

# DOMINION BUREAU OF STATISTICS 

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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 energy in Canada. In order to expedite collection and compilation of returns 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 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 annum amounted to $8,213,269$ megawatt hours in September 1959, an increase of 7.8 per cent over the $7,616,958$ mwh generated a year ago. Generation by utilities rose 10.5 per cent to $6,514,741$ mwh while the industrial total decreased 1.5 per cent to $1,698,528$ mwh.

The amount of electric energy made available for use in Canada in September increased 8.3 per cent to $7,944,523$ wwh from $7,336,163$ mwh in 1958. Imports from the United States rose 27,204 mwh to 55,014 from 27,810 while exports were up only 15,155 mwh to 323,760 mwh. Since energy used in electric boilers declined 4.5 per cent to 403,287 mwh from 422,412 in September 1958 , the amount available after deducting energy used in electric boilers increased 9.1 per cent to 7,541,236 miwh from 6,913,751.

Net generation in the first Nint months of the year totalled $77,630,710$ mwh compared with $71,093,624$ in the comparable period of 1958 , a rise of $6,537,086$ mwh or 9.2 per cent. Energy made available less the amount used in electric boilers rose 11.3 per cent to $71,121,474 \mathrm{mwh}$ from $63,913,751$.

Prepared in the Transportation and Public Utilities Section

|  | Canada | Newfoundland | Prince Edward Island | $\begin{aligned} & \text { Novit } \\ & \text { Scotia } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | (Thousand kwh.) |  |  |  |
| Net generation |  |  |  | Utilities: |
| Hydro ..................................................... | 6,085,150 | 74,909 | - | 46,073 |
| Thermal | 429,591 | 3,067 | 5,696 | 73,982 |
| Total | 6,514,741 | 77,976 | 5,696 | 120,055 |
| Industry: |  |  |  |  |
| Hydro ............................................................. | 1,534,875 | 29,729 | - | 3,218 |
| Therrsi .................................................... | 163,653 | -939 | - | 9,186 |
| Total | 1,698,528 | 30,668 | - | 12,404 |
| Total net generation ..................................... | 8,213,269 | 108,644 | 5,696 | 132,459 |
| Energy imported: |  |  |  |  |
| From other provinces ....................................... | x xax | - | - | - |
| Fram United States | $55,014$ | - | - | - |
|  | $55,014$ | - | - | - |
| Energy exported: |  |  |  |  |
| To other provinces ............................................ | yox | 3,828 | - | 1,128 |
| To United States - primary | $\begin{array}{r}98,148 \\ \hline 25\end{array}$ | - | - | - |
| Total ........................................................................ | 225,612 323,760 | 3,828 | - | 1,128 |
| Energy made available in Canadal | 7,944,523 | 104,816 | 5,696 | 131,331 |
| Amount used in electric bollers. | 403,287 | 153 |  |  |
| Emergy made available less amount produced for bollers .. | 7,541,236 | 104,663 | 5,696 | 131,331 |

Cumulative totals, January - September 1959


[^0]September 1959

| New Brunswlck | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | Britich Columbin | Yukon and N.W.T. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Thousand kwh.) |  |  |  |  |  |  |  |
| 74,860 | 2,679,427 | 2,367,039 | 274,562 | 44,303 | 53,157 | 462,663 | 8.157 |
| 23,106 |  | , 21,404 | 2,007 | 115,266 | 170,126 | 14,195 | $\begin{array}{r}713 \\ \hline 870\end{array}$ |
| 97,966 | 2,679,456 | $2,388,443$ | 276,569 | 159.569 | $223,283$ | 476,858 | 8,870 |
| 2,776 35,958 | 915,945 | 111,022 | 3,139 | 1.322 | 22.445 | 463,536 | 4,188 |
| 35,958 38,734 | 16,459 932,404 | 45,256 156,278 | 3,146 | 7,250 8,572 | 22,445 22,445 | 26,153 489,689 | 4,188 |
| 136,700 | 3,611,860 | 2,544,721 | 229,715 | 168,141 | 245,728 | 966,547 | 13,058 |
|  | 5,047 36 | 480,381 | 54,783 | 619 | 4,086 | 1 | - |
| 2.434 | 5,083 | 434,141 | 54,783 | 619 | 4,086 | 1,182 | - |
| - | 481,650 | 8,377 | 254 | 47,625 | 366 | 4,086 | - |
| 2,922 | 40.740 | 54,362 | - | - | - | 120 | - |
| 9,164 | 7,178 | 208,128 | - | 47, | - | 1,142 | - |
| 12,086 | 529,568 | 270,867 | 254 | 47,625 | 366 | 5,348 | - |
| 127,048 | 3,087,375 | 2,707,995 | 284,244 | 121,135 | 249,448 | 962,381 | 13,058 |
|  | 337.242 | 26,007 | 33,397 |  | - | 3,823 | 2,666 |
| 127,048 | 2,750,133 | 2,681,988 | 250,847 | 121,135 | 249,448 | 958,558 | 10,392 |

Cumulacive totals, January - September 1959

| $\begin{array}{r} 65,977 \\ 36,893 \\ 865,870 \end{array}$ | $\begin{array}{r} 23,954,975 \\ 18,308 \\ 23,973,283 \end{array}$ | $\begin{array}{r} 22,602,881 \\ 308,254 \\ 22,911,135 \end{array}$ | $\begin{array}{r} 2,564,567 \\ 32,581 \\ 2,597,148 \end{array}$ | $\begin{array}{r} 417,259 \\ 1,035,271 \\ 1,452,530 \end{array}$ | $\begin{array}{r} 616,964 \\ 1,424,152 \\ 2,041,116 \end{array}$ | $\begin{array}{r} 4,180,406 \\ 131,549 \\ 4,311,955 \end{array}$ | $\begin{array}{r} 72,956 \\ 5,587 \\ 78,543 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r} 36,114 \\ 34,972 \\ 341,086 \end{array}$ | $\begin{array}{r} 8,371,167 \\ 143,983 \\ 8,515,150 \end{array}$ | $\begin{array}{r} 1,014,003 \\ 424,069 \\ 1,438,072 \end{array}$ | 28,447 <br> 28,465 | 15,555 <br> 57,888 <br> 73,443 | $\begin{aligned} & 176,072 \\ & 176,072 \end{aligned}$ | $\begin{array}{r} 4,341,460 \\ 288,480 \\ 4,629,940 \end{array}$ | $\begin{array}{r} 36,719 \\ 36,719 \end{array}$ |
| 1,206,956 | $32,488,433$ | 24,349,207 | 2,635,613 | 1,525,973 | 2,217,188 | 8,911,895 | 115,262 |
| $\begin{array}{r} 19,229 \\ 583 \\ 19,812 \end{array}$ | $\begin{array}{r} 65,174 \\ 394 \\ 65,568 \end{array}$ | $\begin{array}{r} 3,982,923 \\ 407,721 \\ 4,390,644 \end{array}$ | $\begin{array}{r} 465,634 \\ 465,634 \end{array}$ | $\begin{aligned} & 5,854 \\ & 5,854 \end{aligned}$ | $\begin{array}{r} 22,930 \\ 22,930 \end{array}$ | $\begin{array}{r} 1,719 \\ 10,298 \\ 12,017 \end{array}$ | - |
| $\begin{array}{r} 26,655 \\ 80,030 \\ 106,685 \end{array}$ | $\begin{array}{r} 3,992,267 \\ 371,040 \\ 40,489 \\ 4,403,796 \end{array}$ | $\begin{array}{r} 50,041 \\ 539,969 \\ 2,341,800 \\ 2,931,810 \end{array}$ | $\begin{array}{r} 2,176 \\ 23 \\ 2,199 \end{array}$ | 443,464 $=$ 443,464 | $\begin{array}{r} 5,398 \\ = \\ 5,398 \end{array}$ | $\begin{array}{r} 22,930 \\ 1,174 \\ 8,914 \\ 33,018 \end{array}$ | - |
| $\begin{array}{r} 1,120,083 \\ 1,173 \\ 1,118,910 \end{array}$ | $\begin{array}{r} 28,151,205 \\ 3,719,247 \\ 24,431,958 \end{array}$ | $\begin{array}{r} 25,808,041 \\ 359,961 \\ 25,448,080 \end{array}$ | $\begin{array}{r} 3,099,048 \\ 267,368 \\ 2,831,680 \end{array}$ | $\begin{aligned} & 1,088,363 \\ & 1,088,363 \end{aligned}$ | $\begin{aligned} & 2,234,720 \\ & 2,234,720 \end{aligned}$ | $\begin{array}{r} 8,890,894 \\ 55,464 \\ 8,835,430 \end{array}$ | $\begin{array}{r} 115,262 \\ 20,190 \\ 95,072 \end{array}$ |
| $\begin{array}{r} 125,784 \\ 2,164 \\ 12,890 \\ 115,058 \\ 115,058 \end{array}$ | $\begin{array}{r} 3,409,318 \\ 4,762 \\ 525,135 \\ 2,888,945 \\ 373,694 \\ 2,515,251 \end{array}$ | $\begin{array}{r} 2,301,445 \\ 504,949 \\ 265,501 \\ 2,540,893 \\ 32,350 \\ 2,508,543 \end{array}$ | $\begin{array}{r} 219,450 \\ 60,828 \\ 209 \\ 280,069 \\ 976 \\ 279,093 \end{array}$ | $\begin{array}{r} 150,311 \\ 206 \\ 45,383 \\ 105,134 \\ 105,134 \end{array}$ | 209,017 <br> 3,115 <br> 30 <br> 21.2,102 <br> 212,102 | $\begin{array}{r} 954,604 \\ 962 \\ 4,164 \\ 951,402 \\ 4,897 \\ 946,505 \end{array}$ | $\begin{array}{r} 11,993 \\ = \\ 11,993 \\ 2,587 \\ 9,406 \end{array}$ |
| $\begin{array}{r} 1,129,386 \\ 18,713 \\ 111,033 \\ 1,037,066 \\ 2,453 \\ 4,034,613 \end{array}$ | $\begin{array}{r} 32,150,838 \\ 38,226 \\ 4,833,666 \\ 27,355,398 \\ 3,443,302 \\ 23,912,096 \end{array}$ | $\begin{array}{r} 21,340,257 \\ 4,640,958 \\ 2,522,245 \\ 21,198,146 \\ 232,574 \\ 20,965,572 \end{array}$ | $\begin{array}{r} 2,381,811 \\ 458,954 \\ 42,714 \\ 2,798,051 \\ 195,864 \\ 2,602,187 \end{array}$ | $\begin{array}{r} 1,379,949 \\ 1,805 \\ 436,836 \\ 944,918 \\ 944,918 \end{array}$ | $\begin{array}{r} 1,872,972 \\ 10,689 \\ 1,607 \\ 1,882,054 \\ 1,882,054 \end{array}$ | $\begin{array}{r} 8,542,472 \\ 14,006 \\ 20,186 \\ 8,536,292 \\ 64,469 \\ 8,471,823 \end{array}$ | $\begin{array}{r} 98,253 \\ \overline{\%} \\ 98,253 \\ 19,851 \\ 78,402 \end{array}$ |

Electric Energy Made Available
January - September, 1959

| Month | Total net generation | Imports from United States | Exports to United States | Total made available in Canada | Total made available less amount used in boxlers | Daily Averag |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | 1 net eration |  | $\begin{aligned} & 1 \text { madu } \\ & \text { lable } \end{aligned}$ |
|  | (Thousand kwh.) |  |  |  |  |  |  |  |  |
| January ................. | 8,776,333 | 39,253 | 275,623 | 8,539,963 | 8,041,042 | 283,108 |  | 275,483 |  |
| February ................. | 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 |  |
| April ................... | 8,610,408 | 57,588 | 404,809 | 8,263,187 | 7,622,688 | 287,014 |  | 275,440 |  |
|  | 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 | 276,328 |  | 261, 101 |  |
| July .................... | 8,084,939 | 36,685 | 399,650 | 7,721,974 | 7,311,918 | * | 260,804 |  | 249,095 |
| August ................ | * 8,107,608 | 52,647 | 333,306 | * 7,826,949 | * 7,417,312 |  | 270,254 | * | 260,868 |
| September ............... | 8,213,269 | 55,014 | 323,760 | 7,944,523 | 7,541,236 |  | 273,776 |  | 264,817 |
| October ................ |  |  |  |  |  |  |  |  |  |
| November ................ |  |  |  |  |  |  |  |  |  |
| December . ............... |  |  |  |  |  |  |  |  |  |
| Total ................ |  |  |  |  |  |  |  |  |  |

Net generation, 1949-1959
CANADA


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

