$\substack{\text { CaTALOGUE No. } \\ 57-001}$
Monthly

## ELECTRIC POWER STATISTICS

August, 1960

Monthly electric power statistics are designed to provide current information on the production and consumption of electric energy in Canada. In order to expedite the collection and compilation of returns, the series is confined to firms which generate a minimum of 10 million kilowatt hours per annum. These firms, however, accounted for 99.3 per cent of total production in 1958.

Prior to 1957, statistics in the monthly series related only to power produced for sale. This included all of the energy produced by electric utilities but only a comparatively small amount of the generation of industrial establishments which are defined as concerns which generated electricity primarily for use in own plant. Since January 1957 when industrial establishments commenced reporting their entire production, the industrial group has accounted for approximately 21 per cent of the total production of electric energy in Canada.

Early in 1957, industrial establishments were asked to provide generation figures on the revised basis for the period 1949-1956. In some instances estimates had to be made. The results for Canada and the provinces were published as a supplement to the June 1957 report. The Supplement issued with the January 1960 report brings the provincial historical tables up to date and in line with Canada totals which are shown regularly in the monthly report.

In the electric power series, net generation is defined as total generation less the amount used in station service. Net exports to the United States are deducted from total net generation in order to arrive at the amount of electric energy made available for use in Canada. Some of the amount made avallable is sold as surplus or secondary power and used, for the most part, in electric boilers. As this is the only form of secondary consumption that can readily be ascertained for all provinces, energy used in electric boilers is deducted from the amount made available in order to provide a figure more closely approximating primary consumption which is recognized as the more sensitive economic indicator.

Total net generation of electric energy in Canada by firms, which produce 10 million kilowatt hours or more per annum, amounted to 9,323,177 megawatt hours in August 1960, a rise of 15.0 per cent over the $8,107,636 \mathrm{mwh}$. generated one year ago. Generation by utilities rose 13.3 per cent to $7,208,980 \mathrm{mwh}$. while production by industrial establishments increased 21.3 per cent to $2,114,197 \mathrm{mwh}$.

The amount of electric energy made available for use in Canada in August rose 11.2 per cent to $8,704,449 \mathrm{mwh}$. from $7,826,977$ in 1959. Net exports to the United States increased 120.5 per cent with imports down 43,367 mwh. to 9,280 and exports up 294,702 to 628,008.

Electric energy used in electric boilers showed an increase of 29.7 per cent to $531,277 \mathrm{mwh}$. with the result that the amount remaining for mostly nonsecondary uses increased 10.2 per cent to $8,173,172$ from $7,417,340$.

Electric Energy Made Avallable
August, 1960

|  | Canade | Newfoundland | Prince Edwerd Island | Nova Scotia |
| :---: | :---: | :---: | :---: | :---: |
| Net generation (Thousand kwh.) | (Thousand kwh.) |  |  |  |
| Utilities: |  |  |  |  |
| Hydro | 6,717,367 | 83,877 | - | 39,340 |
| Thermel | 491,613 | 484 | 6,488 | 94,788 |
| Tocal | 7,208,980 | 84,361 | 6,488 | 134,128 |
| Industry: |  |  |  |  |
| Hydro | 1,926,008 | 33,869 | - | 1,914 |
| Thermal | 188,189 | 2,707 | - | 7.429 |
| Total | 2,114,197 | 36,576 | - | 9,343 |
| Totel net generation | 9,323,177 | 120,937 | 6,488 | 143,471 |
| Energy imported: |  |  |  |  |
| Fram other provinces | xxx | - | - | - |
| Prom Uaited States | 9,280 | - | - | - |
| Total | 9,280 | - | - | - |
| Emergy exported: |  |  |  |  |
| To other provinces | xxx | 7,801 | - | 1,152 |
| To United Statea - primary | 114,019 | - | - | - |
| eecondery | 513,989 | - | - | - |
| Total ................. | 628,008 | 7,801 | - | 1,152 |
| Energy made available in Canadal | 8,704,449 | 113,136 | 6,488 | 142,319 |
| Amount used in electric boilers | 531,277 | 2,286 | - | - |
| Anergy made available less mount used in boilers | 8,173,172 | 110,850 | 6,488 | 142,319 |

Cumulative totals, Jinumry = August, 1960

| Net gemeration Utilities: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Hydro | 55,554,973 | 710,393 | - | 454,980 |
| Thermal | 3,575,285 | 5,531 | 50,143 | 586,377 |
| Total | 59,130,258 | 715,924 | 50,143 | 1,042,383 |
| Industry: |  |  |  |  |
| Hydro | 15,008,675 | 245,923 | - | 26, 125 |
| Thermal | 1,534,165 | 19,324 | - | 67,036 |
| Totel | 16,542,840 | 265,247 | - | 93,760 |
| Totel net generation | 75,673,098 | 981,171 | 50,143 | 1,135,083 |
| Energy 1mported: |  |  |  |  |
| From other provinces | xxx. | - | - | - |
| Fram Uaited States | 179,497 | - | - | - |
| Tote 1 | 179,497 | - | - | - |
| Energy exported: |  |  |  |  |
| To other provinces | xxx | 52,639 | - | 9,692 |
| To United States - primary | 865,710 | - | - | , 692 |
| secondary | 3,105,250 | - | - | - |
| Total .................. | 3,970,960 | 52,639 | - | 9,692 |
| Energy made available in Cannds ${ }^{1}$ | 71,881,635 | 928,532 | 50,143 | 1,125,391 |
| Amount used in electric bollers | 5,033,484 | 63,741 | , | , |
| Energy made available less mount used in boilers | 66,848,151 | 864,791 | 50,143 | 1,125,385 |
| August, 1959 |  |  |  |  |
| Total net generation | 8,107,636 | 109,954 | 5,867 | 127,520 |
| Total energy imported | 52,647 | - | - |  |
| Total energy exported | 333,306 | 3,828 | 5,867 | 1,080 |
| Total made available in canade ${ }^{1}$ | 7,826,977 | 106,126 | 5,867 | 126,440 |
| Amount used in electric bodlers | 409,637 | 3,872 | - |  |
| Total made matlable less amount used in boilers | 7,417,340 | 102,254 | 5,867 | 126,440 |
| Jmaury - August, 1959 |  |  |  |  |
| Total net generetion | 67,517,158 | 905,291 | 45,100 | 1,063,002 |
| Total energy imported | 363,978 | - | - |  |
| Total energy exported | 3,085,322 | 33,475 | - | 8,756 |
| Totel mede svalible in Canadal | 64,795,814 | 871,816 | 45,100 | 1,054,2,66 |
| Amount used tri electric boilezs ........... | 4,116,101 | 95,833 | 45100 |  |
| Total made available less mount used in boilers | 60,679,713 | 775,983 | 45,100 | 1,054, 2.55 |

[^0]Electric Energy Made Availeble
Augute 1960

| New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia | Yukon and $\mathrm{N}_{\mathrm{n}} \mathrm{W}_{\mathrm{t}} \mathrm{T}$. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Thouend kwh.) |  |  |  |  |  |  |  |
| 35,633 | 2,886,748 | 2,826,151 | 272,740 | 44,795 | 64,077 | 456,329 | 7,677 |
| 53, 764 |  | 10,874 | 1,534 | 126,946 | 177,672 | 18,082 | 951 |
| 89,397 | 2,886,778 | 2,837,025 | 274,274 | 171,741 | 241,749 | 474,411 | 8,628 |
| 2,619 | 1,203,585 | 123,929 | 3,555 | 2,415 | - | 548,730 | 5,392 |
| 39,113 | 21,715 | 47, 101 |  | 6,600 | 24,867 | 38,657 | , |
| 41,732 | 1,225,300 | 171,030 | 3,555 | 9,015 | 24,867 | 587,387 | 5,392 |
| 131.129 | 4,112,078 | 3,008,055 | 277,829 | 180,756 | 266,616 | 1,061,798 | 14,020 |
| 2,450 | 9.117 | 460, 730 | 56,694 | 509 | 3,799 | 16 | - - |
| 2,826 | 24 | 4,951 | - | - | - | 1,479 | - |
| 5,276 | 9,141 | 465,681 | 56,694 | 509 | 3,799 | 1,495 | - |
| - |  |  | 294 | 48,569 | 231 | 3,799 |  |
| 2,187 | 49,697 | 61,905 | - | - | - | 230 | - |
| 7,137 | 6,024 | 499, 394 | 3 | - | - | 1,431 | - |
| 9,324 | 517,749 | 570,740 | 297 | 48,569 | 231 | 5,460 | - |
| 127,081 | 3,603,470 | 2,902,996 | 334,226 | 132,696 | 270,184 | 1,057,833 | 14,020 |
|  | 469,721 | 34,569 | 15,178 |  | - | 7,517 | 2,006 |
| 127,081 | 3,133,749 | 2,868,427 | 319,048 | 132,696 | 270,184 | 1,050,316 | 12,014 |

Cumulative totalg, January - August, 1960


Januery - Augus t, 1960

| Month | Totel net generation | Imports frow United States | Exports to United States | Total made available in Canada | Total made avallable less amount used in bollers | Daily Average |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Total net generation | Total made avallable |
|  | (Thousand kwh.) |  |  |  |  |  |  |
| Jenuary | 9,893,665 | 22,441 | 404,270* | 9,511,836* | 8,828,257* | 319,150 | 306,833* |
| February | 9,440,925 | 13,895 | 348,719* | 9,106, 101* | 8,416,011* | 325,548 | 314,004 |
| March | 10,068,585 | 61,292 | 408,548* | 9,721,329* | 8,965,823* | 324,793 | 313,591* |
| April | 9,411,820 | 23,442 | 448,365* | 8,986,897* | 8,293,934* | 313,727 | 299,563* |
| May . | 9,367,828 | 25,504 | 536,474 | 8,856,858 | 8,278,477 | 302,188 | 285,705 |
| June | 9,132,588 | 17,290 | 554,552 | 8,595,326 | 8,028,866 | 304,420 | 286,511 |
| July | 9,034,510 | 6,353 | 642,025 | 8,398,838 | 7,863,610 | 291,436 | 270,930 |
| August | 9,323,177 | 9,280 | 628,008 | 8,704,449 | 8,173,172 | 300,748 | 280,789 |
| September |  |  |  |  |  |  |  |
| Ocrober ... |  |  |  |  |  |  |  |
| November . |  |  |  |  |  |  |  |
| December . . |  |  |  |  |  |  |  |
| Totel... |  |  |  |  |  |  |  |

Net generacion, 1949-1960
CANADA



[^0]:    1. Includes interruptible not at-will erergy an energy used in electric boilers
