Balance Sheet as at 31 March 1958

	£		£
Loan liability	144,987,682	Completed works	120,346,976
Sundry creditors, etc.	1,905,841	Works under construction	46,926,621
Reserves—		Plant, motor vehicles, and tools	931,579
Depreciation	13,638,422	Stocks of materials	2,299,825
Loan capital repayments	7,113,180		

TABLE III—OPERATING RESULTS: NEW ZEALAND ELECTRICITY DEPARTMENT ONLY

	1957-58		1957-58
Maximum load (kilowatts)—		Revenue—	
North Island†	750,479	Per kW. of maximum load	£ 9 9576
South Island†	324,997	Per unit output	0 475d.
	*1,075,476	Per unit sold	0 524d.
Average load (kilowatts)—		Working costs—(including administra- tion)—	
North Island	445,096	Per kW. of maximum load	£4 2179
South Island	173,214	Per unit output	0 201d.
		Per unit sold	0 222d.
Average load factor—	Per Cent	Capital charges—	
North Island	59.31	Per kW. of maximum load	£5 8516
South Island	53.30	Per unit output	0 279d.
		Per unit sold	0 308d.
Unit output (generated and purchased)—		Total costs—	
North Island	3,899,041,293	Per kW. of maximum load	£10 0695
South Island	1,517,358,425	Per unit output	0 480d.
		Per unit sold	0 530d.
Total	5,416,399,718		
Units sold—			
North Island	3,541,568,305		
South Island	1,359,915,743		
Total	4,901,484,048		
Units unsold (used free of charge)—			
North Island	35,554,929		
South Island	18,603,745		
Total	54,158,674		
Line losses			
Transmission and distribution—	Units	Per Cent	
North Island	321,918,059	8.26	
South Island	138,838,937	9.15	
Total	460,756,996	8.51	

*Sum of North and South Island maximum loads— not simultaneous maximum demand.

†See footnote, Table VII, for maximum load for total public supply.

TABLE IV—NEW ZEALAND ELECTRICITY DEPARTMENT ONLY
Analysis of Operating Costs for Year Ended 31 March 1958

	(a) Working Costs	(b) Administration Costs	(c) Capital Charges	(d) Total Costs	(e) Total Cost per kWh.	
					Output	Sold
Hydro-electric stations	£ 786,879	£ 334,274	£ 4,071,228	£ 5,192,381	0 2450	d.
Thermal stations	1,514,490	109,175	55,819	1,679,484	1 6234	
Power purchases	194,053	3,881		197,934	0 5804	
Generated and purchased	2,495,422	447,330	4,127,047	7,069,799	0 3133	0 3462
Transmission	313,910	133,352	1,021,918	1,469,180	0 0651	0 0719
Substations	484,827	205,959	998,864	1,689,650	0 0749	0 0827
Communications	56,834	24,144	49,336	130,314	0 0057	0 0064
Retail distribution	112,654	90,889	96,064	299,607	0 0133	0 0147
System operation	119,935	50,950		170,885	0 0076	0 0083
Totals	3,583,582	952,624	6,293,229	10,829,435	0 4799	0 5302
Administration (see column (b))	952,624					
	4,536,206	SUMMARY				
		Working costs	3,583,582	0 1588	0 1755	
		Administration costs	952,624	0 0423	0 0466	
		Capital charges	6,293,229	0 2788	0 3081	
		Total costs	10,829,435	0 4799	0 5302	

TABLE V—NEW ZEALAND ELECTRICITY DEPARTMENT ONLY
Analysis of Capital Outlay as at 31 March 1958

	Headworks	Station Buildings and Village	Generating Plant and Machinery	Total	Grand Total
Completed Works					
Hydro-electric stations—	£	£	£	£	£
Karapiro	2,574,316	603,356	956,752	4,134,424	
Arapuni	1,526,482	555,117	1,098,292	3,179,891	
Maractai	6,033,248	1,669,825	1,773,379	9,476,452	
Whakamaru	6,939,381	1,323,770	2,241,719	10,504,870	
Lake Taupo Control	205,165			205,165	
Kaitawa	1,208,910	189,553	314,906	1,713,369	
Tuairua	275,344	335,613	474,281	1,085,236	
Piripaua	756,567	107,849	212,709	1,077,125	
Lake Waikaremoana Control	466,004			466,004	
Mangahao	979,637	191,069	285,201	1,455,907	
Cobb	4,128,770	405,344	394,787	4,928,901	
Arnold	109,996	10,767	26,917	147,680	
Lake Coleridge	552,479	175,353	252,882	980,714	
Highbank	333,788	126,730	179,901	640,419	
Lake Tekapo	2,561,577	509,747	441,886	3,513,210	
Lake Pukaki Control	2,309,883			2,309,883	
Waitaki	1,743,126	1,521,599	1,163,918	4,428,643	
Roxburgh	15,632,207	2,513,943	2,505,477	20,651,627	
Lake Wakatipu Control	208			208	
Monowai	132,842	60,172	63,534	256,548	
	48,469,930	10,299,805	12,386,541		71,156,276
Thermal stations—					
King's Wharf		165,170	259,243	424,413	
Evans Bay		77,066	221,484	298,550	
Stoke		12,341	66,961	79,302	
Dobson		43,988	129,350	173,338	
		298,565	677,038		975,603
Transmission system—					
33 kV. lines				45,091	
50 kV. lines				777,237	
66 kV. lines				2,146,999	
110 kV. lines				7,209,023	
220 kV. lines				7,682,572	
					17,860,922
Substations—					
33 kV.				28,671	
50 kV.				1,099,660	
66 kV.				1,741,865	
110 kV.				8,377,545	
220 kV.				6,210,244	
					17,457,985
Communications					862,291
Distribution system					1,678,985
Offices, stores, land, and buildings					672,792
Cost of raising loans					838,836
Interest during construction on completed works					8,843,286
Completed works					120,346,976
Works Under Construction					
Hydro-electric stations—					
Atiamuri	6,205,848	1,234,873	1,387,098	8,827,819	
Waipapa	2,717,715		27,766	2,745,481	
Ohakuri	1,909,544		43,753	1,953,297	
Benmore	629,918			629,918	
Roxburgh	776,887			776,887	
Lake Hawea Control	2,151,055			2,151,055	
Additions to completed stations		3,094	46,718	49,812	
	14,390,967	1,237,967	1,505,335		
Thermal stations—					
Mercer	713,430*	1,975,761	7,965,707	10,654,898	
Wairakei	5,110,808	561,429	236,520	5,908,757	
	5,824,238	2,537,190	8,202,227		
Transmission system—					
33 kV. lines				28,320	
50 kV. lines				17,818	
66 kV. lines				164,518	
110 kV. lines				578,111	
220 kV. lines				1,687,169	
500 d.c. lines (survey)				2,695	
Substations—					
33 kV.				3,679	
50 kV.				76,944	
66 kV.				201,951	
110 kV.				705,151	
220 kV.				444,843	
Communications					78,530
Distribution system					71,580
Offices, stores, land, and buildings					52,997
					37,812,230
Interest on works under construction					1,655,442
Surveys and investigations of other schemes					1,458,949

TABLE VII—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION FOR THE YEAR ENDED 31 MARCH 1958—continued

Authorities	Connected Load	Maximum Load	Demand Factor	Generated			Feed Back	Net Generated	Purchased	Net Generated and Purchased	Sold			Percentage Non-productive ¹	Units Sold (Average)				Average Maximum Demand per Retail Consumer
				Water	Steam	Oil					In Bulk for Resale	Retail to Consumers			Per Head of Population ²	Per Consumer (Excluding Bulk Supply)	Per Cent of Distribution Capital ³	Per Route-mile of Line ⁴	
												kWh	kWh						
COUNCILS	768,470	100,058	13.0247-39						415,414,944	415,414,944	66,257	376,158,039	39,256,905	9.46	2,090	93	239,113	1.647	
..	358,451	75,500	21.0645-76	125,248,700			125,248,700	177,373,200	324,621,900	324,621,900		269,136,023	34,485,877	11.40	2,560	98	330,689	2.076	
..	86,797	8,724	10.0557-06					41,144,368	41,144,368		34,592,016	4,915,483	5.65	1,853	120	186,281	0.909		
..	84,969	10,710	12.7045-53					28,819,700	28,819,700		26,892,777	1,625,923	12.32	1,559	67	245,919	1.050		
..	36,151	5,660	14.6457-72					28,819,700	28,819,700		26,892,777	1,625,923	5.68	1,579	150	183,624	1.067		
..	77,979	6,695	8.6659-83					35,093,180	35,093,180		31,062,292	4,030,888	11.49	2,037	118	452,145	1.140		
..	112,605	15,027	13.1661-36	19,180,160				80,770,432	80,770,432		72,162,000	8,608,432	10.66	1,800	180	157,731	0.791		
..	184,329	16,018	8.6850-45	161,474			161,474	70,790,434	70,790,434		64,073,962	6,716,472	9.49	1,747	121	477,096	2.279		
..	93,283	9,648	10.3452-67					44,515,200	44,515,200		39,325,818	5,189,382	11.66	1,683	105	306,973	1.665		
..	450,898	70,600	15.6647-35					292,851,020	292,851,020		270,044,221	22,806,799	7.79	2,308	106	344,884	1.599		
TOTALS	..	..	..	144,428,060	..	..	125,410,174	1,228,771,536	1,354,181,710	66,257	1,223,978,516	130,196,957	9.61	2,102	104	275,299	..
COUNCILS	10,000	1,095	10.9443-84					4,204,000	4,204,000		3,678,959	525,041	12.51	1,164	88	238,191	1.151		
..	11,334	643	5.6757-42					3,234,300	3,234,300		2,862,033	372,267	11.51	1,655	88	168,231	0.916		
..	9,159	1,043	11.3952-82					4,624,000	4,624,000		4,392,789	231,211	8.99	1,621	104	255,024	1.159		
..	15,151	1,264	8.4753-35	249,650				6,006,920	6,006,920		5,215,193	785,727	13.09	1,557	153	291,522	1.134		
..	6,320	722	11.4149-37					3,135,260	3,135,260		2,745,933	389,327	12.42	950	64	30,510	0.802		
..	10,084	941	9.3351-11					4,212,080	4,212,080		3,835,286	376,794	8.95	1,646	98	129,734	1.273		
..	5,432	626	11.3246-70	1,093,328			150	2,533,750	2,533,750		2,147,511	386,239	15.24	914	45	36,398	0.902		
..	15,171	1,298	8.5659-58					6,774,400	6,774,400		6,301,850	472,550	6.98	1,898	44	370,697	1.019		
..	37,815	4,272	11.3053-42					19,991,520	19,991,520		18,365,005	1,626,515	8.14	2,319	121	683,349	1.701		
..	86,905	9,936	11.4354-92					47,797,870	47,797,870		42,279,947	5,517,923	11.54	1,399	52	35,768	0.983		
..	31,290	1,766	5.6461-83					9,564,810	9,564,810		9,071,250	493,560	5.16	1,655	76	989,876	0.969		
..	11,230	808	7.9152-38					4,074,950	4,074,950		3,544,900	530,050	13.01	1,401	115	196,922	0.930		
..	13,503	1,442	10.6849-11	3,760,050				6,204,050	6,204,050		5,634,761	569,289	16.79	1,598	77	171,127	1.037		
..	25,232	1,500	5.9448-60					356,200	356,200		3,634,761	1,197,988	16.79	1,830	35	50,862	0.764		
..	24,265	3,760	15.5069-46					22,877,650	22,877,650		15,654,657	7,222,993	19.39	2,046	116	335,278	1.413		
..	12,079	1,142	9.4558-18					5,520,011	5,520,011		5,053,009	467,002	8.46	1,719	108	107,511	0.984		
..	11,509	1,635	9.4160-94					9,699,050	9,699,050		9,315,576	383,474	3.95	1,812	178	582,223	1.018		
..	19,027	2,130	11.1947-06					8,781,720	8,781,720		7,497,127	1,284,593	14.63	1,893	188	234,285	0.604		
..	14,248	1,056	7.4153-88					4,984,290	4,984,290		4,691,606	292,684	5.87	1,197	89	249,421	0.850		
..	30,997	2,412	7.7851-25					10,829,190	10,829,190		9,415,998	1,413,192	13.05	1,546	71	194,696	1.223		
..	63,910	5,750	9.0048-13					24,239,690	24,239,690		22,262,342	1,977,348	8.16	1,617	93	227,093	1.252		
TOTALS	..	..	..	33,400,673	..	..	29,297,795	187,575,391	215,873,186	3,882,486	188,695,019	23,385,681	10.83	1,570	81	121,759	..
..	5,729	808	14.1059-08					4,102,051	4,102,051		3,706,391	475,730	11.38	2,014	64	67,083	1.405		
..	1,205	152	12.6048-79					648,815	648,815		594,418	64,397	9.93	1,719	120	50,819	0.914		
..	..	..	..					4,830,866	4,830,866		4,290,739	540,127	11.18	1,968	68	65,011	..
..	22,883	2,817	12.3154-22					13,379,800	13,379,800		12,111,800	1,268,000	9.48	2,919	230	143,675	2.031		
..	2,867	268	10.3244-83					1,162,450	1,162,450		809,688	352,762	30.35	357	21	36,804	0.477		
..	4,168	268	6.4364-69					78,720	78,720		1,172,912	345,866	22.77	954	55	30,075	0.800		
..	1,392	87	6.2624-70					94,290	94,290		75,199	19,091	20.25	123	1	869	2.905		
TOTALS	9,037,341	1,122,100	..	1,192,410	..	..	2,602,508	13,552,810	16,155,318	..	14,169,589	1,985,719	12.29	1,715	81	61,076	..

(For notes see page 9.)

TABLE VII—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION FOR THE YEAR ENDED 31 MARCH 1958—continued

Authorities	Connected Load	Maximum Load	Demand Factor	Generated			Feed Back	Net Generated	Purchased	Net Generated and Purchased	Sold			Percentage Non-productive ¹	Units Sold (Average)				Average Maximum Demand per Retail Consumer
				Water	Steam	Oil					In Bulk for Resale	Retail to Consumers			Per Head of Population ²	Per Consumer (Excluding Bulk Supply)	Per Cent of Distribution Capital ³	Per Route-mile of Line ⁴	
												kWh	kWh						
..	1,005	230	12.7438-17					768,960	768,960		572,707	196,253	25.52	1,145	47	19,414	1.811		
..	0,312	1,569	18.7161-91					8,377,670	8,377,670		3,580,940	3,644,341	25.32	1,153	161	135,941	1.365		
..	4,950	1,263	25.5646-75					4,096,088	4,096,088		3,690,000	651,718	15.01	959	86	30,112	1.558		
..	..	..	..					13,242,348	13,242,348		7,907,049	2,083,450	14.46	1,042	112	34,082	..
..	..	..	..					18,730,783	18,730,783		12,433,713	6,297,070	..	..	..	..	..
TOTALS	9,037,341	1,122,100	..	1,731,794	..	..	2,602,508	16,155,318	16,155,318	..	14,169,589	1,985,719	12.29	1,715	81	61,076	..

Units generated per head of total population .. 2.480
 Units sold retail per consumer .. 6.193

Maximum load for public supply: North Island, 761,400 kW. South Island, 53.43 per cent.
 Annual load factor: North Island, 59.31 per cent. South Island, 53.43 per cent.

Notes: ¹ Includes generation by Electrical Supply Authorities for own use and is the sum of North Island 761,400 kW and South Island 360,700 kW. ² Returns for year ended 31 December 1957. ³ Includes adjusted units for transmission and distribution units used from different financial periods. ⁴ Total units sold (bulk plus retail) divided by route-miles of lines. ⁵ Includes units lost in transmission and distribution units supplied from generating stations. ⁶ Total units sold (bulk plus retail) divided by percentage of total units generated on transmission and distribution system, including loss allocation of miscellaneous expenditure. ⁷ Total units sold (bulk plus retail) divided by percentage of total units generated. ⁸ Percentage of net units generated and purchased. ⁹ Units sold retail divided by population in area of supply. ¹⁰ Includes net transfer from T. E. P. to New Zealand Electricity Department. ¹¹ Net transfer to New Zealand Electricity Department. ¹² Net transfer to Otago Central Electric Power Board. ¹³ Transfer to New Zealand Electricity Department. ¹⁴ No charge.

TABLE VIII—CAPITAL OUTLAY, FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1958

Particulars	Capital Outlay		Loan Liability		Revenue		Working Costs		Capital Charges				Net Results		No.			
	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)		£(N.Z.)		
																	Surplus	Deficit
Electricity	164,505,001	144,987,682	591,240	3,153,683	2,924,082	2,301,369	61,988	1,132,065	1,008,160	952,624	4,536,206	4,620,674	1,672,555	6,293,229	10,829,435	£(N.Z.)	£(N.Z.)	
Gas	9,656,644	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082
Water	1,320,173	918,211	307,688	4,443	3,730	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160
Other	185,999	98,770	72,227	2,004	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136
Total	164,505,001	144,987,682	591,240	3,153,683	2,924,082	2,301,369	61,988	1,132,065	1,008,160	952,624	4,536,206	4,620,674	1,672,555	6,293,229	10,829,435	£(N.Z.)	£(N.Z.)	1

TABLE VIII—CAPITAL OUTLAY, FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31 MARCH 1958—continued

Particulars	Capital Outlay		Loan Liability		Revenue		Working Costs		Capital Charges				Net Results		No.				
	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)		£(N.Z.)			
																	Surplus	Deficit	
Electricity	164,505,001	144,987,682	591,240	3,153,683	2,924,082	2,301,369	61,988	1,132,065	1,008,160	952,624	4,536,206	4,620,674	1,672,555	6,293,229	10,829,435	£(N.Z.)	£(N.Z.)	1	
Gas	9,656,644	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082	2,924,082
Water	1,320,173	918,211	307,688	4,443	3,730	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160	1,008,160
Other	185,999	98,770	72,227	2,004	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136
Total	164,505,001	144,987,682	591,240	3,153,683	2,924,082	2,301,369	61,988	1,132,065	1,008,160	952,624	4,536,206	4,620,674	1,672,555	6,293,229	10,829,435	£(N.Z.)	£(N.Z.)	1	

Notes—1 Returns for year ended 31 December 1957. 2 Actual running costs only, including fuel, wages, stores, repairs, and maintenance. 3 Includes cost of street lighting. 4 Purchased. 5 Excludes management, general, and capital charges. 6 Feed-back.

TABLE IX—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1958

Table with columns: Supply Authorities, Capital Outlay, Revenue from Sale of Electricity, Working Costs, Capital Charges, Total Costs, and No. Includes sub-sections for Power Boards and Town Boards.

(For notes see page 14.)

TABLE IX—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1958—continued

Continuation of Table IX with columns: Supply Authorities, Capital Outlay, Revenue from Sale of Electricity, Working Costs, Capital Charges, Total Costs, and No. Includes sub-sections for City Councils, Borough Councils, and Town Boards.

(For notes see page 14.)

TABLE IX—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31 MARCH 1958—continued

Supply Authorities	Capital Outlay					Revenue from Sale of Electricity					Working Costs					Capital Charges					Total Costs		
	Per Head of Population	Per Consumer	Per £1 of Revenue	Per Unit Sold (Including Bulk Sales)	Per Unit Sold (Retail Sales)	Per Unit Sold (Domestic Supply)	Per Head of Population ¹	Per Retail Consumer	Per kW of Maximum Demand	Per Route-mile of Line ²	Per Unit Sold ³	Per kW of Maximum Demand ⁴	Per Cent of Total Revenue ⁵	Per Unit Sold	Per kW of Maximum Demand	Per Cent of Capital Outlay	Per Unit Sold ⁶	Per kW of Maximum Demand ⁷	Per Cent of Distribution Capital ⁸	No.			
																					£(N.Z.)	£(N.Z.)	£(N.Z.)
COUNTY COUNCILS	12.69	37.98	1.19	0.880	0.880	0.846	10.70	32.02	15.76	526.73	0.695	2.43	76.09	0.079	0.775	5.58	0.775	93.70	7.17	1			
cathcote	24.69	90.40	3.09	5.378	5.378	5.774	7.99	29.26	61.29	324.68	1.430	8.68	117.60	0.097	6.18	6.02	8.290	93.70	79.85	2			
aikoura	30.67	127.89	4.11	1.876	1.876	1.828	7.43	31.63	235.06	1.430	26.68	7.43	0.534	1.770	6.02	1.963	33.482	45.14	3				
tairāneia	104.10	2,116.80	66.92	3.029	3.029	3.163	10.89	31.63	10.89	3.006	11.10	93.88	17.812	64.04	8.75	20.898	73.13	10.31	4				
averages for all Supply Authorities ²	25.42	90.03	2.75	1.231	1.231	1.105	8.80	31.16	313.22	1.140	..	88.25	0.265	..	7.45	1.405	..	47.26	..				
COMPANIES	40.27	158.56	3.20	2.635	2.635	2.281	12.38	49.52	27.34	213.19	1.077	11.17	40.86	1.211	14.35	2.287	23.73	45.01	1				
metvyst Power Co.	38.90	107.80	3.07	1.057	1.057	1.393	8.30	22.94	20.40	598.70	0.679	13.10	64.12	0.080	1.96	0.759	14.65	50.88	2				
ameri Electric Ltd.	22.43	108.56	2.86	1.634	1.634	2.136	7.55	36.54	24.38	205.01	1.153	17.20	70.12	0.382	8.17	8.173	22.89	54.86	3				
eastland Power Ltd.	30.50	111.19	3.35	1.342	1.342	1.088	8.19	29.87	..	297.19	0.872	..	64.69	0.243	5.40	1.115	..	52.14	..				
average for all Supply Authorities ²	101.53	305.27	7.03	..	..	0.964	9.56	28.75	..	547.40	..	..	61.39	..	4.43	..	..	27.33	..
Averages for 1957	92.18	279.75	7.00	..	..	0.976	8.64	26.29	506.75	..	..	61.42	..	..	4.57	..	..	26.45	1957
" 1958	73.92	338.95	6.41	..	..	1.124	8.40	25.80	510.55	..	..	61.64	..	..	4.61	..	..	26.63	1958
" 1959	69.43	322.33	6.31	..	..	1.120	7.91	24.78	495.80	..	..	62.72	..	..	4.75	..	..	27.39	1959
" 1960	62.04	306.27	6.20	..	..	1.107	7.39	23.13	469.75	..	..	59.97	..	..	4.30	..	..	25.52	1960
" 1961	54.74	178.41	7.47	..	..	0.894	5.41	17.00	332.16	..	..	66.59	..	..	3.96	..	..	22.25	1961
" 1962	49.40	163.60	7.35	..	..	0.869	5.22	16.51	328.28	..	..	67.52	..	..	3.87	..	..	22.65	1962
" 1963	44.07	149.86	6.78	..	..	0.850	4.70	15.18	304.58	..	..	62.76	..	..	4.06	..	..	22.68	1963
" 1964	40.44	139.57	6.53	..	..	0.830	4.40	14.76	296.59	..	..	63.29	..	..	4.89	..	..	23.39	1964
" 1965	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

¹ Returns for year ended 31 December 1957. ² Excludes sundry private plants (Table VII) who do not furnish returns. ³ Retail sales. ⁴ Revenue from total units sold (bulk plus retail). ⁵ Excludes costs of generating feed-back. ⁶ Includes costs of generating feed-back. ⁷ Supply commenced October 1957.

TABLE X—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS AND ELECTRIC MOTORS FOR THE YEAR ENDED 31 MARCH 1958

Supply Authorities	Population Included in Area of Supply	Consumers			Ranges			Water-heaters			Motors			Consumers Per Route-mile of Line	
		Per Cent	Number	Total	Number	Total Kilowatts	Ratio, Number of Domestic Consumers	Number	Total Kilowatts	Ratio, Number of Water-heaters to Total Number of Consumers	Industrial	Farm	Total		
															Domestic
EALAND ELECTRICITY DEPARTMENT	Number	615	2,386	18,554	605	3,780	617	637	674	103.24	2,516	16,490	20,656	67,661	0.18
id ..	..	16,168	2,386	18,554	7,802	53,587	7,000	7,000	9,019	37.73	4,166	16,490	20,656	66,458	3.69
id ..	..	16,783	2,388	19,171	8,407	57,367	7,637	7,637	9,693	39.84	6,682	16,490	23,172	134,119	2.30
LOWER BOARDS	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
nsuia	22,620	6,603	856	7,459	4,726	21,028	6,401	6,401	13,008	85.82	1,475	5,103	6,578	10,201	5.36
ids	324,710	94,013	13,822	107,835	63,159	512,725	70,728	70,728	56,814	65.59	49,615	1,755	51,370	322,000	55.04
ity	35,980	1,772	98	1,870	1,031	6,881	1,019	1,019	1,654	54.49	167	974	1,141	6,294	6.26
..	26,340	4,991	754	5,745	3,616	22,631	4,451	4,451	4,833	65.60	1,428	4,713	6,141	12,586	4.53
..	10,210	2,561	592	3,093	231	1,689	255	255	224	8.24	463	101	4,963	9,964	10.42
..	8,680	2,657	348	3,005	1,786	12,145	2,354	2,354	2,382	78.34	485	1,395	564	5,435	22.58
..	13,730	3,750	610	4,360	3,239	22,380	2,904	2,904	3,293	66.61	650	3,146	3,786	3,661	10.07
..	57,240	14,685	1,499	16,184	8,938	61,016	11,280	11,280	9,303	69.70	3,588	8,792	12,380	26,823	4.22
..	13,740	3,702	623	4,325	2,466	17,134	2,576	2,576	2,587	59.56	1,226	2,630	3,856	5,995	8.55
..	29,480	8,260	1,029	9,289	5,897	35,868	7,825	7,825	7,255	84.24	3,271	8,503	11,774	17,628	9.25
..	4,040	1,122	145	1,267	613	3,525	782	782	684	61.72	380	1,032	1,412	6,492	5.33
..	20,300	5,361	1,031	6,392	2,873	19,291	2,666	2,666	2,425	41.71	1,504	460	1,964	20,790	15.35
..	52,300	16,168	2,460	18,628	13,510	95,701	13,079	13,079	13,476	70.21	4,244	3,725	7,969	26,451	10.53
..	30,950	12,251	2,437	14,688	7,891	53,250	8,512	8,512	6,596	57.95	3,374	3,091	6,465	11,375	13.14
..	118,200	32,288	2,956	35,244	24,175	169,074	25,786	25,786	19,859	73.16	11,101	381	11,482	65,982	31.28
..	13,440	2,310	177	2,487	844	5,626	857	857	1,287	34.46	422	1,355	1,777	5,600	3.82
..	5,360	1,214	146	1,360	558	3,600	487	487	725	35.81	116	187	303	998	3.97
..	28,820	8,080	817	8,897	5,804	41,320	6,586	6,586	4,922	74.02	1,803	11,719	13,522	23,481	10.14
..	23,630	6,035	1,099	7,134	2,715	19,655	2,696	2,696	2,656	37.79	4,403	5,181	5,181	8,605	13.31
..	35,100	10,468	1,108	11,576	6,684	39,819	8,998	8,998	7,168	77.73	1,854	7,833	9,687	17,652	4.34
..	18,530	6,002	570	6,572	3,571	24,203	3,767	3,767	5,443	57.92	1,066	5,289	6,355	11,050	4.85
..	6,700	1,697	161	1,858	1,238	8,252	1,624	1,624	1,550	87.41	698	1,478	2,176	4,184	6.55
..	28,070	8,665	1,358	10,023	2,838	21,507	2,996	2,996	4,222	29.89	1,270	2,991	4,261	13,262	4.56
..	11,670	3,532	687	4,239	1,546	9,688	1,873	1,873	2,158	44.18	483	436	919	3,068	5.27
..	41,640	9,844	2,392	12,236	6,403	55,177	6,482	6,482	7,034	59.97	3,511	2,654	6,151	12,284	13.43
..	27,410	8,290	967	9,257	3,812	26,858	4,388	4,388	6,412	38.26	1,894	4,041	5,955	8,617	5.55
..	18,440	4,840	1,014	5,854	3,114	22,026	4,388	4,388	3,308	74.96	2,360	2,830	5,190	11,073	12.92
..	29,080	6,311	480	6,791	4,777	32,160	5,587	5,587	5,916	82.27	3,053	4,633	7,686	13,777	10.95
..	15,080	3,840	377	4,217	2,274	16,520	3,379	3,379	2,917	80.13	4,446	4,380	8,826	14,926	5.92

(For notes see page 17.)

TABLE X—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS AND ELECTRIC MOTORS FOR THE YEAR ENDED 31 MARCH 1958—continued

Supply Authorities	Population Included in Area of Supply	Ratio of Consumers to Population in Area of Supply	Consumers			Ranges			Water-heaters			Motors				Consumers Per Route-mile of Line	No.	
			Domestic	Commercial	Total	Number	Total Kilowatts	Per Cent	Ratio, Number of Ranges to Domestic Consumers	Number	kW	Per Cent	Industrial	Farm	Total			H.P.
RAJAHMUNDRAM	9,760	34.57	2,863	511	3,374	2,509	15,544	87.64	2,428	2,224	71.96	840	2,993	3,833	4,464	31		
..	29,230	34.56	9,033	1,069	10,102	7,681	52,156	85.03	8,366	8,140	82.82	907	5,942	6,849	8.27			
..	19,040	30.51	4,636	1,154	5,810	4,330	21,640	93.00	4,184	4,184	72.01	1,667	3,225	7,731	11.49			
..	3,200	22.03	581	124	705	436	3,070	75.04	469	481	66.52	128	391	1,056	8.49			
..	65,410	33.08	20,127	1,509	21,636	11,701	84,678	58.14	15,000	12,518	69.33	3,954	12,478	57,368	8.85			
..	26,100	30.26	7,135	762	7,897	5,261	29,475	73.74	5,698	5,737	72.15	2,663	4,636	21,284	10.15			
..	31,420	33.35	8,908	1,571	10,479	6,861	45,376	77.02	6,967	7,194	66.49	2,966	5,525	16,974	10.42			
..	4,740	28.25	1,158	181	1,339	756	5,618	67.96	958	786	71.55	1,015	1,877	16,974	2.38			
..	8,070	19.69	1,462	127	1,589	756	5,742	51.71	840	744	52.86	283	983	3,818	4.61			
..	20,860	38.37	6,737	1,266	8,003	4,468	29,996	66.32	4,361	4,852	54.49	2,495	3,241	12,069	9.92			
..	111,150	42.56	42,240	5,060	47,300	28,496	190,010	67.46	28,799	26,062	60.89	8,666	4,578	13,244	15.97			
..	22,530	24.70	4,865	699	5,564	3,014	21,098	61.95	3,540	3,534	63.62	1,132	3,606	12,083	7.78			
..	58,130	32.53	16,292	2,617	18,909	9,904	68,202	60.79	10,823	9,959	57.24	7,488	1,743	23,348	11.44			
Rangitikei	1,478,910	32.70	425,257	58,377	483,634	281,568	1,987,123	66.21	312,245	290,408	64.56	145,286	150,147	295,433	906,414	11.10		
CITY COUNCILS	179,910	33.76	53,742	7,000	60,742	41,179	311,936	76.62	43,065	38,290	70.90	25,696	1,818	27,514	83,141	38.62		
..	104,730	34.73	32,198	4,176	36,374	15,526	102,028	48.22	21,869	28,062	60.12	15,098	1,540	15,638	71,555	44.86		
..	22,200	39.72	6,642	2,175	8,817	2,821	19,876	42.47	3,900	2,628	44.23	4,046	..	4,046	14,036	39.92		
..	30,180	33.80	8,877	1,323	10,200	2,319	14,508	26.12	2,208	2,595	21.65	3,122	..	3,122	10,393	71.70		
..	17,100	31.02	4,201	1,103	5,304	2,038	16,334	48.51	2,752	2,358	51.89	1,418	..	1,418	7,422	36.08		
..	15,670	37.47	4,765	1,107	5,872	1,741	14,750	36.54	3,331	3,355	56.73	2,446	..	2,446	6,655	83.18		
..	35,340	32.03	10,049	1,589	11,638	7,326	52,785	72.90	8,867	8,147	76.19	2,040	4,186	6,226	16,394	25.44		
..	36,680	34.14	10,663	1,861	12,524	6,572	43,048	61.63	7,909	5,409	63.15	4,786	..	4,786	13,071	93.25		
..	23,370	30.24	5,814	1,254	7,068	3,504	25,020	60.27	3,761	6,272	53.21	2,580	..	2,580	65.60	65.60		
..	116,990	37.75	35,608	8,556	44,164	10,383	77,870	23.16	21,011	26,260	47.57	17,295	..	17,317	56,463	56.40		
Electric Supply	582,170	34.82	172,559	30,144	202,703	93,409	678,155	54.13	118,673	123,376	58.55	78,527	6,566	85,093	287,323	45.59		
WASH COUNCILS	3,160	30.09	789	162	951	369	2,122	46.77	359	304	27.23	313	..	313	2,029	61.57		
..	1,750	40.11	525	177	702	347	2,256	66.10	334	350	47.58	163	6	169	730	41.26		
..	2,710	33.21	785	115	900	511	3,723	65.10	461	545	21.22	214	2	216	507	52.25		
..	3,350	33.79	945	187	1,132	468	3,297	49.52	542	717	47.88	350	6	356	3,426	61.11		
..	2,890	31.14	670	230	900	176	1,220	26.27	228	230	25.33	159	137	296	314	10.00		
..	2,330	31.72	616	123	739	503	3,473	81.66	483	495	65.36	117	87	204	489	25.00		
..	2,350	29.53	533	161	694	116	904	21.76	183	170	26.37	142	157	299	536	11.76		
..	3,320	38.37	1,094	180	1,274	667	4,745	60.97	824	859	64.68	531	3	534	1,082	74.94		
..	7,920	31.70	2,318	193	2,511	1,613	10,989	69.59	1,925	1,620	76.66	1,722	..	1,722	5,816	93.43		
Electric Supply	30,220	33.43	8,425	1,679	10,104	4,898	33,964	58.14	4,953	4,575	49.02	2,242	2,652	4,894	16,113	13.33		

(For motor see page 17.)

TABLE X—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS AND ELECTRIC MOTORS FOR THE YEAR ENDED 31 MARCH 1958—continued

Supply Authorities	Population Included in Area of Supply	Ratio of Consumers to Population in Area of Supply	Consumers			Ranges			Water-heaters			Motors				Consumers Per Route-mile of Line	No.	
			Domestic	Commercial	Total	Number	Total Kilowatts	Per Cent	Ratio, Number of Ranges to Domestic Consumers	Number	kW	Per Cent	Industrial	Farm	Total			H.P.
WASH COUNCILS—continued	4,890	37.28	1,456	387	1,823	962	7,394	66.99	933	938	51.18	733	21	754	1,931	11		
..	2,350	34.07	649	213	862	304	2,191	46.84	304	324	35.27	321	..	321	827	47.89		
..	3,400	40.88	1,095	295	1,390	386	2,879	35.25	360	266	25.90	616	25	641	2,050	43.77		
..	7,650	33.65	1,794	178	1,962	630	4,716	35.31	457	397	23.29	366	..	366	1,888	18.96		
..	2,940	34.77	1,955	705	2,660	1,710	12,468	87.47	1,832	1,138	68.87	452	..	452	1,821	46.67		
..	2,940	39.49	864	297	1,161	545	3,918	63.08	575	436	49.53	273	15	288	1,179	24.70		
..	5,140	35.06	1,476	325	1,802	1,000	6,200	67.75	921	846	51.11	395	2	397	1,859	112.62		
..	3,960	33.54	1,003	326	1,328	903	6,215	90.03	857	583	64.53	475	..	475	1,074	41.50		
..	3,920	31.68	1,041	201	1,242	608	4,137	58.41	613	483	49.36	192	29	221	438	66.03		
..	6,090	32.38	1,567	405	1,972	1,245	8,391	79.45	1,273	909	64.55	603	..	603	1,638	40.78		
..	13,770	33.34	3,600	991	4,591	2,784	17,795	77.33	2,574	1,925	56.07	1,446	..	1,446	4,031	46.83		
TOWN BOARDS	120,120	33.88	33,170	7,530	40,700	20,745	142,997	62.54	20,891	18,130	51.33	11,825	3,142	14,967	49,778	26.28		
..	1,840	31.25	485	90	575	298	2,084	61.44	468	429	81.39	205	489	694	1,102	10.41		
..	340	48.82	109	57	166	73	427	66.97	77	62	46.39	50	23	73	140	14.43		
DUNEDIN COUNCILS	2,180	33.99	594	147	741	371	2,511	62.46	545	491	73.55	255	512	767	1,142	11.23		
..	4,150	33.42	1,367	20	1,387	1,062	6,648	77.69	1,373	1,401	98.99	92	132	224	817	16.45		
..	2,270	27.31	490	130	620	140	3,222	28.57	20	39	3.23	485	11	496	597	28.18		
..	1,230	23.98	234	61	295	85	595	36.32	134	112	45.42	138	200	338	364	7.56		
..	610	4.92	29	1	30	24	180	82.76	31	59	103.33	..	..	..	0.35	
COMPANIES	8,260	28.23	2,120	212	2,332	1,311	8,045	61.84	1,558	1,611	66.81	715	343	1,058	1,778	10.05		
..	500	25.40	109	18	127	35	245	32.11	74	111	58.27	35	38	73	220	4.31		
..	3,160	36.17	907	236	1,143	459	3,234	50.61	415	430	36.31	304	..	304	675	21.51		
..	3,930	20.66	721	91	812	160	1,074	22.19	263	306	32.39	242	245	487	2,858	5.40		
AND TOTALS	7,590	27.43	1,737	345	2,082	654	4,553	37.65	752	847	36.12	581	283	864	3,753	8.97		
AND TOTALS	2,259,200	33.26	652,220	99,143	751,363	406,465	2,880,751	62.32	462,301	444,556	61.53	243,871	177,483	421,354	1,384,307	12.86		

Total population of Dominion as at 1 April 1958 was 2,275,515. Ratio of population in area of supply of total population of Dominion, 99.28 per cent.

Note.—1 Returns for year ended 31 December 1957.

