

TABLE XXIV.—WAIKATO ELECTRIC-POWER SUPPLY.—CONNECTED LOAD IN KILOWATTS AT 31ST MARCH, 1929.

(Does not include Auckland Power Board.)

	1928.	1929.
Waihi Gold-mining Co.	4,545	4,545
Waihi Grand Junction Gold Co.	2,528	2,528
Cambridge Co-operative Dairy Co.	411	411
New Zealand Dairy Co., Frankton	828	828
State Farm, Ruakura	16	16
New Zealand Railways, Frankton	1,906	936
Hamilton Borough Council	6,153	6,843
Tourist Department, Rotorua	3,390	3,194
Cambridge Electric-power Board	2,211	2,461
Central Electric-power Board	6,354	7,992
Te Awamutu Electric-power Board	3,520	4,117
Thames Valley Electric-power Board	16,493	18,192
Waitomo Electric-power Board	1,428	1,790
Franklin Electric-power Board	4,085	5,808
Waitemata Electric-power Board	10,075	13,159
Public Works Department, Horahora	151	151
Public Works Department, Arapuni	110	303
Public Works Department, Hamilton	56	56
Public Works Department, Penrose	127	127
Bay of Plenty Power Board	..	3,664
Total connected load	64,580	77,121

TABLE XXV.—WAIKATO ELECTRIC-POWER SUPPLY.—ROUTE-MILEAGE OF DEPARTMENT'S LINES IN OPERATION AT 31ST MARCH, 1929.

	Size of Wire (S.W.G.).	Miles.	
<i>110,000-volt Lines (Single Circuit).—</i>			
Horahora—Tap on Arapuni-Penrose line, Penrose (Arapuni scheme—in operation at 50,000 volts)	19/13	94	
<i>50,000-volt (Double Circuit).—</i>			
Penrose-Takapuna (including 9·1 miles of duplicate pole-line) ..	7/14	28·6	
<i>50,000-volt (Single Circuit).—</i>			
Horahora—Tap on Arapuni-Penrose line (temporary)	7/14	2·0	
Horahora-Waikino	7/12 & No. 0	44·42	
Waiorongomai-Waihou	7/12	5·22	
Waikino-Aongatete (Department's part of McLaren's Falls line) ..	7/14	17·27	
Horahora-Claudlands	7/12	27·5	
Mystery Creek - Te Awamutu	7/14	9·5	
Te Awamutu - Hangatiki	7/14	19·5	
Horahora-Arapuni	7/12	6·8	
Arapuni-Ngongotaha	7/14	32·25	
Ngongotaha-Waiotahi	7/14	60·01	
Bombay-Waikino	7/14	50·7	
		397·77	
	Number of Circuits.	Size of Wire (S.W.G.).	Miles.
<i>11,000-volt Lines.—</i>			
Waikino-Waihi	1	37/13	5·77
Waihi Grand Junction	1	7/12	0·75
Horahora-Leamington	2	7/14	12·54
Leamington-Hamilton	2	7/16	15·86
Hamilton-Frankton	4-3-2	7/16	3·8
Bombay-Pukekohe	2	7/14	5·0
			43·72
			441·49
Total	..	..	

TRANSMISSION-LINES ERECTED.

Route Miles.

110,000-volt steel-supported, double circuit	99·00
110,000-volt wood-pole, single circuit	99·00
50,000-volt steel-supported, single circuit	44·42
50,000-volt steel-supported, double circuit	19·50
50,000-volt wood-pole, single circuit	248·95
11,000-volt steel-supported, single circuit	5·77
11,000-volt wood-pole, single circuit	0·75
Two-, three-, and four-circuit	37·20
Total route-miles	554·59

Circuit Miles.

Copper	7/16	7/14	7/12	19/16	19/13	No. 0.	37/13
	45·42	232·81	46·21	50·7	297	38·48	5·77
Total circuit mileage (all three-phase), 716·39.							