# Historica: File Copy <br> $\frac{\left.\begin{array}{c}\text { CATALOGUE No. } \\ 57-001 \\ \text { Monthly }\end{array}\right)}{\text { Vol. } 28 \text { No. } 5}$ <br> DOMINION BUREAU OF STATISTICS <br> OTTAWA - CANADA <br> Published by Authority of the Hon. Gordon Churchill, Minister of Trade and Commerce <br> <br> ELECTRIC POWER STATISTICS <br> <br> ELECTRIC POWER STATISTICS <br> May, 1960 <br> Monthly electric power statistics are designed fo provide current informa- 

 tion 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. Thesefirms, 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 generate 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 available 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 $9,367,828$ megawatt hours in May, 1960 , a rise of 7.2 per cent over the $8,738,330$ wwh. generated one year ago. Generation by utilities rose 5.8 per cent to $7,391,110$ mwh. while production by industrial establishments increased 13.0 per cent to $1,976,718$ wwh.

The amount of electric energy made available for use in Canada in May rose 7.9 per cent to $8,856,858$ uwh. from $8,205,788$ in 1959. Net exports to the United States decreased 4.1 per cent with imports down 46,612 mwh. to 25,504 and exports down 68,184 to 536,474 .

Electric energy used in electric boilers showed a decline of 4.9 per cent to 578,381 mwh. with the result that the amount remaining for largely non-secondary uses increased 9.0 per cent to $8,278,477$ from $7,597,859$.

|  | Canada | Newfoundland | Prince Edward Island | Nova Scotia |
| :---: | :---: | :---: | :---: | :---: |
| Net generation (Thousand kwh.) | (Thousand kwh.) |  |  |  |
| Utilities: |  |  |  |  |
| Hydro. |  | 86,836 | 5,865 |  |
| Thermal | 703,964 | 328 | 5,865 | $65,783$ |
| Total ........................................... ${ }_{\text {Ta }}$ |  |  |  |  |
| Industry: |  |  |  |  |
|  | $1,778,286$ 198,432 | 33,371 1,796 | - | 3,803 8,802 |
| Total | 1,976,718 | 35,167 | - | 12,605 |
| Total net generation | 9,367,828 | 122,331 | 5,865 | 137,277 |
| Energy lmported: |  |  |  |  |
| From United States | 25,504 | - | - | - |
| Total ....... | 25,504 | - | - | - |
| Energy exported: |  |  |  |  |
| To ogher provinces | $\mathbf{x x x}$ | 6,838 | - | 1.104 |
| To United States - primary | 109,476 | - | - | - |
| secondery | 426,998 | - | - | - |
| Total .................. | 536,474 | 6,838 | - | 1,104 |
| Bnergy made avallable in Canadel | 8,856,858 | 115,493 | 5,865 | 136,173 |
| Amount used in electric boilers | 578,381 | 5,063 | - | - |
| Prergy made avalimble less amount used in boilers | 8,278,477 | 110,430 | 5,865 | 136,173 |

Cumulative totals, January - May, 1960

| Net generation Utilities: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Hydro | 35,417,246 | 464,792 | - | 330,915 |
| Therme 1 | 2,316,019 | 4,319 | 31,704 | 335,3211 |
| Total | 37,733,265 | 469,111 | 31,704 | 666,235 |
| Industry: |  |  |  |  |
| Hydro | 9,468,474 | 145,944 | - | 18,380 |
| Thermal | 981,084 | 11,779 | - | 44,742 |
| Totel | 10,449,558 | 157,723 | - | 63,122 |
| Totel net generation | 48,182,823 | 626,834 | 31,704 | 729,357 |
| Bnergy imported: <br> From other provinces | xxx | - | = | - |
| From United States | 146,574 | - | - | - |
| Total | 146,574 | - | - | - |
| Energy exported: |  |  |  |  |
| To other provinces | xxx | 30,801 | - | 6,476 |
| To United States - primary | $528,359$ |  | - | - |
| Total .................. | $1,613,974$ $2,142,333$ | 30,801 | - | 6,476 |
| Energy made muallable in Canadal | 46,187,064 | 596,033 | 31,704 | 722,881 |
| Amount used in electric boilers | 3,400,519 | 50,120 | - |  |
| Energy made avallable less amount used in boilers | 42,786,545 | 545,913 | 31,704 | 722,881 |
| May, 1959 |  |  |  |  |
| Total net generation | 8,738,330 | 117,425 | 5,307 | 127,707 |
| Total energy imported | 72,116 | - - | - |  |
| Totsl energy exported | 604,658 | 4,598 | - | 1,030 |
| Total made available in Canada ${ }^{1}$ | 8,205,788 | 112,827 | 5,307 | 126,677 |
| Amount used in electric boilers | 607,929 | 13,000 | - | - |
| Total made available less amount used in boilers | 7,597,859 | 99,827 | 5,307 | 126,677 |
| January - May, 1959 |  |  |  |  |
| Tocal net generation | 43,034,777 | 577,234 | 28,340 | 680,453 |
| Total energy limported | 250,281 | - | - |  |
| Total energy exported | 1,872,194 | 22,371 | - | 5,57\% |
| Total made evaliable in Canedal | 41,412,864 | 554,863 | 28,340 | 674,88: |
| Amount used in electric boilers | 2,846,872 | 76,213 | - | - |
| Total made available leas amount used in bollers | 38,565,992 | 478,650 | 28,340 | 674,881 |

[^0]May, 1960

| New Brunswlck | Quebec | Ontario | Manitobe | Seskatcheman | Alberta | British Columbin | Yukon and N.W.T. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | (Thousand kwh.) |  |  |  |  |  |  |
| 90,426 | 2,855,819 | 2,981,404 | 292,117 | 44,356 | 72,306 | 496,713 | 8,280 |
| 18,631 | 2,418 | 4,725 | 2,278 | 121,150 | 166,368 | 15,491 | 927 |
| 109.057 | 2,858,237 | 2,986, 129 | 294,395 | 165,506 | 238,674 | 512,204 | 9,207 |
| 7,813 35,289 | 1,076,394 | 110,259 | 3,613 | 3,096 | 25,222 | 535,603 | 4,334 |
| 35,289 43,102 | 20,469 $1.096,863$ | 53,440 163,699 | 3,613 | 4,438 7,534 | 25,222 25,222 | 48,976 584,579 | $4,334$ |
| 152,159 | 3,955,100 | 3,149,828 | 298,008 | 173,040 | 263,896 | 1,096,783 | 13,541 |
| 2,496 | 8,226 | 365,762 | 53,490 | 512 | 3,272 | 110 | - |
|  |  | 23,502 | - | - | - | 1,933 | - |
| 2,518 | 8,273 | 389,264 | 53,490 | 512 | 3,272 | 2,043 | - |
| * | 367,154 | 8,029 | 272 | 46,849 | 350 | 3,272 | - |
| 3,720 | 43,993 | 61,627 | - | - | . | 136 | - |
| 13,014 | 2,356 | 410,279 | 2 | - | - | 1,347 | - |
| 16,734 | 413,503 | 479,935 | 274 | 46,849 | 350 | 4,755 | - |
| 137,943 | 3,549,870 | 3,059,157 | 351,224 | 126,703 | 266,818 | 1,094,071 | 13,541 |
| . 551 | 469,292 | 50,601 | 36,950 |  |  | 13.634 | 2,290 |
| 137,392 | 3,080,578 | 3,008,556 | 314, 274 | 126,703 | 266,818 | 1,080,437 | 11,251 |

Cumulative totale, Janumry - May, 1960

|  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 403,129 | 15,232,027 | 14,169,703 | 1,598,985 | 246,607 | 386, 141 | 2,542,574 | 42,373 |
| 140,615 | 21,364 | 76,019 | 29,001 | 661,055 | 924,760 | 86,547 | 5,315 |
| 543,744 | 15,253,391 | 14,245,722 | 1,627,986 |  |  |  |  |
| 25,577 | 5,903,101 | 622,285 | 18,367 | 14,699 | - | 2,702,922 | 17,199 |
| 184,028 | 5,98,394 | 262,231 |  | 23,348 | 120,451 | 236,111 | 17.00 |
| 209,605 | 6,001,495 | 884, 516 | 18,367 | 38,047 | 120,451 | 2,939,033 | 17,199 |
| 753,349 | 21,254,886 | 15,130,238 | 1,646,353 | 945,709 | 1,431,352 | 5,568,154 | 64,887 |
| 11,523 | 38,506 | 2,557,699 | 330,956 | 2,988 | 10,583 | 2,010 | - |
| . 421 | 268 | 88,044 |  |  | , | 57,841 |  |
| 11,944 | 38,774 | 2,645,743 | 330,956 | 2,988 | 10,583 | 59,851 |  |
|  | 2,562,745 |  | 1,599 | 257,970 | 3,400 | 10,583 | - |
| 18,240 | 209,326 | 300,186 |  |  | - | . 607 |  |
| $53,027$ | 21,235 | 1,533,795 | 15 | 257.970 | - | 5,902 |  |
| $71,267$ | 2,793,306 | 1,914,672 | 1,614 | 257,970 | 3,400 | 17,092 | - |
| 694,026 | 18,500,354 | 15,861,309 | 1,975,695 | 690,727 | 1,438,535 | 5,610,913 |  |
| $980$ | 2,748,858 | $280,695$ | $240,273$ |  |  | $69,711$ | $9,882$ |
| 693,046 | 15,751,496 | 15,580,614 |  | 690,727 | 1,438,535 |  |  |
| 141,734 | 3,631,693 | 3,007,269 | 294,227 | 160,798 | 238,376 | 1,001,129 | 12,665 |
| 2,287 | 21,239 | 396,544 | 46,248 | 652 | 3,477 | 1,153 | - |
| 17,525 | 373,296 | 556,835 | 239 | 45,556 | 419 | 4,644 | 665 |
| 126,496 | 3,279,636 | 2,846,978 | 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 | 2,781,945 |  | 115,894 | 241,434 |  |  |
|  |  |  |  | 873,657 | 1,280, 597 | 5,178,882 | 61,614 |
| 10,116 | $45,242$ | 2,500,325 | 259,929 | 3,569 | 12,194 | 7,498 | - |
| 57,968 | 2,478,294 | 1,626,087 | 1,306 | 247,823 | 3,864 | -17,501 | 61, 614 |
| 622,685 | 15,925,314 | 14, 645, 860 | $1,812,098$ | $629,403$ | $1,288,927$ | $5,168,879$ | $61,614$ |
| 837 621.848 | 2,285,180 | 247,711 $14,398,149$ | $180,940$ |  | $1,288,927$ | $\begin{array}{r} 46,246 \\ 5.122 .633 \end{array}$ | $\begin{array}{r} 9,745 \\ 51,869 \end{array}$ |
| 621,848 | 13,640,134 | 14,398,149 | 1,631,158 | 629,403 | 1,288,927 | 5,122,633 | 51,869 |



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Electric Energy Made Available
January - May, 1960

| Month | Totsel net generation | Imports from United States | Exports to United States | Total made available in Cenada | Totel mede aveilable less mount used in boilers | Dally Average |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Tots 1 net generation | Total made available |
|  | (Thousend kwh.) |  |  |  |  |  |  |
| Jamusty | 9,893,665 | 22,441 | 403,135 | 9,512,971 | 8,829,329 | 319,150 | 306,870 |
| February | 9,440,925 | 13,895 | 347,740 | 9,107,080 | 8,416,990 | 325,548 | 314,037 |
| March ... | 10,068,585 | 61, 292 | 407,537 | 9,722,340 | 8,966,834 | 324,793 | 313,624 |
| April | 9,411,820 | 23,442 | 447,447 | 8,987,815 | 8,294,852 | 313,727 | 299,594 |
| May.. | 9,367,828 | 25,504 | 536,474 | 8,856,858 | 8,278,477 | 302,188 | 253,121 |
| June .. |  |  |  |  |  |  |  |
| July ... |  |  |  |  |  |  |  |
| August... |  |  |  |  |  |  |  |
| September |  |  |  |  |  |  |  |
| October.. |  |  |  |  |  |  |  |
| November. |  |  |  |  |  |  |  |
| December ...... |  |  |  |  |  |  |  |
| Total ..... |  |  |  |  |  |  |  |

Net generation, 1949-1960
CANADA



[^0]:    1. Includes interruptible and at-will energy and energy used in electric boilera
