

TABLE IX.—WAIKATO ELECTRIC-POWER SUPPLY.

|                                                                                    | Eighth Year.<br>March, 1928. | Ninth Year.<br>March, 1929. | Tenth Year.<br>March, 1930. | Eleventh Year<br>March, 1931. |
|------------------------------------------------------------------------------------|------------------------------|-----------------------------|-----------------------------|-------------------------------|
| Capital outlay—                                                                    | £                            | £                           | £                           | £                             |
| Horahora—Assets in operation .. .. .                                               | 609,228                      | 617,725                     | 624,117                     | ..                            |
| Arapuni—Assets in operation .. .. .                                                | 363,945                      | 524,621                     | 2,705,894                   | ..                            |
| Total assets in operation .. .. .                                                  | 973,173                      | 1,142,346                   | 3,330,011                   | 1,286,667                     |
| Assets not in operation .. .. .                                                    | ..                           | ..                          | 330,416                     | 2,652,455                     |
| Costs—                                                                             |                              |                             |                             |                               |
| Working-costs .. .. .                                                              | 46,568                       | 76,231                      | 62,702                      | 101,889                       |
| Interest .. .. .                                                                   | 44,190                       | 53,044                      | 135,622                     | 85,389                        |
| Depreciation .. .. .                                                               | 18,646                       | 21,527                      | 60,127                      | 33,009                        |
| Sinking Fund .. .. .                                                               | 9,732                        | ..                          | ..                          | ..                            |
| Total costs .. .. .                                                                | 119,136                      | 150,802                     | 258,451                     | 220,287                       |
| Revenue .. .. .                                                                    | 125,312                      | 135,511                     | 225,683                     | 184,593                       |
| Profit .. .. .                                                                     | 6,176                        | Dr. 15,291                  | Dr. 32,768                  | Dr. 35,694                    |
| Accumulated surplus .. .. .                                                        | 53,845                       | 32,415                      | Dr. 2,618                   | Dr. 38,312                    |
| Accumulated Depreciation Fund .. .. .                                              | 84,272                       | 103,187                     | 165,758                     | 187,574                       |
| Accumulated Sinking Fund .. .. .                                                   | 49,847                       | 52,164                      | 54,445                      | ..                            |
| Maximum load (kilowatts)—                                                          |                              |                             |                             |                               |
| System for year .. .. .                                                            | 15,700                       | 15,900                      | 41,520                      | 49,520                        |
| Arapuni Power-station for year .. .. .                                             | ..                           | ..                          | 33,900                      | 38,400                        |
| Horahora Power-station for year .. .. .                                            | 12,400                       | 10,300                      | 10,200                      | 11,300                        |
| Arapuni Power-station, average weekly .. .. .                                      | ..                           | ..                          | 24,731                      | 35,927                        |
| Horahora Power-station, average weekly .. .. .                                     | 11,370                       | 9,702                       | 7,752                       | 9,804                         |
| Units output—                                                                      |                              |                             |                             |                               |
| Arapuni Power-station, total generated .. .. .                                     | ..                           | ..                          | 121,084,986                 | 40,898,950                    |
| Horahora Power-station, total generated .. .. .                                    | 88,703,370                   | 79,298,740                  | 56,648,365                  | 80,075,210                    |
| Grand Junction, total generated .. .. .                                            | ..                           | 5,846,740                   | 2,682,100                   | 6,368,600                     |
| Diesel plant, total generated .. .. .                                              | ..                           | 7,070,912                   | 2,608,248                   | 7,524,620                     |
| Units purchased (McLaren's Falls, Auckland Power Board, and dairy factory) .. .. . | 11,372,298                   | 12,776,370                  | 7,706,548                   | 8,226,397*                    |
| Total units generated and purchased .. .. .                                        | 100,075,668                  | 104,992,762                 | 190,710,247                 | 143,093,777                   |
| (1) Units used for station auxiliaries, &c. .. .. .                                | 2,145,290                    | 1,348,175                   | 2,478,395                   | 2,070,723                     |
| (2) Units available for outgoing lines .. .. .                                     | 97,930,378                   | 103,644,587                 | 188,231,852                 | 141,023,054                   |
| (3) Units sold .. .. .                                                             | 87,852,067                   | 92,707,271                  | 173,003,373                 | 131,013,550                   |
| (4) Total losses .. .. .                                                           | 10,078,311                   | 10,937,316                  | 15,228,479                  | 10,009,504                    |
| (5) Percentage of units available .. .. .                                          | 10.29                        | 10.58                       | 8.1                         | 7.09                          |
| Units sold .. .. .                                                                 | 87,852,067                   | 92,707,271                  | 173,003,373                 | 131,013,550                   |
| Load-factor, annual (per cent.)—                                                   |                              |                             |                             |                               |
| System .. .. .                                                                     | 72.8                         | 75.5                        | 54.1                        | 32.9                          |
| Power-house—                                                                       |                              |                             |                             |                               |
| Arapuni .. .. .                                                                    | ..                           | ..                          | 40.8                        | 60.9                          |
| Horahora .. .. .                                                                   | 81.7                         | 87.8                        | 63.4                        | 80.9                          |
| Load-factor, average weekly—                                                       |                              |                             |                             |                               |
| Power-house—                                                                       |                              |                             |                             |                               |
| Arapuni .. .. .                                                                    | ..                           | ..                          | 55.9                        | 65.1                          |
| Horahora .. .. .                                                                   | 88.2                         | 93.2                        | 83.5                        | 93.1                          |
| Working-costs .. .. .                                                              | (£46,568)                    | (£76,231)                   | (£62,702)                   | (£101,889) †                  |
| Per kilowatt (system annual maximum) .. .. .                                       | £2.96                        | £4.79                       | £1.51                       | £2.06                         |
| Per unit generated and purchased .. .. .                                           | 0.112d.                      | 0.174d.                     | 0.079d.                     | 0.171d.                       |
| Per unit sold .. .. .                                                              | 0.127d.                      | 0.197d.                     | 0.087d.                     | 0.187d.                       |
| Capital costs .. .. .                                                              | (£62,836)                    | (£74,571)                   | (£195,749)                  | (£118,398)                    |
| Per kilowatt (system annual maximum) .. .. .                                       | £4.00                        | £4.70                       | £4.71                       | £2.39                         |
| Per unit generated and purchased .. .. .                                           | 0.151d.                      | 0.171d.                     | 0.246d.                     | 0.199d.                       |
| Per unit sold .. .. .                                                              | 0.172d.                      | 0.194d.                     | 0.261d.                     | 0.217d.                       |
| Total costs on system .. .. .                                                      | (£109,404)                   | (£150,802)                  | (£258,451)                  | (£220,287)                    |
| Per kilowatt (system annual maximum) .. .. .                                       | £6.96                        | £9.49                       | £6.22                       | £4.45                         |
| Per unit generated and purchased .. .. .                                           | 0.263d.                      | 0.345d.                     | 0.325d.                     | 0.369d.                       |
| Per unit sold .. .. .                                                              | 0.299d.                      | 0.391d.                     | 0.348d.                     | 0.403d.                       |
| Revenue .. .. .                                                                    | (£125,312)                   | (£135,511)                  | (£225,683)                  | (£184,593)                    |
| Per kilowatt (system annual maximum) .. .. .                                       | £7.98                        | £8.53                       | £5.42                       | £3.73                         |
| Per unit generated and purchased .. .. .                                           | 0.305d.                      | 0.31d.                      | 0.284d.                     | 0.310d.                       |
| Per unit sold .. .. .                                                              | 0.342d.                      | 0.351d.                     | 0.313d.                     | 0.338d.                       |

\* Includes 61,960 units supplied by King's Wharf Station while No. 1 unit at Arapuni was out of service.  
† NOTE.—Capital costs do not include Sinking Fund.