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ELECTRIC POWER STATISTICS

JANUARY 1964

Total net generation by firms which generate a minimum of approximately 10 million kilowatt hours per annum increased 9.0 per cent to $11,664,487$ mwh. in January 1964 from $10,698,072$ mwh. generated one year ago.

Industrial establishments increased their generation 9.6 per cent to $2,495,433$ mwh. from $2,276,172$ mwh. and utilities increased their generation 8.9 per cent to 9,169,054 mwh. from 8,421,900 mwh.

Exports increased to $406,713 \mathrm{mwh}$. from $335,896 \mathrm{mwh}$. and imports decreased to 181,965 mwh. from 264,530 mwh. In January 1963.

The amount made available for primary uses increased 10.1 per cent to $11,255,-$ 015 mwh. from $10,220,781$ mwh. while the amount used in electric boilers decreased 54.4 per cent to 184,724 mwh. from 405,925 mwh. in 1963.

Total net generation for the twelve-month period ending January 31, 1964 amounted to $122,144,317$.

Monthly electric power statistics are designed to provide current information 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. These firms, however, accounted for 99.6 per cent of total production ir 1960 .

In the electric power series, net generation is defined as total generation less the amount used in station service. The "net energy available in Canada" is the sum of net generation, plus imports, less exports. Some of the "amount made availabel" is sold as surplus or secondary power for use, for the most part, in electric boilers, which is the only form of secondary consumption that can be readily ascertained for all provinces. Energy used in clectric boilers is deducted from the "available" in order to provide a figure approximating primary consumption.

Industry Division

March 1964
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TABLE 1. Electric Energy Statistics
Jenuery 1964

| No. |  | Canada | Newfoundland | Prince Edward Island | $\begin{aligned} & \text { Nova } \\ & \text { Scot1a } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | thousand | wh. |  |
|  | Jenuary 1964 |  |  |  |  |
| 1 | Net generation - Utilltiea: Hydro | 7,439,310 | 162,639 | - | 67,283 |
| 2 | Thermal | 1,738,744 | 9,250 | 11,125 | 126,506 |
| 3 | Totals | 9,269,054 | 171,889 | 11,125 | 193,789 |
| 4 | Industry: Hydro | 2,234,757 | 34,184 | - | 3,953 |
| 5 | Thermal | 260,676 | 4,050 | - | 16,862 |
| 6 | Totals | 2,495,433 | 38,234 | - | 20,815 |
| 7 | Total net generation | 11,664,487 | 210,123 | 11,125 | 214,604 |
| 8 | Energy imported: From other provinces |  | - | - | 347 |
| 9 | From United States | 181,965 | - | - | - |
| 10 | Totels ........ | 181,965 | - | - | 347 |
| 11 | Energy exported: To other provinces |  | 8,150 | - | 11,080 |
| 12 | To United Statea - Primary | 73,708 | - | - | - |
| 13 | Secondary ................ | 333,005 | - | - | - |
| 14 | Totals ................... | 406,713 | 8,150 | - | 11,080 |
| 15 | Net energy available in Canada | 11,439,739 | 201,973 | 11,125 | 203,871 |
| 16 | Amourt used in eleciric boilers | 184,724 | 7,622 | - | - $=$ |
| 17 | Net energy available, less mount used in boilers | 11,255,015 | 194,351 | 11,125 | 203,871 |
|  | Januacy 1969r |  |  |  |  |
| 18 | Total net generstion | 10,698,072 | 158,975 | 10,066 | 195,844 |
| 19 | Total energy imported | 264,530 | - | - | 410 |
| 20 | Total energy exported | 335,896 | 4,895 | - ${ }^{-}$ | 8,9:5 |
| 21 | Net energy svallable in Canade | 10,626,706 | 154,080 | 10,066 | 187,3.7 |
| 22 | Amount used in electric boilers | 405,925 | 9,098 | - | -.. |
| 23 | Net energy available, leas amount used in boilers | 10,220,781 | 144,982 | 10,066 | 187,347 |

TABLE 2. Electric Energy Staliotics, Cumulative Totals


Figures not appropriate or not applicable.

TA HIF : Electric Eaergy Statiselce
January 1964

| New Brunswick | Queine | (1:1: al 1.0 | Ma:2: robm | Saskatchewan | Alberts | British Columbia | Yukon and N.W.T. | No. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | thousan | \%. |  |  |  |  |
| 66,047 | 3,380,647 | 2,449,753 | 446,741 | 95,119 | 72,813 | 672,604 | 16,664 | 1 |
| 79,290 | , 91 | 898,066 | 23,016 | 197,490 | 351,020 | 39,874 | 3,016 | 2 |
| 145,337 | 3,380,738 | 3,347,819 | 469,757 | 292,609 | 423,833 | 712,478 | 19,680 | 3 |
| 4,074 | 1,408,431 | 126,436 | 5,715 | 6,755 | - | 641,733 | 3,476 | 4 |
| 48,889 | 23,204 | 63,522 | - | 2,146 | 30,373 | 71,630 | - | 5 |
| 52,963 | 1,431,635 | 189,958 | 5,715 | 8,901 | 30,373 | 713,363 | 3,476 | 6 |
| 198,300 | 4,812,373 | 3,337,777 | 475,472 | 301,510 | 454,206 | 1,425,841 | 23,156 | 7 |
| 13,082 | 10.458 | 579,859 | 87,818 | 1,215 | -,666 | - | - | 8 |
| 1,066 | 76 | 179,260 | - | - | - | 1,563 | - | 9 |
| 14,148 | 10,534 | 759,119 | 87,818 | 1,215 | 1,666 | 1,563 | - | 10 |
| 347 | 581,745 | 29,499 | 1,331 | 60,627 | - | 1,666 | = | 11 |
| 13,692 | 1,499 | 58,363 | 1,331 | - | - | 154 | - | 12 |
| 6,786 | 65,692 | 258,912 | - | - $=$ | - | 1,615 | - | 13 |
| 20,825 | 648,936 | 346,774 | 1,331 | 60,627 | - | 3,435 | - | 14 |
| 191,623 | 4,173,971 | 3,950,122 | 561,959 | 242,098 | 455,872 | 1,423,969 | 23,156 | 15 |
| - | 89,877 | 30,825 | 17,796 | 1,519 | 4 | 30,976 | 6,109 | 16 |
| 191,623 | 4,084,094 | 3,919,297 | 544,163 | 240,579 | 455,872 | 1,392,993 | 17,047 | 17 |
| 177,198 | 4,188,102 | 3,435,183 | 449,689 | 285,177 | 429.605 | 1,347,918 | 20,315 | 18 |
| 12,998 | 48,564 | 686,742 | 90,548 | 6,409 | 1,816 | 1,509 | - | 19 |
| 19,250 | 447,588 | 368,489 | 6,547 | 61,271 | - | 3,415 | - | 20 |
| 170,946 | 3,789,078 | 3,753,436 | 533,690 | 230,315 | 431,421 | 1,346,012 | 20,315 | 21 |
| - | 300,836 | 41,870 | 15,001 | 147 | - | 33,470 | 5,503 | 22 |
| 170,946 | 3,488,242 | 3,711,566 | 518,689 | 230,168 | 431,421 | 1,312,542 | 14,812 | 23 |

TABLE 2. Electric Energy Statistics, Cumulative Totals
chousand kwh.
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TABLE 3. Electric Energy Made Available
Januery 1960

| Month | Total net generaelon | Imports from United States | Exporta to United States | Total made avallable In Canada | Amount used in electric boilers | Total made avaiiable less amount used In electric boiles | Daily average, tocal net generation |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| January <br> February <br> March <br> April <br> May <br> June <br> July <br> August <br> September <br> Octaber <br> November <br> December <br> Yeaz | 12,664,487 | 181,965 | $406,713$ | thousand kw $11,439,739$ | 184.724 | 11.255,015 | 376,274 |

TABLE 4. Net Generation, 1951-63

CANADA


