### 7.—Summary Statistics of Domestic Consumption of Electricity, 1938-48

| Year | Customers | Consumption | Average Consumption per Customer | Average Charge per Annum | Average Charge per kwh. |
|---|---|---|---|---|---|
| | No. | '000 kwh. | kwh. | $ | cts. |
| 1939 | 1,623,672 | 2,310,891 | 1,423 | 26·97 | 1·90 |
| 1940 | 1,694,388 | 2,436,572 | 1,438 | 27·41 | 1·91 |
| 1941 | 1,755,917 | 2,582,405 | 1,471 | 27·73 | 1·89 |
| 1942 | 1,803,708 | 2,716,895 | 1,506 | 28·11 | 1·87 |
| 1943 | 1,852,367 | 2,843,612 | 1,535 | 27·70 | 1·80 |
| 1944 | 1,906,452 | 3,046,980 | 1,598 | 27·96 | 1·75 |
| 1945 | 1,987,360 | 3,365,497 | 1,693 | 28·05 | 1·66 |
| 1946 | 2,104,549 | 3,881,677 | 1,844 | 29·85 | 1·62 |
| 1947 | 2,246,253 | 4,383,222 | 1,951 | 31·28 | 1·60 |
| 1948 | 2,398,847 | 4,984,280 | 2,078 | 33·32 | 1·60 |

**Equipment of Central Electric Stations.**—Auxiliary equipment includes only thermal engines and generators operated by them in hydraulic stations and in non-generating plants and does not include spare equipment in thermal stations or spare hydraulic equipment in hydraulic stations. Such equipment is classed as main-plant equipment. The capacities of the equipment are the manufacturers' ratings and, for water wheels and turbines, the kilowatt hour capacities vary with the supply of water. The majority of the hydraulic stations are large, serving wide areas over transmission lines, whereas most of the plants with thermal engines are small, serving the needs of the local municipality. The number of thermal engines increased from previous years. Equipment data were not included for small plants, mainly in Saskatchewan and Alberta, whose output was largely consumed by their own industry or firm.

### 8.—Main-Plant Equipment of Central Electric Stations, by Provinces, and Total Auxiliary Equipment, 1948

NOTE.—Kva. means kilo-volt-amperes.

| Type of Equipment and Province | Power Plants | Water Wheels and Turbines | | | Thermal Engines | | | Generators | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. | Capacity | Average Capacity | No. | Capacity | Average Capacity | No. | Capacity | Average Capacity |
| MAIN-PLANT EQUIPMENT | No. | | h.p. | h.p. | | h.p. | h.p. | | kva. | kva. |
| P.E.I. | 9 | 6 | 387 | 65 | 20 | 9,742 | 487 | 23 | 7,692 | 334 |
| N.S. | 46 | 56 | 109,958 | 1,964 | 38 | 98,044 | 2,580 | 94 | 175,306 | 1,865 |
| N.B. | 18 | 14 | 104,260 | 7,447 | 29 | 82,417 | 2,842 | 43 | 160,791 | 3,739 |
| Que. | 99 | 279 | 5,542,282 | 19,865 | 16 | 2,145 | 134 | 297 | 4,707,878 | 15,851 |
| Ont. | 123 | 316 | 2,571,202 | 8,137 | 13 | 46,890 | 3,607 | 329 | 2,094,446 | 6,366 |
| Man. | 15 | 42 | 466,800 | 11,114 | 15 | 2,402 | 160 | 55 | 377,586 | 6,865 |
| Sask. | 142 | 6 | 106,500 | 17,750 | 191 | 186,152 | 975 | 197 | 247,472 | 1,256 |
| Alta. | 98 | 10 | 104,500 | 10,450 | 136 | 117,262 | 862 | 140 | 194,153 | 1,387 |
| B.C. and Yukon | 85 | 63 | 464,417 | 7,372 | 77 | 23,181 | 301 | 141 | 413,715 | 2,934 |
| **Totals** | **635** | **792** | **9,470,306** | **11,957** | **535** | **568,235** | **1,062** | **1,319** | **8,379,039** | **6,353** |
| AUXILIARY-PLANT EQUIPMENT | — | — | — | — | 102 | 181,055 | 1,775 | 90 | 135,470 | 1,505 |
| **Grand Totals** | **635** | **792** | **9,470,306** | **11,957** | **637** | **749,290** | **1,176** | **1,409** | **8,514,509** | **6,043** |