

TABLE V.—WAIKATO ELECTRIC-POWER SUPPLY: ARAPUNI-HORAHORA SCHEME.—ROUTE-MILES OF DEPARTMENT'S LINES IN OPERATION AT 31ST MARCH, 1933.

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 2.15 miles steel tower line 7.78 miles duplicate wood-pole line }	7/14	18.75
Henderson–Takapuna	{ 17.60 miles steel towers 1.15 miles duplicate wood pole line 2.15 miles steel tower line 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	..
Waihou–Paeroa	Wood poles	7/12	20.48
Bombay–Kerepeehi	Wood poles	19/16	12.27
Kerepeehi–Paeroa	Wood poles	19/16	35.30
Paeroa–Waikino	Wood poles	19/16	10.11
Waikino–Aoangatete (Department's part of McLaren's Falls line)	Wood poles	19/16	5.38
Horahora – Mystery Creek	Wood poles	7/14	17.31
Mystery Creek – Hamilton No. 1	Wood poles	7/12	20.70
Hamilton No. 1 – Huntly	{ 0.53 miles steel towers 18.53 miles wood poles }	7/12	6.54
Mystery Creek – Te Awamutu	Wood poles	19/16	19.06
Te Awamutu – Hangatiki	Wood poles	7/14	9.50
Te Awamutu – Hangatiki	Wood poles	7/14	19.50
Total route-miles of 50,000-volt lines	..	..	318.78
11,000-volt lines—			
Double circuits—			
Horahora–Leamington	Wood poles	7/14	12.54
Hamilton No. 1 – Hautapu	Wood poles	7/16	6.61
Single circuits—			
Waikino–Waihi	Steel towers	37/13	5.77
Waihi – Grand Junction	Wood poles	7/12	0.75
Also Hamilton No. 1 – Frankton—			
Quadruple circuit	2.86 miles wood poles	7/16	} 3.95
Triple circuit	{ 0.55 miles wood poles 0.17 miles underground cables }	7/16	
Double circuit	0.37 miles wood poles	7/16	
Double circuit	0.37 miles wood poles	7/16	
Total route-miles of 11,000-volt lines	..	..	29.62
Grand total of all lines	..	..	547.37

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NOTE.—The Leamington–Hautapu 11 kv. section (9½ miles) was sold in March, 1933.