

TABLE O.—WAIKATO ELECTRIC-POWER SUPPLY.—ROUTE MILEAGE OF DEPARTMENT'S LINES IN OPERATION AT 31ST MARCH, 1928.

—	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	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 of 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—Claudelands	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
Bombay—Waikino	7/14	50.7
Total		337.76

—	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
Total			43.72
Total miles			381.48
Miles of wood-pole portion, Penrose—Takapuna line			9.10
Total route-miles in operation			390.58

TABLE P.—WAIKATO ELECTRIC-POWER SUPPLY.—ROUTE MILEAGE, POWER BOARD LINES, AT 31ST MARCH, 1928.

—	11,000 Volts.		3,000 Volts.		400 Volts.	Total Route-miles.
Number of circuits	2	1	2	1	1	
Cambridge Electric-power Board	..	..	..	99.5	69	168.5 (a)
Central Electric-power Board	7.25	125.75	..	93	155	381 (b)
Te Awamutu Electric-power Board	12	37	5	168	70	292 (c)
Thames Valley Electric-power Board	90	333	..	114.5	135	672.5 (d)
Waitomo Electric-power Board*	..	..	..	..	..	..
Franklin Electric-power Board	1	183	..	..	78	262 (e)
Waitemata Electric-power Board	5.45	104.73	..	..	157.4	267.58 (f)
Hamilton Borough Council	2	..	0.5	5	45	52.5 (g)

* No returns available.

(a) Also 44 miles of 400 volts on 3,000-volt lines.

(b) Also 2½ miles of 3,000 volts on 11,000-volt poles; 66 miles of 400 volts on 11,000-volt poles; and 48 miles of 400 volts on 3,000-volt poles.

(c) Also 21 miles of 3,000 volts on 11,000-volt lines, 18 miles of 400 volts on 11,000-volt lines, and 117 miles of 400 volts on 3,000-volt lines.

(d) Also 269 miles of 400 volts on 11,000-volt lines, and 99 miles of 400 volts on 3,000-volt lines.

(e) Also 118 miles of 400 volts on 11,000-volt lines.

(f) Also 77 miles of 400 volts on 11,000-volt lines.

(g) Also 4 miles of 400 volts on 3,000-volt lines.

TABLE Q.—WAIKATO ELECTRIC-POWER SUPPLY.—MILKING-MACHINES CONNECTED AT 31ST MARCH, 1928.

Electric-power Board.	½ Horse-power.		1 Horse-power.		1½ Horse-power.		2 Horse-power.		3 Horse-power.		5 Horse-power.		Total Number.	Total Horse-power.
	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.		
Cambridge Board.. .. .	1	½	9	9	115	172.5	126	252	8	24	..	..	259	458.0
Central Board	..	..	51	51	91	136.5	598	1,196	9	27	..	..	749	1,410.5
Te Awamutu Board	6	3	23	23	132	198.0	271	542	..	..	..	..	432	769.25*
Thames Valley Board	..	..	19	19	5	7.5	1,614	3,228	60	180	2	10	1,700	3,444.5
Waitomo Board†	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Franklin Board	..	..	18	18	187	280.5	129	258	..	..	..	..	334	556.5
Waitemata Board	..	..	..	..	..	..	64	128	1	3	..	..	65	131.0
Tourist Department	..	..	..	..	2	3.1	10	20	8	24	..	..	20	47.0
Totals	7	3½	120	120	532	798.0	2,812	5,624	86	258	2	10	3,559	6,816.75

* Includes thirteen ½ h.p. motors.

† No returns available.

ELECTRIC RANGES.

2 kw. and not over 5 kw., 155; 5 kw. and over, 1,132: Total number, 1,287.

ELECTRIC WATER-HEATERS.

Total number, 4,163; Total kilowatts, 2,660.