

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 avallable 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 $8,219,118$ megawatt hours in September 1959, an increase of 7.9 per cent over the $7,616,958$ mwh generated a year ago. Generation by Utilities rose 11.1 per cent to $6,515,744$ mwh while the Industrial total decreased 1.2 per cent to $1,703,374$ mwh.

The amount of electric energy made available for use in Canada in September increased 8.8 per cent to $7,982,872$ mwh from $7,336,163 \mathrm{mwh}$ in 1958. Imports from the United States rose 27,204 mwh to 55,014 from 27,810 while exports were down 17,345 mwh to 291,260 . Since energy used in electric boilers declined 6.5 per cent to 394,845 mwh from 422,412 in September 1958 , the amount available after deducting energy used in electric boilers increased 9.8 per cent to $7,588,027$ mwh from 6,913,751.

Net generation in the first nine months of the year totalled 75,737,437 ITwh compared with $71,093,624$ in the comparable period in 1958 , a rise of $4,643,813$ nwh or 6.5 per cent. Energy made available less the amount used in electric boilers rose 6.9 per cent to $68,267,885$ mwh from $63,857,691$.

|  | Canada | Newfoundland | Prince Edward Island | Nova Scotia |
| :---: | :---: | :---: | :---: | :---: |
|  | (Thousand kwh.) |  |  |  |
| Net generation |  |  |  |  |
| Utilities: Hydro | 6,083,521 | 73,280 | - | 46,073 |
| Thermal | 432,257 | 5,699 | 5,696 | 73,982 |
| Total .e................................................. | 6,515,778 | 78,979 | 5,696 | 120,055 |
| Industry: |  |  |  |  |
| Hydro ...................................................... | 1,535,278 | 29,810 | - | 3,218 |
| Thermal | 168,096 | 939 | - | 9,186 |
| Total ................................................... | 1,703,374 | 30,749 | - | 12,404 |
| Total net generation ..................................... | 8,219,152 | 109,728 | 5,696 | 132,459 |
| Energy imported:From other provinces |  |  |  |  |
| From other provinces | xxx | - | - | - |
| From United States <br> Total | $\begin{aligned} & 55,014 \\ & 55,014 \end{aligned}$ | " | - | - |
| Energy exported: |  |  |  |  |
| To other provinces ........................................ | xxx | 4,172 | - | 1,128 |
| To United States - primary | 98,048 | - | - | - |
| secondary | 193,212 | - | - | - |
| Total ................. | 291,260 | 4,172 | - | 1,128 |
| Energy made available in Canadal | 7,982,906 | 105,556 | 5,696 | 131,331 |
| Amount used in electric boilers | 394,845 | 153 | - | - |
| Energy made available less amount used in boilers | 7,588,061 | 105,403 | 5,696 | 131,331 |

Cumulative totals, January - September 1959


1. Includes interruptable and st will energy and energy used in electric boilers.

## Blectric Energy Made Available

September, 1959

| Sew Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British <br> Columbia | 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 | 2,679, 29 | 21,404 | 2,007 | 115,266 | 170,126 | 14,195 | 747 |
| 97,966 | 2,679,456 | 2,388,443 | 276,569 | 159,569 | 223,283 | 476,858 | 8,904 |
| 2,776 | 915,945 | 111,344 | 3,139 | 1,322 | - | 463,536 | 4,188 |
| 75,958 | 16,433 | 45,513 |  | 7,250 | 22,445 | 30,365 | - |
| 38,734 | 932,378 | 156,857 | 3,146 | 8,572 | 22,445 | 493,901 | 4,188 |
| 136,700 | 3,611,834 | 2,545,300 | 279,715 | 168,141 | 245,728 | 970,759 | 13,092 |
| 2,397 | 5,391 | 480,381 | 54,783 | 619 | 4,086 | 1 | - |
|  |  | 53, 760 |  | - | - | 1,181 | - |
| 2,434 | 5,427 | 534,141 | 54,783 | 619 | 4,086 | 1,182 | - |
| - | 481,650 | 8,377 | 254 | 47.625 | 366 | 4,086 | - |
| 2,922 | 40,740 | 54,262 | 3 | - | - | +121 | - |
| 9,164 | 7,178 | 175,728 | - | - ${ }^{-}$ | - | 1,142 |  |
| 12,086 | 529,568 | 238, 367 | 257 | 47,625 | 366 | 5,349 | - |
| 127,048 | 3,087,693 | 2,841,074 | 334,241 | 121,135 | 249,448 | 966,592 | 13,092 |
| 127,048 | 337,013 | 26,007 | 25,183 | - | - | 3,823 | 2,666 |
| 127,048 | 2,750,680 | 2,815,06 7 | 309,058 | 121,135 | 249,448 | 962,769 | 10,426 |

Cumulative totale, January - September 1959

| $\begin{aligned} & 627,977 \\ & 337,893 \\ & 025,570 \end{aligned}$ | $\begin{array}{r} 23,954,975 \\ 18,308 \\ 23,973,283 \end{array}$ | $\begin{array}{r} 22,602,781 \\ 308,345 \\ 22,911,126 \end{array}$ | $\begin{array}{r} 2,564,567 \\ 32,581 \\ 2,597,148 \end{array}$ | $\begin{array}{r} 417,259 \\ 1,035,271 \\ 1,452,530 \end{array}$ | $\begin{array}{r} 616,964 \\ 1,424,152 \\ 2,041,116 \end{array}$ | $\begin{array}{r} 4,180,406 \\ 131,549 \\ 4,311,955 \end{array}$ | $\begin{array}{r} 72,956 \\ 5,621 \\ 78,577 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34,114 304,772 | $8,371,167$ 143,957 | $1,013,081$ 425,549 | 28,447 18 | 15,555 57,888 | 176,072 | $4,341,460$ 292,692 | 36,719 |
| 34, ,186 | 8,515,124 | 1,439,529 | 28,465 | 73,443 | 176,072 | 4,634,152 | 36,719 |
| 1,206,956 | 32,488,407 | 24,350,655 | 2,625,613 | 1,525,973 | 2,217,188 | 8,946,107 | 115,296 |
| $\begin{array}{r} 19,229 \\ 583 \\ 19,812 \end{array}$ | $\begin{array}{r} 65,518 \\ 390 \\ 65,908 \end{array}$ | $\begin{array}{r} 3,982,923 \\ 407,721 \\ 4,390,644 \end{array}$ | 465,634 465,634 | 5,854 5,854 | 22,930 22,930 | $\begin{array}{r} 1,719 \\ 10,298 \\ 12,017 \end{array}$ | - |
| 26,655 | $3,992,267$ 371,040 | 50,041 539,869 | 2,176 26 | 443,464 | 5,398 | 22,930 1,175 | - |
| 80,030 | 40,489 | 2,309,400 | - |  | - | 8,914 | - |
| 106,685 | 4,403,796 | 2,899,310 | 2,202 | 443,464 | 5,398 | 33,019 |  |
| $1,120,083$ 1,173 $1,118,910$ | $28,150,519$ $3,719,018$ $24,431,501$ | $\begin{array}{r} 25,841,989 \\ 359,961 \end{array}$ $25,482,028$ | $\begin{array}{r} 3,089,045 \\ 259,154 \\ 2,829,891 \end{array}$ | $1,088,363$ $1,088,363$ | $\begin{array}{r} 2,234,720 \\ 2,234,720 \end{array}$ | $\begin{array}{r} 8,925,105 \\ 55,464 \\ 8,869,641 \end{array}$ | $\begin{array}{r} 115,296 \\ 20,190 \\ 95,106 \end{array}$ |
| 1,118,910 | 24,431,501 | 25,482,028 | 2,829,891 | 1,088,363 | 2,234,720 | 8,869,641 |  |
| 125,784 | 3,409,318 | 2,301,445 | 219,450 | 150,311 | 209,017 | 954,604 | 11,993 |
| 2,164 | 4,762 | 504,949 | 60,828 | 206 | 3,115 | 962 | - |
| 12,890 | 525,135 | 265,501 | 209 | 45,383 | 30 | 4,164 | 3 |
| 115,058 | 2,888,945 | 2,540,893 | 280,067 | 105,134 | 212,102 | 951,402 | 11,993 |
|  | 373,694 | 32,350 | 976 |  | - | 4,897 | 2,587 |
| 115,058 | 2,515,251 | 2,508,543 | 279,093 | 105,134 | 212,102 | 946,505 | 9,406 |
| 1,129,386 | 32,150,838 | 21,340, 257 | 2,381,811 | 1,379,949 | 1,872,972 | 8,542,472 | 98,253 |
| 18,713 | 32,226 | 4,640,958 | 458,954 | 1,805 | 10,689 | 14,006 | - |
| 111,033 | 4,833,568 | 2,522,245 | 42,714 | 436,836 | 1,607 | 20,186 | - |
| 1, 037,066 | 27,355,398 | 23,458,970 | 2,798,051 | 944,918 | 1,882,054 | 8,536,292 | 98,253 |
| 2,453 | 3,784,646 | $232,574$ | $195,864$ |  |  | 64,469 | 19,851 |
| 1,034,613 | 23,570,752 | 23,226,396 | 2,602,187 | 944,918 | 1,882,054 | 8,471,823 | 78,402 |



Net generation, 1949-1959
CANAMA

| Year and month |  | Utilities |  |  | Industry |  |  | Grand total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Hydro | Therme 1 | Total | Hydro | Thermal | Total |  |
|  |  | (Thousand kwh.) |  |  |  |  |  |  |
| 1949 | .... | 35,783,737 | 1,390,562 | 37,174,299 | n.a. | n.a. | 12,889,749 | 50,064,010 |
| 1950 |  | 39,342,277 | 1,647.557 | 40,989, 834 |  |  | 13, 428,593 | 54, 418, 4, |
| 1951 |  | 45,819,227 | 1,732,652 | 47,551,879 | " | " | 13,369,527 | 60,921, 40t |
| 1952 | -...e........-o... | 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 | " | " | 18,381,161 | 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 |
|  | Jィпuary ........... | 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 | 5,777,566 | 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 |
|  | November . | 6,289,767 | 399,863 | 6,689,630 | 1,614,899 | 159,266 | 1,774,165 | 8,463,795 |
|  | 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 | 179,623 | 1,752,626 | 8,776,333 |
|  | February . .......... | 5,916,609 | 543,236 | 6,459,845 | 1,462,624 | 174,124 | 1,636,748 |  |
|  | Merch | 6,511,897 | 486, 023 | 6,997,920 | 1,634,633 | 180,840 | 1,815,473 | 8,813,393 |
|  | April | 6,503,041 | 378,947 | 6,881,988 | 1,565,435 | 162,985 | 1,728,420 | 8,610,408 |
|  | May . . . . . . . . . . . . . | 6,610,516 | 378,153 | 6,988,669 | 1,586,097 | 163,564 | 1,749,661 | 8,738,330 |
|  | June | 6,196,139 | 335,475 | 6,531,614 | 1,594,357 | 163,875 | 1,758,232 | 8,289,846 |
|  | July .............. | 6,003,112 | 340,664 | 6,343,776 | 1,594,731 | 146,432 | 1,741,163 | 8,084,934 |
|  | August . . . . . . . . . . | * S,969,303 | * 394,810 | * 6,364,113 | $1,583,467$ | * 160,019 | * 1,743,486 | * 8,107,599 |
|  | September $\qquad$ <br> October $\qquad$ | 6,083,521 | 432,257 | 6,515,778 | 1,535,278 | 168,096 | 1,703,374 | $4,519,152$ |
|  | November . . . . |  |  |  |  |  |  |  |
|  | December .......... |  |  |  |  |  |  |  |

