# DOMINION BUREAU OF STATISTICS <br> OTTAWA - CANADA 

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## Memorandum



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Monthly electric power statistics have been published on the present basis since January 1957. The "Central Electric Stations" series discontinued et thet time dealt exclusively with power produced for sale, whether by ucilities or by industrial establishments servicing adjoining commities 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 co expedite collection and compllation 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 98.8 per cent of total production in 1956. With the addition of new firms to the large power class and with the growth of those now included it is expected that this proportion will continue to increase from year to year.

Net generation as defined for the purpose of this series means total output less the smount 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 fmports. Energy made aveilable includes power produced for use in electric bollers, the amounts of which are reported separately for each province.

An historical series on the new basis has been compiled beck to the year 1949. Canade totals appear on psge 4 of this report while those for the provinces were published in a specisl supplement to the June 1957 report.

Total net generation of electric energy in Canada by firms which produce 10 million kilowatt hours or more per annum amounted to $8,347,092$ megawatt hours in October 1958 , an increase of 3.9 per cent over the $8,030,169$ mh generated a year ago. Imports from the united States fell 76.9 per cent to 23,599 wht while exports declined 13.7 per cent to 338,334 moh. Electric energy made available for use in Canada in October increased 3,7 per cent to $8,032,357$ wowh from $7,747,843$ a year ago. Of the total made avallable 419,961 mat were for use in electric boilers as compared with 343,467 ush in october 1957.

Generation by utilities increased 4.6 per cent to $6,525,810$ mhelle that by industry rose 1.6 per cent to $1,821,282$ mwh. A $15,625 \mathrm{k} . \mathrm{v}$.a. turbine generator was placed in industrial service in New Brunswick during october. The small increase in October industrial production in contrast to the large increases recorded in recent months marked the return to normal production of the Arvida plant of the Aluminum Company of Canada following the May = October strike in 1957.

Provincial totals of production of electric energy during october are as follows (1957 data in brackets). Quebec, 3,785,647 mwh (3,594,512); Ontario, 2,464,241 mew (2,505,802); British Columbia, 1,035, 144 mwh $(930,262)$; Manitoba, 257,523 mwh (270,279); Alberta, 229,080 mwh (201,013); Saskatchewan, 162,805 moh ( 146,648 ) ; Nove Scotia, 139,636 mwh ( 127,504 ); New Brungwick, 137,458 mwh (116,531); Newfoundland, 118,459 uwh ( 122,888 ); Yukon and Northwest Territories, 11,591 mwh $(9,741)$; and Prince Edward Island, 5,508 mwh $(4,989)$

Prepared in the Transportation and Public utilities section

Electric Energy Made Available
October, 1958


Cumalative totals, January = October, 1958

| Net generation Utilities |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Hydro | 58,024,481. | 810,149 | - | 504,171 |
| Thermal | 3,777,353 | 6,584 | 50,285 | 640,6? |
| Total | 61,801,834 | 816,733 | 50,285 | 1,144, 745 |
| Industry : |  |  |  |  |
| Hydro | 16,256,691 | 393,283 | - | 32,56\% |
| Thermal | 1,482,191 | 26,519 | - | 97,100 |
| Total | 17,738,882 | 419,802 | - |  |
| Total net generation | 79,540,716 | 1,236,535 | 50,285 | 1,274,469 |
| Energy imported: <br> From other provinces |  | 8,425 |  |  |
| From United States. | 200,818 | 8,425 | - | - |
| Total | 200,818 | 8,425 | - |  |
| Energy exported: |  |  |  |  |
| To other provinces ....................... | 1,049, ${ }_{\text {xxx }}$ | 39,136 | - | 7,924 |
| To United States - primary ............. | $1,049,442$ $2,285,939$ | - | - | - |
|  | $2,285,939$ $3,335,381$ | 39,136 | - | $7,924$ |
| Energy mate available in Canada 1 | 76,406,153 | 1,205,824 | 50,285 | 1,266,545 |
| Amount used in electric bodlers. | 3,819,189 | 128,905 | - | - |
| October. 1957 |  |  |  |  |
| Total net generation ........................... | 8,030,169 | 122,888 | 4,989 | 127,504 |
| Total energy imported | 102, 255 | 6 | - | - |
| Total energy exported | -384,581 | 3,686 | - | 799 |
| Total mavailable in Canada $1 . . . . . . . . .$. | 7,747,843 | 119,202 | 4,989 | 126,705 |
| Used in electric boilers | 343,467 | 13,005 | - | - |
| Jamuary - October, 1957 |  |  |  |  |
| Total net generation .............................. | 73,849,127 | 1, 104,146 | 45,831 | 1,217,951 |
| Total energy imported ............................. | 729, 238 | - | . | - |
| Total energy exported | 3,983,382 | - 36,630 | - - | 7.084 |
| Total made available in Canada | $70,594,983$ | $1,067,516$ | 45.831. | 1,210,867 |
| Used in electric boilers | 1,892,244 | $79,611$ | - | - |

[^0]Electric Energy Made Available
October, 1958


Cumalative totals, Janusry - October, 1958


October, 1958

| Month | Total net generation | Imports from United States | Exports to United States | Total made available <br> in Canada | Daily Average |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Total net generation | Total made: avallable |
|  | (Thousand kwh.) |  |  |  |  |  |
| January .. | $8,564,438$ | 23,390 | 335,350 | 8,252,478 | 276,272 |  |
| February . | 7,795,778 | 21,053 | 293,032 | 7,523,799 | 278,421 | $268,707$ |
| Maxch .. | 8,486,697 | 12,500 | 441,702 | 8,057,495 | 273,764 | 259,919 |
| April | 7,950,440 | 16,000 | 354,935 | 7,611,505 | 265,015 | 253,717 |
| May | 7,968,435 | 22,656 | 275,862 | 7,715,229 | 257,046 | 248,878 |
| June | 7,466,241 | 23,940 | 255,949 | 7,234,232 | 248,875 | 241, 1, 1 |
| July | $7,666,103$ | 14,460 | 390,831 | 7,289, 732 | 247,294 | 235,153 |
| August .. | 7,578,534 | 15,410 | 340, 781 | 7,253,163 | 244,468 | 233,973 |
| September | *7,616,958 | 27,810 | * 308,605 | *7,336,163 | *253,899 | *244,539 |
| October. | 8,347,092 | 23,599 | 338,334 | 8,032,357 | 269,261 | 259,108 |
| November ..................... |  |  |  |  |  |  |
| December |  |  |  |  |  |  |
| Total . |  |  |  |  |  |  |

Net generation, 1949-1958
CANADA



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