

Table 6 gives a regional listing of the number of thermal stations and generating units by type of plant, basic fuel used, and total generating capacity as at the end of 1958—the latest analysis of these data available.

**6.—Capacity of Thermal Generating Equipment, by Type of Plant, as at Dec. 31, 1958<sup>1</sup>**

| Province                 | Type of Plant and Basic Fuel Used   | Stations   | Generating Units | Generating Capacity |
|--------------------------|---|------------|------------------|---------------------|
|                          |   | No.        | No.              | kw.                 |
| Nfld.....                | Steam turbine (oil).....  | 2          | 3                | 20,000              |
|                          | Internal combustion engine (oil).....                                     | 4          | 8                | 4,350               |
| P.E.I.....               | Steam turbine (oil).....  | 1          | 6                | 22,500              |
|                          | Internal combustion engine (oil).....                                     | 2          | 10               | 2,986               |
| N.S.....                 | Steam turbine (coal).....   | 9          | 29               | 292,805             |
|                          | Internal combustion engine (oil).....                                     | 4          | 12               | 3,250               |
| N.B.....                 | Steam turbine (coal and oil).....   | 10         | 36               | 166,750             |
|                          | Internal combustion engine (oil).....                                     | 4          | 11               | 7,666               |
| Que.....                 | Steam turbine (coal and oil).....   | 15         | 34               | 52,760              |
|                          | Internal combustion engine (oil).....                                     | 11         | 26               | 8,354               |
| Ont.....                 | Steam turbine (coal and oil).....   | 29         | 52               | 744,935             |
|                          | Steam turbine—internal combustion engine (coal and oil).....              | 3          | 13               | 25,868              |
|                          | Internal combustion engine (oil).....                                     | 10         | 22               | 8,056               |
| Man.....                 | Steam turbine (coal and oil).....   | 4          | 12               | 181,000             |
|                          | Internal combustion engine (oil).....                                     | 3          | 7                | 3,753               |
| Sask.....                | Steam turbine (coal, oil and natural gas).....                            | 8          | 29               | 386,700             |
|                          | Internal combustion engine (oil and natural gas).....                     | 11         | 49               | 29,141              |
|                          | Combination internal combustion engine and gas turbine (natural gas)..... | 1          | 5                | 29,000              |
| Alta.....                | Steam turbine (coal, oil and natural gas).....                            | 11         | 23               | 257,600             |
|                          | Combination steam turbine and gas turbine (natural gas and oil).....      | 3          | 15               | 191,375             |
|                          | Internal combustion engine (oil and natural gas).....                     | 15         | 49               | 18,513              |
|                          | Gas turbine (natural gas).....  | 1          | 1                | 10,000              |
| B.C.....                 | Steam turbine (oil and wood waste).....                                   | 18         | 48               | 112,610             |
|                          | Steam turbine—internal combustion engine (oil and wood waste).....        | 1          | 2                | 1,800               |
|                          | Internal combustion engine (oil and natural gas).....                     | 41         | 161              | 82,892              |
|                          | Gas turbine (oil).....  | 1          | 4                | 87,040              |
| Yukon and N.W.T.         | Steam turbine—internal combustion engine (oil).....                       | 1          | 4                | 1,500               |
|                          | Internal combustion engine (oil).....                                     | 6          | 19               | 2,841               |
| Canada.....              | Steam turbine.....  | 107        | 272              | 2,237,660           |
|                          | Steam turbine—internal combustion engine.....                             | 5          | 19               | 29,168              |
|                          | Steam turbine—gas turbine.....  | 3          | 15               | 191,375             |
|                          | Internal combustion engine.....   | 111        | 374              | 171,802             |
|                          | Internal combustion engine—gas turbine.....                               | 1          | 5                | 29,000              |
|                          | Gas turbine.....  | 2          | 5                | 97,040              |
| <b>Grand Totals.....</b> |   | <b>229</b> | <b>690</b>       | <b>2,756,045</b>    |

<sup>1</sup> Prepared by the Fuels Division, Department of Mines and Technical Surveys, Ottawa.

Table 7 gives the maximum size of steam-driven turbo-generator units in thermal stations and shows clearly the trend toward the installation of larger and more efficient generating facilities capable of producing lower cost electric energy from the mineral fuels—coal, oil and natural gas.