

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

Results of Operation.	Fourteenth Year, 1929.	Fifteenth Year, 1930.	Sixteenth Year, 1931.	Seventeenth Year, 1932.
	£	£	£	£
Capital outlay	1,581,262	1,622,199	1,712,555	1,802,497
Costs—				
Working-costs	30,130	36,808	57,033*	37,245†
Interest	76,612	76,354	77,226	73,485
Depreciation, 2 per cent.	29,847	15,315	13,290	12,500
Total costs	136,589	128,477	147,549	123,230
Accumulated Depreciation Reserve	192,359	188,294	197,627	211,752
Accumulated General Reserve	..	44,388	97,345	174,249‡
Sinking Fund Reserve	115,770	144,557	168,464	193,865§
Revenue—				
City Council	70,344	70,169	88,814	82,909
Tramways	16,215	16,435	9,121	13,881
Wholesale consumers	97,817	107,677	117,376	119,556
Miscellaneous	2,442	2,317	2,279	1,814
Retail consumers	145	50	42	36
Total revenue	186,963	196,648	217,632	218,196
Maximum load (kilowatts)—				
Power-house	24,370	27,540	30,800	30,340
Lyttelton Diesel Station	..	..	..	4,480
System	24,370	27,540	30,800	30,340
Substations—				
Addington	17,610	20,792	23,582	22,568
Timaru	2,247	2,395	2,685	2,745
Ashburton	1,402	1,370	1,450	1,410
Oamaru	869	1,061	1,392	1,440
Hororata	264	275	289	265
Point	21	37	32	34
Waitaki Hydro	..	..	..	592
Glenavy	..	..	..	15
Total substations (66 kv. and 110 kv.)	21,772	25,574	29,275	28,398
Christchurch City Council	11,624	12,944	15,145	15,125
Average load (kilowatts)—				
Power-house	12,370	14,210	13,790	14,775
Lyttelton Diesel Station	..	..	..	1,420
System	12,370	14,210	13,790	14,850
Substations (66 kv. and 110 kv.)	11,120	13,120	13,150	13,880
Christchurch City Council	5,140	6,060	5,960	6,251
Units output (kilowatts)—				
Power-house	108,011,955	124,375,245	120,687,377	129,627,220
Lyttelton Diesel Station	..	..	..	652,587
Units purchased (Christchurch Tramway Board)	..	..	1,729,441	282,736
System	108,011,955	124,375,245	122,416,818	130,562,543
Substations (66 kv. and 110 kv.)	97,765,686	114,971,933	113,393,072	121,937,831
Units distributed—				
Christchurch City Council (sold)	45,058,656	54,124,965	52,325,987	54,934,719
Tramways (sold)	8,648,400	8,764,860	4,864,657	7,403,266
Wholesale consumers and local bodies (sold)	42,195,004	49,706,308	54,760,271	57,198,357
Retail consumers (sold)	24,147	4,817	2,965	2,619
Power-house and substations local consumption (unsold)	2,118,757	2,569,583	2,316,735	2,017,339
Total units distributed	98,044,964	115,170,533	114,270,615	121,556,300¶
Losses—				
Transmission-line losses	8,823,371	7,888,536	5,972,483	7,262,072
Percentage	8.28	6.42	5.0	5.65
Distribution losses	1,143,620	1,316,176	1,173,720	1,744,171
Percentage	1.15	1.14	1.865	1.415
Average load-factor (per cent)—				
Power-house	50.7	51.6	44.8	48.7
Lyttelton Diesel Station	..	..	..	31.6
System	50.7	51.6	44.8	49.0
Substations (66 kv. and 110 kv.)	51.2	51.4	44.9	48.8
Christchurch City Council	44.3	46.7	39.3	41.5
Working-costs—				
Per kilowatt (system maximum)	£1.236	£1.338	£1.85	£1.23
Per unit generated and purchased	0.067d.	0.070d.	0.112d.	0.068d.
Per unit sold¶	0.074d.	0.077d.	0.120d.	0.075d.
Capital charges (interest plus depreciation)**—				
Per kilowatt (system maximum)	£4.368	£3.326	£2.94	£2.83
Per unit generated and purchased	0.236d.	0.18d.	0.178d.	0.158d.
Per unit sold¶	0.261d.	0.19d.	0.190d.	0.173d.
Total cost—				
Per kilowatt (system maximum)	£5.605	£4.664	£4.79	£4.06
Per unit generated and purchased	0.303d.	0.250d.	0.289d.	0.227d.
Per unit sold¶	0.334d.	0.267d.	0.309d.	0.248d.
Revenue—				
Per kilowatt (system maximum)	£7.672	£7.262	£7.060	£7.19
Per unit generated and purchased	0.416d.	0.39d.	0.427d.	0.401d.
Per unit sold	0.457d.	0.42d.	0.457d.	0.432d.
Per unit sold (city)	0.375d.	0.33d.	0.408d.	0.362d.
Per unit sold (trams)	0.449d.	0.45d.	0.450d.	0.450d.
Per unit sold (wholesale consumers)	0.556d.	0.52d.	0.515d.	0.500d.
Per unit sold (retail consumers)	1.441d.	2.49d.	3.400d.	3.310d.

* Includes £21,170 for power purchased. † Includes £2,802 for power purchased. ‡ Payment into fund for year ended 31st March, 1932, £76,904. § Payment into fund for year ended 31st March, 1932, £18,062. ¶ Excludes Woolston Borough Council. ** Table XXVIII computed on interest plus Sinking Fund.