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OUTPUT OF CENTRAL ELECTRIC STATIONS IN CANADA

January, 1941.

During January, 1941 the stations produced a total of 2,634,695,000 kw.h., the greatest January output to date, and an increase of 4.3 per cent over the total of 2,526,143,000 kw.h. for January, 1941.

Exports to the United States amounted to 192,470,000 kw.h., including 118,658,000 kw.h. of firm power and 73,812,000 kw.h. of secondary power.

Firm power produced for use in Canada increased from 1,853,157,000 kw.h. in January, 1940 to 2,188,075,000 kw.h., which was larger than the previous high record made in December, 1940 by 53,760,000 kw.h.

The index numbers for monthly outputs and for monthly consumptions of firm power have been recalculated. The base period has been changed from 1926 to 1935-39 and the period used for measuring seasonal variations has been changed from 1924-36 to 1933-39. This latter period was one of almost continuous increase for both series and except for the dip in 1938 the increases were fairly constant.

In this January report the index numbers for 1939, 1940 and 1941 are shown on the new base.

The reporting form for January was enlarged to include in addition to output, exports to the United States, and deliveries of secondary power to electric boilers - (a) power interchanged between systems, (b) system peak loads, (c) maximum possible output with equipment and water available.

All reports for January were not complete and consequently these details could not be included in this report, but a revised report showing additional data will be issued later.

4/3/41.

Price per year 50 cents

CENTRAL ELECTRIC

Month of

(Thousands of

| | Total | Prince Edward Island | Nova Scotia | |
|----------------------------------------------------------------------------------|-----------|----------------------------|----------------|--|
| <u>Production</u> - Hydraulic | 2,578,054 | 18 | 27,167 | |
| Thermal | 56,641 | 734 | 13,074 | |
| Total | 2,634,695 | 752 | 40,241 | |
| <u>Receipts from other provinces</u> | 291,455 | - | - | |
| <u>Total Power</u> | 2,926,150 | 752 | 40,241 | |
| <u>Deliveries to other provinces</u> | 291,455 | - | - | |
| <u>Exports to U.S.A.</u> | | | | |
| Firm Power | 118,658 | - | - | |
| Secondary | 73,812 | - | - | |
| Total | 192,470 | - | - | |
| Total Deliveries | 483,925 | - | - | |
| <u>Net Consumption</u> | 2,442,225 | 752 | 40,241 | |
| <u>Secondary Power</u> | | | | |
| For Boilers in Canada | 179,161 | - | - | |
| For other uses in " | 74,989 | - | - | |
| Total | 254,150 | - | - | |
| Net consumption of Firm Power | 2,188,075 | 752 | 40,241 | |
| <u>CUMULATIVE PRODUCTION TOTALS. January -</u> | | | | |
| Firm Power 1940 | 1,973,127 | 606 | 36,367 | |
| 1941 | 2,306,733 | 752 | 40,241 | |
| Secondary Power 1940 (incl. Exports to U.S.A) | 553,016 | - | - | |
| 1941 | 327,962 | - | - | |
| Total 1940 | 2,526,143 | 606 | 36,367 | |
| 1941 | 2,634,695 | 752 | 40,241 | |
| <u>DAILY AVERAGE CONSUMPTION OF FIRM POWER (OUTPUT LESS EXPORTS TO U. S. A.)</u> | | | | |
| January 1940 | 59,778 | 20 | 1,173 | |
| " 1941 | 70,583 | 24 | 1,298 | |

INDEX NUMBERS

(Average 1935-39 =100)

| | January | February | March | April | May | June | |
|------|---------|----------|------------------------------------------------|-------|-------|-------|--|
| | | | <u>TOTAL OUTPUT</u> | | | | |
| 1939 | 105.7 | 106.4 | 104.1 | 102.9 | 107.4 | 108.2 | |
| 1940 | 111.9 | 113.7 | 106.8 | 112.3 | 123.0 | 124.2 | |
| 1941 | 116.7 | | | | | | |
| | | | <u>OUTPUT LESS EXPORTS AND SECONDARY POWER</u> | | | | |
| 1939 | 106.5 | 106.5 | 106.1 | 107.8 | 109.7 | 110.6 | |
| 1940 | 120.0 | 123.7 | 120.7 | 126.8 | 131.2 | 129.7 | |
| 1941 | 141.7 | | | | | | |

STATION DATA

January, 1941

Kilowatt hours)

| | New Brunswick | Quebec | Ontario | Manitoba | Saskatchewan | Alberta | British Columbia |
|--|----------------------|-----------|-----------|----------|--------------|---------|------------------|
| | 37,806 | 1,350,428 | 814,951 | 122,728 | 33,386 | 11,048 | 180,522 |
| | 7,665 | 442 | 100 | 187 | 16,816 | 15,863 | 1,760 |
| | 45,471 | 1,350,870 | 815,051 | 122,915 | 50,202 | 26,911 | 182,282 |
| | 563 | 12,107 | 276,809 | - | - | 1,976 | - |
| | 46,034 | 1,362,977 | 1,091,860 | 122,915 | 50,202 | 28,887 | 182,282 |
| | - | 277,372 | 12,107 | - | - | - | 1,976 |
| | 2,812 | 54,878 | 60,815 | 101 | - | - | 52 |
| | - | - | 73,812 | - | - | - | - |
| | 2,812 | 54,878 | 134,627 | 101 | - | - | 52 |
| | 2,812 | 332,250 | 146,734 | 101 | - | - | 2,028 |
| | 43,222 | 1,030,727 | 945,126 | 122,814 | 50,202 | 28,887 | 180,254 |
| | 3,926 | 119,202 | 23,345 | 32,418 | - | - | 270 |
| | - | 22,147 | 49,933 | 2,909 | - | - | - |
| | 3,926 | 141,349 | 73,278 | 35,327 | - | - | 270 |
| | 39,296 | 889,378 | 871,848 | 87,487 | 50,202 | 28,887 | 179,984 |
| | 35,749 | 960,380 | 607,800 | 86,052 | 49,594 | 24,693 | 171,886 |
| | 41,545 | 1,209,521 | 667,961 | 87,588 | 50,202 | 26,911 | 182,012 |
| | 375 | 359,063 | 140,558 | 52,784 | - | - | 236 |
| | 3,926 | 141,349 | 147,090 | 35,327 | - | - | 270 |
| | 36,124 | 1,319,443 | 748,358 | 138,836 | 49,594 | 24,693 | 172,122 |
| | 45,471 | 1,350,870 | 815,051 | 122,915 | 50,202 | 26,911 | 182,282 |
| | AND SECONDARY POWER) | | | | | | |
| | 1,094 | 20,673 | 26,106 | 2,773 | 1,600 | 859 | 5,480 |
| | 1,268 | 28,690 | 28,124 | 2,822 | 1,619 | 932 | 5,806 |

INDEX NUMBERS

(Average 1935-39 = 100)

| | July | August | September | October | November | December | |
|--|------------------------------------------------|--------|---------------------|---------|----------|--------------|--|
| | | | <u>TOTAL OUTPUT</u> | | | | |
| | 108.4 | 109.5 | 113.1 | 113.3 | 112.3 | 109.4 | |
| | <u>120.6</u> | 119.4 | 114.0 | 108.8 | 109.0 | 111.4 | |
| | <u>OUTPUT LESS EXPORTS AND SECONDARY POWER</u> | | | | | | |
| | 110.9 | 112.3 | 113.4 | 114.4 | 116.6 | 116.7 | |
| | 132.3 | 132.8 | 131.5 | 131.5 | 134.1 | <u>136.9</u> | |



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OUTPUT OF CENTRAL ELECTRIC STATIONS

(Thousands of Kilowatt Hours)

| Month | 1937 | 1938 | 1939 | 1940 | 1941 |
|-----------------|------------------|------------------|------------------|------------------|-----------|
| January | 2,317,906 | 2,283,691 | 2,386,979 | 2,526,143 | 2,634,695 |
| February | 2,146,578 | 2,057,598 | 2,214,174 | 2,367,031 | |
| March | 2,412,259 | 2,258,197 | 2,366,740 | 2,426,157 | |
| April | 2,322,884 | 2,063,801 | 2,197,379 | 2,398,722 | |
| May | 2,301,167 | 2,081,935 | 2,333,443 | <u>2,671,567</u> | |
| June | 2,255,338 | 1,973,155 | 2,245,537 | 2,578,883 | |
| July | 2,188,055 | 1,987,774 | 2,205,844 | 2,615,232 | |
| August | 2,197,725 | 2,075,901 | 2,293,032 | 2,500,179 | |
| September | 2,204,291 | 2,168,435 | 2,380,652 | 2,399,678 | |
| October | 2,365,052 | 2,333,461 | 2,589,956 | 2,487,455 | |
| November | 2,414,676 | <u>2,375,661</u> | <u>2,601,536</u> | 2,524,860 | |
| December | <u>2,457,996</u> | 2,353,196 | 2,536,242 | 2,584,341 | |
| Total 12 months | 27,583,927 | 26,012,805 | 28,351,514 | 30,080,248 | |

EXPORTS TO THE UNITED STATES

| | | | | | |
|-----------------|----------------|----------------|----------------|----------------|---------|
| January | 134,931 | 157,532 | 166,915 | 149,050 | 192,470 |
| February | 138,041 | 123,094 | 153,491 | 139,908 | |
| March | <u>172,695</u> | 144,091 | 165,422 | 155,402 | |
| April | 164,250 | 135,616 | 141,523 | 170,600 | |
| May | 161,033 | 155,292 | 164,520 | 193,354 | |
| June | 158,657 | 158,313 | 163,063 | 190,704 | |
| July | 164,057 | 159,349 | 162,973 | <u>203,058</u> | |
| August | 162,617 | 149,493 | <u>177,824</u> | 192,236 | |
| September | 143,441 | 151,691 | 159,713 | 186,983 | |
| October | 142,736 | <u>165,455</u> | 151,794 | 168,904 | |
| November | 145,549 | <u>165,299</u> | 155,247 | 185,492 | |
| December | 159,093 | 161,290 | 150,138 | 199,866 | |
| Total 12 months | 1,847,100 | 1,826,515 | 1,912,623 | 2,135,557 | |

OUTPUT LESS EXPORTS AND SECONDARY POWER

| | | | | | |
|-----------------|------------------|------------------|------------------|------------------|-----------|
| January | 1,474,787 | 1,558,575 | 1,644,983 | 1,853,157 | 2,188,075 |
| February | 1,344,387 | 1,435,998 | 1,488,480 | 1,727,442 | |
| March | 1,532,912 | 1,573,090 | 1,613,989 | 1,835,439 | |
| April | 1,510,508 | 1,480,284 | 1,560,142 | 1,834,573 | |
| May | 1,519,545 | 1,505,826 | 1,623,856 | 1,941,629 | |
| June | 1,496,283 | 1,470,027 | 1,586,964 | 1,860,736 | |
| July | 1,510,365 | 1,466,399 | 1,587,154 | 1,892,596 | |
| August | 1,543,699 | 1,518,479 | 1,641,330 | 1,940,992 | |
| September | 1,573,502 | 1,537,426 | 1,668,186 | 1,933,692 | |
| October | <u>1,655,879</u> | 1,631,513 | 1,804,048 | 2,072,232 | |
| November | <u>1,632,494</u> | 1,617,311 | 1,809,175 | 2,079,984 | |
| December | 1,629,452 | <u>1,640,012</u> | <u>1,820,186</u> | <u>2,134,315</u> | |
| Total 12 months | 18,423,813 | 18,434,940 | 19,848,493 | 23,106,787 | |