

ANNUAL STATISTICS IN RELATION TO HYDRO-ELECTRIC DEVELOPMENT AND OPERATION YEAR ENDED 31st MARCH, 1948

GENERAL MANAGER'S REPORT

For full text of the above report, refer to State Hydro-electric Statement, 1948, Appendix A, pages 5 to 37 inclusive.

The statistics and information usually compiled under the headings "Local Electrical Supply Systems," "Broken Wires and Poles," "Growth of Load," "Electrical Accidents," and "Electrical Fires" have been condensed and summarized as follows:—

A.—Condensed Statistics, 1947-48.

| | | 1948 | 1947 | Increase or Decrease |
|---|-------|------------|------------|-------------------------|
| (a) Installed generating-capacity (main stations) ... | kW. | 509,246 | 455,925 | + 53,321 |
| (b) Installed generating-capacity (standby) ... | kW. | 93,625 | 95,280 | — 1,655 |
| (c) Total connected load (excluding bulk supply) ... | kW | 3,781,337 | 3,399,258 | + 382,079 |
| (d) Consumers ... | No | 511,699 | 493,112 | + 18,587 |
| (e) Units sold per capita ... | No. | 1,130 | 1,133 | — 3 |
| (f) Units sold per consumer ... | No. | 3,978 | 4,051 | — 73 |
| (g) Route-miles of main, distribution and service lines ... | R.M. | 34,044 | 31,419** | + 2,625 |
| (h) Consumers per route-mile of line (including service lines) ... | No. | 15.03 | 15.69 | — 0.66 |
| (i) Sales (retail) per route-mile of line (including service lines) ... | Units | 59,796 | 63,588** | — 3,792 |
| (j) Miles of conductor in service (including service lines) ... | Miles | 145,993* | 141,778* | + 3,849 |
| (k) Broken poles reported ... | No. | 260 | 401 | — 141 |
| (l) Broken wires reported ... | No | 3,759 | 5,345 | — 1,586 |
| (m) Electrical fires reported ... | No | 35 | 27 | + 8 |
| (n) Electrical accidents reported ... | No. | 57 | 43 | + 14 |
| | | (15 fatal) | (16 fatal) | |
| (o) Electric-ranges installed ... | No. | 180,936 | 161,635 | + 19,301 |
| (p) Electric water-heaters installed ... | No. | 212,482 | 193,319 | + 19,163 |
| (q) Electric milking-machines installed ... | No. | 35,637 | 34,857 | + 830 |

*No return received from Christchurch City Council
**Excluding service lines.

B.—Summarized Results of Operations for the Year ended 31st March, 1948.

| Item | | Water | Steam | Gas | Oil | Total |
|--|-----|---------------|-------------|-----|------------|---------------|
| 1. Number of main stations ... | No. | 22 | ... | ... | 3 | 25 |
| 2. Installed capacity (main plant) ... | kW. | 508,909 | ... | ... | 337 | 509,246 |
| 3. Number of standby plants ... | No. | 19 | 7 | 2 | 19 | 47 |
| 4. Installed capacity (standby plant) ... | kW. | 8,414 | 66,137 | 891 | 18,183 | 93,625 |
| 5. Units generated ... | No. | 2,479,159,349 | 101,161,770 | ... | 19,061,294 | 2,599,382,413 |
| 6. Units sold to consumers ... | | | | | | 2,035,701,150 |
| 7. Percentage of non-productive units ... | | | | | | 21.69% |
| 8. Number of consumers ... | | | | | | 511,699 |
| 9. Connected load (excluding bulk supply) ... | | | | | | 3,781,337kW. |
| 10. Total operative capital (including distribution systems and standby plant) ... | | | | | | £66,990,532 |
| 11. Total capital per kilowatt installed (including distribution systems, &c.) ... | | | | | | £111.15 |
| 12. Annual working-costs (excluding cost of power purchased in bulk) ... | | | | | | £3,183,458 |
| 13. Annual working-cost per unit under section 6 ... | | | | | | 0.375d. |
| 14. Annual capital cost (interest, sinking fund, and depreciation) ... | | | | | | £3,096,653 |
| 15. Annual capital cost per unit under section 6 ... | | | | | | 0.365d. |
| 16. Annual capital cost as a percentage of capital ... | | | | | | 4.62% |
| 17. Total annual costs (section 12 plus section 14) ... | | | | | | £6,280,111 |
| 18. Total annual cost per unit under section 6... ... | | | | | | 0.740d. |
| 19. Total annual revenue (from retail sale of electricity) ... | | | | | | £7,032,806 |
| 20. Average revenue per unit (from sections 19 and 6) ... | | | | | | 0.829d. |
| 21. Gross revenue (excluding rates and bulk sales) ... | | | | | | £7,540,652 |
| 22. Net profit (section 21 less section 17) ... | | | | | | £1,260,541 |
| 23. Ratio of working-costs to gross revenue (section 12 and section 21) ... | | | | | | 42.22% |

Tables

For reasons of economy in paper, the usual number of tables is not being published for the year ended 31st March, 1948, Tables VI, VII, VIII, XII, XV, and XVI being omitted. Tables IV and V have been incorporated in Table XI.

This edition contains:—

| | |
|--|--|
| Table I.—Government System: Capital Outlay and Results of Operation. | Table XI.—Financial Results of Operation, &c |
| Table II.—Government System: Analysis of Capital Outlay. | Table XIII.—Averages derived from Tables IX, X, and XI. |
| Table III.—Government System: Working-costs. | Table XIV.—Populations, Consumers, Ranges, Water-heaters, and Milking-machines |
| Table IX.—Generating Plants, Voltages, Route-miles of Lines, &c. | Table XVII.—Electric Wiremen's Registration Board Statistics. |
| Table X.—Results of Generation, Distribution, &c. | |

TABLE I.—SUMMARY OF FINANCIAL AND OPERATING STATISTICS FOR GOVERNMENT ELECTRIC-POWER FOR THE YEAR ENDED 31ST MARCH, 1948.

NOTE—"North Island" includes Arapuni, Karapiro, Mangahao, and Waikaremoana main stations and H Wharf, and Penrose standby stations, all interconnected. "South Island" includes Coleridge, Waitaki, Mori (Kaimata), and Highbank main stations and Dobson standby station, all interconnected; also Cobb main station, not interconnected.

A.—Financial.

| | | | |
|-------------------------|---|------------|---|
| Capital outlay— | | | |
| Assets in operation | £ | 28,412,263 | Net profit for year |
| Assets not in operation | | 10,639,567 | Transfer from Interest Reserve |
| Total capital outlay | | 39,051,830 | Accumulated loss |
| Revenue for year | | 3,258,402 | Profits available |
| Working costs | | 1,459,321 | Allocation of profits— |
| Capital charges— | | | Taxation |
| Interest | | 1,072,256 | Balance to Loan Redemption Fund |
| Depreciation | | 263,054 | Reserve Fund |
| Total | | 1,335,310 | Total |
| Total costs for year | | 2,794,631 | Balances at end of year— |
| | | | Depreciation Reserve |
| | | | Loans Redemption Fund |
| | | | Reserve Fund |
| | | | Arrears of appropriation to Loans Redemption Fund |

B.—Operating Results.

| | | | |
|---|-------------|---------------|--|
| Maximum load (kilowatts)— | | 1947-48 | |
| North Island | | 343,900 | Revenue— |
| South Island | | 144,095 | Per kilowatt (total maximum load) |
| Total maximum load | | *487,995 | Per unit output |
| Average load (kilowatts)— | | | Per unit distributed |
| North Island | | 196,078 | Per unit sold |
| South Island | | 84,769 | |
| Average load factor— | | per cent. | Working costs— |
| North Island | | 57.02 | Per kilowatt (total maximum load) |
| South Island | | 58.83 | Per unit output |
| Units output (generated and purchased)— | | | Per unit distributed |
| North Island | | 1,717,640,748 | Per unit sold |
| South Island | | 742,576,388 | |
| Total | | 2,460,217,136 | Capital charges— |
| Units distributed— | | | (Excluding taxation and sinking fund)— |
| Units sold— | | | Per kilowatt (total maximum load) |
| North Island | | 1,523,744,922 | Per unit output |
| South Island | | 653,072,725 | Per unit distributed |
| Total | | 2,176,817,647 | Per unit sold |
| Units unsold (used free of charge)— | | | |
| North Island | | 11,405,326 | Total costs— |
| South Island | | 6,086,680 | (Excluding taxation and sinking fund)— |
| Total | | 17,492,006 | Per kilowatt (total maximum load) |
| Total units distributed— | | | Per unit output |
| North Island | | 1,535,150,248 | Per unit distributed |
| South Island | | 659,159,405 | Per unit sold |
| Grand total | | 2,194,309,653 | |
| Line Losses— | | | |
| Transmission and distribution— | Units | Per cent. | |
| North Island | 182,490,500 | 10.62 | |
| South Island | 83,416,983 | 11.23 | |
| Total | 265,907,483 | 10.81 | |

*Arithmetical total of North and South Island maximum loads—not simultaneous maximum demand.

SIEMS
King's
Arnold
Stoke

£163,771
60,997
£24,768
£67,606
£57,162
65,760
91,402

£57,162
94,585
40,426

66,804

£47-48
£6,677
318d.
356d.
359d.

£2,990
142d.
160d.
161d.

2,736
130d
146d
147d.

5,727
273d
306d
308d

| | | |
|---|-------------|--|
| Hydro-electric stations— | | |
| Land, fencing and roading— | | |
| Arapuni | 118,406 | |
| Karapiro | 337,806 | |
| Maraetai | 313,898 | |
| Waikaremoana (Tuai) | 18,583 | |
| " (Piripaua) | 40,899 | |
| " (Kaitawa) | 19,050 | |
| Mangahao | 74,707 | |
| | 923,349 | |
| Headworks— | | |
| Arapuni | 1,300,382 | |
| Karapiro | 2,120,936 | |
| Lake Taupo Control | 186,683 | |
| Maraetai | 1,641,770 | |
| Waikaremoana (Tuai) | 200,775 | |
| " (Piripaua) | 696,648 | |
| " (Kaitawa) | 936,996 | |
| Mangahao | 947,081 | |
| | 8,031,271 | |
| Station buildings and village— | | |
| Arapuni | 517,232 | |
| Karapiro | 539,345 | |
| Waikaremoana (Tuai) | 293,935 | |
| " (Piripaua) | 97,167 | |
| " (Kaitawa) | 289,917 | |
| Mangahao | 132,350 | |
| | 1,869,946 | |
| Generating plant and machinery— | | |
| Arapuni | 1,127,069 | |
| Karapiro | 1,077,902 | |
| Maraetai | 1,030,591 | |
| Waikaremoana (Tuai) | 455,616 | |
| " (Piripaua) | 209,462 | |
| " (Kaitawa) | 469,207 | |
| Mangahao | 218,847 | |
| | 4,588,694 | |
| Fuel Stations— | | |
| King's Wharf | 355,813 | |
| Penrose | 66,522 | |
| Huntly | 11,264 | |
| | 433,599 | |
| Transmission and distribution— | | |
| Primary distribution— | | |
| 11kV. lines | 73,690 | |
| 33kV. lines | — | |
| 50kV. lines | 540,462 | |
| 66kV. lines | — | |
| 110kV. lines | 3,025,335 | |
| 220kV. lines | 205,986 | |
| Secondary distribution | — | |
| | 3,845,473 | |
| Substations— | | |
| 11kV. substations | 18,743 | |
| 33kV. substations | — | |
| 50kV. substations | 784,345 | |
| 66kV. substations | — | |
| 110kV. substations | 2,531,422 | |
| 220kV. substations | 1,057,769 | |
| | 4,392,279 | |
| Communications— | | |
| General— | | |
| Offices, stores, land and buildings | 237,621 | |
| Surveys and investigations of other schemes | 189,940 | |
| Cost of raising loans | 332,432 | |
| Interest capitalised during construction | 1,904,873 | |
| | 2,664,866 | |
| Grand totals | £27,068,297 | |

| | | | |
|---|-------------|-------------|--|
| Hydro-electric stations— | | | |
| Land, fencing and roading— | | | |
| Cobb River | 60,390 | | |
| Lake Coleridge | 25,841 | | |
| Waitaki | 48,441 | | |
| Arnold | 1,830 | | |
| Highbank | 14,674 | | |
| Monowai | 12,226 | | |
| Roxburgh | 103,553 | | |
| | 266,955 | 1,190,304 | |
| Headworks— | | | |
| Cobb River | 727,944 | | |
| Lake Coleridge | 551,160 | | |
| Waitaki | 1,095,212 | | |
| Lake Tekapo | 1,066,355 | | |
| Lake Pukaki | 552,857 | | |
| Arnold | 108,153 | | |
| Highbank | 231,236 | | |
| Monowai | 86,660 | | |
| | 4,419,577 | 12,450,848 | |
| Station buildings and village— | | | |
| Cobb River | 68,931 | | |
| Lake Coleridge | 104,451 | | |
| Waitaki | 469,882 | | |
| Arnold | 10,767 | | |
| Highbank | 93,229 | | |
| Monowai | 48,345 | | |
| | 795,605 | 2,665,551 | |
| Generating plant and machinery— | | | |
| Cobb River | 82,644 | | |
| Lake Coleridge | 257,793 | | |
| Waitaki | 495,735 | | |
| Arnold | 26,851 | | |
| Highbank | 171,832 | | |
| Monowai | 60,051 | | |
| | 1,094,906 | 5,683,600 | |
| Fuel stations— | | | |
| Stoke | 20,046 | | |
| Dobson | 176,865 | | |
| | 196,911 | 630,510 | |
| Transmission and distribution— | | | |
| Primary distribution— | | | |
| 11kV. lines | 649,701 | | |
| 33kV. lines | 64,158 | | |
| 50kV. lines | — | | |
| 66kV. lines | 770,064 | | |
| 110kV. lines | 492,781 | | |
| 220kV. lines | 179 | | |
| Secondary distribution | 395,948 | | |
| | 2,372,831 | 6,218,304 | |
| Substations— | | | |
| 11kV. substations | 8,085 | | |
| 33kV. substations | 45,890 | | |
| 50kV. substations | — | | |
| 66kV. substations | 801,022 | | |
| 110kV. substations | 441,746 | | |
| 220kV. substations | — | | |
| | 1,296,743 | 5,689,022 | |
| Communications | | | |
| General— | | | |
| Offices, stores, land and buildings | 50,052 | | |
| Surveys and investigations of other schemes | 40,949 | | |
| Cost of raising loans | 543,914 | | |
| Interest capitalised during construction | 747,059 | | |
| | 1,381,974 | 4,046,840 | |
| | £11,983,533 | £39,051,830 | |

TABLE III—GOVERNMENT OPERATING OR WORKING COSTS FOR THE YEAR ENDED 31ST MARCH, 1948.

| | Cost | Cost per unit | | |
|---|-----------|---------------|-------------|--------|
| | | Generated | Distributed | Sold |
| (a) Hydro-electric stations | £ 197,946 | d. 0.0207 | | |
| (b) Fuel stations | 225,397 | 1.0945 | | |
| (c) Auxiliary stations, power purchased and standby provision | 383,371 | 0.8292 | | |
| Generated and purchased | 806,714 | 0.0787 | 0.0882 | 0.0889 |
| (d) Transmission | 76,961 | 0.0075 | 0.0084 | 0.0085 |
| (e) Communications | 15,568 | 0.0015 | 0.0017 | 0.0017 |
| (f) Substations | 128,149 | 0.0125 | 0.0140 | 0.0141 |
| (g) Distribution | 33,727 | 0.0033 | 0.0037 | 0.0037 |
| (h) System operation | 55,700 | 0.0055 | 0.0061 | 0.0062 |
| (i) Administration costs and expenses | 342,502 | 0.0334 | 0.0375 | 0.0378 |
| | 1,459,321 | 0.1424 | 0.1596 | 0.1609 |

North Island South Island Total

| Supply Authorities | Source of Supply | Year when Supply commenced | Capacity of Generating Plant | | | | | | Static Head, in Feet | Voltage | | | | Distribution Transformers | | Route Miles of Lines | | |
|--|------------------|----------------------------|------------------------------|--------|-------|------------|---------------|----------------|----------------------|------------|--------------|----------------------|------------------------|---------------------------|--------|----------------------|--------|--------|
| | | | Water | Steam | Oil | Main Plant | Standby Plant | Total Capacity | | Generation | Transmission | Primary Distribution | Secondary Distribution | Number | Total | | | |
| 5. Otago Central | ... | ... | 2,770 | 2,770 | 3,463 | 2,770 | 3,463 | ... | 957 610 410 | ... | ... | ... | ... | ... | ... | ... | ... | |
| (For notes see page 6) | | | | | | | | | | | | | | | | | | |
| TABLE IX.—STATISTICS OF GENERATING-PLANTS, SYSTEM VOLTAGE, ROUTE-MILES OF LINES, TRANSFORMERS, &C., FOR THE YEAR ENDED 31ST MARCH, 1948.—continued. | | | | | | | | | | | | | | | | | | |
| POWER BOARDS—Continued | | | | | | | | | | | | | | | | | | |
| Poverty Bay | G.N. | 1912 | kW. | ... | ... | ... | kVA. | 850 | kVA. | 850 | kW. | 980 | kVA. | 850 | kW. | 980 | kVA. | 850 |
| South Canterbury | G.S. | 1925 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South Taranaki | G.N. | 1929 | 550 | ... | 480 | ... | 1,302 | 1,302 | 1,302 | 1,302 | 1,042 | 1,042 | 1,302 | 1,302 | 1,042 | 1,042 | 1,302 | 1,302 |
| Spring-Ellesmere | G.S. | 1922 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Taranaki | G.N. | 1927 | 4,800 | ... | ... | 4,800 | 5,400 | 5,400 | 5,400 | 5,400 | 4,800 | 4,800 | 5,400 | 5,400 | 4,800 | 4,800 | 5,400 | 5,400 |
| Tararua | G.N. | 1925 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Tauranga | G.N. | 1926 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Te Awamutu | G.N. | 1921 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Teviot | I. | 1924 | 750 | ... | ... | 750 | 1,005 | 1,005 | 1,005 | 1,005 | 750 | 750 | 1,005 | 1,005 | 750 | 750 | 1,005 | 1,005 |
| Thames Valley | G.N. | 1921 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Wairarapa | G.S. | 1923 | 250 | 250 | ... | ... | ... | ... | ... | ... | 250 | 250 | ... | ... | ... | ... | ... | ... |
| Waikare | I. | 1925 | 024 | ... | 200 | 024 | 780 | 780 | 780 | 780 | 200 | 200 | 780 | 780 | 200 | 200 | 780 | 780 |
| Waioa | G.N. | 1923 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Waikati | G.S. | 1929 | 120 | ... | 190 | ... | ... | ... | ... | ... | 310 | 310 | 390 | 390 | 310 | 310 | 390 | 390 |
| Waitemata | G.N. | 1926 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Waitema | G.N. | 1925 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Wanganui-Rangitikei | G.N. | 1924 | ... | ... | ... | ... | ... | ... | ... | ... | 1,500 | 1,500 | 1,875 | 1,875 | 1,500 | 1,500 | 1,875 | 1,875 |
| Totals | ... | ... | 12,504 | 1,687 | 4,180 | 8,044 | 10,048 | 11,432 | 18,380 | 22,080 | ... | ... | ... | ... | 19,768 | 549,718 | 23,761 | ... |
| OTHER LOCAL AUTHORITIES— | | | | | | | | | | | | | | | | | | |
| Christchurch | G.S. | 1903 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Dunedin | I. & G.S. | 1907 | 24,400 | 1,875 | 800 | 24,400 | 30,500 | 30,500 | 30,500 | 30,500 | 800 | 800 | 30,500 | 30,500 | 800 | 800 | 30,500 | 30,500 |
| Hamilton | G.N. | 1913 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Invercargill | G.S. | 1914 | ... | ... | ... | ... | ... | ... | ... | ... | 1,525 | 1,525 | 1,850 | 1,850 | 1,525 | 1,525 | 1,850 | 1,850 |
| Nelson | B. | 1923 | ... | ... | ... | ... | ... | ... | ... | ... | 1,250 | 1,250 | 1,561 | 1,561 | 1,250 | 1,250 | 1,561 | 1,561 |
| Palmerston North | B. | 1924 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Wellington | G.N. | 1888 | ... | ... | ... | ... | ... | ... | ... | ... | 25,000 | 25,000 | 31,000 | 31,000 | 25,000 | 25,000 | 31,000 | 31,000 |
| Totals | ... | ... | 24,400 | 29,650 | 3,070 | 24,400 | 30,500 | 41,131 | 57,726 | 71,031 | ... | ... | ... | ... | 1,035 | 241,281 | 2,872 | ... |
| Borough Councils | | | | | | | | | | | | | | | | | | |
| Bluff | G.S. | 1903 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Inglewood | B. | 1905 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Kaipoi | B. | 1917 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lytelton | G.S. | 1917 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Napier | B. | 1913 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| New Plymouth | G.N. | 1906 | 3,750 | ... | ... | ... | ... | ... | ... | ... | 3,750 | 3,750 | 4,500 | 4,500 | 3,750 | 3,750 | 4,500 | 4,500 |
| Ohaione | G.N. | 1914 | 90 | ... | 112 | ... | ... | ... | ... | ... | 208 | 208 | 261 | 261 | 208 | 208 | 261 | 261 |
| Patea | B. | 1901 | 88 | ... | ... | ... | ... | ... | ... | ... | 88 | 88 | 110 | 110 | 88 | 88 | 110 | 110 |
| Pictou | I. | 1917 | 16 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Raetihi | I. | 1917 | 378 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Totals | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

TABLE IX.—STATISTICS OF GENERATING-PLANTS, SYSTEM VOLTAGE, ROUTE-MILES OF LINES, TRANSFORMERS, &c., FOR THE YEAR ENDED 31ST MARCH, 1948—continued.

| Supply Authorities | Source of Supply | Year when Supply commenced | Capacity of Generating Plant | | | | | | Static Head, in Feet | Voltage | | | | Distribution Transformers | | Route Miles of Lines | | | |
|---|------------------|----------------------------|------------------------------|--------|-------|------------|--------|---------------|----------------------|----------------|------------|--------------|----------------------|---------------------------|------------------------|----------------------|--------|-------|------|
| | | | Water | Steam | Oil | Main Plant | | Standby Plant | | Total Capacity | Generation | Transmission | Primary Distribution | | Secondary Distribution | | Number | Total | |
| | | | | | | kW. | kVA. | kW. | | | | | kVA. | kW. | | | | | kVA. |
| LOCAL AUTHORITIES—cont. | | | | | | | | | | | | | | | | | | | |
| ough Councils—continued. | | | | | | | | | | | | | | | | | | | |
| 59 | G.S. | 1910 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| orua Electric Supply... | G.N. | 1901 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| ttford ... | B. | 1908 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| hape ... | B. | 1913 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| umarunui ... | G.N. | 1924 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| iranga ... | I. & G.N. | 1915 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Aroha ... | B. | 1906 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Pukekohe ... | B. | 1914 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| imes ... | B. | 1908 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| iaru ... | B. | 1913 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| iroa ... | B. | 1917 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| itara ... | I. & B. | 1925 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| stport ... | B. | 1922 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| akatane ... | B. | 1915 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| angarewa ... | B. | 1915 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Totals ... | | | 8,774 | 4,005 | 804 | 5,045 | 6,605 | 11,710 | 9,698 | 11,710 | ... | ... | ... | ... | 1,047 | 71,562 | 1,303 | | |
| Town Boards | | | | | | | | | | | | | | | | | | | |
| onga ... | B. | 1916 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| ngaweka ... | B. | 1913 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Totals ... | | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| County Councils | | | | | | | | | | | | | | | | | | | |
| athcote ... | G.S. | 1914 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| ikoura ... | I. | 1922 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| rchison ... | I. | 1922 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| wa ... | I. | 1925 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Totals ... | | | 80 | 272 | 272 | 352 | 100 | 452 | 352 | 452 | ... | ... | ... | ... | ... | ... | ... | | |
| Totals, other local authorities | | | 33,254 | 28,737 | 4,812 | 35,807 | 47,800 | 83,783 | 67,710 | 83,783 | ... | ... | ... | ... | 3,073 | 315,767 | 4,201 | | |
| COMPANIES | | | | | | | | | | | | | | | | | | | |
| neri Electric, Ltd. ... | I. | 1921 | 1,500 | 1,095 | 150 | 187 | 187 | 2,137 | 1,710 | 2,137 | ... | ... | ... | ... | ... | ... | ... | | |
| Keys, Kōhukohu ... | I. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| ison's (N.Z.) Portland Cement, Ltd. ... | I. & G.N. | 1916 | 3,000 | 3,750 | ... | ... | ... | 3,750 | 3,000 | 3,750 | ... | ... | ... | ... | ... | ... | ... | | |
| Stand Power, Ltd. ... | I. & G.S. | 1928 | 845 | 920 | ... | ... | ... | 920 | 845 | 920 | ... | ... | ... | ... | ... | ... | ... | | |
| Totals ... | | | 5,405 | 6,600 | 150 | 187 | 187 | 6,810 | 5,555 | 6,810 | ... | ... | ... | ... | 114 | 4,687 | 153 | | |

Board 2/2/48. 5 Not activity functioning. 6 No return received. 7 Excessively soiled. 8 Standby charges. 9 Purchased. 10 Feed back. 11 Generated. 12 Standby charges.

TABLE XIII.—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31ST MARCH, 1948.

| Supply Authorities | Capital Outlay | | | | Revenue from Sale of Electricity | | | | Working-costs | | | Capital Charges | | | Total Costs | | | |
|---------------------------------|------------------------|--------------|-------------------|---|--------------------------------------|----------------------------|------------------------|---------------------|----------------------------|------------------------|---------------|----------------------------|---------------|----------------------------|---------------|----------------------------|----------------------------------|-------|
| | Per Head of Population | Per Consumer | Per £1 of Revenue | Per unit sold (Overall, including Bulk Sales) | Per unit sold (excluding Bulk Sales) | Per Unit (Domestic Supply) | Per Head of Population | Per Retail Consumer | Per k.W. of Maximum Demand | Per Route-mile of Line | Per Unit sold | Per k.W. of Maximum Demand | Per Unit sold | Per Cent of Capital Outlay | Per Unit sold | Per k.W. of Maximum Demand | Per Cent of Distribution Capital | No. |
| | | | | | | | | | | | | | | | | | | |
| STATE HYDRO-ELECTRIC DEPARTMENT | | | | | | | | | | | | | | | | | | |
| 1. Ashburton | 26.17 | 93.45 | 5.79 | 0.860 | 0.800 | 0.708 | 4.72 | 16.14 | 17.65 | 78.57 | 0.568 | 11.65 | 0.310 | 0.877 | 0.36 | 0.22 | 18.01 | 17.62 |
| 2. Auckland | 15.30 | 52.38 | 4.20 | 0.686 | 0.686 | 0.620 | 3.65 | 19.48 | 11.00 | 721.74 | 0.493 | 7.90 | 0.119 | 0.019 | 1.91 | 4.14 | 9.82 | 21.26 |
| 3. Banks Peninsula | 37.07 | 102.07 | 6.05 | 1.242 | 1.242 | 1.234 | 6.53 | 16.88 | 20.60 | 97.75 | 0.630 | 13.78 | 0.604 | 0.331 | 8.30 | 9.71 | 22.14 | 10.16 |
| 4. Bay of Islands | 14.62 | 109.89 | 6.19 | 1.256 | 1.256 | 1.319 | 9.41 | 17.70 | 21.51 | 94.99 | 0.791 | 13.55 | 0.402 | 1.193 | 6.88 | 3.77 | 20.43 | 15.54 |
| 5. Bay of Plenty | 13.76 | 84.71 | 4.12 | 0.818 | 0.927 | 0.895 | 3.44 | 18.91 | 14.97 | 173.22 | 0.732 | 13.39 | 0.212 | 0.944 | 3.59 | 6.51 | 17.28 | 28.05 |
| 6. Buller | 17.30 | 57.37 | 3.78 | 0.858 | 0.867 | 0.682 | 4.00 | 15.19 | 18.42 | 100.00 | 0.527 | 11.32 | 0.240 | 0.767 | 5.15 | 7.41 | 16.47 | 23.68 |
| 7. Cambridge | 22.84 | 93.61 | 5.30 | 1.031 | 1.031 | 0.971 | 4.41 | 17.07 | 21.80 | 116.43 | 0.670 | 14.19 | 0.361 | 0.931 | 7.06 | 6.61 | 18.92 | 18.92 |
| 8. Central Hawkes Bay | 20.88 | 76.38 | 4.59 | 0.846 | 0.846 | 0.854 | 4.50 | 16.02 | 19.38 | 157.00 | 0.563 | 12.90 | 0.248 | 0.809 | 6.69 | 8.39 | 18.58 | 20.87 |
| 9. Central Waikato | 23.72 | 83.75 | 5.94 | 1.319 | 1.319 | 1.256 | 4.14 | 14.10 | 24.68 | 129.00 | 0.752 | 14.66 | 0.580 | 0.792 | 9.91 | 6.76 | 23.98 | 16.35 |
| 10. Dannevirke | 19.89 | 77.74 | 4.29 | 0.830 | 0.831 | 0.812 | 4.70 | 18.11 | 16.93 | 136.80 | 0.572 | 11.67 | 0.250 | 0.687 | 4.49 | 5.30 | 18.48 | 23.19 |
| 11. Franklin | 18.33 | 83.40 | 5.33 | 0.967 | 0.967 | 0.900 | 5.61 | 17.64 | 18.10 | 97.49 | 0.581 | 13.36 | 0.273 | 0.687 | 5.11 | 5.30 | 14.70 | 31.40 |
| 12. Golden Bay | 15.12 | 46.91 | 2.93 | 0.875 | 0.875 | 0.810 | 3.97 | 13.90 | 14.63 | 396.60 | 0.461 | 11.91 | 0.186 | 0.747 | 3.79 | 3.69 | 13.69 | 26.68 |
| 13. Grey | 17.55 | 61.90 | 3.83 | 0.893 | 0.814 | 0.730 | 4.97 | 13.28 | 16.95 | 339.00 | 0.694 | 11.39 | 0.113 | 0.657 | 3.32 | 3.88 | 15.71 | 25.01 |
| 14. Hawkes Bay | 17.67 | 49.60 | 3.71 | 1.033 | 1.033 | 0.825 | 3.94 | 11.61 | 16.35 | 667.57 | 0.566 | 8.77 | 0.332 | 0.651 | 1.38 | 0.74 | 14.00 | 42.87 |
| 15. Horowhenua | 7.72 | 26.41 | 2.28 | 0.608 | 0.608 | 0.531 | 3.84 | 12.43 | 18.43 | 72.85 | 1.050 | 12.81 | 0.113 | 1.163 | 1.03 | 0.84 | 4.86 | 17.16 |
| 16. Hutt Valley | 11.93 | 209.16 | 16.82 | 1.517 | 1.517 | 1.401 | 9.80 | 14.40 | 27.58 | 63.67 | 1.054 | 18.37 | 0.028 | 1.431 | 10.94 | 6.72 | 20.31 | 18.01 |
| 17. King Country | 27.02 | 85.48 | 5.90 | 1.583 | 1.583 | 1.462 | 5.44 | 20.78 | 14.70 | 246.67 | 0.416 | 9.44 | 0.169 | 0.580 | 3.84 | 7.32 | 13.25 | 25.44 |
| 18. Manawatu-Oroua | 16.31 | 104.01 | 3.56 | 1.014 | 1.014 | 0.962 | 3.83 | 13.42 | 26.08 | 169.06 | 0.810 | 13.75 | 0.638 | 0.800 | 10.81 | 5.91 | 18.50 | 18.50 |
| 19. Marlborough | 25.07 | 96.94 | 7.22 | 1.571 | 1.571 | 1.250 | 4.97 | 17.71 | 18.50 | 107.63 | 0.592 | 11.48 | 0.208 | 0.720 | 6.41 | 6.20 | 17.18 | 20.93 |
| 20. North Auckland | 22.51 | 73.75 | 4.59 | 0.960 | 0.960 | 1.194 | 4.04 | 14.90 | 17.80 | 76.86 | 0.643 | 11.80 | 0.253 | 0.620 | 6.26 | 6.41 | 18.30 | 24.72 |
| 21. North Canterbury | 26.45 | 103.85 | 5.30 | 1.145 | 1.145 | 1.238 | 4.34 | 16.20 | 18.09 | 137.05 | 0.753 | 16.78 | 0.405 | 1.045 | 6.40 | 6.89 | 17.69 | 21.21 |
| 22. Otago | 10.92 | 70.20 | 5.04 | 1.571 | 1.571 | 2.192 | 3.29 | 14.52 | 25.14 | 87.96 | 1.049 | 7.28 | 0.210 | 1.045 | 9.54 | 9.02 | 16.84 | 16.84 |
| 23. Otago Central | 34.01 | 110.23 | 6.10 | 0.686 | 0.686 | 0.677 | 2.89 | 18.42 | 15.60 | 74.21 | 0.312 | 7.28 | 0.210 | 0.622 | 4.80 | 3.23 | 10.99 | 21.21 |
| 24. Poverty Bay | 15.20 | 78.95 | 5.23 | 1.077 | 1.077 | 0.973 | 3.20 | 13.42 | 14.64 | 210.62 | 0.718 | 12.90 | 0.351 | 1.000 | 3.02 | 6.22 | 16.99 | 21.21 |
| 25. South Canterbury | 18.81 | 59.53 | 3.72 | 0.833 | 0.833 | 1.389 | 3.72 | 16.76 | 13.64 | 141.02 | 0.593 | 10.44 | 0.243 | 0.839 | 4.28 | 7.80 | 14.74 | 21.15 |
| 26. South Taranaki | 17.06 | 66.65 | 3.36 | 0.887 | 0.887 | 0.824 | 4.83 | 13.68 | 15.15 | 169.05 | 0.402 | 10.61 | 0.211 | 0.795 | 3.70 | 6.71 | 14.57 | 28.12 |
| 27. Springs-Ellersmere | 10.70 | 66.65 | 3.35 | 0.875 | 0.875 | 0.860 | 5.04 | 19.69 | 14.68 | 166.05 | 0.405 | 7.73 | 0.340 | 0.754 | 6.05 | 6.58 | 18.50 | 18.50 |
| 28. Taranaki | 37.04 | 156.11 | 4.67 | 0.769 | 0.981 | 1.117 | 4.20 | 17.97 | 21.90 | 103.70 | 0.603 | 11.73 | 0.212 | 0.876 | 3.83 | 6.08 | 18.30 | 29.84 |
| 29. Taranaki | 50.93 | 80.67 | 4.07 | 1.149 | 1.149 | 1.000 | 4.04 | 17.57 | 21.90 | 99.32 | 0.603 | 13.22 | 0.220 | 0.842 | 4.94 | 4.57 | 15.77 | 15.77 |
| 30. Taranaki | 20.24 | 76.89 | 4.40 | 0.980 | 0.980 | 0.829 | 4.62 | 19.74 | 15.13 | 159.68 | 0.138 | 4.36 | 0.142 | 0.230 | 4.57 | 6.96 | 21.50 | 31.50 |
| 31. Te Awamutu | 23.17 | 98.59 | 5.12 | 0.980 | 0.980 | 0.982 | 4.60 | 19.74 | 16.00 | 116.67 | 0.138 | 4.36 | 0.142 | 0.230 | 4.57 | 6.96 | 21.50 | 31.50 |
| 32. Thames Valley | 21.32 | 78.35 | 4.54 | 0.815 | 0.815 | 0.816 | 5.30 | 14.03 | 18.84 | 418.23 | 0.515 | 11.10 | 0.257 | 0.639 | 5.21 | 6.90 | 12.30 | 28.41 |
| 33. Waikato | 16.95 | 59.59 | 3.95 | 0.785 | 0.785 | 0.894 | 3.03 | 13.10 | 16.00 | 102.93 | 0.405 | 11.49 | 0.211 | 0.639 | 5.21 | 6.90 | 12.30 | 28.41 |
| 34. Waikato | 37.96 | 154.40 | 9.78 | 0.902 | 0.902 | 0.814 | 4.21 | 23.49 | 18.59 | 54.83 | 0.360 | 8.83 | 0.261 | 0.639 | 4.35 | 6.86 | 14.40 | 27.66 |
| 35. Waikato | 15.70 | 125.16 | 3.31 | 0.775 | 0.775 | 0.711 | 4.63 | 14.89 | 14.69 | 447.39 | 0.628 | 10.63 | 0.237 | 0.709 | 6.58 | 6.86 | 15.07 | 20.39 |
| 36. Waikato | 15.70 | 125.16 | 3.31 | 0.775 | 0.775 | 0.711 | 4.63 | 14.89 | 14.69 | 447.39 | 0.628 | 10.63 | 0.237 | 0.709 | 6.58 | 6.86 | 15.07 | 20.39 |
| 37. Waikato | 15.70 | 125.16 | 3.31 | 0.775 | 0.775 | 0.711 | 4.63 | 14.89 | 14.69 | 447.39 | 0.628 | 10.63 | 0.237 | 0.709 | 6.58 | 6.86 | 15.07 | 20.39 |
| 38. Waikato | 15.70 | 125.16 | 3.31 | 0.775 | 0.775 | 0.711 | 4.63 | 14.89 | 14.69 | 447.39 | 0.628 | 10.63 | 0.237 | 0.709 | 6.58 | 6.86 | 15.07 | 20.39 |
| 39. Waikato | 15.70 | 125.16 | 3.31 | 0.775 | 0.775 | 0.711 | 4.63 | 14.89 | 14.69 | 447.39 | 0.628 | 10.63 | 0.237 | 0.709 | 6.58 | 6.86 | 15.07 | 20.39 |
| 40. Waikato | 15.70 | 125.16 | 3.31 | 0.775 | 0.775 | 0.711 | 4.63 | 14.89 | 14.69 | 447.39 | 0.628 | 10.63 | 0.237 | 0.709 | 6.58 | 6.86 | 15.07 | 20.39 |
| 41. Waikato | 15.70 | 125.16 | 3.31 | 0.775 | 0.775 | 0.711 | 4.63 | 14.89 | 14.69 | 447.39 | 0.628 | 10.63 | 0.237 | 0.709 | 6.58 | 6.86 | 15.07 | 20.39 |
| 42. Waikato | 15.70 | 125.16 | 3.31 | 0.775 | 0.775 | 0.711 | 4.63 | 14.89 | 14.69 | 447.39 | 0.628 | 10.63 | 0.237 | 0.709 | 6.58 | 6.86 | 15.07 | 20.39 |
| 43. Wanganui-Rangitikei | 18.20 | 54.50 | 4.22 | 0.982 | 0.982 | 0.880 | 3.60 | 15.71 | 16.94 | 169.03 | 0.652 | 11.24 | 0.230 | 0.801 | 4.12 | 5.77 | 15.30 | 25.34 |
| Totals | 17.20(p) | 63.47(q) | 4.25(c) | 0.820(d) | 0.894(e) | 0.894(e) | 3.94(p) | 14.27(r) | 18.94 | 190.74(f) | 0.501(g) | ... | 0.205(j) | 5.87(l) | ... | ... | 23.08(m) | ... |

(For notes see page 13)

TABLE XIII.—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31ST MARCH, 1948—continued

| Supply Authorities | Capital Outlay | | | Revenue from Sale of Electricity | | | | Working-costs | | | Capital Charges | | | Total Costs | | | No. | |
|--------------------------------|------------------------|--------------|----------------|---|---------------------------------|------------------------|---------------------|---------------------------|---------------|---------------------------|-----------------|---------------------------|---------------|---------------------------|----------------------------------|----------|-------|---------|
| | Per Head of Population | Per Consumer | Per £1 Revenue | Per unit Sold (Overall, including Bulk Sales) | Per Unit Sold (Domestic Supply) | Per Head of Population | Per Retail Consumer | Per kW. of Maximum Demand | Per Unit sold | Per kW. of Maximum Demand | Per Unit sold | Per kW. of Maximum Demand | Per Unit sold | Per kW. of Maximum Demand | Per Cent of Distribution Capital | | | |
| | | | | | | | | | | | | | | | | £(N.Z.) | | £(N.Z.) |
| OTHER LOCAL AUTHORITIES | | | | | | | | | | | | | | | | | | |
| Christchurch | 11.09 | 35.68 | 3.38 | 0.649 | 0.526 | 3.30 | 10.53 | 9.49 | 0.555 | 8.47 | 84.98 | 0.081 | 1.18 | 3.08 | 9.30 | 28.44 | 1 | |
| Dunedin | 29.82 | 80.67 | 6.30 | 0.676 | 0.486 | 3.85 | 12.78 | 8.97 | 0.458 | 6.45 | 64.45 | 0.278 | 3.70 | 6.54 | 9.36 | 33.70 | 2 | |
| Hamilton | 5.21 | 17.64 | 1.96 | 0.871 | 0.711 | 2.67 | 8.99 | 15.99 | 0.874 | 17.73 | 72.06 | 0.020 | 0.37 | 1.17 | 12.10 | 39.74 | 3 | |
| Invercargill | 8.20 | 29.60 | 2.65 | 1.152 | 0.884 | 3.18 | 9.09 | 16.48 | 0.874 | 15.51 | 68.63 | 0.175 | 1.71 | 3.00 | 14.22 | 42.32 | 4 | |
| Nelson | 13.75 | 45.97 | 3.42 | 1.167 | 0.775 | 4.08 | 13.46 | 18.15 | 0.769 | 11.32 | 63.57 | 0.100 | 2.73 | 4.40 | 14.98 | 32.85 | 5 | |
| Porirua | 13.61 | 43.03 | 3.59 | 0.917 | 0.693 | 4.00 | 11.99 | 15.92 | 0.594 | 10.32 | 63.57 | 0.134 | 1.90 | 3.63 | 12.95 | 31.10 | 6 | |
| Wellington | 12.77 | 41.46 | 3.32 | 0.778 | 0.510 | 3.90 | 12.49 | 11.53 | 0.598 | 8.80 | 81.26 | 0.134 | 1.73 | 5.20 | 10.85 | 35.65 | 7 | |
| Totals | 14.04(m) | 45.82(o) | 3.04(c) | 0.740(d) | 0.510 | 3.61(p) | 11.62(r) | ... | 0.553(g) | 76.70(v) | ... | 0.147(f) | ... | 5.03(k) | ... | 32.78(m) | ... | |
| Borough Councils | | | | | | | | | | | | | | | | | | |
| Bluff | 6.94 | 25.60 | 1.89 | 1.085 | 2.499 | 4.12 | 11.90 | 24.80 | 1.522 | 59.40 | 80.54 | 0.157 | 2.32 | 4.94 | 24.72 | 52.70 | 1 | |
| Inglwood | 8.54 | 22.69 | 1.80 | 1.952 | 1.178 | 3.97 | 13.14 | 22.51 | 0.984 | 16.30 | 72.82 | 0.217 | 3.01 | 8.85 | 20.00 | 57.36 | 2 | |
| Kaipara | 8.69 | 25.76 | 2.36 | 0.975 | 0.904 | 3.97 | 10.50 | 18.38 | 0.828 | 12.63 | 64.05 | 0.085 | 1.60 | 3.68 | 17.23 | 39.65 | 3 | |
| Napier | 8.25 | 17.80 | 1.57 | 1.083 | 0.872 | 4.12 | 12.78 | 24.63 | 1.193 | 12.73 | 89.65 | 0.175 | 2.30 | 8.14 | 18.03 | 63.78 | 4 | |
| New Plymouth | 15.08 | 50.81 | 3.51 | 0.815 | 0.686 | 4.46 | 14.49 | 16.38 | 0.648 | 12.07 | 68.63 | 0.171 | 4.41 | 5.05 | 16.41 | 66.21 | 5 | |
| Ohakune | 6.83 | 20.37 | 1.89 | 1.693 | 1.797 | 3.22 | 10.78 | 23.80 | 1.049 | 12.65 | 76.04 | 0.288 | 4.05 | 9.01 | 18.72 | 71.99 | 6 | |
| Patea | 12.01 | 39.80 | 2.68 | 1.019 | 0.966 | 4.49 | 14.90 | 17.58 | 0.801 | 13.04 | 76.04 | 0.421 | 2.60 | 5.52 | 16.54 | 46.61 | 7 | |
| Ratona | 10.39 | 32.68 | 2.02 | 3.926 | 4.373 | 5.14 | 10.17 | 49.34 | 3.881 | 18.78 | 68.86 | 0.421 | 5.20 | 5.80 | 54.00 | 96.93 | 8 | |
| Rangiora | 17.80 | 75.85 | 3.28 | 1.850 | 1.732 | 3.33 | 12.00 | 27.99 | 0.954 | 14.60 | 44.37 | 0.091 | 10.20 | 7.38 | 24.80 | 27.88 | 9 | |
| Rangiora | 5.43 | 14.68 | 1.39 | 0.956 | 0.770 | 4.44 | 11.39 | 17.78 | 0.807 | 13.02 | 80.11 | 0.081 | 1.38 | 4.54 | 16.71 | 72.90 | 10 | |
| Rangiora | 8.33 | 29.68 | 2.49 | 0.716 | 0.501 | 3.45 | 11.62 | 12.17 | 0.588 | 9.99 | 79.53 | 0.081 | 1.38 | 4.54 | 11.37 | 37.52 | 11 | |
| Rangiora | 10.11 | 30.81 | 2.46 | 1.506 | 1.506 | 4.29 | 12.55 | 18.12 | 0.925 | 13.01 | 73.64 | 0.238 | 3.42 | 7.60 | 17.33 | 38.94 | 12 | |
| Rangiora | 10.80 | 33.15 | 2.23 | 1.400 | 1.169 | 4.00 | 14.90 | 22.44 | 0.625 | 18.12 | 59.44 | 0.250 | 4.80 | 9.62 | 18.14 | 59.35 | 13 | |
| Rangiora | 9.41 | 29.34 | 2.16 | 1.470 | 1.105 | 4.37 | 13.59 | 28.18 | 1.072 | 14.12 | 64.05 | 0.171 | 2.89 | 4.75 | 21.01 | 77.14 | 14 | |
| Rangiora | 30.36 | 78.21 | 4.82 | 1.572 | 1.141 | 6.77 | 15.20 | 26.65 | 0.851 | 14.13 | 45.80 | 0.463 | 7.85 | 6.11 | 1.314 | 22.27 | 36.82 | 15 |
| Rangiora | 37.66 | 103.15 | 6.00 | 0.658 | 0.559 | 5.36 | 13.02 | 10.43 | 0.772 | 14.95 | 32.86 | 0.114 | 2.50 | 3.96 | 6.27 | 24.36 | 16 | |
| Rangiora | 0.08 | 25.83 | 2.13 | 0.400 | 0.861 | 4.30 | 12.14 | 18.14 | 0.786 | 7.08 | 71.27 | 0.050 | 2.01 | 5.21 | 16.26 | 47.08 | 17 | |
| Rangiora | 7.43 | 23.46 | 1.71 | 1.070 | 1.011 | 4.46 | 13.72 | 21.30 | 0.814 | 16.83 | 75.56 | 0.158 | 0.30 | ... | 7.47 | 68.68 | 18 | |
| Rangiora | 8.02 | 26.77 | 2.05 | 0.812 | 0.561 | 3.08 | 10.10 | 13.09 | 0.949 | 11.69 | 87.70 | 0.001 | 0.78 | 0.03 | 11.70 | 83.73 | 19 | |
| Rangiora | 6.27 | 19.99 | 1.66 | 1.032 | 0.916 | 5.03 | 18.82 | 17.35 | 0.687 | 11.84 | 66.26 | 0.158 | 1.32 | 7.17 | 12.86 | 69.58 | 20 | |
| Rangiora | 21.37 | 51.92 | 3.29 | 1.290 | 1.146 | 3.61 | 11.13 | 19.69 | 1.004 | 13.91 | 77.00 | 0.372 | 2.39 | 6.32 | 17.60 | 46.50 | 21 | |
| Rangiora | 28.53 | 51.58 | 3.49 | 2.376 | 1.801 | 3.45 | 11.46 | 36.64 | 0.891 | 29.16 | 75.83 | 0.238 | 5.74 | 6.09 | 34.90 | 69.10 | 22 | |
| Rangiora | 15.64 | 43.26 | 3.21 | 1.222 | 1.018 | 4.00 | 16.60 | 20.58 | 0.756 | 15.83 | 59.14 | 0.238 | 4.00 | 6.29 | 16.23 | 24.00 | 23 | |
| Rangiora | 13.91 | 44.26 | 3.40 | 1.208 | 0.958 | 4.23 | 13.02 | 19.78 | 0.970 | 18.88 | 77.64 | 0.125 | 2.05 | 3.05 | 17.94 | 26.68 | 24 | |
| Totals | 11.79(n) | 37.71(o) | 2.87(c) | 0.980(d) | 1.018(e) | 4.19(p) | 12.05(r) | ... | 0.720(s) | 69.44(v) | ... | 0.152(f) | ... | 5.41(k) | ... | 43.16(m) | ... | |
| Town Boards | 15.08 | 54.71 | 2.68 | 1.251 | 0.809 | 5.72 | 20.52 | 22.52 | 0.937 | 16.80 | 74.07 | 0.231 | 4.10 | 6.93 | 21.02 | 35.17 | ... | |
| Mangaweka | 17.42 | 34.37 | 3.17 | 1.090 | 1.131 | 7.85 | 10.85 | 16.22 | 1.754 | 30.24 | 110.83 | 0.078 | 1.36 | 2.24 | 81.00 | 62.65 | ... | |
| Totals | 15.43(m) | 49.72(o) | 2.74(c) | 1.225(d) | 1.225(e) | 6.04(p) | 18.16(r) | ... | 1.006(g) | ... | 81.15(v) | 0.206(f) | ... | 6.13(k) | ... | 39.16(m) | ... | |

(For notes see page 13)

TABLE XIII.A.—SUMMARY OF TOTALS FROM TABLES IX, X, AND XI.

| No. | Item | State Hydro-electric Department | Electric-power Boards | Other Local Authorities | | | | | | Companies | Total, all Supply Authorities | No. |
|-----|--|---------------------------------|-----------------------|-------------------------|----------------------|-------------------|-------------------|----------------------|--------------------|-----------------------|-------------------------------|-----|
| | | | | City Councils | Borough Councils | Town Boards | County Councils | Total | | | | |
| 1 | Population in area of supply | Number 50,500 | Number 1,119,460 | Number 464,400 | Number 152,440 | Number 1,930 | Number 5,910 | Number 624,280 | Number 7,480 | Number 1,802,120 | 1 | |
| 2 | Number of consumers | 14,606 | 303,269 | 142,288 | 47,663 | 599 | 1,728 | 192,278 | 1,546 | 511,699 | 2 | |
| 3 | Units generated | 2,349,256,657 | 55,468,858 | 108,459,895 | 42,866,018 | — | 891,017 | 152,216,930 | 42,439,968 | 2,599,382,413 | 3 | |
| 4 | Units sold (retail) | 128,114,036 | 1,202,160,763 | 536,246,813 | 145,629,383 | 2,129,675 | 5,171,811 | 689,177,682 | 16,248,669 | 2,035,701,150 | 4 | |
| 5 | Units sold (bulk plus retail) | 2,176,817,647 | 1,326,347,444 | 536,781,902 | 153,042,093 | 2,129,675 | 5,171,811 | 697,125,481 | 41,089,698 | 4,241,380,270 | 5 | |
| 6 | Route miles of lines (including service lines) | 5,839 | 23,761 | 2,872 | 1,303 | 67 | 49 | 4,291 | 153 | 34,044 | 6 | |
| 7 | Capital outlay | £(N.Z.) 39,051,830 | £(N.Z.) 19,249,760 | £(N.Z.) 6,519,563 | £(N.Z.) 1,797,309 | £(N.Z.) 29,780 | £(N.Z.) 54,173 | £(N.Z.) 8,400,825 | £(N.Z.) 288,117 | £(N.Z.) 66,990,532 | 7 | |
| 8 | Capital outlay on transmission and distribution system | 16,505,753 | 18,342,368 | 4,770,757 | 1,288,254 | 28,816 | 32,559 | 6,120,416 | 81,880 | 41,050,917 | 8 | |
| 9 | Revenue (retail sales) | 361,545 | 4,326,554 | 1,653,456 | 617,413 | 10,872 | 24,598 | 2,306,339 | 38,368 | 7,032,806 | 9 | |
| 10 | Revenue (bulk sales) | 2,848,883 | 205,611 | 598 | 7,765 | — | — | 8,363 | 25,259 | 3,088,116 | 10 | |
| 11 | Revenue (retail plus bulk sales) | 3,210,428 | 4,532,165 | 1,654,054 | 625,178 | 10,872 | 24,598 | 2,314,702 | 63,627 | 10,120,922 | 11 | |
| 12 | Gross revenue (excluding rates) | 3,258,402 | 4,658,171 | 1,927,288 | 683,739 | 11,655 | 25,238 | 2,647,920 | 64,275 | 10,628,768 | 12 | |
| 13 | Gross revenue (less revenue from bulk sales, feed back, and standby charges) | 409,519 | 4,412,059 | 1,676,856 | 639,434 | 11,655 | 25,238 | 2,353,183 | 39,016 | 7,213,777 | 13 | |
| 14 | Working costs (including cost of generating feed back) | 1,459,321 | 3,140,737 | 1,478,266 | 474,809 | 9,458 | 22,124 | 1,984,657 | 36,264 | 6,620,979 | 14 | |
| 15 | Working costs (excluding cost of generating feed back) | 1,132,446 | 3,102,991 | 1,236,154 | 458,899 | 9,458 | 22,124 | 1,726,635 | 36,264 | 5,998,336 | 15 | |
| 16 | Capital charges | 1,526,712 | 1,130,437 | 327,830 | 97,155 | 1,826 | 4,590 | 431,401 | 8,103 | 3,096,653 | 16 | |
| 17 | Total costs (including cost of generating feed back) | 2,986,033 | 4,271,174 | 1,806,086 | 571,964 | 11,284 | 26,714 | 2,416,058 | 44,367 | 9,717,632 | 17 | |
| 18 | Total costs (excluding cost of generating feed back) | 2,659,158 | 4,233,428 | 1,563,984 | 556,054 | 11,284 | 26,714 | 2,158,036 | 44,367 | 9,094,989 | 18 | |

TABLE XIV —STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING MACHINES.

| Supply Authorities | Population included in Area of Supply | Ratio of Consumers to Population in Area of Supply | Consumers | | | Ranges | | Water-heaters | | | Milkling-machines | | | Consumers per Route-mile of Line | No. | |
|--|---------------------------------------|--|-----------|------------|--------|--------|---------|---|--------|--------|-------------------|---|--------|----------------------------------|-----|------|
| | | | Domestic | Commercial | Total | Number | k.W. | Ratio, Number of Ranges to Domestic Consumers | Number | k.W. | Per Cent. | Ratio, Number of Water-heaters to Total Consumers | Number | | | H.P. |
| | | | | | | | | | | | | | | | | |
| STATE HYDRO-ELECTRIC DEPARTMENT | | | | | | | | | | | | | | | | |
| 1. North Island | 50,500 | 28.00 | 455 | 13 | 468 | 497 | 2,988 | 109.23 | 552 | 698 | 117.95 | 1,639 | 2,564 | 0.24 | 1 | |
| 2. South Island | 50,500 | 28.00 | 12,360 | 1,778 | 14,138 | 3,195 | 19,231 | 25.85 | 2,359 | 2,725 | 16.69 | 1,639 | 2,564 | 3.61 | 2 | |
| Totals | 50,500 | 28.92 | 12,815 | 1,791 | 14,606 | 3,692 | 22,219 | 28.81 | 2,911 | 3,423 | 19.93 | 1,639 | 2,564 | 2.51 | | |
| POWER BOARDS | | | | | | | | | | | | | | | | |
| 1. Ashburton | 19,250 | 28.01 | 4,740 | 651 | 5,391 | 2,438 | 5,725 | 51.44 | 2,207 | 4,076 | 40.94 | 161 | 149 | 4.87 | 1 | |
| 2. Auckland | 271,300 | 29.22 | 65,639 | 13,626 | 79,265 | 34,673 | 247,134 | 52.82 | 37,494 | 27,891 | 47.30 | 983 | 989 | 57.82 | 2 | |
| 3. Banks Peninsula | 3,520 | 36.90 | 1,224 | 75 | 1,299 | 522 | 2,993 | 42.65 | 502 | 783 | 38.65 | 180 | 137 | 5.79 | 3 | |
| 4. Bay of Islands | 32,910 | 13.30 | 3,784 | 593 | 4,377 | 1,511 | 9,049 | 39.93 | 1,792 | 1,453 | 45.05 | 870 | 1,235 | 5.35 | 4 | |
| 5. Bay of Plenty | 17,950 | 16.24 | 2,491 | 424 | 2,915 | 1,293 | 7,748 | 51.91 | 2,011 | 1,620 | 68.99 | 837 | 1,072 | 9.37 | 5 | |
| 6. Buller | 7,480 | 30.15 | 1,988 | 267 | 2,255 | 579 | 3,679 | 29.13 | 1,206 | 1,418 | 53.48 | 456 | 552 | 10.58 | 6 | |
| 7. Cambridge | 10,450 | 24.40 | 2,133 | 417 | 2,550 | 1,201 | 7,014 | 56.31 | 1,075 | 1,296 | 42.16 | 202 | 245 | 6.59 | 7 | |
| 8. Central Hawkes Bay | 34,400 | 27.33 | 8,540 | 863 | 9,403 | 3,029 | 17,266 | 35.47 | 5,100 | 4,192 | 36.24 | 2,271 | 3,364 | 9.45 | 8 | |
| 9. Central Waikato | 12,350 | 28.32 | 2,931 | 567 | 3,498 | 1,002 | 6,114 | 34.19 | 1,265 | 1,078 | 36.16 | 548 | 621 | 8.73 | 9 | |
| 10. Dannevirke | 24,800 | 25.58 | 5,850 | 494 | 6,344 | 2,801 | 16,681 | 47.88 | 5,124 | 3,715 | 80.77 | 2,663 | 2,977 | 7.54 | 10 | |
| 11. Franklin | 3,380 | 21.98 | 625 | 118 | 743 | 250 | 1,119 | 40.00 | 306 | 216 | 41.18 | 159 | 129 | 6.23 | 11 | |
| 12. Golden Bay | 19,050 | 32.23 | 5,252 | 888 | 6,140 | 1,460 | 9,033 | 27.80 | 992 | 1,109 | 16.16 | 84 | 115 | 21.38 | 12 | |
| 13. Grey | 38,300 | 28.32 | 9,745 | 1,100 | 10,845 | 5,052 | 40,840 | 51.84 | 5,105 | 4,578 | 47.07 | 432 | 448 | 18.34 | 14 | |
| 14. Hawkes Bay | 21,100 | 35.63 | 6,670 | 847 | 7,517 | 2,886 | 18,864 | 43.27 | 3,366 | 2,359 | 44.78 | 836 | 1,048 | 17.93 | 15 | |
| 15. Horowhenua | 76,800 | 29.23 | 19,563 | 2,888 | 22,451 | 10,024 | 69,304 | 51.24 | 10,833 | 8,095 | 48.25 | 148 | 159 | 57.50 | 16 | |
| 16. Hunt Valley | 9,450 | 5.70 | 485 | 54 | 539 | 25 | 160 | 5.16 | 34 | 35 | 6.31 | 27 | 26 | 5.86 | 17 | |
| 17. King Country | 4,550 | 19.08 | 756 | 112 | 868 | 234 | 1,086 | 30.95 | 127 | 241 | 14.63 | 10 | 8 | 4.40 | 18 | |
| 18. Malvern | 23,300 | 25.97 | 5,476 | 576 | 6,052 | 2,317 | 15,808 | 42.31 | 3,218 | 2,206 | 53.17 | 1,818 | 2,404 | 8.41 | 19 | |
| 19. Manawatu-Oroua | 16,320 | 25.86 | 3,560 | 660 | 4,220 | 836 | 6,227 | 23.48 | 693 | 640 | 16.42 | 147 | 202 | 12.64 | 20 | |
| 20. Marlborough | 27,100 | 23.58 | 5,522 | 867 | 6,389 | 2,439 | 13,114 | 44.17 | 4,300 | 3,024 | 67.30 | 2,131 | 2,861 | 6.08 | 21 | |
| 21. North Auckland | 15,050 | 30.53 | 4,173 | 421 | 4,594 | 1,491 | 8,207 | 35.73 | 1,357 | 2,158 | 29.54 | 339 | 242 | 4.78 | 22 | |
| 22. North Canterbury | 5,870 | 25.47 | 1,340 | 155 | 1,495 | 627 | 3,629 | 46.79 | 947 | 827 | 63.34 | 497 | 625 | 7.12 | 23 | |
| 23. Opuake | 25,600 | 24.10 | 5,066 | 1,103 | 6,169 | 956 | 5,805 | 18.87 | 1,274 | 1,274 | 14.80 | 211 | 284 | 7.44 | 24 | |
| 24. Otago | 8,310 | 30.85 | 2,246 | 318 | 2,564 | 715 | 4,129 | 31.83 | 783 | 774 | 30.54 | 52 | 25 | 4.11 | 25 | |
| 25. Otago Central | 34,370 | 21.76 | 6,016 | 1,464 | 7,480 | 2,805 | 19,681 | 46.63 | 2,770 | 2,588 | 37.03 | 339 | 292 | 15.70 | 26 | |
| 26. Poverty Bay | 26,000 | 23.83 | 5,417 | 778 | 6,195 | 1,314 | 8,551 | 24.26 | 1,114 | 1,554 | 17.98 | 286 | 228 | 6.64 | 27 | |
| 27. South Canterbury | 16,350 | 28.65 | 3,813 | 872 | 4,685 | 1,563 | 9,772 | 40.99 | 2,413 | 1,675 | 51.51 | 1,064 | 1,354 | 12.54 | 28 | |
| 28. South Taranaki | 13,800 | 25.19 | 3,157 | 319 | 3,476 | 1,445 | 7,481 | 45.77 | 1,348 | 1,699 | 38.78 | 353 | 300 | 8.54 | 29 | |
| 29. Springs-Eliasmere | 14,400 | 24.11 | 3,256 | 216 | 3,472 | 1,040 | 7,122 | 31.94 | 1,902 | 1,503 | 51.14 | 1,496 | 2,371 | 7.13 | 30 | |
| 30. Taranaki | 9,260 | 25.95 | 2,024 | 379 | 2,403 | 1,296 | 6,753 | 64.03 | 1,229 | 903 | 51.14 | 535 | 606 | 6.00 | 31 | |
| 31. Taranaki | 15,600 | 26.39 | 3,745 | 371 | 4,116 | 2,402 | 14,854 | 64.14 | 3,043 | 2,521 | 73.93 | 952 | 1,180 | 5.70 | 32 | |
| 32. Tauranga | 14,400 | 23.50 | 2,906 | 478 | 3,384 | 1,679 | 8,100 | 57.78 | 2,072 | 1,817 | 61.23 | 976 | 1,459 | 8.29 | 33 | |
| 33. Te Awamutu | 1,720 | 32.73 | 422 | 141 | 563 | 300 | 1,801 | 71.09 | 267 | 239 | 47.43 | 5 | 3 | 7.56 | 34 | |
| 34. Teviot... | 44,900 | 27.21 | 11,105 | 1,113 | 12,218 | 4,615 | 33,308 | 41.56 | 7,818 | 6,687 | 63.99 | 3,751 | 6,229 | 11.15 | 35 | |
| 35. Thames Valley | 17,350 | 28.47 | 4,031 | 909 | 4,940 | 1,663 | 10,214 | 41.26 | 1,566 | 1,469 | 31.70 | 321 | 221 | 17.69 | 36 | |

(For notes, see page 17.)

TABLE XIV.—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES—continued.

| Supply Authorities | Population included in Area of Supply | Ratio of Consumers to Population in Area of Supply | Consumers | | | Ranges | | | Water-heaters | | | Milkling-machines | | Consumers per Route-mile of Line | No. |
|---------------------------------|---------------------------------------|--|-----------|------------|---------|---------|-----------------|---|---------------|-----------------|---|-------------------|--------|----------------------------------|-----|
| | | | Domestic | Commercial | Total | Number | Total Kilowatts | Per Cent. of Ranges to Domestic Consumers | Number | Total Kilowatts | Ratio, Number of Water-heaters to Total Number of Consumers | Number | H.P. | | |
| | | | | | | | | | | | | | | | |
| POWER BOARDS—Continued. | | | | | | | | | | | | | | | |
| 37. Wairarapa ... | 25,700 | 26.93 | 5,769 | 1,152 | 6,921 | 2,795 | 16,858 | 48.45 | 3,001 | 2,740 | 43.36 | 823 | 1,120 | 10.30 | 37 |
| 38. Waikato ... | 2,880 | 24.58 | 592 | 116 | 708 | 309 | 2,163 | 52.20 | 413 | 265 | 58.33 | 211 | 247 | 3.47 | 38 |
| 39. Waikato ... | 8,590 | 7.89 | 592 | 86 | 678 | 264 | 1,603 | 44.59 | 281 | 211 | 41.45 | 156 | 165 | 3.90 | 39 |
| 40. Waikato ... | 17,850 | 31.28 | 4,653 | 930 | 5,583 | 2,322 | 14,701 | 49.90 | 2,471 | 2,695 | 44.26 | 121 | 93 | 9.52 | 40 |
| 41. Waikato ... | 67,000 | 33.55 | 19,270 | 3,211 | 22,481 | 10,205 | 63,481 | 52.96 | 9,848 | 7,821 | 43.81 | 2,503 | 1,592 | 13.62 | 41 |
| 42. Waikato ... | 12,100 | 22.35 | 2,232 | 472 | 2,704 | 1,295 | 8,292 | 58.02 | 1,411 | 1,210 | 52.18 | 479 | 708 | 10.05 | 42 |
| 43. Wanganui-Rangitikei ... | 48,600 | 27.53 | 11,061 | 2,318 | 13,379 | 3,392 | 22,407 | 30.67 | 4,255 | 3,369 | 31.80 | 1,311 | 1,469 | 13.09 | 43 |
| Totals ... | 1,119,460 | 27.09 | 259,860 | 43,409 | 303,269 | 119,065 | 777,870 | 45.81 | 138,152 | 116,034 | 45.55 | 31,744 | 39,554 | 12.76 | |
| OTHER LOCAL AUTHORITIES | | | | | | | | | | | | | | | |
| City Councils | | | | | | | | | | | | | | | |
| 1. Christchurch ... | 146,900 | 31.07 | 39,505 | 6,132 | 45,637 | 23,128 | 160,005 | 58.54 | 20,906 | 19,664 | 45.81 | 155 | 125 | 38.69 | 1 |
| 2. Dunedin ... | 96,100 | 29.82 | 25,368 | 3,284 | 28,652 | 6,722 | 37,687 | 26.50 | 11,527 | 14,360 | 40.23 | 237 | 336 | 43.89 | 2 |
| 3. Hamilton ... | 23,000 | 29.53 | 5,254 | 1,537 | 6,791 | 1,269 | 7,959 | 24.15 | 2,161 | 1,486 | 31.82 | ... | ... | 83.30 | 3 |
| 4. Invercargill ... | 24,200 | 30.84 | 6,329 | 1,134 | 7,463 | 635 | 2,025 | 10.03 | 686 | 875 | 9.19 | ... | ... | 77.92 | 4 |
| 5. Nelson ... | 14,400 | 29.90 | 3,607 | 699 | 4,306 | 527 | 3,590 | 14.61 | 1,191 | 1,267 | 27.66 | ... | ... | 66.18 | 5 |
| 6. Palmerston North ... | 27,900 | 31.62 | 7,482 | 1,340 | 8,822 | 2,913 | 17,538 | 38.93 | 3,850 | 2,810 | 43.64 | ... | ... | 87.79 | 6 |
| 7. Wellington ... | 131,900 | 30.79 | 32,896 | 7,721 | 40,617 | 6,296 | 45,612 | 19.14 | 12,786 | 14,489 | 31.48 | 32 | 83 | 58.38 | 7 |
| Totals ... | 464,400 | 30.64 | 120,441 | 21,847 | 142,288 | 41,490 | 274,426 | 34.45 | 53,107 | 54,951 | 37.32 | 424 | 544 | 49.54 | |
| Borough Councils | | | | | | | | | | | | | | | |
| 1. Bluff ... | 2,170 | 30.69 | 543 | 123 | 666 | 73 | 279 | 13.44 | 45 | 60 | 6.76 | ... | ... | 56.24 | 1 |
| 2. Invercargill ... | 1,360 | 34.78 | 368 | 105 | 473 | 149 | 1,014 | 40.49 | 134 | 111 | 28.33 | ... | ... | 50.00 | 2 |
| 3. Kapiti ... | 1,900 | 33.74 | 549 | 641 | 1,190 | 352 | 1,564 | 64.12 | 195 | 207 | 30.42 | ... | ... | 42.24 | 3 |
| 4. Lyttelton ... | 3,280 | 32.62 | 915 | 155 | 1,070 | 276 | 1,836 | 30.16 | 228 | 245 | 21.31 | ... | ... | 64.97 | 4 |
| 5. Napier ... | 16,250 | 31.47 | 4,036 | 1,078 | 5,114 | 1,011 | 7,314 | 25.05 | 1,812 | 1,530 | 35.43 | ... | ... | 44.47 | 5 |
| 6. New Plymouth ... | 28,100 | 29.69 | 7,146 | 1,196 | 8,342 | 4,075 | 20,775 | 57.03 | 4,437 | 3,695 | 53.19 | ... | ... | 21.58 | 6 |
| 7. Ohakune ... | 2,300 | 28.61 | 511 | 147 | 658 | 74 | 518 | 14.48 | 96 | 66 | 14.59 | ... | ... | 27.08 | 7 |
| 8. Patea ... | 2,010 | 30.10 | 477 | 128 | 605 | 270 | 1,772 | 56.60 | 250 | 176 | 41.32 | ... | ... | 50.86 | 8 |
| 9. Picton ... | 1,680 | 31.79 | 448 | 86 | 534 | 24 | 131 | 5.96 | ... | ... | ... | ... | ... | 20.00 | 9 |
| 10. Raetihi ... | 2,370 | 23.63 | 440 | 120 | 560 | 36 | 317 | 8.18 | ... | ... | ... | ... | ... | 67.49 | 10 |
| 11. Rangiora ... | 2,530 | 36.96 | 814 | 121 | 935 | 256 | 1,665 | 31.45 | 364 | 384 | 38.93 | ... | ... | 93.84 | 11 |
| 12. Riccarton ... | 8,360 | 28.06 | 2,234 | 112 | 2,346 | 1,277 | 8,438 | 57.16 | 1,355 | 1,084 | 57.76 | ... | ... | ... | 12 |
| 13. Ross ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 13 |
| 14. Rotorua Electric Supply ... | 14,000 | 32.82 | 3,742 | 853 | 4,595 | ... | 7,915 | 36.10 | 1,478 | 1,279 | 32.17 | ... | ... | ... | 14 |
| 15. Stratford ... | 4,080 | 32.84 | 1,018 | 322 | 1,340 | 407 | 3,090 | 39.98 | 433 | 385 | 32.31 | ... | ... | ... | 15 |
| 16. Tahape ... | 2,290 | 32.05 | 536 | 198 | 734 | 143 | 918 | 26.68 | 112 | 111 | 15.26 | ... | ... | ... | 16 |
| 17. Taumarunui ... | 2,850 | 41.47 | 892 | 290 | 1,182 | 158 | 989 | 17.71 | 160 | 160 | 13.54 | ... | ... | ... | 17 |
| 18. Tauranga ... | 5,320 | 36.50 | 1,557 | 385 | 1,942 | 1,442 | 8,210 | 73.35 | 1,206 | 670 | 62.10 | ... | ... | ... | 18 |
| 19. Te Aroha ... | 2,570 | 35.18 | 657 | 247 | 904 | 275 | 1,924 | 41.86 | 302 | 231 | 33.41 | ... | ... | ... | 19 |

TABLE XIV.—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES—continued.

| Supply Authorities | Population included in Area of Supply | Ratio of Consumers to Population in Area of Supply | Consumers | | | Ranges | | | Water-heaters | | | Milk-machines | | Consumers per Mile of Line | No. |
|--|---------------------------------------|--|-----------|------------|---------|------------|-----------------|--|---------------|-----------------|---|---------------|--------|----------------------------|-----|
| | | | Domestic | Commercial | Total | Number (1) | Total Kilowatts | Per Cent. Number of Domestic Consumers | Number | Total Kilowatts | Ratio, Number of Heaters to Total Number of Consumers | Number | H.P. | | |
| BOROUGH COUNCILS—Contd. | | | | | | | | | | | | | | | |
| 23. Waioa | 3,070 | 31.37 | 717 | 246 | 963 | 427 | 2,944 | 59.55 | 443 | 269 | 46.00 | ... | 18 | 48.15 | 23 |
| 24. Waitara | 2,560 | 32.34 | 667 | 161 | 828 | 241 | 1,623 | 36.13 | 270 | 212 | 32.61 | ... | 13 | 62.49 | 24 |
| 25. Westport | 5,830 | 29.83 | 1,383 | 356 | 1,739 | 32 | 204 | 2.31 | 87 | 76 | 5.00 | ... | 25 | 44.40 | 25 |
| 26. Whakatane | 3,080 | 30.33 | 730 | 204 | 934 | 382 | 2,292 | 52.33 | 392 | 436 | 41.97 | ... | 14 | 47.90 | 26 |
| 27. Whangarei | 10,350 | 31.42 | 2,622 | 630 | 3,252 | 1,119 | 6,318 | 42.68 | 1,034 | 707 | 31.80 | ... | 17 | 48.45 | 27 |
| Totals | 152,440 | 31.27 | 38,924 | 8,739 | 47,663 | 15,512 | 94,233 | 39.85 | 16,965 | 15,008 | 35.59 | ... | 1,493 | 36.58 | ... |
| TOWN BOARDS | | | | | | | | | | | | | | | |
| 1. Kaponga | 1,640 | 27.56 | 368 | 84 | 452 | 126 | 845 | 34.24 | 259 | 211 | 57.30 | ... | 185 | 8.22 | 1 |
| 2. Mangaweka | 290 | 50.69 | 108 | 39 | 147 | 52 | 273 | 48.15 | 48 | 36 | 32.65 | ... | 15 | 12.78 | 2 |
| Totals | 1,930 | 31.04 | 476 | 123 | 599 | 178 | 1,118 | 37.39 | 307 | 247 | 51.25 | ... | 200 | 8.94 | ... |
| COUNTY COUNCILS | | | | | | | | | | | | | | | |
| 1. Heathcote | 3,400 | 30.18 | 1,021 | 20 | 1,041 | 668 | 3,591 | 65.43 | 754 | 773 | 73.49 | ... | 3 | 55.16 | 1 |
| 2. Kaikoura | 1,310 | 25.95 | 260 | 80 | 340 | 12 | 29 | 4.62 | ... | ... | ... | ... | 4 | 40.00 | 2 |
| 3. Murchison | 770 | 29.09 | 197 | 27 | 224 | 15 | 90 | 7.61 | 38 | 34 | 16.96 | ... | 55 | 13.58 | 3 |
| 4. Uawa | 430 | 28.61 | 97 | 26 | 123 | ... | ... | ... | ... | ... | ... | ... | ... | 35.14 | 4 |
| Totals | 5,910 | 29.24 | 1,575 | 153 | 1,728 | 695 | 3,710 | 44.13 | 792 | 807 | 45.83 | ... | 62 | 35.27 | ... |
| Total, other local authorities | 624,680 | 30.78 | 161,416 | 30,862 | 192,278 | 57,875 | 373,487 | 35.85 | 71,171 | 71,013 | 37.01 | ... | 2,179 | 44.81 | ... |
| COMPANIES | | | | | | | | | | | | | | | |
| 1. Kaniere Electric Ltd. (6) | 3,030 | 33.53 | 745 | 271 | 1,016 | 199 | 1,307 | 26.71 | 105 | 115 | 10.34 | ... | ... | 33.87 | 1 |
| 2. L. Keys, Kohukohu (4) | 1,200 | 6.25 | 63 | 12 | 75 | ... | 243 | 58.73 | ... | 43 | 78.67 | ... | 35 | 1.96 | 2 |
| 3. Wilson's (N.Z.) Portland Cement, Ltd. | 3,250 | 14.00 | 395 | 60 | 455 | 68 | 420 | 17.22 | 84 | 81 | 18.46 | ... | 90 | 5.94 | 3 |
| 4. Westland Power, Ltd. (6) | 7,480 | 20.67 | 1,203 | 343 | 1,546 | 304 | 1,970 | 25.27 | 248 | 239 | 16.04 | ... | 125 | 10.10 | 4 |
| Totals | 1,802,120 | 28.39 | 495,294 | 76,405 | 571,699 | 180,936 | 1,175,546 | 41.57 | 212,482 | 190,709 | 41.52 | ... | 35,687 | 45.180 | ... |
| Grand totals | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

NOTES.—(1) Only ranges requiring permits for connection to electric supply, therefore not comparable with previously published statistics. (2) Route miles of lines now include service lines, therefore not comparable with previously published statistics. (3) Taken over by Tauranga Electric-power Board on 31/8/47. (4) Taken over by Bay of Islands Electric-power Board 2/2/48. (5) No return received. (6) For year ended 31/12/47. (7) No return received. (8) Not actively functioning.

(For notes, see page 17.)

TABLE XVII.—STATISTICS RELATING TO ELECTRICAL WIREMEN'S REGISTRATION BOARD FOR YEAR
31ST MARCH, 1948.

(The figures in parenthesis are for the previous year)

1. Number of Wiremen's Registration Board Meetings : 14 (24)
2. Registrations :—

| | During Year | Total | Current |
|--|-------------|-----------------|---------------|
| Inspectors | 37 (67) | 919 (882) | 424 |
| Electrical wiremen | 300 (242) | 5,232 (4,932) | 5,043 (4,843) |
| Electrical servicemen, Class "D" | 93 (14) | 201 (108) | 187 |
| Electrical servicemen, Class "E" (including radio) | 90 (67) | 285 (195) | 272 |
| Electrical servicemen, Class "E" (excluding radio) | 3 (...) | 36 (33) | 25 |
| Limited registration | 19* (33) | 1,281† (1,262) | 1,198 (1,198) |
| Provisional Licences | 24 (16) | 893 (869) | 10 |
| Temporary permits | 2 (1) | 133 (131) | ... |
| Registrations after periodical purging | ... (11) | 329 (329) | ... |
| | Candidates | Passed Per Cent | Highest |
| 3. Examinations :— | | | |
| Wiremen— | | | |
| Written | 765 (843) | 33 (37) | 92 |
| Practical | 550 (579) | 59 (63) | 97 |
| Servicemen— | | | |
| Written | 288 (646) | 37 (41) | 96 |
| Practical | 213 (365) | 60 (57) | 94 |

4. Defective work reports : 26 (15) ; Endorsements made, 1 (4) ; Endorsements removed, nil (nil).
5. Breach of Acts reports : 34 (37) ; Prosecutions authorised, 23 (29).

*Includes radio experimenters, 4 ; radio apparatus, 2 ; Supply Authority servicemen, 4 ; Operation of motion and sound pictures, 2 ; I
1 ; Secondary side, radio sets, 1 ; servicing calculating machines, 1 ; powerhouses and substations, 1 ; assembly, apparatus for sale, 1
tenance, dairy factory, 1 ; Work in mines, 1 ; †Includes radio servicemen registered prior to the introduction in 1930 of the examinations for
servicemen Class "E," and other miscellaneous registrations