

ANNUAL STATISTICS IN RELATION TO HYDRO-ELECTRIC DEVELOPMENT AND OPERATION

YEAR ENDING 31st MARCH, 1942.

CHIEF ELECTRICAL ENGINEER'S REPORT.

For full text of the above report, refer to Public Works Statement, 1942, Appendix D, pages 14 to 16 inclusive.

ELECTRICAL WIREMEN.

The statistics for the year ended 31st March, 1942, are set out below (the figures in parentheses are for the previous year):—

(1) Number of meetings of Wiremen's Registration Board: 22 (18).

(2) Registrations:—

Inspectors.	Wiremen.				
	Full Registration.	Limited Registration.	Provisional Licenses.	Temporary Permits.	Reregistrations and Periodical Purges.
28 (31)	109 (168)	157 (64)	14 (27)	3 (1)	6 (7)

(3) Examinations:—

	Wiremen.			Servicemen.		
	Candidates.	Passed (%).	Highest Marks.	Candidates.	Passed (%).	Highest Mark.
Written	382 (449)	32 (32)	86 (87)	83 (103)	59 (40)	95 (100)
Practical	252 (360)	56 (53)	91 (91)	66 (70)	68 (67)	95 (93)

(4) Defective work reports, 8 (36); endorsements made, 2 (4); endorsement removed, 1 (1).

(5) Breach of Act reports, 51 (91); prosecutions authorized, 36 (51).

Tables.

For reasons of economy in paper, the usual number of tables is not being published for the year ended 31st March, 1942, Tables VI, VII, VIII, XII, XV, and XVI being omitted. Tables IV and V have been incorporated in Table XI.

This edition contains—

Table I.—P.W.D. System: Capital Outlay and Results of Operation.	Table X.—Results of Generation and Distribution.
Table II.—P.W.D. System: Analysis of Capital Outlay	Table XI.—Financial Results of Operation.
Table III.—P.W.D. System: Working-costs.	Table XIII.—Averages derived from Tables IX, X, and XII
Table IX.—Populations, Consumers, Route-miles of Lines, &c.	Table XIV.—Ranges, Water-heaters, and Milking-machines

The statistics and information usually compiled under the headings "Local Electrical Supply System," "Broken Wires and Poles," "Growth of Load," "Electrical Accidents," and "Electrical Fires," have been condensed and summarized as follows:—

A. Condensed Statistics, 1941-42.

		1942.	1941.	Increase or Decrease
(a) Installed generating-capacity (main stations)	kW.	340,755	338,075	+2,680
(b) Installed generating-capacity (standby)	kW.	101,089	100,117	+972
(c) Total connected load (excluding bulk supply)	kW.	2,570,872	2,388,389	+182,483
(d) Consumers	No.	455,030	442,222	+12,808
(e) Units sold per capita	No.	975	917	+58
(f) Units sold per consumer	No.	3,089	2,981	+108
(g) Route-miles of main and distribution line	R.M.	29,037	28,180	+857
(h) Consumers per route-mile of line	No.	15.67	15.69	-0.02
(i) Sales per route-mile (retail sales)	Units	53,251	51,394	+1,857
(j) Miles of conductor in service	Miles	137,388*	140,099	-2,711
(k) Broken poles reported	No.	213	405	-192
(l) Broken wires reported	No.	2,146	1,609	+537
(m) Electrical fires reported	No.	40	19	+21
(n) Electrical accidents reported	No.	34	25	+9
(o) Electric ranges installed	No.	(13 fatal) 116,775	(10 fatal) 105,522	+11,253
(p) Electric water-heaters installed	No.	136,681	124,193	+12,488
(q) Electric milking-machines installed	No.	30,763	29,365	+1,398

* Excludes service lines.

B. Summarized Results of Operations for Year ended 31st March, 1942.

Item.		Water	Steam.	Gas.	Oil.	Total.
1. Number of main stations	No.	(a) 32*	(c) 1		(b) 7	
2. Installed capacity (main plant)	kW.	338,798	750		1,207	340
3. Number of standby plants	No.	(d) 10†	(f) 10	(g) 3	(e) 24	
4. Installed capacity (standby plant)	kW.	3,167	78,102	1,101	18,719	101
5. Units generated	No.	1,786,418,842	136,714,800	5,508,349	3,824	1,928,645
6. Units sold to consumers						1,546,264
7. Percentage of non-productive units						10
8. Number of consumers						455
9. Connected load						2,570,872
10. Total operative capital (including distribution systems and standby plant)						£43,770
11. Total capital per kilowatt installed (including distribution systems, &c.)						£9
12. Annual working-costs						£12,119
13. Annual working-cost per unit under section 6						0.8
14. Annual capital costs (interest, sinking fund, and depreciation)						£2,469
15. Annual capital cost per unit under section 6						0.8
16. Annual capital cost as a percentage of capital						5
17. Total annual costs (section 12 plus section 14)						£4,589
18. Total annual cost per unit under section 6						0.8
19. Total annual revenue (from retail sale of electricity)						£5,533
20. Average revenue per unit (from sections 19 and 6)						0.8
21. Gross revenue (excluding rates and bulk sales)						£5,715
22. Net profit (section 21 less section 17)						£1,125
23. Ratio of working-costs to gross revenue (section 12 and section 21)						37

* Hawke's Bay: 144 kW hydro set previously included, burnt out December, 1941.
 † After deducting cost of power purchased in bulk.

† South Canterbury: 32 kW hydro set previously included.

MAIN STATIONS

(a) Hydro-electric: Arapuni, Horahora, Walkaremoana, Mangahao, Lake Coleridge, Waitaki, Monowai, Arnold River, Bay of Islands, Golden Marlborough, Opunake, Otago Central, South Taranaki, Taranaki, Teviot, Waimea, Wairere, Dunedin, New Plymouth (Mangorei), Picton, Queens Raetihi, Taihape, Tauranga, Westport, Kaponga, Murchison, Kanieri, Reefton Electric Light and Power Co., Ltd., Wilsons (N.Z.) Portland Cement Co., Ltd. Total, 32.

(b) Oil: Waimea, Picton, Kalkoura, Uawa, L. Keys (Kohukohu), Reefton Electric Light and Power Co., Ltd., Rawene Motors. Total, 7.

(c) Steam: Nelson. Total, 1.

STANDBY STATIONS

(d) Hydro-electric: Banks Peninsula, Wahtarapa (Kourarau), Waitaki, New Plymouth, Ohakune, Patea, Raetihi, Taumarunui, Te Aroha. Total, 10.

(e) Oil: Penrose, Dobson, Hawke's Bay, Marlborough, Opunake, Poverty Bay, South Taranaki, Waimea, Wairere, Waitaki, Dunedin, Palmerston North, Wellington, Napier, Ohakune, Patea, Picton, Queenstown, Rangiora, Thames, Murchison, Kanieri, L. Keys (Kohukohu), Reefton Electric Light and Power Co., Ltd. Total, 24.

(f) Steam: Huntly, Christchurch Tramway Board, Auckland, Bay of Islands, Wanganui-Rangitikei, Dunedin, Invercargill, Nelson, Wellington, Wilsons (N.Z.) Portland Cement Co., Ltd. Total, 10.

(g) Gas: Palmerston North, Taihape, Westport. Total, 3.

TABLE I.—SUMMARY OF FINANCIAL AND OPERATING STATISTICS FOR NORTH ISLAND AND SOUTH ISLAND ELECTRIC-POWER SYSTEMS FOR THE YEAR ENDING 31ST MARCH, 1942 (8TH YEAR).

NOTE.—“North Island system” includes Arapuni-Horahora-Mangahao-Waikaremoana all interconnected. “South Island system” includes Lake Coleridge-Waitaki-Southland-Arnold River (Westland) all interconnected.

A. Financial.

	North Island.	South Island.	Total.		North Island	South Island	Total.
Capital outlay—							
Assets in operation ..	£ 10,851,673	£ 7,142,883	£ 17,994,556	Net profit for year ..	£ 526,174	£ 250,691	£ 776,865
Assets not in operation ..	1,843,884	430,695	2,274,479	Allocation of profits—			
Total capital outlay ..			20,269,035	Sinking Fund ..	178,020	170,513	348,533
Revenue for year ..	1,597,981	700,156	2,298,137	Income tax, &c. ..	258,783	80,178	338,961
Working-costs ..	674,164	183,390	857,554	Reserve Fund ..	89,371	..	89,371
Capital charges—				Totals ..	526,174	250,691	776,865
Interest ..	327,534	241,501	569,035	Accumulated Depreciation Reserve	1,223,424	831,583	2,055,007
Depreciation ..	70,109	24,574	94,683	Accumulated Sinking Fund Reserve	1,486,962	714,464	2,201,426
Totals ..	397,643	266,075	663,718	Arrears: Sinking Fund payments not yet appropriated	..	138,029	138,029
Total costs for year ..	1,071,807	449,465	1,521,272	Reserve Fund ..	393,329	86,766	480,095

B. Operating Results.

	1941-42 (Eighth Year)		1941-42 (Eighth Year)
Maximum load (kilowatts)—		Revenue—	
North Island system ..	252,400	Per kilowatt (system maximum)—	£
South Island system ..	90,400	North Island system ..	6 33
Average load (kilowatts)—		South Island system ..	7 74
North Island system ..	149,182	Per unit generated—	d.
South Island system ..	50,521	North Island system ..	0 293
Average load factor—	Per Cent.	South Island system ..	0 395
North Island system ..	59 10	Per unit distributed—	
South Island system ..	55 88	North Island system ..	0 320
Units output—		South Island system ..	0 454
North Island system ..	1,306,838,519	Per unit sold—	
South Island system ..	424,569,370	North Island system ..	0 324
Combined ..	1,731,407,889	South Island system ..	0 460
Units distributed—		Working costs—	
Units sold—		Per kilowatt (system maximum)—	£
North Island system ..	1,182,020,169	North Island system ..	2 67
South Island system ..	304,978,838	South Island system ..	2 02
Combined ..	1,546,999,007	Per unit generated—	d.
Units unsold (station auxiliaries, &c.)—		North Island system ..	0 1238
North Island system ..	14,017,257	South Island system ..	0 103
South Island system ..	4,870,080	Per unit distributed—	
Combined ..	18,887,337	North Island system ..	0 135
Total units distributed, North Island system	1,196,037,426	South Island system ..	0 118
Total units distributed, South Island system	369,848,918	Per unit sold—	
Combined ..	1,565,886,344	North Island system ..	0 136
Line losses—		South Island system ..	0 120
Transmission and distribution—	Units.	Capital charges—	
North Island system ..	110,801,093	Per kilowatt (system maximum)—	£
South Island system ..	54,720,452	North Island system ..	1 57
Combined ..	165,521,545	South Island system ..	2 94
	Per Cent.	Per unit generated—	d.
	8 5	North Island system ..	0 0730
	12 8	South Island system ..	0 150
	9 46	Per unit distributed—	
		North Island system ..	0 0797
		South Island system ..	0 1726
		Per unit sold—	
		North Island system ..	0 0807
		South Island system ..	0 1749
		Total costs—	
		Per kilowatt (system maximum)—	£
		North Island system ..	4 24
		South Island system ..	4 97
		Per unit generated—	d.
		North Island system ..	0 1968
		South Island system ..	0 254
		Per unit distributed—	
		North Island system ..	0 2150
		South Island system ..	0 2911
		Per unit sold—	
		North Island system ..	0 2176
		South Island system ..	0 2950

TABLE II.—ANALYSIS OF CAPITAL OUTLAY AS AT 31ST MARCH, 1942.

North Island System.		South Island System.		Comb. Total
Headworks and power-stations—		Headworks and power-stations—		
Land, fencing, and roading—		Land, fencing, and roading—		
	£		£	
Arapuni	108,396	Coleridge	25,841	
Horahora	3,208	Waitaki	48,450	
Mangahao	74,707	Southland	12,226	
Waikaremoana	17,200	Arnold River (Kaimata)	2,204	
" Lower development	25,198	Highbank	2,364	
Taupo	69,439			
Karapiro	11,504			
Headworks—		Headworks—		
Arapuni	1,231,491	Coleridge	550,679	401
Horahora	151,468	Waitaki	1,073,375	
Mangahao	943,849	Southland	86,816	
Waikaremoana	200,635	Arnold River (Kaimata)	110,087	
" Lower development	503,532	Highbank	9,881	
Karapiro	119,110	Tekapo	163,357	
Generating-station, buildings, and village—		Generating-station, buildings, and village—		5,141
Arapuni	443,460	Coleridge	102,550	
Horahora	61,131	Waitaki	467,997	
Mangahao	131,049	Southland	45,724	
Waikaremoana	269,591	Arnold River (Kaimata)	8,617	
" Lower development	70,536	Highbank	37,187	
Karapiro	138,416			
Generating plant and machinery—		Generating plant and machinery—		1,770
Arapuni	762,586	Coleridge	207,919	
Horahora	95,291	Waitaki	385,966	
Mangahao	218,830	Southland	60,851	
Waikaremoana	339,878	Arnold River (Kaimata)	26,822	
" Lower development	67,845	Highbank	45,976	
Karapiro	66,081			
Auxiliary stations (two)—Penrose and Huntly	76,695	Auxiliary station (one)—Dobson (ex Lyttelton)	135,362	2,271
Transmission and distribution—		Transmission and distribution—		211
Primary distribution—		Primary distribution—		
11 kV. lines	65,985	11 kV. lines	545,830	
33 kV. lines		33 kV. lines	59,019	
50 kV. lines	446,369	50 kV. lines		
66 kV. lines		66 kV. lines	591,281	
110 kV. lines	1,989,794	110 kV. lines	423,897	
Secondary distribution		Secondary distribution		4,441
			325,226	
Substations—		Substations—		
11 kV. substations	13,345	11 kV. substations		
33 kV. substations		33 kV. substations	35,105	
50 kV. substations	420,802	50 kV. substations		
66 kV. substations		66 kV. substations	560,248	
110 kV. substations	1,377,170	110 kV. substations	259,220	2,661
General—		General—		
General offices, garages, stores, and other accommodation	141,920	General offices, garages, stores, and other accommodation	35,743	
Telephone services	196,924	Telephone services	87,204	
Explorations and preliminary surveys; engineering, office, and general expenses; charges and expenses of raising loans	761,502	Explorations and preliminary surveys; engineering, office, and general expenses; charges and expenses of raising loans	541,021	
Interest during construction	1,080,620	Interest during construction	499,433	3,341
Grand totals	12,695,557		7,573,478	£20,261

TABLE III.—OPERATING OR WORKING COSTS FOR YEAR ENDED 31ST MARCH, 1942.

	North Island System.				South Island System.			
	Cost.	Cost per Unit.			Cost.	Cost per Unit.		
		Generated.	Distributed.	Sold.		Generated.	Distributed.	Sold.
(a) Hydro stations	£ 55,529	d. 0 0116	d.	d.	£ 33,916	d. 0 0102	d.	d.
(b) Fuel stations	5,674	2 2699			6,997	5 0407		
(c) Auxiliary stations, power purchased, and standby provision	443,982	0 6794			395	2 7834		
Generated and purchased	505,185	0 0927	0 1013	0 1026	41,308	0 0233	0 0268	0
(d) Transmission	33,590	0 0062	0 0067	0 0068	16,926	0 0096	0 0110	0
(e) Communication system	1,958	0 0004	0 0003	0 0004	1,596	0 0009	0 0010	0
(f) Substations	45,646	0 0083	0 0091	0 0092	24,856	0 0140	0 0161	0
(g) Distribution	925	0 0001	0 0002	0 0002	20,531	0 0116	0 0133	0
(h) System operations	15,633	0 0028	0 0031	0 0032	12,924	0 0073	0 0084	0
(i) Management and general expenses	71,227	0 0131	0 0143	0 0145	65,249	0 0369	0 0423	0
	674,164	0 1238	0 1352	0 1369	183,390	0 1037	0 1190	0

North Island System.		South Island System.	
Units generated—			
Hydro	1,149,416,347		
Fuel	599,920	424,202,160	
Purchased	156,822,252	333,150	
		34,060	
Units distributed			424,569,370
		1,306,838,519	
		1,106,627,468	

V Authorities.	Population included in Area of Supply.		Number of Consumers.	Source of Supply.	Year when Supply commenced.	Capacity of Generating Plant.		Static Head in Feet.	Voltage.	Transmission.	Primary Distribution.	Secondary Distribution (and System of Supply).	Distribution Transformers.		Route-miles of Lines.	Street Lighting System.	No.
	Number.	Area.				KW.	KV.A.						Number.	KVA.			
ISLANDS DEPARTMENT.																	
Island system ¹	50,530		431	I.	1921	191,000*	225,060					400/230 A.C.	72	7,127	1,741	1	
Islands	50,530		13,017			294,560	343,014						1,763	21,410	3,422	2	
Islands	50,530												1,835	28,537	5,163		
Islands	10,330		4,958	G.S.	1923							400/230 A.C.	989	12,240	1,016	1	
Islands	210,700		69,571	G.N.	1908							400/230 A.C.	1,161	85,650	1,200	2	
Islands	8,550		1,115	G.S.	1921	72*		310				400/230 A.C.	199	1,872	216	3	
Islands	32,100		2,441	I. & G.N.	1930	187†	110	123				400/230 A.C.	468	3,985	426	4	
Islands	17,370		2,420	G.N.	1928							400/230 A.C.	400	6,752	317	5	
Islands	6,080		1,940	G.N.	1921							400/230 A.C.	158	2,308	207	6	
Islands	10,450		2,249	G.N.	1925							400/230 A.C.	380	5,181	384	8	
Islands	29,030		7,008	G.N. & B.	1921							400/230 A.C.	514	12,255	925	9	
Islands	12,550		3,319	G.N.	1925							400/230 A.C.	315	3,778	363	10	
Islands	21,290		5,550	G.N.	1925							400/230 A.C.	518	10,140	789	11	
Islands	3,500		550	I. & B.	1929	200*	250	330				400/230 A.C.	179	12,425	82	12	
Islands	16,030		5,091	G.S.	1926							400/230 A.C.	330	16,308	492	13	
Islands	32,370		9,425	G.N.	1927							400/230 A.C.	220	9,020	383	14	
Islands	18,550		6,363	G.N.	1924							400/230 A.C.	257	23,220	393	15	
Islands	54,860		17,247	G.N.	1924							400/230 A.C.	508	1,608	193	16	
Islands	6,800		793	G.S.	1925							400/230 A.C.	554	13,323	697	17	
Islands	23,420		6,092	G.N.	1924							400/230 A.C.	224	4,359	294	18	
Islands	15,400		3,476	I.	1927	1,000*	1,250	100				400/230 A.C.	840	11,072	841	19	
Islands	27,280		4,687	G.N.	1936							400/230 A.C.	673	6,552	865	20	
Islands	15,400		3,902	G.S.	1928							400/230 A.C.	140	1,404	182	21	
Islands	6,090		1,374	G.N.	1923	315*†	450	47				400/230 A.C.	399	4,051	694	22	
Islands	34,500		5,219	G.S. & B.	1926							400/230 A.C.	272	7,798	294	23	
Islands	8,000		1,630	I. & B.	1923	1,000*	2,000	987				400/230 A.C.	438	12,131	441	24	
Islands	25,100		6,486	G.N.	1912							400/230 A.C.	786	7,614	912	25	
Islands	26,300		5,589	G.S.	1925							440/230 D.C.	304	7,299	350	26	
Islands	15,590		4,229	I. & G.N.	1929	556*†	695	57				400/230 A.C.	475	4,003	372	27	
Islands	14,000		3,022	G.S. & B.	1922							400/230 A.C.	300	8,501	464	28	
Islands	15,580		3,175	I. & G.N.	1927	4,800*†	5,400	300				400/230 A.C.	394	4,211	378	29	
Islands	9,240		2,200	G.N.	1925							400/230 A.C.	414	5,794	609	30	
Islands	11,000		2,539	G.N. & B.	1926							400/230 A.C.	414	5,794	609	31	

(For notes see page 7.)

Supply Authorities.	Population included in Area of Supply.	Number of Consumers.	Source of Supply.	Year when Supply commenced.	Capacity of Generating Plant.		Static Head in Feet.	Generation.	Transmission.	Voltage.		Secondary Distribution (and System of Supply).	Distribution Transformers.	Route-miles of Lines.	Street Lighting System.	No.
					Main Plant.	Standby Plant.				Primary Distribution.	Total kVA.					
Bradford street	3,000 3,200	1,240 1,250	B. G.S.	1888 1918	..	..	..	..	..	6,000	400/230 A.C. 230/110 A.C. 400/230 A.C.	196 18 8	3,740 1,005 900	128 22 10	Parallel Parallel Parallel	16 17 18
(For notes see page 7.)																
LOCAL AUTHORITIES— <i>cont.</i>																
Uthape	2,210	693	I. & B.	1913	..	..	30	400/230	..	11,000	400/230 D.C. 400/230 A.C. 400/230 A.C.	2	200	11	Parallel	19
umarunni	4,330	1,248	G.N.	1924	..	..	25	3,300 (f)	..	6,600	400/230 A.C.	34	1,310	33	Parallel	20
uranga	3,910	1,565	I. & G.N.	1915	..	..	110/80	3,300	50,000	11,000	400/230 A.C.	15	1,600	64	Parallel	21
Aroha	2,450	842	B.	1906	..	..	600	3,300 (f)	33,000	3,300	400/230 A.C.	14	1,040	19	Parallel	22
Puke	1,020	402	B.	1921	..	..	..	..	..	3,300	400/230 A.C.	4	363	12	Series and parallel	23
James	4,220	1,212	I. & B.	1914	..	..	130	3,300 (f)	..	11,000	400/230 A.C.	20	1,225	25	Parallel	24
maru	17,800	5,447	B.	1908	..	..	..	400 (f)	..	3,300	400/230 A.C.	27	4,720	72	Series	25
akoa	2,630	904	B.	1913	..	..	..	..	..	11,000	400/230 A.C.	15	1,100	10	Parallel	26
aitara	2,060	683	B.	1917	..	..	..	..	..	3,300	400/230 A.C.	9	500	10	Parallel	27
esport	4,240	1,455	I. & B.	1925	..	..	430	3,300	..	11,000	400/230 A.C.	21	577	34	Parallel	28
hakatane	2,000	742	B.	1922	..	..	..	400	22,000	6,600	400/230 A.C.	12	1,625	18	Parallel	29
hangaret	7,000	2,762	B.	1915	..	..	..	..	..	2,200	400/230 A.C.	41	3,620	45	Series and parallel	30
Totals	156,050	50,523	..	..	..	..	..	..	..	..	..	911	54,069	1,182	..	..
Town Boards.																
aponga	4,700	444	I. & B.	1916	..	..	57	3,300	..	3,300	400/230 A.C.	41	534	55	Parallel	1
angaweka	380	137	B.	1913	..	..	..	..	..	2,300	400/230 A.C.	12	141	11	Parallel	2
anunui	770	184	B.	1920	..	..	..	..	..	3,300	400/230 A.C.	3	95	5	Parallel	3
Totals	2,850	705	..	..	..	..	..	..	..	..	..	56	710	71	..	..
County Councils.																
athote	3,400	1,071	G.S.	1914	..	..	..	..	..	11,000	400/230 A.C.	11	1,225	21	Series and parallel	1
ilkoura	700	261	I.	1922	..	..	..	..	..	3,300	400/230 A.C.	7	135	8	Series	2
irehison	800	191	I.	1922	..	..	105	3,300 (f)	..	3,300	400/230 A.C.	12	142	10	Parallel	3
awa	500	110	I.	1925	..	..	..	..	..	6,600	230 D.C.	..	4,760	4	Parallel	4
atamairi	14,700	4,437	G.S. & B.	1917	..	..	..	..	..	3,300	400/230 A.C.	83	4,760	151	Series and parallel	5
Totals	20,100	6,070	..	..	..	..	..	..	..	..	..	113	6,292	200	..	..
Totals, other Local Authorities	544,090	184,265	..	..	..	..	..	..	..	..	..	2,624	240,003	3,030	..	..
COMPANIES.																
Muri Electric, Ltd.	2,830	922	I. & G.S.	1921	..	..	250/100	2,400	..	11,000	400/230 A.C.	6	1,680	30	Series	1
Kere, Teanauhi	400	67	I.	1933	..	..	30	400	..	..	400/230 A.C.	..	..	2	Parallel	2
Aften Electric Light and Power Co., Ltd.	1,500	386	I.	1887	..	..	..	250	..	..	230 D.C.	..	..	7	Parallel	3
Teone Motors, Ltd.	300	55	I.	1936	..	..	..	230	..	2,200	230 D.C.	..	..	1	Parallel	4
sons (N.Z.) Portland Cement, Ltd.	500	206	I. & B.	1910	..	..	..	5,500	22,000	2,200	400/230 A.C.	34	907	46	..	5
Island Power, Ltd.	4,000	397	I. & B.	1928	..	..	200/150	6,000	..	6,000	400/230 A.C.	48	1,630	74	Parallel	6
Totals	9,530	2,053	..	..	..	..	..	..	..	..	..	88	4,117	160	..	..
Grand totals	1,655,460	455,030	..	..	..	..	..	..	..	..	..	21,400	694,124	20,037	..	..

TABLE IX.—STATISTICS OF POPULATION, CONSUMERS, GENERATING-PLANTS, SYSTEM VOLTAGE, ROUTE-MILES OF LINES, &C., FOR THE YEAR ENDED 31ST MARCH, 1942—continued.

1 Includes Ararua, Horanora, Walkaremoana, and Mangahoe power-stations interconnected.
 2 Includes Lake Coleridge, Waitaki, Monowai, and Arnold River power-stations interconnected.
 3 Christchurch Tramway Board's standby steam station available for general supply when required.
 4 Operation of plant available for generation for Public Works Department when required by agreement.
 5 Licenses delegated to Westland Power, Ltd.
 6 G.S. = Government supply; North Island system; I = Independent supply; South Island system; B = Bulk supply from another authority.
 7 Government supply.
 8 Government supply.
 9 Government supply.
 10 Government supply.
 11 No return received.
 12 Hydro set (344 kW) burnt out December, 1941.
 13 The type of prime mover: * water, † steam, ‡ oil, § gas.
 14 Steam generating-plant capacity.
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 100 Steam generating-plant capacity.

Total Population of Dominion as at 31st March, 1942 was—1,634,338.
 Ratio of Total Population in Areas of Supply to total Population of Dominion = 97.01 per cent.

TABLE X.—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION FOR THE YEAR ENDED 31ST MARCH, 1942.

Supply Authorities.	Connected Load.		Maxi- mum Load on System.	Demand Factor	Annual Load Factor.	Generated.				Purchased.		Total generated and purchased.		Sold.		Non- productive. %	Percentage Productive	Units sold (Average).			Consumers Per Route-mile of Line.	Ratio of Consumers to Population in Area of Supply.	Average Maximum Demand per Retail Consumer.						
	Includ- ing Bulk Supply.	Exclud- ing Bulk Supply.				Water.	Steam.	Oil.	Gas.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.			kWh.	kWh.	kWh.				kWh.	kWh.	kWh.	kWh.	kWh.	kWh.
WORKS DEPARTMENT.	1,711,578	30,822,282	4,001,174	10.1	1,449,416,347	371,120	371,120	229,800	229,800	156,822,352	1,306,838,619	1,463,660,971	1,144,341,925	42,814,775	110,681,019	9.15	19.37	841,327	203	681,883	4.87	28.02	0.629						
North Island system.	764,219	90,029	90,440	11.83	53,000	371,120	371,120	229,800	229,800	34,000	424,649,010	238,730,034	65,868,214	60,351,662	14.25	11.78	1,281,555	127	332,618	53.25	32.92	0.550							
South Island system.	2,475,797	120,901	1,579,690,047	..	..	..	..	..	..	17,895,973	1,731,488,529	1,443,071,959	108,182,989	180,235,581	10.41	11.37	778,557	105	300,456	7.63	13.93	0.828	
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
POWER BOARDS.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Aburton	20,093	..	3,210	12.35	71,500	..	..	..	..	30,170,000	30,170,000	16,231,254	16,231,254	3,908,706	19.37	19.37	841,327	40	16,005	4.87	28.02	0.629			
Auckland	456,571	..	72,292	15.83	50,566	..	..	..	..	305,039,000	377,101,500	269,882,856	269,882,856	36,050,074	11.78	11.78	1,281,555	127	332,618	53.25	32.92	0.550			
Bay of Islands	7,663	..	725	9.43	58,068	..	..	..	..	3,749,400	3,749,400	2,083,014	2,083,014	762,011	20.34	20.34	840,267	30	13,817	5.16	7.31	0.650			
Bay of Plenty	11,874	..	1,320	11.23	57,777	..	..	..	..	5,997,874	6,680,329	3,899,604	3,899,604	781,322	11.69	11.69	1,832,417	34	13,848	5.73	7.31	0.650			
Buller	17,313	..	2,814	16.25	72,559	..	..	..	..	17,895,973	17,895,973	13,520,386	13,520,386	1,698,603	11.16	11.16	778,557	74	51,094	7.63	13.93	0.828			
Cambridge	6,231	..	1,500	24.07	73,223	..	..	..	..	9,632,740	9,632,740	7,009,110	7,009,110	1,858,320	19.37	19.37	1,261,622	66	37,054	9.37	32.17	0.770			
Central Hawke's Bay	13,235	..	1,740	13.19	64,228	..	..	..	..	9,831,850	9,831,850	8,610,899	8,610,899	1,220,951	12.42	12.42	824,828	43	22,434	5.85	11.52	0.776			
Central Waikato	44,359	..	6,102	13.75	77,098	..	..	..	..	41,986,594	41,986,594	36,310,893	36,310,893	5,342,784	12.81	12.81	1,551,477	65	39,311	8.33	26.52	0.812			
Manakiri	14,039	..	1,572	10.79	60,100	..	..	..	..	5,539,090	5,539,090	4,689,977	4,689,977	865,013	9.68	9.68	692,218	35	23,922	9.14	26.52	0.812			
Manakiri	27,164	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..	..	33,118,650	33,118,650	27,738,428	27,738,428	5,272,818	15.97	15.97	1,297,490	70	35,335	7.65	26.52	0.812			
Olden Bay	27,054	..	5,376	19.79	70,323	..	..	..																		

TABLE X.—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION FOR THE YEAR ENDED 31ST MARCH, 1942—continued.

Supply Authorities.	Connected Load.		Maxim. Load on System.	Demand Factor.	Annual Factor.	Generated.				Purchased.		Total generated and purchased.		Sold.		Non-productive.	Percentage Non-Productive.	Units sold (Average).				Consumers per Route-mile of Line.	Ratio of Consumers to Population in Area of Supply.	Average Demand per Retail Consumer.	No.							
	Including Bulk Supply.	Excluding Bulk Supply.				Water.	Steam.	Oil.	Gas.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.			kWh.	kWh.	kWh.	kWh.					kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.
	kW.	kW.				kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.			kWh.	kWh.	kWh.	kWh.					kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.
PER LOCAL AUTHORITIES.																																
City Councils.																																
Arischchurch	256,918	233,339	33,110,127	38.43	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dunedin	141,038	130,029	26,559,137	79.47	88	94,560,523	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lyttelton	..	15,338	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nelson	..	13,338	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston North	..	41,006	5,472,113	34.59	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wellington	..	218,171	35,312,116	16.05	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	397,956	661,962	..	..	..	94,560,523	64,374,870	588,083	..	324,140,115	483,660,291	77,581,938	350,707,959	49,370,304	10.20	119	275,330	80.47	34.70	..	..	..	..	..			
Borough Councils.																																
Bluff	..	2,842	332,111	68.28	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hamilton	..	24,077	3,210,212	70.48	23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Inglewood	..	2,070	230,111	50.47	04	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaipoi	..	1,733	210,112	30.46	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lyttelton	..	5,314	520,978	78.43	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Napier	..	15,842	2,008,148	63.62	47	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Plymouth	..	37,581	9,111,118	38.84	40	15,647,000	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ohakune	..	1,467	193,113	15.48	75	566,340	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Patea	..	2,815	339,119	15.48	33	222,977	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pictou	..	905	110,111	10.27	07	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown	..	627	82,113	10.34	31	233,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Racine	..	3,434	427,110	10.27	07	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangiora	..	3,751	535,110	8.05	56	1,117,380	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Riccarton	..	14,394	1,421,110	9.87	92	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ross								
Rotorua (Tourist Dept.)	..	15,469	1,932,112	70.52	00	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stratford	..	4,776	615,110	15.25	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Summer	..	4,300	618,111	7.60	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taihape	..	4,300	618,111	7.60	89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taurarua	..	4,361	653,115	21.15	15	776,046	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tauranga	..	4,186	653,115	21.15	15	3,467,970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tauranga	..	27,858	3,081,110	63.82	01	18,878,780	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Aroha	..	1,350	163,114	63.82	01	40,404	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Puke	..	2,187	273,115	73.04	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thames	..	2,685	322,115	83.05	00	49,319	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timaru	..	29,685	3,721,115	30.38	48	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wairoa	..	4,227	504,117	20.40	06	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waikato	..	3,805	468,117	19.30	72	709,055	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Westport	..	6,166	866,110	30.43	08	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatane	..	15,380	1,440,110	9.39	49	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whangarei								
Totals	36,120	237,984	..	..	..	41,683,541	347,653	..	..	3,824,134,784,089	170,760,087	29,323,733	127,230,627	30,214,737	11.43	146	183,448	42.74	32.37	..	..	..	..	..			
Town Boards.																																
Kaponga	..	1,776	369,202	21.48	37	524,400	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manawaka	..	461	681,479	52.79	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manunu	..	175	301,714	24.73	09	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	..	2,412	..	..	..	554,400	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

(For notes see page 10.)

TABLE X.—RESULTS OF GENERATION, DISTRIBUTION, AND CONSUMPTION FOR THE YEAR ENDED 31ST MARCH, 1942—continued.

Supply Authorities.	Connected Load.		Annual Load Factor.	Generated.				Total generated and purchased.		Sold.		Non-productive.	Percentage of Total Production.	Units sold (Average).			Consumers per Route-mile of Line.	Ratio of Consumers to Population in Area of Supply.	Average Maximum Demand per Retail Consumer.
	Including Bulk Supply.	Excluding Bulk Supply.		Water.	Steam.	Oil.	Gas.	In Bulk for Resale.	Per Head of Population (excluding Bulk and Tractor Supplies).	Per 100 of Distribution.	Per Route-mile of Line.								
	kW.	kW.	%	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	%	kWh.	kWh.	kWh.	Per 100 of Distribution.	Per Route-mile of Line.	Per Head of Population (excluding Bulk and Tractor Supplies).	
BER LOCAL AUTHORITIES—old																			
Hendee	7,982	687	12.37	44,448	140,080	3,846,003	3,846,003	3,450,000	390,003	10.15	1,016,827	164,571	51.00	31.80	0.921				
Kaitiaki	230	60	25.10	20.05	48,700	1,40,080	1,40,080	1,024,771	37,309	26.03	1,47,304	32	31.63	37.28	0.220				
Murchison	549	84	15.30	43.58	18,700	318,524	318,524	286,340	32,184	10.10	358,140	42	23.87	0.430					
Uawa	84	26	30.05	13.68	31,175	11,878	11,878	19,237	11,878	38.10	39	27	22.54	0.236					
Waikairi	28,753	2,680	8.07	64.75	189,965	12,375,119	12,375,119	11,129,794	1,245,325	10.00	752,308	125	29.38	0.336					
Totals	37,607	290,824	189,965	16,711,501	16,711,501	14,904,202	1,707,299	10.23	745,247	128	30.35	30.19	0.381				
Totals, other Local Authorities	434,076	930,665	137,018,348	64,374,570	476,522,115	500,740,450	71,376,427	10.51	920,322	125	33.86				
COMPANIES.																			
Kanieri Electric, Ltd.	3,721	1,188	31.93	50.16	..	18,533	5,290,300	4,423,118	797,184	15.57	365,121	202	30.73	0.542					
L. Keys, Kohukohu, and Reefton Electric Light and Power Co., Ltd.	567	131	23.10	19.14	19,690	..	18,533	14,857	3,706	19.06	37,921	16	33.50	0.195					
Ravene Motors, Ltd.	119	18	15.12	15.37	24,780	659,252	24,780	102,520	57,170	20.02	108,421	43	25.73	0.338					
Wilson's (N.Z.) Portland Cement, Ltd.	6,006	3,200	14.46	64.08	443,500	..	443,500	22,531	2,249	9.07	75,395	112	57.00	0.310					
Westland Power, Ltd.	1,891	324	13.75	70.84	1,400,007	213,002	1,613,009	7,451,165	1,673,738	18.34	1,251,479	479	41.20	..					
Totals	13,316	20,941	..	..	63,003	1,001,364	22,500,764	13,418,321	2,803,494	12.45	1,408,125	227	12.70	..			
Grand totals	3,492,803	2,570,872	..	..	1,786,418,842	1,367,744,800	5,038,340	3,824	1,710,988,980	10.63	975,080	116	15.67	..			

TABLE A.—SUMMARY OF TOTALS RELEVANT TO TABLE X.

Supply Authority.	Population included in Area of Supply.	Number of Consumers.	Capital invested in Transmission and Distribution System.
Public Works Department	50,530	13,017	£(N.Z.) 9,385,976
Electric-power Boards	881,310	255,715	13,701,082
Other Local Authorities—			
City Councils	365,000	126,907	3,642,183
Borough Councils	156,050	50,523	1,071,540
Town Boards	2,860	765	24,050
County Councils	20,100	6,070	116,920
Totals, other Local Authorities	544,000	184,265	4,854,708
Companies	21,448,410	2,033	86,878
Totals for all Supply Authorities	1,665,400	456,030	28,028,344

NOTES TO TABLE X.

Units sold per head of population ... 975
 Units sold per head of population ... 3,398

Based on Total Units sold to Ultimate Consumers (1,549,204,846).
 Based on Total Units sold to Ultimate Consumers less Units supplied for Large Industrial and Tractor Loads (1,405,007,728).
 887
 3,089

Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 16 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 17 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 18 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 19 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 20 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 21 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 22 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 23 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 24 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 25 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 26 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 27 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 28 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 29 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 30 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 31 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 32 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 33 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 34 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 35 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 36 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 37 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 38 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 39 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 40 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 41 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 42 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 43 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 44 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 45 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 46 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 47 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 48 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 49 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 50 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 51 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 52 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 53 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 54 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 55 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 56 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 57 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 58 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 59 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 60 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 61 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 62 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 63 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 64 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 65 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 66 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 67 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 68 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 69 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 70 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 71 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 72 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 73 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 74 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 75 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 76 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 77 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 78 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 79 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 80 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 81 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 82 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 83 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 84 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 85 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 86 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 87 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 88 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 89 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 90 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 91 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 92 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 93 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 94 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 95 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 96 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 97 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 98 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 99 interconnected. Includes Lake Coleridge, Waitaki, Manapouri, Mangahau, and stations enumerated under item 100 interconnected.

TABLE XI.—CAPITAL OUTLAY, FINANCIAL RESULTS OF GENERATION, DISTRIBUTION AND OPERATION FOR THE YEAR ENDED 31ST MARCH, 1942.

Supply Authorities.	Capital on Outlay on Electric Supply System.			Loan Liability.		Revenue.			Working-expenses.			Capital Charges.				Net Results.		No. of Depreciated Assets.		
	£	From Sale of Electrical Energy.		£	£	£	£	£	£	£	£	£	£	£	£	£	£			
		£	£																£	£
PUBLIC WORKS DEPARTMENT.	12,760,800	10,131,150	66,480	1,517,683	456,441	380	13,627	9,757	1,507,990	372,777	372,947	187,395	120,509	674,264	327,534	108,048	100,000	1,240,855	357,144	1
1. North Island system?	7,681,238	6,282,858	230,292	456,441	380	380	9,757	41,138	696,579	170,170	170,170	89,583	49,355	180,246	241,500	100,000	34,000	616,833	80,046	1
2. South Island system?	20,442,128	16,414,117	206,781	1,974,024	380	380	23,684	173,719	2,294,878	372,947	372,947	187,395	120,509	854,510	569,034	329,345	104,799	1,857,038	437,100	1
Totals	403,500	387,525	2,046,200	100,951	771	771	1,661	44,801	72,002	372,777	372,947	187,395	120,509	37,298	10,768	75,254	28,511	28,010	6,784	1
POWER BOARDS.	4,036,573	3,861,109	101,072	210,056	184,700	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
1. Auckland	111,742	108,000	10,072	30,672	28,514	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
2. Banks Peninsula	178,137	174,000	4,137	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
3. Bay of Islands	218,708	214,000	4,708	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
4. Bay of Plenty	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
5. Bay of Plenty	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
6. Buller's	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
7. Cambridge	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
8. Central Hawke's Bay	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
9. Central Waikato	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
10. Dunedin	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
11. Dunedin	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
12. Dunedin	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
13. Golden Bay	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
14. Grey	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
15. Hawke's Bay	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
16. Hervey Bay	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
17. Hutt Valley	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
18. King Country	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
19. Manawatu	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
20. Manawatu-Oroua	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
21. Marlborough	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
22. North Canterbury	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
23. Otago	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
24. Otago	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
25. Otago Central	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
26. Poverty Bay	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
27. South Canterbury	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
28. South Canterbury	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
29. South Taranaki	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
30. Springs-Ellersmere	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
31. Taranaki	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
32. Taranaki	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
33. Tairānaki	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
34. Te Awamutu	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
35. Te Awamutu	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
36. Thames Valley	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
37. Waikato	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
38. Waikato	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234	364,551	2
39. Waikato	118,331	114,000	4,331	11,000	10,000	118,331	164,324	465,723	110,082	338,584	417,430	306,418	229,086	545,289	279,305	423,305	75,081	571,234		

TABLE XI.—CAPITAL OUTLAY, FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31ST MARCH, 1942—continued.

Supply Authorities.	Capital Outlay on supply System.		Loan Liability.		Revenue.		Working-expenses.			Capital Charges.			Total.		Net Results.		Amount collected by Rates to make up Deficiencies.	
	Capital Outlay on supply System.		Loan Liability.		Revenue.		Working-expenses.			Capital Charges.			Total.		Net Results.			
	From Sale of Electrical Energy.	Other Sources (excluding Rates).	From Sale of Electrical Energy.	Other Sources (excluding Rates).	From Sale of Electrical Energy.	Other Sources (excluding Rates).	Cost of Power.	Management and Distribution.	Interest.	Sinking Fund.	Depreciation.	Other Capital Charges.	Total.	Profit.	Loss.			
OTHER LOCAL AUTHORITIES.																		
Borough Councils																		
1. Bluff	6,972	5,060	169	163	6,547	3,723	561	800	235	44	69	754	620	5,918	10,237	448	1	
2. Hamilton	58,237	22,000	163	163	58,400	22,533	9,783	2,767	988	3,902	131	4,080	945	39,163	10,237	448	2	
3. Invercargill	4,301	9,842	4,301	4,301	4,301	1,926	1,379	731	421	50	131	4,080	945	3,882	374	..	3	
4. Kaipoi	4,136	6,115	4,136	4,136	4,136	2,078	890	403	263	..	172	522	7,401	2,756	..	4		
5. Lyttelton	3,781	3,781	..	..	3,781	4,253	6,903	3,897	1,682	1,509	1,758	10,646	4,915	5,731	..	5
6. Napier	134,082	134,082	63,853	230	101,229	22,434	6,903	3,897	5,606	1,509	1,758	10,646	4,915	5,731	..	6		
7. New Plymouth	382,740	224,003	97,471	1,500	285,269	27,380	21,712	5,302	10,440	1,433	11,380	23,256	103,076	18,143	..	7		
8. Ohakune	9,072	9,072	..	..	9,072	301	622	632	435	51	287	1,106	1,325	3,702	..	8
9. Patea	23,060	15,707	7,318	..	20,748	961	600	916	654	304	305	1,509	1,325	3,702	..	9		
10. Picton	17,170	12,572	4,628	..	12,572	539	308	455	375	100	100	4,705	6,214	4,705	..	10		
11. Queensdown	15,084	2,340	388	..	15,472	300	448	198	431	142	780	860	1,894	860	..	11		
12. Kaerahi	25,337	10,327	103	30	25,630	300	928	954	287	628	780	860	1,894	860	..	12		
13. Rangiora	3,529	3,529	192	91	3,721	3,110	1,974	1,302	153	145	780	860	1,894	860	..	13		
14. Riccarton	41,924	9,681	239	..	51,605	10,915	2,420	1,025	481	111	78	15,400	3,500	15,400	..	14		
15. Ross	137,276	127,276	..	..	137,276	15,625	9,119	2,408	6,096	2,415	..	10,866	38,018	38,018	..	15
16. Rotoura (Tourist Department)	39,557	39,557	..	..	39,557	8,237	1,658	1,043	1,972	1,364	602	3,638	10,866	10,866	..	16
17. Stratford	17,982	6,103	8,881	..	24,083	5,246	1,329	802	7,377	430	..	880	2,035	2,035	..	17		
18. Sumner	10,784	13,519	7,887	..	18,671	1,173	1,350	742	2,572	50	..	880	2,035	2,035	..	18		
19. Taihape	80,116	50,808	14,872	..	95,000	2,074	6,621	1,547	3,652	127	1,299	2,058	6,443	6,443	..	19		
20. Taumarunui	180,167	116,231	18,244	332	198,441	3,083	2,165	1,170	2,180	1,425	1,604	2,269	7,192	7,192	..	20		
21. Te Aroha	21,672	6,071	9,514	138	31,794	5,539	1,826	625	3,705	1,000	149	6,628	25,343	25,343	..	21		
22. Te Puke	14,825	15,061	4,473	..	19,298	1,941	550	347	1,384	78	..	411	1,109	1,109	..	22		
23. Thames	27,825	15,061	14,464	10	42,330	6,012	1,742	849	506	279	249	792	1,109	1,109	..	23		
24. Timaru	134,580	12,883	54,976	404	189,560	16,703	7,743	5,058	10,000	107	301	10,311	5,492	5,492	..	24		
25. Wairoa	14,754	3,800	14,800	..	18,600	24,010	6,743	1,108	3,362	156	100	5,372	41,192	41,192	..	25		
26. Waikanae	11,555	9,300	6,300	284	17,939	7,204	1,361	1,108	547	444	..	1,147	10,820	10,820	..	26		
27. Westport	36,619	22,408	11,251	..	47,870	4,306	1,240	1,491	1,392	464	177	3,127	5,308	5,308	..	27		
28. Westport	40,107	32,775	10,398	..	72,902	2,723	1,100	1,093	1,416	1,079	..	2,876	7,702	7,702	..	28		
29. Whakatane	105,036	26,545	1,016	2,942	133,539	10,727	4,078	3,750	1,521	2,405	481	4,106	22,631	22,631	..	29		
Totals	4,651,992	1,016,535	540,122	42,370	6,270,019	233,443	88,528	44,705	382,340	10,425	19,770	100,296	482,636	115,220	1,897	..	30	
Town Boards.																		
1. Kaponga	18,023	14,835	7,486	5	25,514	2,820	536	867	560	627	195	4,808	7,397	7,397	1
2. Mangaweka	5,014	2,150	1,400	..	6,564	565	540	287	91	22	..	458	1,830	1,830	2
3. Manuahi	2,750	3,800	1,130	..	5,680	350	29	550	149	200	..	443	1,072	1,072	3
Totals	25,787	20,785	10,045	5	56,724	3,741	1,105	1,384	800	1,172	105	2,700	10,299	380	3
County Councils.																		
1. Heathcote	17,304	15,667	11,571	..	29,238	8,173	2,052	653	505	1,922	..	3,066	13,944	13,944	1
2. Kaitiaki	9,213	10,410	2,849	196	13,668	..	317	209	148	148	..	1,138	3,817	3,817	2
3. Marlborough	13,153	10,657	2,507	..	25,710	..	545	287	458	318	..	350	2,983	2,983	3
4. Uawa	1,800	..	1,132	..	2,932	..	1,038	..	464	1,141	1,070	1,070	4
5. Waimea	88,895	20,700	35,317	40	144,952	20,495	2,546	3,271	952	3,740	..	6,396	32,768	32,768	5
Totals	130,366	57,440	54,068	46	249,320	28,668	5,820	4,551	2,469	6,128	801	11,741	53,831	3,637	3,088	5
Totals, other Local Authorities	7,069,915	3,197,196	1,849,490	211,500	11,327,101	740,592	306,228	142,705	1,415,450	60,088	37,781	329,542	1,744,992	378,109	4,085	6
COMPANIES.																		
1. Kanuni Electric Ltd.	77,392	60,000	13,745	..	137,392	630	1,011	3,186	2,544	1,317	..	3,801	14,763	14,763	1
2. L. Keys, Kaitiaki and Power Co. Ltd.	5,175	5,157	753	..	10,085	..	100	57	..	222	..	222	3,096	3,096	2
3. Reefton Electric Light and Power Co. Ltd.	7,967	6,000	4,063	..	18,030	..	518	1,404	..	90	..	2,316	964	964	3
4. Raysons Motors Ltd.	919	400	697	..	1,616	..	1,746	362	31	2,316	13,583	13,583	4
5. Wilson's (N.Z.) Portland Cement Ltd.	77,267	81,900	8,926	10,732	178,925	..	7,617	757	3,909	10,261	10,261	5
6. Westland Power, Ltd.	82,506	58,148	7,071	..	147,725	635	592	2,860	2,559	1,350	..	3,909	10,261	10,261	6
Totals	251,226	211,605	36,255	10,732	519,815	2,777	4,567	7,994	5,134	5,295	..	10,459	43,344	43,344	6

TABLE XIII.—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31ST MARCH, 1942.

Supply Authorities.	Capital Outlay.				Revenue from Sale of Electricity.						Working-costs.				Capital Charges.				Total Costs.			
	Per Head of Population.	Per Consumer.	£(N.Z.)	Per £1 of Revenue.	Per Unit sold (Including Bulk Supply).	Per Unit sold (Excluding Bulk Supply).	Per Unit sold (Domestic Supply).	Per Head of Population.	Per Retail Consumer.	£(N.Z.)	Per Unit sold.	Per kW. of Maximum Demand.	Per Cent. of Total Revenue.	Per kW. of Maximum Demand.	Per Cent. of Capital Outlay.	Per Unit sold.	Per kW. of Maximum Demand.	Per Cent. of Distribution Capital.	Per kW. of Maximum Demand.	Per Unit sold.	Per Cent. of Distribution Capital.	
																						d.
PUBLIC WORKS DEPARTMENT.																						
1. North Island system.	20.87	51.38	5.72	0.320	0.373	0.984	3.76	14.22	21.93	60.41	0.550	51.07	0.429	8.99	7.16	0.976	16.40	20.57	0.239	16.40	1.0	
2. South Island system.	31.47	58.02	3.80	0.453	0.788	0.406	4.42	11.96	14.99	817.65	0.939	65.26	0.207	4.08	7.32	0.716	37.08	4.08	4.88	21.04	2	
Totals	12.37	90.40	3.02	0.826	0.942	0.949	3.28	22.57	19.82	175.95	0.568	57.74	0.344	28.24	6.06	1.483	18.33	25.42	0.406	17.44	2	
	19.02	60.99	4.06	0.596	0.919	0.844	4.79	14.90	19.40	140.62	0.514	57.38	0.292	5.63	7.14	0.774	22.18	17.24	0.287	10.70	..	
	18.12	88.85	5.72	0.973	0.975	0.896	3.36	15.52	20.00	91.00	0.585	50.83	0.374	6.63	7.07	0.960	17.48	19.73	0.287	10.70	..	
	19.01	71.07	5.01	0.727	0.797	0.723	3.84	14.29	18.05	110.13	0.463	62.80	0.257	7.09	7.28	0.721	17.48	19.73	0.287	10.70	..	
	19.77	74.77	5.88	1.165	1.165	1.165	3.41	12.71	26.83	110.13	0.600	60.79	0.499	11.49	7.07	0.939	16.04	25.32	0.287	10.70	..	
	18.53	71.31	4.55	0.750	0.751	0.751	4.13	15.63	16.19	110.44	0.508	60.19	0.228	4.93	6.69	0.737	16.41	23.40	0.287	10.70	..	
	9.70	61.78	4.69	1.153	1.153	1.153	3.19	13.18	17.40	88.43	0.649	64.22	0.318	5.41	5.80	0.967	16.41	23.40	0.287	10.70	..	
	12.74	45.11	3.18	0.856	0.856	0.856	4.05	8.67	17.40	245.97	0.548	48.22	0.217	4.40	7.36	0.765	15.63	25.32	0.287	10.70	..	
	14.84	57.85	3.97	0.706	0.830	0.830	3.01	11.90	15.53	278.70	0.467	48.58	0.230	5.65	8.19	0.698	15.34	25.32	0.287	10.70	..	
	13.05	43.80	3.75	0.866	0.866	0.866	4.01	11.60	16.00	104.08	0.640	12.76	0.197	5.70	6.70	0.837	16.04	25.71	0.287	10.70	..	
	24.54	24.54	2.36	0.681	0.681	0.681	3.29	10.38	11.88	588.63	0.510	78.45	0.092	1.41	5.76	0.612	16.04	25.71	0.287	10.70	..	
	11.05	94.68	7.71	1.768	1.768	1.768	1.49	12.27	27.50	50.65	1.250	69.10	0.784	12.22	5.74	2.044	31.80	9.33	0.287	10.70	..	
	23.53	104.87	3.73	0.647	0.912	2.420	4.37	13.88	14.22	212.02	0.425	64.78	0.171	3.76	7.09	0.591	17.48	19.73	0.287	10.70	..	
	23.07	104.87	7.74	1.583	1.583	1.583	3.09	11.68	26.14	100.06	0.647	40.35	0.756	12.40	6.17	1.404	23.18	23.18	0.287	10.70	..	
	12.71	73.68	4.35	0.844	0.957	1.777	2.98	16.67	21.61	94.72	0.510	52.81	0.314	7.51	8.06	0.850	19.47	23.18	0.287	10.70	..	
	18.48	72.95	5.41	1.330	1.327	1.533	3.19	12.15	20.68	60.81	0.670	57.56	0.414	6.71	6.71	1.003	19.47	23.18	0.287	10.70	..	
	19.96	88.47	4.97	0.973	1.242	1.242	3.51	15.38	24.83	134.05	0.542	55.17	0.323	8.24	6.67	0.865	22.07	25.52	0.287	10.70	..	
	10.36	68.08	0.31	1.906	1.980	3.621	1.64	10.86	28.20	81.72	0.960	13.83	0.846	11.06	6.71	1.807	25.52	25.52	0.287	10.70	..	
	21.93	115.73	5.53	0.700	0.780	0.812	3.99	10.99	17.47	116.31	0.830	4.10	23.81	5.77	5.97	0.561	17.47	25.52	0.287	10.70	..	
	15.46	59.82	4.61	0.999	0.994	0.870	3.37	12.88	21.08	191.10	0.637	13.44	0.347	7.32	7.54	0.984	17.47	25.52	0.287	10.70	..	
	14.74	69.42	4.84	0.750	1.059	1.092	2.22	10.03	14.57	87.80	0.599	68.48	0.238	4.64	6.57	0.767	14.02	20.70	0.287	10.70	..	
	16.00	58.96	3.70	0.883	0.910	0.862	4.15	15.16	18.30	191.00	0.592	57.51	0.238	4.00	7.18	0.705	16.85	16.85	0.287	10.70	..	
	13.14	60.89	3.70	0.840	0.840	1.166	3.91	17.05	16.01	145.88	0.592	68.84	0.215	4.11	7.57	0.709	19.34	23.18	0.287	10.70	..	
	20.60	86.01	5.59	0.774	1.071	1.071	3.51	17.01	23.34	149.84	0.597	43.07	0.344	9.72	7.87	0.681	20.35	23.18	0.287	10.70	..	
	18.34	79.47	4.54	0.820	0.820	0.740	4.03	16.42	23.34	65.61	0.590	52.86	0.443	6.98	6.98	0.924	18.18	22.45	0.287	10.70	..	
	20.02	91.10	5.16	0.834	0.834	0.834	4.50	18.77	20.54	78.90	0.510	59.68	0.240	5.02	5.30	0.795	16.85	17.50	0.287	10.70	..	
	40.43	121.54	8.60	0.584	0.640	0.610	3.90	17.65	28.81	138.37	0.408	59.15	0.228	6.82	6.82	0.705	16.85	17.50	0.287	10.70	..	
	21.30	84.52	5.04	0.280	0.440	0.571	4.30	12.32	8.81	98.40	0.698	33.63	0.158	4.85	4.85	0.556	15.19	15.19	0.287	10.70	..	
	15.63	62.00	4.18	2.752	2.754	2.981	2.50	15.68	17.80	168.61	0.408	45.08	0.316	7.03	7.78	0.748	19.34	23.18	0.287	10.70	..	
	22.61	142.06	9.59	0.864	0.864	0.864	3.49	12.81	20.63	134.11	0.239	45.08	0.357	8.71	8.83	0.503	21.78	23.18	0.287	10.70	..	
	9.26	133.91	3.57	0.864	0.864	0.864	5.49	14.80	16.13	47.14	0.239	13.07	0.357	10.09	10.09	0.696	13.75	13.75	0.287	10.70	..	
	12.56	44.87	4.91	0.830	0.830	0.830	3.75	20.28	13.98	161.31	0.605	10.68	0.191	3.35	7.05	0.707	20.34	20.34	0.287	10.70	..	
	11.77	35.90	3.78	0.803	0.803	0.907	3.17	9.51	16.90	96.87	0.578	10.93	0.246	4.65	7.04	0.873	19.58	20.00	0.287	10.70	..	
	13.60	66.68	4.36	0.845	0.845	0.640	3.15	18.30	18.30	134.50	0.860	11.76	0.108	4.03	6.54	0.773	19.58	20.00	0.287	10.70	..	
	14.53	54.71	4.73	0.971	0.981	0.915	3.10	11.11	17.74	146.08	0.600	10.95	0.285	5.81	7.30	0.780	21.19	21.19	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.818	0.885	0.915	3.52	12.73	12.73	178.05	0.523	9.54	0.249	5.30	6.19	0.883	10.15	10.15	0.287	10.70	..	
	16.31	62.50	4.33	0.																		

TABLE XIII.—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31ST MARCH, 1942—continued.

Supply Authorities.	Capital Outlay.			Revenue from Sale of Electricity.					Working-costs.			Capital Charges.			Total Costs.			No.		
	Per Head of Population.	Per Consumer.	Per £1 of Revenue.	Per Unit sold (Overall including Bulk Supply).	Per Unit sold (Excluding Bulk Supply).	Per Unit sold (Domestic Supply).	Per Head of Population.	Per Retail Consumer.	Per kW. Maximum Demand.	Per Route-mile of Line.	Per Unit sold.	Per kW. Maximum Demand.	Per Cent. of Capital Outlay.	Per Unit sold.	Per kW. Maximum Demand.	Per Cent. of Distribution Capital.				
																	£(N.Z.)		d.	£(N.Z.)
OTHER LOCAL AUTHORITIES.																				
<i>City Councils.</i>																				
1. Christchurch ..	10.82	32.35	3.24	0.741	0.780	0.648	3.20	9.52	10.49	892.80	0.549	7.76	73.04	0.113	1.60	4.69	0.662	9.36	27.83	1
2. Dunedin ..	23.62	61.33	0.46	0.705	0.784	0.656	3.56	8.92	11.46	485.92	0.276	4.14	25.93	0.247	3.70	4.89	0.523	7.83	21.86	2
3. Invercargill ..	7.66	23.42	2.95	1.342	1.342	1.329	2.61	7.60	20.23	677.55	0.910	13.71	87.39	0.194	3.92	4.89	1.103	16.63	46.10	3
4. Nelson ..	14.17	43.38	4.48	3.420	3.422	4.836	3.31	9.66	39.14	571.65	2.249	25.74	62.98	0.800	9.15	5.21	3.050	34.01	31.53	4
5. Palmerston North ..	12.61	41.19	3.50	0.813	0.810	0.513	3.63	11.46	15.53	945.36	0.569	10.69	69.55	0.115	2.19	1.60	0.674	12.88	40.41	5
6. Wellington ..	12.77	39.82	2.64	0.742	0.833	0.520	3.90	9.80	16.54	1,780.45	0.630	14.04	79.39	0.637	0.83	1.60	0.667	14.87	44.10	6
Totals ..	14.41	41.46	3.72	0.781(d)	0.848(d)	0.648	3.52(c)	9.46(e)	890.18(m)	0.543(p)	0.118(f)	..	67.49(n)	0.602(g)	..	..	0.602(g)	32.80(q)	..	..
<i>Borough Councils.</i>																				
1. Bluff ..	3.38	11.95	1.12	2.058	2.058	3.753	3.17	10.35	18.05	589.81	1.716	15.55	78.87	0.236	2.27	10.81	1.066	17.82	84.88	1
2. Hamilton ..	5.18	15.18	1.51	1.033	1.033	0.812	3.37	9.37	17.58	778.77	0.622	10.59	39.82	0.072	1.23	4.56	0.694	11.82	53.15	2
3. Inglewood ..	8.51	23.28	2.51	1.122	1.122	0.925	3.57	9.27	18.54	477.85	1.023	17.39	39.03	0.248	4.07	8.74	1.200	21.46	84.02	3
4. Kaitiaki ..	9.19	22.10	3.58	1.236	1.236	1.100	3.61	6.17	10.70	301.67	1.009	13.64	39.36	0.158	2.13	3.05	1.144	18.07	27.19	4
5. Lyttelton ..	5.31	15.77	1.63	1.328	1.328	1.300	3.31	9.63	10.10	848.88	0.920	12.93	37.72	0.069	1.60	3.21	0.989	14.23	45.52	5
6. Napier ..	8.45	27.16	2.40	0.950	0.989	0.762	3.39	10.84	12.56	1,257.74	0.614	12.36	37.72	0.106	1.40	7.80	0.800	17.01	41.46	6
7. New Plymouth ..	15.47	50.17	3.27	0.607	0.754	0.677	4.04	13.43	17.04	313.31	0.414	11.84	49.38	0.120	3.36	6.02	0.531	14.91	63.25	7
8. Ohakune ..	5.11	16.30	6.50	0.680	0.580	0.838	2.66	2.45	7.60	77.91	0.900	13.94	49.55	0.472	6.20	12.36	1.462	19.18	105.95	8
9. Patea ..	10.57	44.26	3.13	1.154	1.150	1.126	3.39	14.04	21.69	416.18	0.738	13.87	33.55	0.236	4.46	5.56	0.075	18.33	43.70	9
10. Picton ..	12.35	37.48	3.71	4.800	4.890	4.518	3.33	10.11	42.08	940.86	3.283	34.32	31.55	0.083	8.46	5.42	0.075	42.78	10.63	10
11. Queenstown ..	16.40	50.96	6.45	2.836	2.836	2.836	3.33	7.01	28.51	235.86	1.257	12.61	44.17	1.042	10.49	5.70	2.295	23.10	35.23	11
12. Raetihi ..	8.50	49.48	4.26	1.356	1.657	1.444	1.90	10.83	22.00	535.77	0.468	12.61	36.92	0.644	10.44	11.12	1.142	18.52	20.20	12
13. Rangiora ..	4.83	13.10	1.47	1.255	1.255	1.200	3.38	8.78	21.93	707.86	1.089	19.06	34.35	0.175	3.08	9.40	1.142	22.15	68.48	13
14. Riccarton ..	7.14	20.34	2.25	0.763	0.763	0.847	3.22	0.65	13.13	707.86	0.587	10.11	75.94	0.042	0.74	2.50	0.630	10.84	36.75	14
15. Ross ..	11.85	36.35	3.56	1.333	1.333	1.229	3.41	10.50	205.22	205.22	1.013	13.72	74.02	0.405	5.09	8.53	1.410	10.21	34.58	15
16. Rotorua (Tourist Department) ..	10.14	31.90	2.38	0.995	0.995	0.749	4.25	19.40	18.16	734.95	0.653	11.95	65.84	0.218	3.97	9.10	0.873	15.03	26.84	16
17. Stratford ..	5.46	14.01	2.02	0.871	0.871	1.038	2.70	7.22	18.16	354.84	0.723	11.38	83.04	0.081	1.28	4.61	0.805	12.66	44.04	17
18. Sumner ..	4.88	15.56	1.36	1.735	1.735	1.262	3.58	11.36	22.72	717.00	0.904	12.63	55.45	0.462	5.93	10.08	1.417	18.59	44.04	18
19. Taihape ..	18.50	64.19	3.88	0.897	1.458	0.998	3.52	11.91	33.46	698.53	0.455	16.98	49.90	0.171	6.30	5.32	0.623	23.37	184.24	19
20. Tauranga ..	46.07	115.12	5.63	0.446	0.498	0.498	4.82	10.65	10.37	497.91	0.233	5.42	51.27	0.150	2.80	4.70	0.353	28.22	42.45	20
21. Te Aroha ..	8.85	25.74	2.39	0.957	0.908	0.718	3.85	10.65	14.30	370.42	0.581	12.90	84.24	0.102	0.65	1.00	0.856	13.52	40.49	21
22. Te Puke ..	14.53	36.87	3.17	0.957	0.957	0.748	4.63	11.62	21.94	389.41	0.581	13.32	100.02	0.102	3.71	6.34	0.743	17.07	40.49	22
23. Thames ..	6.50	22.05	1.92	1.186	1.293	0.908	3.04	14.93	15.90	378.96	0.763	12.96	57.62	0.099	2.11	5.34	0.845	18.02	24.48	23
24. Tiamaru ..	6.99	22.87	2.80	1.150	1.150	0.898	3.74	14.93	10.54	849.66	0.763	12.96	65.05	0.114	1.04	4.31	0.874	14.91	38.07	24
25. Wairarapa ..	5.61	16.92	1.82	1.133	1.133	1.099	5.48	15.88	15.88	787.50	0.763	10.70	67.08	0.090	1.27	7.77	0.854	11.00	73.33	25
26. Wairua ..	8.63	25.16	3.25	1.284	1.284	1.191	3.28	9.36	31.44	582.50	2.005	15.03	66.17	0.184	3.08	7.04	1.084	18.11	40.71	26
27. Waitara ..	20.03	54.05	3.64	1.076	2.750	0.920	2.60	17.73	21.44	330.91	2.005	22.91	72.62	0.764	8.73	8.53	2.770	31.60	59.93	27
28. Westport ..	13.82	38.03	3.76	1.171	1.171	0.929	4.07	10.11	19.38	620.31	0.778	12.86	43.03	0.281	5.08	7.17	0.980	13.00	25.53	28
29. Whangarei ..	10.58	32.69	2.84	0.893(b)	1.022(d)	0.929	3.54(e)	10.65(k)	492.80(m)	0.586(p)	0.153(r)	..	64.16(n)	0.172	2.85	3.91	0.930	13.71	21.64	29
Totals ..	10.58	32.69	2.84	0.893(b)	1.022(d)	0.929	3.54(e)	10.65(k)	492.80(m)	0.586(p)	0.153(r)	..	64.16(n)	0.172	2.85	3.91	0.930	13.71	21.64	30
<i>Town Boards.</i>																				
1. Kapenga ..	10.00	40.59	2.41	1.207	1.208	1.775	4.51	16.86	20.86	437.44	0.901	15.56	72.81	0.291	5.03	10.03	1.102	20.00	41.22	1
2. Mangaweka ..	13.10	36.50	3.58	1.223	1.223	1.268	4.87	10.21	20.58	27.27	1.999	20.17	74.12	0.460	0.73	9.13	1.500	26.91	54.35	2
3. Manunui ..	3.57	14.94	2.37	4.663	4.903	4.438	1.51	6.29	38.63	231.80	2.709	20.90	54.17	1.908	14.79	16.11	4.618	36.73	38.98	3
Totals ..	9.04	33.70	2.56	1.326(b)	1.327(d)	1.438	3.75(e)	13.13(k)	141.55(m)	1.001(p)	0.357(r)	..	71.01(n)	0.357(r)	..	10.50(o)	1.368(s)	..	42.80(q)	..

(For notes see page 16.)

TABLE XIII.—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31ST MARCH, 1942—continued.

Supply Authorities.	Capital Outlay.			Revenue from Sale of Electricity.							Working-costs.			Capital Charges.			Total Costs.			No.
	Per Head of Population.	Per Cent. of Consumer.	Per £1 of Revenue.	Per Unit sold (Overall including Bulk Supply).	Per Unit sold (Excluding Bulk Supply).	Per Unit sold (Domestic Supply).	Per Head of Population.	Per Retail Consumer.	Per kV. of Maximum Demand.	Per Route-mile of Line.	Per Unit sold.	Per kV. of Maximum Demand.	Per Cent. of Total Revenue.	Per Unit sold.	Per kV. of Maximum Demand.	Per Cent. of Capital Outlay.	Per Unit sold.	Per kV. of Maximum Demand.	Per Cent. of Distribution Capital.	
OTHER LOCAL AUTHORITIES—continued.																				
1. Heathcote	5.08	10.15	1.50	0.804	0.804	0.680	3.43	10.80	551.00	£(N.Z.)	0.755	11.02	93.15	0.213	3.11	1.77	0.568	4.13	80.58	1
2. Kaitiaki	18.10	35.20	3.23	6.053	7.000	2.770	4.35	10.91	345.33	£(N.Z.)	6.256	44.05	87.08	2.657	18.06	12.35	9.013	43.01	120.48	2
3. Murchison	16.44	68.80	5.06	2.176	2.176	15.055	3.27	13.53	100.47	£(N.Z.)	0.957	13.59	43.72	0.956	13.58	8.67	1.013	27.17	33.37	3
4. Uawa	3.00	10.36	1.59	14.079	14.079	0.094	2.26	10.20	233.00	£(N.Z.)	13.410	41.50	95.31	0.137	2.48	7.10	13.500	41.50	160.27	4
5. Waimairi	0.04	20.03	2.47	0.774	0.774	0.084	2.45	8.10	238.16	£(N.Z.)	0.566	10.20	73.16	0.187	2.48	7.10	0.704	13.68	36.79	5
Totals	0.48	21.47	2.41	0.865(d)	0.865(d)	..	2.70(e)	8.90(f)	270.56(m)	£(N.Z.)	0.673(p)	..	77.33(n)	0.187(r)	..	0.00(g)	0.861(s)	..	46.04(g)	..
Totals, other Local Authorities	12.89	38.37	3.43	0.814(b)	0.806(d)	..	3.50(e)	9.70(f)	679.84(m)	£(N.Z.)	0.559(p)	..	68.82(n)	0.130(r)	..	4.00(g)	0.680(s)	..	35.94(g)	..
COMPANIES.																				
1. Kanieri Electric, Ltd.	27.35	83.93	5.63	0.745	1.065	1.065	4.87	14.00	458.17	£(N.Z.)	0.591	9.19	79.04	0.299	3.25	4.98	0.801	12.43	74.10	1
2. L. Kays, Kaitiaki	12.04	77.23	6.87	12.188	12.188	12.188	1.96	11.24	376.50	£(N.Z.)	10.958	52.07	86.21	0.327	1.69	2.70	10.958	52.07	71.33	2
3. Reefton Electric Light and Power Co., Ltd.	5.31	20.64	1.96	6.000	6.000	7.410	2.88	10.53	500.41	£(N.Z.)	4.424	21.94	68.53	1.938	0.72	13.16	4.572	23.63	82.80	3
4. Rawene Motors, Ltd.	3.06	16.12	1.31	7.424	7.424	10.327	2.35	13.22	38.72	£(N.Z.)	8.970	46.83	119.23	0.640	0.72	2.90	10.299	53.55	477.22	4
5. Wilson's (N.Z.) Portland Cement, Ltd.	154.53	375.08	3.03	0.343	0.357	1.573	18.64	43.33	427.34	£(N.Z.)	0.106	3.62	59.19	0.040	0.72	2.90	0.237	4.24	47.35	5
6. Westland Power, Ltd.	20.02	207.32	11.00	1.262	1.762	2.257	1.62	17.81	95.55	£(N.Z.)	1.134	24.43	87.21	0.687	16.63	4.73	1.832	30.46	30.71	6
Totals	26.36	123.57	5.40	0.500(b)	2.035(d)	..	3.79(e)	10.62(f)	287.42(m)	£(N.Z.)	0.400(p)	..	70.13(n)	0.127(r)	..	4.15(g)	0.528(s)	..	40.89(g)	..
Grand totals, 1942..	27.00	96.10	5.42	0.858(c)	0.806(d)	..	3.00(e)	11.54(f)	277.08(m)	£(N.Z.)	0.343(p)	..	56.52(n)	0.181(r)	..	5.64(g)	0.528(s)	..	25.45(g)	..
" 1941..	26.31	93.08	5.21	0.992	0.945	..	3.54	11.74	280.07	£(N.Z.)	..	..	56.34	..	..	5.65	..	..	25.07	..
" 1940..	25.69	92.11	5.61	0.987	0.987	..	3.35	11.10	238.00	£(N.Z.)	..	..	..	..	..	..	..	..	26.41	..
" 1939..	25.07	91.74	6.03	0.882	1.040	..	3.12	10.68	238.00	£(N.Z.)	..	..	..	..	..	..	..	..	22.25	..
" 1938..	23.00	91.40	6.38	1.028	1.000	..	2.90	10.28	228.00	£(N.Z.)	..	..	..	..	..	..	..	..	..	..

Average Revenue per Unit (kWh) sold for all Purposes for Year ended 31st March, 1942: 0.858d.

NOTES.—(a) Capital outlay divided by revenue from retail plus bulk sales. (b) Derived from items 3 and 10, Table XIII. (c) Total revenue from retail sales (£5,538,198) divided by total units sold retail (1,546,504,846) retail sales, less revenue from large industrial and traction loads. (d) Derived from items 1 and 13, Table XIII. (e) Derived from items 2 and 11, Table XIII. (f) Gross revenue, excluding bulk sales and rates. (g) Derived from items 7 and 15, Table XIII. (h) Revenue from items 13 and 16, Table XIII. (i) Derived from items 3 and 14, Table XIII. (j) Revenue from retail plus bulk sales. (k) Derived from items 16 and 17, Table XIII. (l) Derived from items 6 and 10, Table XIII. (m) Derived from items 3 and 15, Table XIII. (n) Includes Maripui, Korahora, Mangahao, and Walkarameana power-stations. (o) Includes Lake Coleridge, Waitaki, Monowai, and Arnold River power-stations. (p) Not yet actively functioning. (q) License delegated to Westland Power, Ltd. (r) No return received.

TABLE XIII.A.

Large Industrial and Traction Loads.—Units sold and Revenue received for Year ended 31st March, 1942.

Supply Authority.	Type of Load.	Units sold.	Revenue.
			£(N.Z.)
PUBLIC WORKS DEPARTMENT.	Gold-mining N.Z.R. Workshops, &c.) Petone (traction, &c.)	15,874,500	4,068
		10,632,700	35,020
South Island system ..	Gold-dredging N.Z.R. Workshops, &c.) Ardington(traction, &c.) Churches Tram- ways Steel (N.Z.), Ltd.	10,934,900	36,100
		6,710,823	18,641
		8,802,960	16,617
		1,740,170	3,280
Totals		60,709,743	124,566
ELECTRIC-POWER BOARDS.	Traction ..	22,499,621	53,906
		7,550,353	14,619
		6,363,831	11,764
		4,768,600	16,155
Wanganui-Rangitikei ..	Traction ..	1,207,000	2,652
Totals		42,379,405	99,095
CITIES AND BOROUGHS.	Traction ..	4,337,187	8,995
		673,134	2,244
		875,400	1,500
		11,669,482	31,570
Totals		17,545,182	44,510
Kaniere Electric, Ltd. ..	Gold-dredging ..	3,189,420	4,983
		489,978	1,535
Wilson's (N.Z.) Portland Cement, Ltd.	Cement-manufacture ..	7,103,393	7,148
		10,872,788	13,664
Totals for all above Supply Authorities		140,507,118	281,845

TABLE XIII.B.

Summary of Totals from Tables IX, X, and XI.

Item.	Public Works Department.		Electric-power Boards.	Other Local Authorities.			Companies.	Totals, all Supply Authorities.
	No.	£(N.Z.)		City Councils.	Borough Councils.	Town Boards.			County Councils.	Total.
1. Population	50,530	16,007,305	385,680	No.	No.	No.	No.	No.
2. Number of consumers ..	13,077	3,352,672	126,907	156,050	2,850	20,100	9,530	1,585,400
3. Total units sold (bulk plus retail) ..	1,551,954,368	1,244,197	434,280,897	50,523	765	6,070	2,033	455,030
4. Units sold retail (less units sold for large industrial and traction loads (see Table XIII.A)) ..	198,182,339	3,695,257	823,914,680	156,554,360	1,818,848	15,002,016	19,706,270	2,261,709,275
5. Units sold retail (less units sold for large industrial and traction loads (see Table XIII.A)) ..	38,413,240	3,253,576	861,534,678	127,230,627	1,810,668	14,994,202	13,418,321	546,264,846
6. Route-miles of lines	5,163	30,684	1,577	1,182	71	200	100	29,037
7. Capital outlay	20,442,128	16,007,305	5,201,770	1,651,902	25,787	130,366	531,220	43,770,574
8. Revenue (retail sales)	1,296,781	3,352,672	1,244,197	540,122	10,045	54,066	35,259	5,533,136
9. Revenue (retail plus bulk sales) ..	1,374,024	3,421,585	1,69,070	45,370	10,045	54,066	10,782	2,838,841
10. Revenue from retail sales, less revenue from large industrial and traction loads (see Table XIII.A) ..	2,270,805	3,695,257	1,413,276	582,492	10,050	54,112	45,967	8,071,579
11. Revenue from large industrial and traction loads (see Table XIII.A) ..	172,215	3,253,576	1,201,478	538,322	10,045	54,066	21,501	5,251,293
12. Gross revenue (excluding rates) ..	2,294,878	3,793,908	1,457,983	595,965	10,688	54,430	46,931	8,283,883
13. Gross revenue (less revenue from bulk sales)	320,854	3,451,323	1,288,004	553,595	10,683	54,384	36,199	5,716,042
14. Working-costs	854,510	2,362,760	983,430	382,340	7,500	42,000	32,915	4,065,044
15. Capital charges	1,003,178	1,126,442	214,700	100,596	2,700	11,741	10,429	2,469,591
16. Total costs	1,857,688	3,489,202	1,198,235	482,936	10,200	53,851	43,344	7,136,235
17. Capital outlay on transmission and distribution systems	9,385,676	13,701,682	3,642,183	1,071,840	24,059	116,926	86,878	28,028,344

TABLE XIV.—RETURN OF ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES CONNECTED TO ELECTRIC-SUPPLY SYSTEMS AS AT 31st MARCH, 1942.

Supply Authorities.	Number of Consumers.			Ranges.				Water-heaters.			Milkling-machines.		
	Domestic.	Commercial.	Total.	Under 5 Kilowatts.	5 Kilowatts and over.	Total Number.	Total Kilowatts.	Per Cent. of Number of Domestic Consumers.	Number.	Total Kilowatts.	Per Cent. of Total Number of Consumers.	Number.	H.P.
PUBLIC WORKS DEPARTMENT.													
1. North Island system ¹	419	12	431	29	275	304	1,954	72.55	329	425	76.33	1,485	2,483
2. South Island system ²	10,840	1,746	12,586	1,697	1,813	1,982	13,072	18.28	989	1,255	7.85	1,485	2,483
Totals	11,259	1,758	13,017	198	2,088	2,286	15,026	20.30	1,318	1,680	10.12	1,485	2,483
POWER BOARDS.													
1. Ashburton	4,395	563	4,958	1,016 ^a	896	1,912	7,124	43.50	1,335	2,761	29.92	116	145
2. Auckland	56,926	12,645	69,571	..	21,530	21,530	150,710 ¹¹	37.82	26,315	19,751	37.82	760	1,125
3. Banks Peninsula	1,056	59	1,115	176	261	437	2,235	41.38	343	524	30.76	156	124
4. Bay of Islands	2,083	368	2,451	135 ^b	368	503	2,360	24.14	712	493	29.16	366	475
5. Bay of Plenty	2,079	341	2,420	107	735	842	5,045	40.50	1,523	1,150	62.93	747	958
6. Buller ³ .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..
7. Cambridge	1,689	251	1,940	27	402	429	2,507	25.39	931	1,164	47.98	428	522
8. Central Hawke's Bay	1,867	382	2,249	165	600	765	4,424	40.97	720	756	32.01	167	222
9. Central Waikato	7,008	690	7,698	489 ¹⁰	1,467	1,956	11,008	23.05	3,656	2,672	47.40	2,075	3,139
10. Dannevirke	2,773	546	3,319	110	519	629	3,695	22.68	1,033	788	31.12	598	2,079
11. Franklin	4,959	600	5,559	568	1,810	2,378	11,706	47.95	3,908	2,575	70.30	2,332	2,079
12. Golden Bay	465	85	550	82	55	137	476	29.46	172	111	31.27	121	102
13. Grey	4,398	693	5,091	222	681	903	5,296	20.63	540	622	10.60	54	58
14. Hawke's Bay	8,475	950	9,425	120	3,116	3,236	27,354	38.18	3,369	3,000	35.74	387	462
15. Horowhenua	4,884	1,479	6,363	N.A.	1,770	1,770	11,428	36.24	2,280	1,536	35.83	1,368	1,154
16. Hutt Valley	14,763	2,484	17,247	214	5,185	5,399	30,754	36.57	6,111	5,012	35.43	1,117	1,444
17. King-country ⁴ .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..
18. Maivern	712	81	793	67	140	207	1,044	29.07	86	161	10.84	5	5
19. Manawatu-Oroua	5,838	254	6,092	20	1,614	1,634 ¹²	11,318 ¹²	27.98	2,609 ¹²	1,765 ¹²	42.82	1,570	2,194
20. Marlborough	2,974	502	3,476	212	487	699	3,815	23.50	370	382	10.64	147	209
21. North Auckland	3,781	906	4,687	124	1,046	1,170	5,882	30.94	2,257	1,527	48.15	1,484	1,966
22. North Canterbury	3,546	366	3,912	377	585	962	5,246	27.12	711	1,224	18.22	200	172
23. Opunake	1,182	192	1,374	52	260	312	1,816	26.39	528	407	38.42	405	495
24. Otago	4,172	1,047	5,219	59	517	576	3,603	13.80	508	625	9.73	157	233
25. Otago Central	1,825	305	2,130	84	344	428	2,402	32.31	438	440	26.87	93	68
26. Poverty Bay	5,154	1,332	6,486	..	2,169	2,169	12,895	42.08	2,024	1,433	31.20	292	255
27. Reefton ³ .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..
28. South Canterbury	4,913	676	5,589	142	854	996	6,000	20.27	738	925	13.02	186	183
29. South Taranaki	3,383 ¹⁰	846 ¹⁰	4,229	125	905	1,030	6,453	30.44	1,700	1,106	40.19	904	1,163
30. Springs-Ellesmere	2,755	267	3,022	281	495	776	3,860	28.16	758	1,092	25.08	273	278
31. Taranaki	2,886	289	3,175	17	650	667	4,561	23.11	1,350	971	42.51	1,320	2,174
32. Tairāra	1,889	311	2,200	399	543	942	4,474	49.86	918	600	41.72	561	561
33. Tauranga	2,340	199	2,539	126	983	1,109	6,991	47.39	1,975	1,336	77.78	853	1,109
34. Te Awamutu	2,317	490	2,807	320	664	984	4,784	42.46	1,499	1,318	53.40	906	1,344
35. Teviot	433	66	499	27	195	222	1,342	51.27	185	150	37.07	2	2
36. Thames Valley	9,685	978	10,663	81	3,281	3,362	24,862	34.71	6,155	4,985	57.72	3,470	5,862
37. Waimea	2,681	583	3,264	106	289	395	2,288	14.73	297	207	9.09	180	998
38. Wairarapa	5,231	1,091	6,322	328	1,519	1,847	11,503	35.30	2,274	2,203	35.96	692	998
39. Waurea	531	74	605	28	210	238	1,423	44.82	306	188	50.57	162	213

(For notes, see page 19.)

TABLE XIV.—RETURN OF ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES CONNECTED TO ELECTRIC-SUPPLY SYSTEMS AS AT 31ST MARCH, 1942—continued.

Supply Authorities.	Number of Consumers.			Ranges.					Water-heaters.			Milkling-machines.		
	Domestic.	Commercial.	Total.	Under 5 Kilowatts.	5 Kilowatts and over.	Total Number.	Total Kilowatts.	Percentage of Number of Domestic Consumers.	Number.	kW.	Total Kilowatts.	Percentage of Total Number of Consumers.	Number.	H.P.
POWER BOARDS—continued.														
40. Wairon	477	70	547	54	122	176	1,019	36.80	225	152	152	41.13	252	180
41. Waitaki	4,412	631	5,043	198	1,466	1,664	10,811	37.71	1,699	1,902	33.69	65	67	
42. Waitemata	15,960	1,157	17,117	61	5,713	5,774	35,047	36.17	5,314	4,074	31.04	2,017	1,283	
43. Waitomo	1,782	444	2,226	82	790	872	5,412	48.93	990	766	44.47	372	493	
44. Wangamui-Rangitikei	10,006	2,257	12,263	N.A.	2,369	2,369	15,313	23.67	3,084	2,301	25.14	1,183	1,268	
45. Westland
Totals	218,185	37,530	255,715	6,811	67,605	74,416	470,886	34.10	91,936	75,135	35.95	27,373	84,791	
OTHER LOCAL AUTHORITIES.														
City Councils.														
1. Christchurch	29,429	5,360	34,789	1,155	14,137	15,292	104,316	51.96	11,504	11,057	33.06	53	56	
2. Dunedin	24,636	7,363	31,999	995	2,999	3,994	21,651	16.21	6,664	7,608	20.82	205	300	
3. Invercargill	6,074	1,117	7,191	163	131	294	936	4.84	300	349	4.18	..	..
4. Nelson	2,800	925	3,725	..	..	..	..	..	..	..	..	..	..
5. Palmerston North	5,825	1,400	7,225	144	1,717	1,861	10,640	31.94	2,753	2,136	38.10	3	6	
6. Wellington	30,840	11,138	41,978	419	4,076	4,495	29,438	14.57	7,636	10,720	18.19	17	14	
Totals	99,604	27,303	126,907	2,876	23,060	25,936	167,041	26.03	28,857	31,870	22.73	278	376	
Borough Councils.														
1. Bluff	498	100	598	7	7	14	55	2.81	8	11	1.33	1	1	
2. Hamilton	4,462	1,438	5,900	60	649	709	4,401	15.88	1,203	766	20.38	4	4	
3. Inglewood	392	72	464	2	77	79	576	20.15	76	58	16.37	2	1	
4. Kaupo	581	89	670	78	89	167	776	28.74	63	64	9.40	2	5	
5. Lyttelton	398	133	531	8	186	194	1,278	21.60	121	104	11.73	4	1	
6. Napier	3,891	1,076	4,967	48	728	776	5,345	19.94	1,364	963	27.25	..	..
7. New Plymouth	6,570	1,117	7,687	352	2,231	2,583	12,525	39.26	2,638	1,790	34.27	804	1,233	
8. Ohakune	462	135	597	32	19	51	169	11.03	38	32	6.36	9	10	
9. Patea	521	..	521	30	126	156	1,020	29.94	149	102	28.59	26	25	
10. Pictou	372	86	458	2	1	3	14	0.80	..	..	..	..	..
11. Queenstown	224	72	296	3	12	15	70	6.69	7	7	2.36	..	..
12. Raetihi	395	117	512	21	23	44	222	11.13	73	59	14.25	..	..
13. Rangiora	714	112	826	5	142	147	966	20.58	187	207	22.64	58	55	
14. Riccarton	1,902	169	2,061	45	933	978	6,474	51.41	959	754	46.63	..	..
15. Ross .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..
16. Rotorua (Tourist Department)	2,760	741	3,501	155	522	677	3,717	24.52	902	849	25.76	264	306	
17. Stratford	942	268	1,210	10	311	321	1,882	34.07	312	285	25.16	3	4	
18. Sumner	1,206	24	1,230	..	313	313	1,877	25.95	255	241	20.73	1	3	
19. Taihape	507	186	693	18	72	90	578	17.75	68	66	9.81	3	4	
20. Taumarunui	972	276	1,248	46	113	159	815	16.35	121	87	9.69	51	35	
21. Turanga	1,255	310	1,565	163	757	920	5,755	73.30	927	495	59.23	..	..
22. Te Aroha	604	238	842	16	194	210	1,474	34.76	239	180	28.38	8	17	
23. Te Puke	268	134	402	31	98	129	717	48.13	124	72	30.84	12	12	
24. Thames	927	285	1,212	49	204	253	1,461	27.29	221	142	18.23	1	2	
25. Tamaru	4,387	1,080	5,467	..	1,032	1,032	6,489	23.62	1,044	1,550	19.16	2	1	

TABLE XIV.—RETURN OF ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES CONNECTED TO ELECTRIC-SUPPLY SYSTEMS AS AT 31ST MARCH, 1942—continued.

Supply Authorities.	Number of Consumers.				Ranges.				Water-heaters.			Milk-machines.				
	Domestic.		Commercial.		Total.		Under 5 Kilowatts.		5 Kilowatts and over.		Total Number.		Percentage of Total Number of Consumers.		Number.	H.P.
	Number.	Number.	Number.	Number.	Number.	Number.	Number.	Number.	kW.	Per Cent.	Per Cent.	Number.	Per Cent.			
OTHER LOCAL AUTHORITIES—continued.																
Borough Councils—continued.																
26. Waioa	650	254	904	20	288	308	2,083	47.38	202	346	12,389	24.52	38.27	3	2	
27. Waikato	530	153	683	42	125	167	927	31.50	64	149	145	32.65	21.81	10	10	
28. Westport	1,151	304	1,455	3	19	22	139	1.91	38	31	38	27.73	2.13	6	5	
29. Whakatane	570	172	742	32	262	294	1,898	51.57	100	270	178	36.88	36.88	15	9	
30. Whangarei	2,028	784	2,762	35	566	601	3,821	29.63	146	504	133	18.24	18.24	15	25	
Totals	40,648	9,875	50,523	1,313	10,099	11,412	67,524	28.07	205	1,350	1,865	30.72	23.92	182	1,769	
Town Boards.																
1. Kaponga	371	73	444	16	64	80	474	21.56	237	103	145	32.65	27.73	164	249	
2. Mangaweka	105	32	137	4	38	42	236	40.00	4	4	38	27.73	27.73	13	10	
3. Manunu	161	23	184	..	..	..	..	..	..	..	..	..	..	5	4
Totals	637	128	765	20	102	122	710	19.15	205	133	188	23.92	23.92	182	263	
County Councils.																
1. Heathcote	1,066	5	1,071	103	539	642	3,364	60.22	437	294	486	45.37	45.37	7	4	
2. Kaikoura	191	70	261	..	..	..	..	..	..	..	..	..	..	..	..
3. Murchison	170	21	191	17	12	29	94	17.05	117	110	29	15.18	15.18	25	20	
4. Uawa	90	20	110	..	..	..	..	..	..	..	..	..	..	..	..
5. Waimairi	4,143	294	4,437	117	1,610	1,727	10,303	41.68	237	294	1,350	30.42	30.42	70	56	
Totals	5,660	410	6,070	237	2,161	2,398	13,761	42.36	4,446	1,865	1,865	30.72	30.72	102	80	
Totals, other Local Authorities	146,549	37,716	184,265	4,446	35,422	39,868	249,036	27.20	205	43,294	43,294	23.49	23.49	1,834	2,497	
COMPANIES.																
1. Kamari Electric, Ltd.	673	249	922	28	100	137	846	20.65	137	67	67	7.26	7.26	..	..
2. L. Keys, Kohukohu	65	2	67	2	..	2	4	3.07	2	2	2	2.98	2.98	..	..
3. Rcefton Electric Light and Power Co., Ltd.	297	89	386	..	..	..	..	..	..	1	1	0.25	0.25	1	2
4. Rawone Motors, Ltd.	35	20	55	..	..	..	..	..	..	..	..	..	..	..	..
5. Wilson's (N.Z.) Portland Cement, Ltd.	163	43	206	13	12	25	109	15.33	25	25	25	12.13	12.13	28	46	
6. Westland Power, Ltd.	322	75	397	16	25	41	217	12.73	146	38	38	9.57	9.57	42	64	
Totals	1,555	478	2,033	59	146	205	1,176	13.18	146	133	133	6.54	6.54	71	112	
Grand totals	377,548	77,482	455,030	11,514	105,261	116,775	736,124	31.79	205	136,681	136,681	30.03	30.03	30,763	39,883	

Notes.—¹ Includes Arapuni, Horohoro, Waikaremoana, and Mangahao power-stations interconnected.
² Board constituted 15th May, 1940; not yet actively functioning.
³ Includes 127 heat storage ranges.
⁴ Includes 178 heat storage ranges.
⁵ Licensee delegated to Westland Power, Ltd.
⁶ No return received.
⁷ Includes Ohmaka Aerodrome.
⁸ No return for year ended 31st March, 1942; figures given are for year ended 31st March, 1941.
⁹ Not actively functioning.
¹⁰ Includes 946 heat storage ranges.
¹¹ Estimated figure.
¹² No return for year ended 31st March, 1942; figures given are for year ended 31st March, 1941.

Ratio of domestic consumers to total consumers = 82.97 per cent.