

## 8.—Electric Energy Generated, by Type of Station 1942-58, and by Province 1957 and 1958

| Year and Province or Territory | Generated by—     |                              | Total                         | Year and Province or Territory | Generated by—           |                        | Total                   |
|--------------------------------|-------------------|------------------------------|-------------------------------|--------------------------------|-------------------------|------------------------|-------------------------|
|                                | Water Power       | Thermal Power                |                               |                                | Water Power             | Thermal Power          |                         |
|                                | '000 kwh.         | '000 kwh.                    | '000 kwh.                     |                                | '000 kwh.               | '000 kwh.              | '000 kwh.               |
| 1942.....                      | 36,582,953        | 772,226                      | 37,355,179                    | 1951.....                      | 52,955,002              | 1,896,842              | 54,851,844              |
| 1943.....                      | 39,660,312        | 819,281                      | 40,479,593                    | 1952.....                      | 57,023,530              | 2,385,668              | 59,409,198              |
| 1944.....                      | 39,553,352        | 1,045,427                    | 40,598,779                    | 1953.....                      | 58,926,462              | 3,934,465              | 62,860,927              |
| 1945.....                      | 39,131,020        | 999,034                      | 40,130,054                    | 1954.....                      | 62,572,316              | 3,364,124              | 65,936,440              |
| 1946.....                      | 40,692,395        | 1,044,502                    | 41,736,897                    | 1955.....                      | 69,478,003              | 3,432,589              | 72,910,592              |
| 1947.....                      | 42,273,167        | 1,151,632                    | 43,424,799                    | 1956.....                      | 73,524,583              | 4,479,770              | 78,004,353              |
| 1948.....                      | 41,070,095        | 1,319,586                    | 42,389,681                    | 1956 <sup>1</sup> .....        | 81,839,968 <sup>1</sup> | 6,543,333 <sup>1</sup> | 88,383,301 <sup>1</sup> |
| 1949.....                      | 42,779,199        | 1,639,374                    | 44,418,573                    | 1957 <sup>1</sup> .....        | 83,373,220              | 7,668,860 <sup>1</sup> | 91,042,080 <sup>1</sup> |
| 1950.....                      | 46,624,218        | 1,869,500                    | 48,493,718                    | 1958 <sup>1</sup> .....        | 90,509,200              | 6,957,622              | 97,466,822              |
| <b>1957<sup>1</sup></b>        |                   |                              |                               | <b>1958<sup>1</sup></b>        |                         |                        |                         |
| Nfld.....                      | 1,313,396         | 62,313 <sup>1</sup>          | 1,375,709 <sup>1</sup>        | Nfld.....                      | 1,340,843               | 70,329                 | 1,411,172               |
| P.E.I.....                     | 370               | 56,618                       | 56,988                        | P.E.I.....                     | 537                     | 62,497                 | 63,034                  |
| N.S.....                       | 526,493           | 1,007,344                    | 1,533,837                     | N.S.....                       | 645,600                 | 917,142                | 1,562,742               |
| N.B.....                       | 706,464           | 698,297                      | 1,404,761                     | N.B.....                       | 1,023,020               | 589,662                | 1,612,682               |
| Que.....                       | 37,905,814        | 225,613                      | 38,131,427                    | Que.....                       | 43,418,062              | 217,506                | 43,635,568              |
| Ont.....                       | 27,959,037        | 2,153,403                    | 30,112,440                    | Ont.....                       | 28,012,573              | 1,238,807              | 29,251,380              |
| Man.....                       | 3,350,396         | 26,993                       | 3,377,389                     | Man.....                       | 3,113,166               | 139,854                | 3,253,020               |
| Sask.....                      | 568,020           | 1,200,324                    | 1,766,344                     | Sask.....                      | 568,480                 | 1,347,716              | 1,916,196               |
| Alta.....                      | 807,253           | 1,624,649                    | 2,431,902                     | Alta.....                      | 990,457                 | 1,737,298              | 2,727,755               |
| B.C.....                       | 10,116,336        | 607,701                      | 10,724,037                    | B.C.....                       | 11,254,743              | 627,960                | 11,882,703              |
| Yukon and N.W.T.....           | 121,641           | 5,605                        | 127,246                       | Yukon and N.W.T.....           | 141,719                 | 8,851                  | 150,570                 |
| <b>Canada, 1957..</b>          | <b>83,373,220</b> | <b>7,668,860<sup>1</sup></b> | <b>91,042,080<sup>1</sup></b> | <b>Canada, 1958..</b>          | <b>90,509,200</b>       | <b>6,957,622</b>       | <b>97,466,822</b>       |

<sup>1</sup> New series, see immediately preceding text.

Of the total generation in 1958 of 97,466,822,000 kwh., 92.9 p.c. was produced from water power and 7.1 p.c. was generated thermally; in 1957 total generation was 91,042,080,000 kwh. of which 91.6 p.c. was produced from water power and 8.4 p.c. thermally. The proportions generated in 1958 differed somewhat among provinces as shown in the following statement.

| Province                  | Hydro |      | Thermal |      | Province or Territory | Hydro |      | Thermal |  |
|---------------------------|-------|------|---------|------|-----------------------|-------|------|---------|--|
|                           | p.c.  | p.c. | p.c.    | p.c. |                       | p.c.  | p.c. |         |  |
| Newfoundland.....         | 95.0  | 5.0  |         |      | Manitoba.....         | 95.7  | 4.3  |         |  |
| Prince Edward Island..... | 0.9   | 99.1 |         |      | Saskatchewan.....     | 29.7  | 70.3 |         |  |
| Nova Scotia.....          | 41.3  | 58.7 |         |      | Alberta.....          | 36.3  | 63.7 |         |  |
| New Brunswick.....        | 63.4  | 36.6 |         |      | British Columbia..... | 94.7  | 5.3  |         |  |
| Quebec.....               | 99.5  | 0.5  |         |      | Yukon and N.W.T.....  | 94.1  | 5.9  |         |  |
| Ontario.....              | 95.8  | 4.2  |         |      |                       |       |      |         |  |

Table 9 gives summary figures of power production and distribution classified by province and Tables 9 and 10 give figures classified by type of production establishment. Total installed capacity in Canada amounted to 18,559,368 kw. in 1958, an increase of 1,831,129 kw. over 1957. Of the 1958 total, 14,758,524 kw. were accounted for by utilities and the remainder by industrial establishments. During 1957 and 1958 total sales to ultimate customers amounted to 60,543,520,000 kwh. and 65,323,721,000 kwh. respectively, of which nearly 99.7 p.c. was sold each year by utilities.

Sales to power customers made up 62.9 p.c. of the total in 1957 and 61.6 p.c. in 1958, sales to domestic and farm customers were 26.2 p.c. and 26.5 p.c., and commercial sales 10.1 p.c. and 11.1 p.c. in the respective years.

Exports to the United States in 1958 amounted to 4,074,513,000 kwh. compared with 4,829,843,000 kwh. in 1957.