

TABLE IV.—WAIKATO ELECTRIC-POWER SUPPLY.—CONNECTED LOAD IN KILOWATTS AT 31ST MARCH, 1932.

	1929.	1930.	1931.	1932.
1. Waitemata Electric-power Board	13,159	16,456	18,615	20,585
2. Thames Valley Electric-power Board	18,192	20,205	22,081	23,150
3. Waihi Gold-mining Co.	4,545	4,570	5,403	5,403
4. Waihi Grand Junction Co.	2,528	2,528	620	620
5. Franklin Electric-power Board	5,808	6,917	8,301	9,272
6. Central Electric-power Board	7,992	9,350	10,965	13,491
7. Hamilton Borough Council	6,843	7,813	9,169	9,473
8. New Zealand Railways, Frankton	936	936	98	774
9. New Zealand Co-operative Dairy Co., Frankton	828	828	902	954
10. State Farm, Ruakura	16	16	16	16
11. Cambridge Electric-power Board	2,461	2,694	2,833	3,000
12. Cambridge Co-operative Dairy Co.	411	307	175	111
13. Te Awamutu Electric-power Board	4,117	4,848	5,482	5,787
14. Waitomo Electric-power Board	1,790	2,334	2,649	3,420
15. Tourist Department, Rotorua	3,194	3,681	4,229	4,492
16. Bay of Plenty Power Board	3,664	5,150	6,097	6,320
17. Public Works Department, Horahora	151	151	151	151
18. Public Works Department, Arapuni	303	557	1,372	373
19. Public Works Department, Hamilton	56	56	56	56
20. Public Works Department, Penrose	127	127	127	127
Sum	77,121	89,524	99,341	106,868
21. Auckland Electric-power Board	..	171,000	182,069	188,650
Total connected load	77,121	260,524	281,410	296,225

TABLE V.—WAIKATO ELECTRIC-POWER SUPPLY.—ROUTE-MILES OF DEPARTMENT'S LINES IN OPERATION AT 31ST MARCH, 1932.

Line.	Supports.	Size of Wire.	Miles.
110,000 volt double circuit—			
Arapuni—Hamilton No. 2	Steel towers	19/13	29.21
Hamilton No. 2—Bombay	Steel towers	19/13	46.32
Bombay—Penrose	Steel towers	19/13	24.20
110,000 volt. single circuit—			
Arapuni—Penrose	{ 2.68 miles steel towers } { 96.56 miles wood poles }	19/13	99.24
Total route-miles of 110,000-volt lines	..	..	198.97
50,000 volt. double circuit :—			
Penrose—Henderson	{ 17.60 miles steel towers } { 1.15 miles duplicate wood-pole line }	7/14	18.75
Henderson—Takapuna	{ 2.15 miles steel towers } { 7.78 miles duplicate wood-pole line }	7/14	9.93
50,000 volt. single circuit—			
Arapuni—Mamaku	Wood poles	7/14	25.13
Mamaku—Ngongotaha	Wood poles	7/14	7.36
Ngongotaha—Edgecumbe	Wood poles	7/14	38.93
Edgecumbe—Waiotahi	Wood poles	7/14	21.08
Arapuni—Horahora	Wood poles	7/12	6.71
Horahora—Matamata	Steel towers	No. 0	14.74
Matamata—Waihou	{ 9.25 miles steel towers } { 11.23 miles wood poles }	No. 0 } 7/12 }	20.48
Waihou—Paeroa	Wood poles	19/16	12.27
Bombay—Kerepechi	Wood poles	19/16	35.30
Kerepechi—Paeroa	Wood poles	19/16	10.11
Paeroa—Waikino	Wood poles	19/16	5.38
Waikino—Aongatete (Department's part of McLaren's Falls line)	Wood poles	7/14	17.31
Horahora—Mystery Creek	Wood poles	7/12	20.70
Mystery Creek—Hamilton No. 1	Wood poles	7/12	6.54
Hamilton No. 1—Huntly	{ 0.53 miles steel towers } { 18.53 miles wood poles }	19/16	19.06
Mystery Creek—Te Awamutu	Wood poles	7/14	9.50
Te Awamutu—Hangatiki	Wood poles	7/14	19.50
Horahora tap on Arapuni—Penrose line (temporary)	Wood poles	7/14	2.00
Total route-miles of 50,000-volt. lines	..	..	320.78
11,000-volt lines—			
Single circuits—			
Waikino—Waihi	Steel towers	37/13	5.77
Waihi—Grand Junction	Wood poles	7/12	0.75
Double circuits—			
Horahora—Leamington	Wood poles	7/14	12.54
Leamington—Hamilton No. 1	Wood poles	7/16	15.86
Hamilton—Frankton—			
Quadruple circuit	2.86 miles wood poles	7/16	3.95
Triple circuit	0.72 mile (0.55 mile wood poles and 0.17 mile underground cables)	7/16	
Double circuit	0.37 mile wood poles	7/16	
Total route-miles of 11,000-volt lines	..	..	38.87
Grand totals of all lines	..	..	558.62