

TABLE A.—LAKE COLERIDGE ELECTRIC-POWER SUPPLY.—RESULTS OF OPERATION.

Results of Operation.	Ninth Year, 1924.	Tenth Year, 1925.	Eleventh Year, 1926.	Twelfth Year, 1927.
	£	£	£	£
Capital outlay	892,801	1,008,491	1,366,951	1,538,569
Costs—				
Working-costs	20,777	23,270	27,035	30,728
Interest	44,444	47,780	50,324	65,094
Depreciation, 2 per cent.	12,584	15,679	19,350	28,168
Total costs	77,805	86,729	96,709	123,990
Accumulated Depreciation Fund	72,594	88,631	111,526	142,594
Accumulated deficiency	23,172	17,738	..	..
Sinking Fund Account	..	..	8,907	35,443
Revenue—				
City Council (excludes Woolston)	26,055	28,925	50,377	64,322
Tramways	9,189	9,477	10,122	16,094
Wholesale consumers	39,280	49,822	60,250	67,378
Retail consumers	2,289	1,880	264	269
Miscellaneous	1,695	2,059	2,342	2,177
Total revenue	78,508	92,163	123,355	150,240
Maximum load (kilowatts)—				
Power-house	10,800	13,180	14,430	16,880
Substations	9,490	11,190	13,583	15,512
City Council	5,344	6,216	7,244	7,978
Tramways	2,740	2,760	2,880	2,860
Average load (kilowatts)—				
Power-house	5,722	6,820	7,916	9,000
Substations	5,158	5,680	6,303	8,200
City Council	2,438	2,930	3,357	3,760
Tramways	870	897	972	980
Units output—				
Power-house	50,614,955	59,528,216	68,860,614	78,342,797*
Fed to village, tunnel, and intake	1,837,069	1,865,344	1,664,917	741,462
Fed to transmission-lines	48,777,886	56,935,840	65,491,130	76,941,870
Substations (various)	45,778,007	53,261,142	61,167,881	71,791,696
Units distributed—				
City Council	21,664,830	25,616,445	29,126,211	32,935,247
Tramways	7,623,900	7,851,060	8,511,530	8,583,270
Wholesale consumers and local bodies	14,198,034	17,420,138	22,988,931	27,829,050
Retail consumers	305,608	399,390	41,453	23,699
Substation local consumption	..	..	284,764	1,516,395
Total units distributed	43,792,372	51,287,033	60,952,889	70,887,661
„ „ sold	..	..	..	69,371,266
Losses—				
Transmission-line losses	2,999,879	3,676,518	4,323,249	5,150,174
Percentage	6.15	6.43	6.270	6.7
Distribution losses	1,985,635	1,973,199	1,342,454	1,645,497
Percentage	4.3	3.71	2.202	2.2
Average load-factor (per cent.)—				
Power-house	53.0	51.8	54.8	53.4
Substation	54.3	50.8	54.0	52.9
City	45.6	47.1	46.3	47.2
Working-costs—				
Per kilowatt (power-house maximum)	£1.92	£1.76	£1.874	£1.8204
Per kilowatt (substation maximum)	£2.188	£2.08	£1.99	£1.9809
Per unit generated	0.102d.	0.0938d.	0.0942d.	0.09413d.
Per unit sold	0.113d.	0.1088d.	0.1064d.	0.1060d.
Capital charges—				
Per kilowatt (power-house maximum)	£5.28	£4.82	£4.828	£5.525
Per kilowatt (substation maximum)	£6.00	£5.67	£5.129	£6.012
Per unit generated	0.280d.	0.255d.	0.2428d.	0.2856d.
Per unit sold	0.313d.	0.297d.	0.2743d.	0.3225d.
Total cost—				
Per kilowatt (power-house maximum)	£7.20	£6.58	£6.702	£7.3454
Per kilowatt (substation maximum)	£8.198	£7.75	£7.119	£7.9929
Per unit generated	0.3821d.	0.349d.	0.3371d.	0.3798d.
Per unit sold	0.4264d.	0.4059d.	0.3807d.	0.4285d.
Revenue (total revenue)—				
Per kilowatt (power-house maximum)	£7.27	£6.992	£8.548	£8.9005
Per kilowatt (substation maximum)	£8.27	£8.23	£9.081	£9.6854
Per unit generated	0.386d.	0.3715d.	0.43d.	0.4603d.
Per unit sold	0.4302d.	0.4312d.	0.4857d.	0.52d.
Per unit sold (city)	0.288d.	0.271d.	0.4150d.	0.4687d.
Per unit sold (trams)	0.289d.	0.2897d.	0.2854d.	0.4500d.
Per unit sold (wholesale consumers)	0.664d.	0.6864d.	0.629d.	0.5810d.
Per unit sold (retail consumers)	1.80d.	1.13d.	1.528d.	2.724d.

* Plus 446,300 units purchased.

Substations maximum: Addington, 12,872 kw.; Timaru, 1,133 kw.; Ashburton, 1,040 kw.; Oamaru, 269 kw.;
Hororata, 177 kw.; Point, 21 kw.; total, 15,512 kw.