

OTTAWA - CANADA

Price: $\$ 1.00$ per year

## ELECTRIC POWER STATISTICS

May, 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 communities or selling small 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 entergy in Canada. In order to expedite collection and compilation of returns only firms which generate at least 10 million kilowatt hours per annam are asked to report monthly statistics. These firms, however, were found to have accounted for 99.1 per cent of total moduction in 195?.
 put less the amount used in station service. The amount made available in Canada is arrived at by deducting exports to the United States from the sum total of net generation and imports. Energy produced for use in electric boilers, which is the only form of secondary consumption that can be isolated for all provinces, is deducted from energy made available in order to produce a figure more closely approximating primary consumption.

Total net generation of electric energy in Canada by firms which produce 10 million kilowatt hours or more per annam amounted to $8,737,738$ megawatt hours in May 1959, an increase of 9.7 per cent over the $7,968,435 \mathrm{mwh}$ generated a year ago. Generation by utilities rose 13.3 per cent to $6,988,077$ uh while the industrial total declined 2.8 per cent to $1,749,661$ mph.

The amount of electric energy made available for use in Canada in May increased 6.4 per cent to $8,205,196$ mph from $7,715,229 \mathrm{mwh}$ in 1958 . Imports from the United States rose 218.3 per cent to 72,116 mph while exports were up 119.2 per cent to 604,658 mph. Electric energy used in electric boilers was up 18.9 per cent to 607,929 mph from 511,374 in May 1958, with the result that the amount shown as available after deducting energy used in electric boilers recorded an increase of 5.5 per cent to $7,597,267$ mph from $7,203,855$.

Net generation in the first five months of the year totalled $43,034,465$ mph compared with $40,765,788$ in the comparable period of 1958 , a gain of $2,268,677$ mph or 5.6 per cent. Energy made available less the amount used in electric boilers rose 6.0 per cent to $38,565,680$ meh from $36,381,290$.

Prepared in the Transportation and Public Utilities Section

## Electric Energy Made Avallable

May, 1959

|  | Canada | Newfoundland | Prince Edward Is land | Nova Scotia |
| :---: | :---: | :---: | :---: | :---: |
|  | (Thousand kwh.) |  |  |  |
| Net generation |  |  |  |  |
|  | 6,609,924 | 85,680 | - | 44,570 |
| Thermal *....-............... | 378,153 | 215 | 5,307 | 71,185 |
|  | $6,988,077$ | 85,895 | 5,307 | 115,755 |
| Industry: |  |  |  |  |
|  | 1,586,097 | 30,594 | - | 2,775 |
|  | 163,564 | +936 | - | $9,177$ |
|  | 1,749,661 | 31,530 | - | 11,952 |
| Total net generation ........................................ | 8,737,738 | 117,425 | 5,307 | 127,707 |
| Energy imported: |  |  |  |  |
|  | xxx | - | - | - |
| Prom United States | 72,116 | - | - | - |
| Total | 72,116 | - | - | - |
| Energy exported: |  |  |  |  |
|  | $\times \mathrm{kx}$ | 4,598 | - | 1,030 |
| To Unlted States - primary | 109,749 | - | - | 1,030 |
| secondary | 494,909 | - ${ }^{-}$ | - | , |
|  | 604,658 | 4,598 | - | 1,030 |
|  | 8,205,196 | 112,827 | 5,307 | 126,677 |
| Amount used in electric bollers........................... | 607,929 | 13,000 | - | - |
| Energy made available less amount used in boilers .......... | $7,597,267$ | 99,827 | 5,307 | 126,677 |

Cumulative totals, January = May, 1959


[^0]Electric Bnergy Made Available
May, 1959

| New Bruntwick | Quebec | Ontario | Manitoba | Saskatchaws | Alberta | British Col umbia | Yukon and N.W.T. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Thousand kwh.) |  |  |  |  |  |  |  |
| 96,375 | 2,676,142 | 2,846,465 | 286,595 | 43.179 | 54,501 | 468,631 | 7.786 |
| 6,648 | 29 | 2,192 | 4,427 | 110,079 | 164,466 | 12,936 | 669 |
| 103,023 | 2,676,171 | 2,848,657 | 291,022 | 153,258 | 218,967 | 481,567 | 8,455 |
| 8,293 | 938,111 | 113,939 | 3,205 | 1,786 | - | 483,184 | 4.210 |
| 30,418 | 16,819 | 44,673 | - | 5,754 | 19,409 | 36,378 | - |
| 38,711 | 954,930 | 158,612 | 3,205 | 7,540 | 19,409 | 519,562 | 4,210 |
| 141,734 | 3,631,101 | 3,007,269 | 294,227 | 160,798 | 238,376 | 1,001,129 | 12,665 |
| 2,285 | 21,198 | 325,029 | 46,248 | 652 | 3,477 | 3 | - |
|  | 41 | 70,923 | - | - | - | 1,150 | - |
| 2,287 | 21,239 | 395,952 | 46,248 | 652 | 3,477 | 1,153 | * |
| = | 326,284 | 17,292 | 236 | 45,556 | 419 | 3,477 | - |
| 3,720 | 43,513 | 62,407 | 3 | - | - | 106 | - |
| 13,805 | 2,907 | 477,136 | - | - | - | 1,061 | - |
| 17,525 | 372,704 | 556,835 | 239 | 45,556 | 419 | 4,644 | - |
| 126,496 | 3,279,636 | 2,846,386 | 340, 236 | 115,894 | 241,434 | 997,638 | 12,665 |
| 481 | 486,021 | 65,033 | 36,150 | - | - $=$ | 5,410 | 1,834 |
| 126,015 | 2,793,615 | 2,781,353 | 304,086 | 115,894 | 241,434 | 992,228 | 10,831 |

Cusulative tocall, Jenuary - May, 1959

| $\begin{array}{r} 319,582 \\ 155,606 \\ 475,188 \end{array}$ | $\begin{array}{r} 13,711,858 \\ 18,044 \\ 13,729,902 \end{array}$ | $\begin{array}{r} 12,697,802 \\ 255,467 \\ 12,953,269 \end{array}$ | $\begin{array}{r} 1,508,331 \\ 28,829 \\ 1,537,160 \end{array}$ | $\begin{aligned} & 235,537 \\ & 598,798 \\ & 834,335 \end{aligned}$ | $\begin{array}{r} 322,102 \\ 859,723 \\ 1,181,825 \end{array}$ | $\begin{array}{r} 2,442,291 \\ 77,305 \\ 2,519,596 \end{array}$ | $\begin{array}{r} 41,082 \\ 3,000 \\ 44,082 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r} 21,703 \\ 173,646 \\ 195,349 \end{array}$ | $\begin{array}{r} 4,547,714 \\ 80,158 \\ 4,627,872 \end{array}$ | 577,448 240,905 818,353 | $\begin{array}{r} 16,304 \\ 11 \\ 16,315 \end{array}$ | $\begin{array}{r} 8,832 \\ 30,490 \\ 39,322 \end{array}$ | $\begin{aligned} & 98,952 \\ & 98,952 \end{aligned}$ | $\begin{array}{r} 2,481,397 \\ 177,889 \\ 2,659,286 \end{array}$ | 17,632 <br> 17,632 |
| 670,537 | 18,357,774 | 13,771,622 | 1,553,475 | 873,657 | 1,280,777 | 5,178,882 | 61,714 |
| $\begin{array}{r} 9,740 \\ 376 \\ 10,116 \end{array}$ | 44.997 <br> 245 <br> 45,242 | $\begin{array}{r} 2,255,985 \\ 243,748 \\ 2,499,733 \end{array}$ | $\begin{array}{r} 259,929 \\ 259,929 \end{array}$ | $\begin{aligned} & 3,569 \\ & 3,569 \end{aligned}$ | $12,194$ $12,194$ | $\begin{aligned} & 1,586 \\ & 5,912 \\ & 7,498 \end{aligned}$ | - |
| $\begin{aligned} & 13,228 \\ & 44,740 \\ & 57,968 \end{aligned}$ | $\begin{array}{r} 2,260,152 \\ 200,858 \\ 16,692 \\ 2,477,702 \end{array}$ | $\begin{array}{r} 34,732 \\ 300,042 \\ 1,291,313 \\ 1,626,087 \end{array}$ | $\begin{array}{r} 1,292 \\ 14 \\ 1,306 \end{array}$ | $\begin{array}{r} 247,823 \\ 247,823 \end{array}$ | $\begin{array}{r} 3,864 \\ 3, \\ 3,864 \end{array}$ | $\begin{array}{r} 12,194 \\ 498 \\ 4,809 \\ 17,501 \end{array}$ | $\begin{array}{r}- \\ \hline- \\ \hline\end{array}$ |
| $\begin{array}{r} 622,685 \\ 837 \\ 621,848 \end{array}$ | $\begin{array}{r} 15,925,314 \\ 2,285,180 \\ 13,640,134 \end{array}$ | $\begin{array}{r} 14,645,268 \\ 247,711 \\ 14,397,557 \end{array}$ | $\begin{array}{r} 1,812,098 \\ 180,940 \\ 1,631,258 \end{array}$ | $\begin{aligned} & 629,403 \\ & 629,403 \end{aligned}$ | $\begin{aligned} & 1,289,107 \\ & 1,289,107 \end{aligned}$ | $\begin{array}{r} 5,168,879 \\ 46,246 \\ 5,122,633 \end{array}$ | $\begin{array}{r} 61,714 \\ 9,745 \\ 51,969 \end{array}$ |
| $\begin{array}{r} 131,862 \\ 1,997 \\ 15,296 \\ 118,563 \\ 543 \\ 118,020 \end{array}$ | $\begin{array}{r} 3,702,287 \\ 4,234 \\ 568,522 \\ 3,137,999 \\ 446,145 \\ 2,691,854 \end{array}$ | $\begin{array}{r} 2,298,816 \\ 546,323 \\ 218,751 \\ 2,626,388 \\ 20,250 \\ 2,606,138 \end{array}$ | $\begin{array}{r} 258,553 \\ 49,386 \\ 441 \\ 307,498 \\ 26,578 \\ 280,920 \end{array}$ | $\begin{array}{r} 150,015 \\ 181 \\ 48,430 \\ 101,766 \\ 101,766 \end{array}$ | $\begin{array}{r} 198,970 \\ 586 \\ 50 \\ 199,506 \\ 199,506 \end{array}$ | $\begin{array}{r} 970,375 \\ 1,074 \\ 1,671 \\ 969,778 \\ 3,183 \\ 966,595 \end{array}$ | $\begin{array}{r} 11,528 \\ = \\ 11,528 \\ 2,820 \\ 8,708 \end{array}$ |
| $\begin{array}{r} 623,914 \\ 10,661 \\ 58,564 \\ 576,011 \\ 1,396 \\ 574,615 \end{array}$ | $\begin{array}{r} 18,359,970 \\ 20,862 \\ 2,681,137 \\ 15,699,695 \\ 2,285,231 \\ 13,414,464 \end{array}$ | $\begin{array}{r} 12,361,495 \\ 2,589,637 \\ 1,432,061 \\ 13,519,071 \\ 119,425 \\ 13,399,646 \end{array}$ | $\begin{array}{r} 1,480,696 \\ 256,766 \\ 41,989 \\ 1,695,473 \\ 244,794 \\ 1,450,679 \end{array}$ | $\begin{array}{r} 794,341 \\ 1,090 \\ 254,666 \\ 540,765 \\ 540,765 \end{array}$ | $\begin{array}{r} 1,069,001 \\ 3,173 \\ 1,480 \\ 1,070,694 \\ 1,070,694 \end{array}$ | $\begin{array}{r} 4,762,695 \\ 9,674 \\ 8,224 \\ 4,764,145 \\ 46,502 \\ 4,717,643 \end{array}$ | $\begin{array}{r} 50,649 \\ \vdots \\ 50,649 \\ 10,819 \\ 39,830 \end{array}$ |

Electric Energy Made Available
Januery - May, 1959


Net generation, 1949-1959
CANADA

| Year | and month | Utilities |  |  | Industry |  |  | Grand total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Hydro | Thermal | Total | Hydro | Thermal | Total |  |
|  |  | (Thousend kwh.) |  |  |  |  |  |  |
| 1949 | ...-.0.0.-.......... | 35,783,737 | 1,390,562 | 37,174,299 | n.e. | n. ${ }^{\text {a }}$ | 12,889,749 | 50,064,048 |
| 1950 | ................... | 39,342,277 | 1,647,557 | 40,989,834 | n.e. | ", | 13,428,593 | 54,418,427 |
| 1951 |  | 45,819,227 | 1,732,652 | 47,551,879 | " | " | 13,369,527 | 60,921,406 |
| 1952 | ..................... | 49,156, 895 | 2,222,115 | 51,379,010 | " | " | 14,086,950 | 65,465,960 |
| 1953 |  | 49, 160,361 | 3,797,345 | 52,957,706 | " | " | 16,400,824 | 69,358,530 |
| 1954 |  | 51,713,904 | 3,178,434 | 54, 892,338 | " | " | 17,547,555 | 72,439,893 |
| 1955 | ...................... | 57,996,293 | 3,197,153 | 61, 193,446 | " | " | 28,381,161 | 79,574,607 |
| 1956 |  | 64,014, 072 | 4,292,898 | 68,306, 970 | " | " | 19,119,968 | 87, 426,938 |
| 1957 | .................... | 65,817,043 | 5,572,995 | 71,390,038 | 17, 155,908 | 1,702,865 | 18,858,773 | 90,248,811 |
| 1958 | - Total .......... | 70,838,966 | 4,690,734 | 75,529,700 | 19,409,459 | 1,804,558 | 21,214,017 | 96,743,717 |
|  | January ............ | 6,294,539 | 437,663 | 6,732,202 | 1,699,573 | 132,663 | 1,832,236 | 8,564,438 |
|  | February ........... | 5,688,336 | 427,520 | 6,115,856 | 1,541,393 | 138,529 | 1,679,922 | 7,795,778 |
|  | March | $6,217,035$ | 388,804 | 6,605,839 | 1,725,354 | 155,504 | 1,880,858 | 8,486,697 |
|  | April . ............. | 5,811,395 | 328,608 | 6,140,003 | 1,661,061 | 149,376 | 1,810,437 | 7,950,440 |
|  | May . .............. | 5,832,160 | 335,807 | 6,167,967 | 1,644, 054 | 156,414 | 1,800,468 | 7,968,435 |
|  | June | 5,473,119 | 304,447 | 5,717,566 | 1,541,104 | 147,571 | 1,688,675 | 7,466,241 |
|  | July ............... | 5,633,549 | 314,498 | 5,948,047 | 1,576,529 | 141,527 | 1,718,056 | $7,666,103$ |
|  | August............ | 5,524,523 | 370,450 | 5,894,973 | 1,533,121 | 150,440 | 1,683,561 | 7,578,534 |
|  | September .. | 5,437,419 | 456,152 | 5,893,571 | 1,571,962 | 151,425 | 1,723,387 | 7,616,958 |
|  | October .... | 6,112,363 | 413,432 | $6,525,795$ | 1,659,406 | 159,154 | 1,818,560 | 8,344,355 |
|  | Noveruber | $6,289,767$ | 399,863 | 6,689,630 | 1,614,899 | 159,266 | 1,774,165 |  |
|  | December | 6,524,761 | 513,490 | 7,038,251 | 1,641,003 | 162,689 | 1,803,692 | 8,841,943 |
| 1959 |  |  |  |  |  |  |  |  |
|  | January ........... | 6,411,494 | *612,213 | *7,023,707 | 1,573,003 |  |  |  |
|  | Pebruary | 5,916,609 | *543,236 | *6,459,845 | 1,462,624 | 174,124 | 1,636,748 | *8,096,593 |
|  | March | 6,511,897 | * 486,023 | *6,997,920 | 1,634,633 | 180,840 | 1,815,473 | *8,813,393 |
|  | April <br> May | $6,503,041$ $6,609,924$ | $* 378,947$ 378,253 | *6,881,988 | 1,565,435 | 162,985 | 1,728,420 | *8,610,408 |
|  | May . .**............. | 6,609,924 | 378,153 | 6,988,077 | 1,586,097 | 163,564 | 1,749,661 | 8,737,738 |
|  | July .............. |  |  |  |  |  |  |  |
|  | Auguse ............ |  |  |  |  |  |  |  |
|  | September .......... |  |  |  |  |  |  |  |
|  | October .... |  |  |  |  |  |  |  |
|  | November <br> December |  |  |  |  |  |  |  |

[^1]
[^0]:    1. Includes interruptable and at wil energy and energy used in electric boilerg.
[^1]:    * Revised.

