

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

Results of Operation.	Eleventh Year, 1926.	Twelfth Year, 1927.	Thirteenth Year, 1928.	Fourteenth Year, 1929.
	£	£	£	£
Capital outlay.. .. .	1,366,951	1,538,569	1,561,081	1,581,262
Costs—				
Working-costs	27,035	30,728	40,054	30,130
Interest	50,324	65,094	75,630	76,612
Depreciation, 2 per cent.	19,350	28,168	29,863	29,847
Total costs	96,709	123,990	145,547	136,589
Accumulated Depreciation Fund	111,526	142,594	173,231	192,359
Accumulated deficiency	..	..	..	..
Sinking Fund Account	8,907	35,443	62,465	112,334
Revenue—				
City Council	50,377	64,322*	68,000*	70,344*
Tramways	10,122	16,094	16,863	16,215
Wholesale consumers	60,250	67,378	83,722	97,817
Retail consumers	264	269	164	145
Miscellaneous	2,342	2,177	2,378	2 442
Total revenue	123,355	150,240	171,127	186,963
Maximum load (kilowatts)—				
Power-house	14,430	16,880	21,020	24,370
Substations—				
Addington	11,670	12,872	16,088	17,610
Timaru	1,043	1,133	1,616	2,247
Ashburton	806	1,040	1,306	1,402
Oamaru	..	269	581	869
Hororata	63	177	239	264
Point	19	21	19	21
Total substations (66 kv.)	13,601	15,512	19,313	21,772
City Council	7,244	7,978	10,102*	11,624*
Tramways	2,880	2,860	2,720	2,810
Average load (kilowatts)—				
Power-house	7,916	9,000	10,710	12,370
Substations (66 kv.)	6,303	8,200	9,780	11,120
City Council	3,357	3,760	4,480*	5,140*
Tramways	972	980	1,020	986
Units output—				
Power-house	68,860,614	78,342,797	93,853,759	108,011,955
Fed to village, tunnel, and intake	1,664,917	741,462	757,678	1,422,898
Fed to transmission-lines	65,491,130	76,941,870	93,096,081	106,589,057
Substations (66 kv.)	61,167,881	71,791,696	85,969,069	97,765,686
Units distributed—				
City Council (sold)	29,126,211	32,935,247	39,390,350*	45,058,656*
Tramways (sold)	8,511,530	8,583,270	8,993,650	8,648,400
Wholesale consumers and local bodies (sold)	22,988,931	27,829,050	34,912,744	42,195,004
Retail consumers (sold)	41,453	23,699	20,844	24,147
Substations and power-house local consumption unsold	284,764	1,516,395	1,453,130	2,118,757
Total units distributed	60,952,889	70,887,661	84,770,718	98,044,964
Losses—				
Transmission-line losses	4,323,249	5,150,174	7,127,012	8,823,371
Percentage	6.270	6.7	7.65	8.28
Distribution losses	1,342,454	1,645,497	1,956,029	1,143,620
Percentage	2.20	2.2	2.3	1.15
Average load-factor (per cent.)—				
Power-house	54.8	53.4	51.0	50.7
Substations (66 kv.)	54.0	52.9	50.6	51.2
City	46.3	47.2	44.4*	44.3*
Working-costs—				
Per kilowatt (power-house maximum)	£1.874	£1.820	£1.905	£1.236
Per kilowatt (substations maximum)	£1.99	£1.981	£2.074	£1.383
Per unit generated	0.094d.	0.094d.	0.102d.	0.067d.
Per unit distributed	0.106d.	0.104d.	0.113d.	0.074d.
Capital charges—				
Per kilowatt (power-house maximum)	£4.828	£5.525	£5.019	£4.368
Per kilowatt (substation maximum)	£5.129	£6.012	£5.462	£4.889
Per unit generated	0.243d.	0.286d.	0.027d.	0.236d.
Per unit distributed	0.274d.	0.323d.	0.299d.	0.261d.
Total cost—				
Per kilowatt (power-house maximum)	£6.702	£7.345	£6.924	£5.605
Per kilowatt (substation maximum)	£7.119	£7.993	£7.536	£6.273
Per unit generated	£0.337d.	0.379d.	0.372d.	0.303d.
Per unit distributed	0.381d.	0.419d.	0.412d.	0.334d.
Revenue (total revenue)—				
Per kilowatt (power-house maximum)	£8.548	£8 900	£8.141	£7.672
Per kilowatt (substation maximum)	£9.081	£9.685	£8.860	£8.587
Per unit generated	0.430d.	0.460d.	0.437d.	0.416d.
Per unit distributed	0.486d.	0.509d.	0.484d.	0.457d.
Per unit sold (city)	0.415d.	0.469d.	0.414d.	0.375d.
Per unit sold (trams)	0.285d.	0.450d.	0.450d.	0.449d.
Per unit sold (wholesale consumers)	0.629d.	0.581d.	0.575d.	0.556d.
Per unit sold (retail consumers)	1.528d.	2.724d.	1.889d.	1.441d.

* Excludes Woolston.