

ACTUAL MILEAGES AND SIZES OF OVERHEAD CONDUCTORS IN USE AT 31ST MARCH, 1932.

Size of Conductors (S.W.G.).	Copper.	Failures.	Aluminium.	Failures.	Galvanized Steel.	Failures.	Galvanized Iron.	Failures.	Copper-weld.	Failures.	Steel-cored Aluminium.	Failures.	Bronze.	Failures.	Total Failures.
7/20 ..	6,187	364	..	..	..	..	..	..	..	..	..	..	..	..	364
7/18 ..	9,749	319	..	..	..	..	..	..	..	..	..	..	..	..	319
7/17 ..	1,995	24	..	..	..	..	..	..	..	..	..	..	..	..	24
7/16 ..	16,142	156	17	..	48	..	85	..	..	..	199	..	..	..	156
7/15 ..	264	..	2	..	..	..	..	..	..	..	..	..	..	..	..
7/14 ..	9,817	50	72	..	46	..	..	..	..	..	239	6	..	..	56
7/13 ..	1,102	..	..	..	38	..	..	..	3	..	..	..	..	..	..
7/12 ..	405	10	13	..	2	..	..	..	..	..	..	..	..	..	10
7/10 ..	19	..	..	..	..	..	..	..	10	..	..	..	..	..	..
7/9 ..	76	..	15	..	4	..	..	..	..	..	..	..	..	..	..
19/18 ..	378	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19/17 ..	470	3	..	..	..	..	..	..	..	..	..	..	..	..	3
19/16 ..	1,449	2	..	..	..	..	..	..	..	..	..	..	..	..	2
19/15 ..	156	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19/14 ..	576	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19/13 ..	2,215	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19/12 ..	42	..	..	..	2	..	..	..	..	..	..	..	..	..	..
37/16 ..	54	..	..	..	..	..	..	..	..	..	..	..	..	..	..
37/15 ..	391	..	..	..	..	..	..	..	..	..	..	..	..	..	..
37/14 ..	90	..	..	..	..	..	..	..	..	..	..	..	..	..	..
37/13 ..	22	..	..	..	..	..	..	..	..	..	..	..	..	..	..
37/12 ..	4	..	..	..	..	..	..	..	..	..	113	..	..	..	..
61/13 ..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12 ..	2,897	145	..	..	..	..	94	..	70	..	..	..	..	..	145
10 ..	10,547	254	..	..	179	..	290	..	482	..	..	..	30	..	254
8 ..	11,997	180	..	..	3,587	..	5,753	43	579	..	..	..	..	..	223
7 ..	775	6	..	..	..	..	125	..	92	..	..	..	..	..	6
6 ..	291	4	..	..	34	..	15	..	199	1	3	..	..	..	5
4 ..	602	3	..	..	..	..	..	..	78	..	..	..	..	..	3
2 ..	66	..	..	..	..	..	..	..	..	..	..	..	..	..	..
0 ..	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..
00 ..	..	..	11	4	..	..	..	..	..	..	59	..	..	..	4
3/0 ..	..	..	..	..	..	..	..	..	..	..	1,240	..	..	..	..
6/-144 ..	..	..	..	..	..	..	..	..	..	..	19	..	..	..	..
6/-186 ..	..	..	..	..	2	..	..	..	..	..	42	..	..	..	..
7/-135 ..	..	..	185	..	..	..	..	..	..	..	..	..	..	..	..
7/-122 ..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
7/-083 ..	..	..	..	..	..	..	..	..	..	..	203	..	..	..	..
7/-074 ..	..	..	..	..	..	..	..	..	..	..	180	..	..	..	..
3/8 ..	..	..	9	..	..	..	..	..	..	..	..	..	..	..	..
3/10 ..	24	..	1	..	..	..	..	..	..	..	..	..	..	..	..
3/12 ..	103	..	17	..	..	..	..	..	..	..	..	..	..	..	..
5/14 ..	..	..	..	..	165	..	..	..	..	..	..	..	..	..	..
4/14 ..	..	..	..	..	290	..	..	..	..	..	..	..	..	..	..
4/16 ..	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2/10 ..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	..	57	..	..	..	..	..	..	..	3	..	..	..	..
	79,011	1,520	399	4	4,397	..	6,362	43	1,513	1	2,302	6	30	..	1,574

Grand total, 94,014 miles.

No returns received from Auckland, Christchurch, Halswell, and Rangiora.

GROWTH OF LOAD.

The total connected load at end of the year under review was 1,100,849 kw.

Statistics pertaining to the increasing use of electric ranges, electric water-heaters, and milking-machines have been collected and scheduled for some years past, and from the following table it will be seen that during the period 1925 to 1932 the growth has been phenomenal.

Year.				Consumers.	Electric Ranges.	Electric Water-heaters.	Electrified Milking-machines.
				Number.	Number.	Number.	Number.
1925 ..	..	..	..	148,699	1,526	..	3,581
1926 ..	..	..	..	192,392	4,671	6,654	4,856
1927 ..	..	..	..	228,345	9,511	14,160	6,738
1928 ..	..	..	..	243,795	15,766	21,513	8,514
1929 ..	..	..	..	266,306	20,254	29,257	10,161
1930 ..	..	..	..	284,235	25,997	37,564	11,922
1931 ..	..	..	..	300,809	29,480	42,803	13,656
1932 ..	..	..	..	309,360	31,973	45,796	14,163
Increase over seven-year period ..				Per Cent. 108	Per Cent. 2,150	Per Cent. 589*	Per Cent. 296

* Six years only.

See Table XXX for details for year ended 31st March, 1932.