DOMINION BUREAU OF STATISTICS TRANSPORTATION AND PUBLIC UTILITIES BRANCH OTTAWA

## No. 4.

 Chief, Transportation and Public Utilities Branch, Go So Wrong, BoSco

OUTPUT OF CENTRAL ELECTRIC STATIONS IN CANADA
APRIL, 1940.

The production of electric energy for firm purposes in Canada reached a new high level in April, the index rising to 240. 58 as against the previous peak of 229.52 for March. This firm power is computed by deducting the exports to the United States and deliveries of secondary power to electric boilers from the total output, The total output amounted to $2,398,722,000$ kilowatt hours as against 2,197,379,000 kilowatt hours in April 1939 and 2,426,157,000 kilowatt hours in March this year. On a daily basis the output was 79,957,000 kilowatt hours in April and $78,263,000 \mathrm{kti}$ wat hours in March, and the index was 243.15 compared with 239.02 for March and the peak of 248.11 for November last.

Exports to the United States rose to $170,600,000$ kilowatt hours from 155,402,000 kilowatt hours in March and 141,523,000 kilowatt hours in April 1939。

Deliveries of secondary power to electric boilers dropped to $393,548,000 \mathrm{kilowatt}$ hours from $435,316,000$ kilowatt, hours in March and $495,714,000 \mathrm{kilowatt}$ hours a year ago.

Consumption of firm power was $1,834,573,000 \mathrm{kilowatt}$ hours as against $18560,142,000$ in April 1939. There were five Sundays and five Saturdays, Light consumption days, in both April 1939 and March 1940 which would affect the above comparisons with April 1940 which contained four Sundays and four Saturdays.

OUTPUT OF GENTRAL ELECTRIC STATIONS
(Thousands of Kilowatt Hours)

|  | Total | Raritime Provinces | Quebec | Ontario | Prairie Provinces | British Columbia |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | HONTH | Y OUTPUTS |  |  |  |
| Generated by Water Power |  |  |  |  |  |  |
| April, 1940 | 2,359,999 | 61,023 | 1,241,559 | 723,794 | 165,194 | 168,429 |
| March, 1940 | 2,382,692 | 42,451 | 1,283,96 7 | 707,574 | 177,704 | 170,986 |
| April, 1939 | 2,163,890 | 51,310 | 1,169,572 | 621,854 | 161,439 | 159,715 |
| Generated by Fuel |  |  |  |  |  |  |
| April, 1940 | 38,723 | 16,215 | 382 | - 0 | 21,653 | 473 |
| March, 1940 | 43,475 | 19,709 | 394 | 000 | 22,867 | 505 |
| April, 1939 | 33,499 |  |  | $\bigcirc 0$ |  | 344 |
| Total Output |  |  |  |  |  |  |
| April, 1940 | 2,389,722 | 77,238 | 1,241,941 | 723,794 | 186,847 | 168,902 |
| March, 1940 | 2,426,157 | 62,160 | 1,284,361 | 707,574 | 200,571 | 171,491 |
| April, 1939 | 2,197,379 | 64,675 | 1,169,910 | 621,854 | 180,881 | 160,059 |
| Total to Date |  |  |  |  |  | 672,657 |
| 1939 | 9,165,272 | 264,531 | 4,920,659 | 2,568,987 | 785,360 | 625,735 |
|  | PROVINCIAL CORSUMPTIONS I/ |  |  |  |  |  |
|  | 2,228,12]. | 75,779 | 912,654 | 884,048 | 188,490 | 167,150 |
| March, 1940 | 2,270,755 | 60,474 | 967,193 | 871,150 | 202,527 | 169,411 |
| April, 1939 | 2,055,856 | 63,360 | 888,629 | 763,030 | 182,249 | 158,588 |
| Total to Date |  |  |  |  |  |  |
| $\begin{aligned} & 1940 \\ & 1939 \end{aligned}$ | $9,103,093$ $8,537,922$ | 263,213 258,430 | $3,854,291$ $3,764,601$ | $3,513,428$ $3,104,267$ | $\begin{aligned} & 807,478 \\ & 791.175 \end{aligned}$ | $\begin{aligned} & 664,583 \\ & 619,449 \end{aligned}$ |

INDEX NUISBERS

|  | January | February | March | April | May | June |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | TOTAL |
| 1938 | 220.05 | 215.89 | 222. 48 | 212.63 | 210.25 | 209.92 |
| 1939 | 230.01 | 232. 31 | 233.17 | 226.39 | 235.54 | 238.79 |
| 1940 | 243.42 | 239.79 | 239.02 | 243.15 |  |  |
|  |  |  |  |  | L LESS | RTS Aidl |
| 1938 | 190. 16 | 192. 28 | 196:\% 71 | 194.12 | 193.33 | 197.01 |
| 1939 | 201.02 | 199.31 | 201.83 | 204. 59 | 208.47 | 212.63 |
| 1940 | 226.46 | 223.33 | 229. 52 | 240. 58 |  |  |

1/Production plus provincial imports less provincial exports.
3/ New Brunswick only.

OUTPUT OF CENTRAL ELECTRIC STATIONS
(Thousands of Kllowatt Hours)


2/ No allowance is made for the effect of holidays, Sundays or Saturdays, etc. 4. Manitoba only.
(Thousands of Kilowatt Hours)

| Month | 1936 | 1937 | 1938 | 1939 | 1940 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| January | 2,091,497 | 2,317,906 | 2,283,691 | 2,386,979 | 2,526,143 |
| February | 1,938,978 | 2,146,578 | 2,057,598 | 2,214,174 | 2,367,031 |
| March | 2,135,640 | 2,412, 259 | 2,258, 197 | 2,366,740 | 2,426,157 |
| April | 2,164,628 | 2,322,884 | 2,063,801 | 2,197,379 | 2,398,722 |
| Sub Total | 8,330,743 | 9, 199,627 | 8,663,287 | 9,165,272 | 9,718,053 |
| May | 2,083,363 | 2,301, 167 | 2,081,935 | 2,333,443 |  |
| June | 2,028,980 | 2,255, 338 | 1,973, 755 | 2,245,537 |  |
| July | 2,021,147 | 2,188,055 | 18987,774 | 2,205,844 |  |
| August. | 2,020,416 | 2,197,725 | 2,075,901 | 2,293,032 |  |
| September | 2, 041,423 | 2,204,291 | 2, 168, 435 | 2,380,652 |  |
| October | 2,280,508 | 2,365,052 | 2,333, 461 | 2,589,956 |  |
| November | 2,261,979 | 2, 414,676 | 2,375,661 | 2601,535 |  |
| December | $2,325.733$ | 2,457,996 | 2,353.196 | 2,536,242 |  |
| TOTAL | 25,394,292 | 27, 583,927 | $26,012,805$ | $28,351,514$ |  |
| EXPORTS TO THE UNTTED STATES |  |  |  |  |  |
| J anuary | 118.050 | 134,931 | 157,532 | 166,91.5 | 149,050 |
| February | 110,684 | 138,041 | 123,094 | 153,491 | 139,908 |
| March | 125,921 | 172,695 | 144,091 | 165,422 | 155,402 |
| April | 125,496 | 164,250 | 135,61.6 | 141,523 | 170,600 |
| Sub Total | 480, 151 | 609,917 | 560,333 | 627,351 | 614,960 |
| May | 130,530 | 1.61,033 | 155,292 | 164,520 |  |
| June | 157.871 | 158,657 | 158,313 | 163,063 |  |
| July | 157,543 | 164,057 | 159, 349 | 162.973 |  |
| August | 143,342 | 162,617 | 1.49 .493 | 177,834 |  |
| September | 125,1.27 | 143,441 | 151.8931 | $159,71.3$ |  |
| October | 129,323 | 142,736 | 165,455 | 751.794 |  |
| Noveraber | 126,152 | 145,549 | 165,299 | 155,247 |  |
| December | 128,070 | 1598093 | 161.890 | 150, 1.38 |  |
| TOTAL | 12578,109 | $1_{2} 847{ }_{8} 100$ | 1.826851 .5 | $1{ }_{8} 912,633$ |  |

OUTPUT LESS EXPORTS AND DELXVERES TO ELECTRTO BOTLFRS

| January | 1.9413 216 | 1.4748787 | 19558.875 | 1.8644 .983 | 1,853,157 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| February | 12298,872 | 1, 344.387 | 124352998 | $1,488,480$ | 1,727,442 |
| March | $1.387,51.2$ | $1,532,912$ | 12573,090 | $1.613,989$ | 12835,439 |
| April | $1,353,605$ | $1_{8} 51.08508$ | 18480,284 | $\mathrm{I}_{2} 560,142$ | 18834,573 |
| Sub-Total | $58_{8} 453{ }_{5} 205$ | 5,862,594 | 6,074,947 | 6,307,594 | 7,250,611 |
| May | 1,3718404 | $1{ }_{2} 51.98545$ | 1.8505,826 | 1., 623,856 |  |
| June | 1,353,080 | 18496.283 | 1., 470,027 | 1, 586,964 |  |
| July | $1{ }_{9} 359.445$ | 18570,365 | 1, 466,398 | 1. 587.154 |  |
| August, | $\mathrm{I}_{2} 386797$ | 1. 543.699 | 18518,479 | 1, 641,340 |  |
| September | 12417 ת 821 | 12573.502 | 12537.426 | $1,668,186$ |  |
| October | 18532075 | 12655.879 | $1,631.513$ | 18804,048 |  |
| November | $1,481,813$ | 1.632 .494 | $1.617,311$ | 1880981.75 |  |
| December | 1.516 .702 | $1_{29} 629852$ | 12640,012 | 18820186 |  |
| TOTAL | 16,873,342 | 18,423,81.3 | 18,434,940 | 1.18848, 503 |  |

