

# DOMINION BUREAU OF STATISTICS <br> OTTAWA - CANADA 

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# ELECTRIC POWER STATISTICS 

July, 1959

Monthly electric power statistics have been published on the present basis since January 1957. The "Central Electric Stations" series discontinued at that time dealt exclusively with power produced for sale, whether by utilities or by industrial establishments servicing adjoining commaities or seling sman amounts of power to regular customers. Specifically excluded from the "Central Electric Stations" report was power produced by industry for own use. The revised series which includes this production is therefore a much more reliable economic indicator.

Although the revised series embraces both power produced for own use and power produced for sale it does not reflect the entire production of electric energy in Canada. In order to expedite collection and compilation of returne only firms which generate at least 10 million kilowatt hours per annum are asked to report monthly statistics. These firms, however, were found to have accounted for 99.1 per cent of total production in 1957.

Net generation as defined for the purpose of this series means total output less the amount used in station service. The amount made available in Canada ia arrived at by deducting exports to the United States from the sum total of net generation and imports. Energy produced for ure in electric boilers, which is the only form of secondary consumption that can be $1 s o l a t e d$ for all provinces, is deducted from energy made available in order to produce a figure more closely approximeting primary consumption.

Total net generation of electic energy in Canada by fina which produce 10 million kilowatt hours or more per annum amounted to $8,089,420$ megawatt hours in July 1959, an increase of 5.5 per cent over the $7,666,103$ mengenated a year ago. Generation by utilities rose 6.6 per cent to $6,343,029$ while the industrial total increased 1.6 per cent to $1,746,391 \mathrm{moh}$.

The amont of electric energy made available for use in Canada in July incressed 6.0 per cent to $7,726,455 \mathrm{mwh}$ from $7,289,732$ wh in 1958. Imports from the United States rose 153.7 per cent to 36,685 wh while exports were up 2.3 per cent to 399,650 mwh. Electric energy used in electric boilers was down 7.0 per cent to 410,056 man from 440,925 in July 1958, with the result that the amount shown as avilable after deducting energy used in electric boilers recorded an increase of 6.8 per cent to $7,316,399$ wh from $6,848,807$.

Net generation in the first seven month of the year totalled 59,414,323 mwh compared with $55,898,132$ in the couparable period of 1958 , gain of $3,516,191$ wwh or 6.3 per cent. Energy made available less the amount used in electric boilers rose 6.3 per cent to $53,266,158$ from $50,105,721$.

Prepared in the Transportation and Public Utilities Section

## Electric Energy Made Available

$$
\text { July, } 1959
$$

|  | Canada | Newfoundland | Prince Edward Island | $\begin{aligned} & \text { Now; } \\ & \text { Scotin } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | (Thousand kwh.) |  |  |  |
| Net generation |  |  |  |  |
| Utilities: |  |  |  |  |
| Hydro ......................................................... | 6,003.112 | 80,031 | - | 52,398 |
| Therml . ........................................ . . . . . . . . . . | 339,917 | 3,218 | 5,662 | 63,904 |
| Total .................................................... | 6,343,029 | 83,249 | 5,662 | 116,302 |
| Industry: |  |  |  |  |
| Hydro .................................................. | 1,594,731 | 31,344 | - | 3,553 |
| Thermal ....................................... ............. | 151,660 | 993 | - | 9,397 |
| Totel . ...................................................... | 1,746,391 | 32,337 | - | 12,950 |
| Total net generation ....................................... | 8,089,420 | 115,586 | 5,662 | 129,252 |
| Energy imported: |  |  |  |  |
| From other provinces | ${ }^{\text {x x x }}$ | - | - | - |
| Prom United States ........................................... | 36,685 | - | - | - |
| Total . | 36,685 | - | - | - |
| Energy exported: |  |  |  |  |
| To other provinces .......................................... | xxx | 3,923 | - | 1,054 |
| To United States - primary | 110,668 | - | - | - |
| secondary | 288,982 | - | - | - ${ }^{-}$ |
| Total + ...................................................... | 399,650 | 3,923 | - | 1,054 |
| Energy made available in Candal | 7,726,455 | 111,663 | 5,662 | 128,198 |
| Amount used in electric boilers . | 410,056 | 10,431 | 5, | - |
| Energy made available less mount used in bollers | 7,316,399 | 101,232 | 5,662 | 128,198 |

Cumulative totals, January
July, 1959

| Net generation Utilities: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Hydro | 44,152,808 | 571,009 | - | 358,190 |
| Thermal | 3,073,964 | 14,510 | 39,233 | 489,150 |
| Total | 47,226,772 | 585,519 | 39,233 | 847,340 |
| Industry: |  |  |  |  |
| Hydro | 11,010,880 | 197,129 | - | 21,533 |
| Thermal | 1,176,671 | 12,689 | - | 66,609 |
| Total | 12,187,551 | 209,818 | - | 88,142 |
| Totel net generation | $59,414,323$ | 795,337 | 39,233 | 935.482 |
| Energy imported: |  |  |  |  |
| From other provinces | xxx | - | - | * |
| From United States | 311,331 | - | - | - |
| Total | 311,331 | - | - | - |
| Energy exported: |  |  |  |  |
| To other provinces | x $\mathbf{x}$ ¢ | 29,647 | - | 7,676 |
| To Onited States - $\begin{aligned} \text { primery } \\ \text { secondery }\end{aligned}$ | $\begin{array}{r} 734,947 \\ 2,018,085 \end{array}$ | - | - | - |
| Total ................... | $2,018,085$ $2,753,032$ | 29,647 | - | 7,676 |
| Energy made available in Canada ${ }^{1}$ Amount used in electric boiler. . | $56,972,622$ $3,706,464$ | $\begin{array}{r} 765,690 \\ 91,961 \end{array}$ | 39,233 | 927.806 |
| Energy made available less mount used in bollers | 53,266,158 | 673,729 | 39,233 | 927,806 |
| Total net generation | 7,666,103 | 110,530 | 4,941 | 121,062 |
| Total energy imported | 14,460 | - | - |  |
| Total energy exported | 390,831 | 3,230 | - | 714 |
| Total made avallable in Canadal | 7, 289, 732 | 107,300 | 4,941 | 120,348 |
| Amount used in electric boilers ....... | 440,925 | 14,955 | 4.91 | 120, ${ }^{-}$ |
| Total made avalible lest mount used in bollers | 6,848,807 | 92,345 | 4,941 | 120,348 |
| Total net generation | 55,898, 132 | 803,658 | 34,567 | 889,399 |
| Total energy imported | 133,999 | - | - | - |
| Total evergy exported .. | 2,347,661 | 21,042 | - | 5,515 |
| Total made available in Canadal | 53,684,470 | 782,616 | 34,567 | 883,884 |
| Amount used in electicic boilers ${ }^{\text {a }}$ | 3,578,749 | 95,395 | 34.567 | 983, 89 |
| Total made aviliable less mount used in boiler: | 50, 105,721 | 687,221 | 34,567 | 883,884 |

[^0]Electric Energy Made Available
July, 1959

| New Brunewick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | Britich <br> Columbia | Yukon and N.W.T. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Thousand kwhe) |  |  |  |  |  |  |  |
| 72,843 | 2,482,114 | 2,509,543 | 260,265 | 45,503 | 92,006 | 400,434 | 7,975 |
| 24,182 |  | 5,715 | -42 | 105,352 | 117,737 | 13,420 | 663 |
| 97,025 | 2,482,220 | 2,515,258 | 260,223 | 150,855 | 209,743 | 413.854 | 8,638 |
| 3,037 | 971,010 | 106,651 | 2,849 | 1,814 | - | 469,371 | 5,102 |
| 30,304 | 14,408 | 47,809 |  | 6,664 | 14,458 | 27,627 | - |
| 33,342 | 985,418 | 154,460 | 2,849 | 8,478 | 14,458 | 496,998 | 5,102 |
| 130.366 | 3,467,638 | 2,669;718 | 263,072 | 159,333 | 224,201 | 910,852 | 13,740 |
| 2,359 | 5,363 | 391,689 | 49,680 | 564 | 1,694 | 76 | - |
| 72 | 35 | 35,611 | - | - | 1,69 | 967 | - |
| 2,431 | 5,398 | 427,300 | 49,680 | 564 | 1,694 | 1,043 | - |
| - | 392,994 | 1,981 | 227 | 49,139 | 413 | 1.694 | - |
| 3,019 | 45,267 | 62,175 | 3 | - | - | 204 | - |
| 7,561 | 6,198 | 274,296 | 230 | 49.139 | 413 | 927 | - |
| 10,580 | 444,459 | 338,452 | 230 | 49,139 | 413 | 2,825 | - |
| 122,217 | 3,028,577 | 2,758, 566 | 312,522 | 110,758 | 225,482 | 909,070 | 13,740 |
| 85 | 352,031 | 25,939 | 17,581 | - | - | 1,290 | 2,699 |
| 122,132 | 2,676,546 | 2,732,627 | 294,941 | 110,758 | 225,482 | 907,780 | 11,041 |

Cumulative totals, Jenuary - July, 1959


Electric Enargy Made Available
Jenuary - July, 1959

| Month | Total net generstion | Imports from United States | Exports to United States | Total made svailable in Canada | Total made available Less amount used in boilers | Daily Average |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Total net generation | Total made avallable |
|  | (Thousand kwh.) |  |  |  |  |  |  |
| January .................. | 8,776,333 | 39,253 | 275,623 | 8,539,963 | 8,041,042 | 283,108 | 275,483 |
| Pebrusry ................. | 8,096,593 | 40,254 | 247,452 | 7,889,395 | 7,396,838 | 289,164 | 281,764 |
| March ................... | 8,813,393 | 41,070 | 339,652 | 8,514,811 | 7,907,845 | 284,303 | 274,671 |
| Apr11................... | 8,610,408 | 57,588 | 404,809 | 8,263,187 | 7,622,688 | 287,014 | 275,440 |
| May .................... | 8,738,330 | 72,116 | 604,658 | 8,205,788 | 7,597,859 | $281,881$ | $264,702$ |
| June | * 8,289,846 | 24,365 | 481,188 | * 7,833,023 | * 7,383,487 | $\text { + } 276,328$ | $\text { * } 261,101$ |
| July . .................... | 8,089,420 | 36,685 | 399,650 | $7,726,455$ | 7,316,399 | $20.9,949$ | $249.240$ |
| August ................ |  |  |  |  |  |  |  |
| September .................. |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| November ......... |  |  |  |  |  |  |  |
| December ................ |  |  |  |  |  |  |  |
| Total .................. |  |  |  |  |  |  |  |

Net generstion, 1949-1959
CANAMA


[^1]
[^0]:    1. Includes interruptable and at will energy and energy used in electric boilers.
[^1]:    * Revied.

