

The energy sector is a major economic contributor, generating employment across communities in New Brunswick. In 2020, the sector comprised 68 primary and secondary businesses, generating 3,870 full-year equivalent jobs. A significant proportion of output produced by the energy sector is generated by processing activities. Part of this output is consumed locally and the rest is shipped out of the country. New Brunswick has the largest oil refinery in Canada. Additionally, New Brunswick is the leading exporter of energy products in the Maritimes, with sales totaling \$5.5 billion in 2020. Energy products represented 53 per cent of the province's total export value in 2020. The main export destination for New Brunswick's energy products is the United States, accounting for 99 per cent of exports. Together, oil and gas account for 98 per cent of export share.

## 2020 HIGHLIGHTS

- Annual output produced by the energy sector has fluctuated over the years, largely due to changes in petroleum product manufacturing in response to world oil prices. Due to a lag in reporting, data on the value of energy output are only available up to 2018. Compared to 2017, output levels decreased slightly by one per cent (\$0.1 billion) to total \$11.2 billion in 2018.
- New Brunswick's energy industry generated 11,693 Gigawatt-hours (GWh) of electricity in 2020, down 1,213 GWh (nine per cent) from 2019. The largest declines were seen in electricity generated by coal and coke (by 1,006 GWh, 36 per cent), hydraulic energy (by 230 GWh, eight per cent), and nuclear energy (by 227 GWh, five per cent). On the other hand, electricity generated by natural gas rose by 338 GWh (33 per cent).
- Marketable natural gas production increased by six per cent (2.8 million cubic metres) to total 49.6 million cubic metres in 2020.
- Production volumes of New Brunswick's refined petroleum products are suppressed by Statistics Canada due to confidentiality requirements.
- New Brunswick's exported energy products totaled \$5.5 billion in 2020, about 27 per cent (\$2.1 billion) lower than the previous year, largely as a result of global market disruptions due to the COVID-19 pandemic. Declines were seen in sales of refined petroleum products, natural gas, and liquefied petroleum gases (LPG).
- Exports of refined petroleum products fell by \$2.0 billion (28 per cent) to \$5.1 billion in 2020. Markets with the greatest declines included the United States, by \$1.6 billion (24 per cent), the Netherlands, by \$134.4 million (85 per cent), Ireland, by \$120.7 million (100%), Belgium, by \$64.9 million (100%), and Panama, by \$58.4 million (100 per cent).
- Revenues from natural gas exports amounted to \$217.7 million in 2020, down 23 per cent (\$66.2 million) from the previous year. All natural gas sales went to Massachusetts, United States. This decline in sales was due to a 40-per-cent drop in average market price outweighing a 29-per-cent rise in export volume. The average price was driven down by reduced natural gas demand due to the global pandemic and warmer than average temperatures during the winter months.
- Electrical energy exports increased in value by \$7.6 million (seven per cent) to total \$123.5 million in 2020. All New Brunswick electrical energy exports went to the United States, specifically Maine. This increase was due to a rise in export volume (by 22 per cent) outweighing a drop in average market price (by 13 per cent).
- Exports of LPG decreased by \$62.5 million (41 per cent) to \$89.5 million in 2020, with all sales destined for the

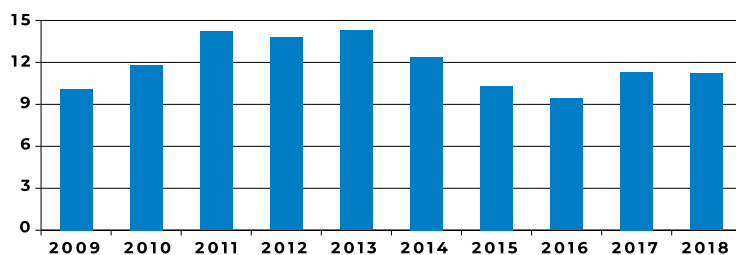
United States. This decline resulted from lower prices and export volume of liquefied propylene.

- In 2020, the leading destination market for New Brunswick's energy products was the United States, with exports valued at \$5.4 billion, about \$1.7 billion (24 per cent) lower than in 2019. Exports of refined petroleum products, natural gas, and LPG fell.
- Other key markets for New Brunswick's energy products included the Bahamas, the Netherlands, and France. Compared to 2019, exports to the Bahamas were up by \$13.4 million (68 per cent) to \$33.3 million in 2020, while sales to the Netherlands fell by \$134.4 million (85 per cent) to \$23.8 million, and exports to France grew by \$4.5 million (161 per cent) to reach \$7.3 million.
- Note that the exports reported above are international and do not include interprovincial sales. For instance, a significant proportion of New Brunswick electrical output is sold to other Canadian provinces.

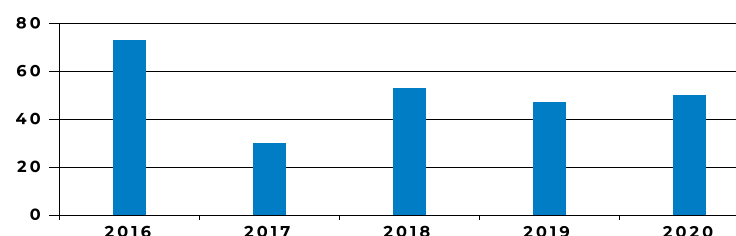
INDUSTRY AT A GLANCE	
Number of primary energy businesses	12
Number of secondary energy businesses	56
Total energy output (2018)	\$11.2 billion
Value of exports	\$5.5 billion
GDP (direct)	\$1.9 billion
Employment-Primary <sup>1</sup>	55
Employment-Secondary <sup>2</sup>	3,815

<sup>1,2</sup> Full-year equivalent jobs.

## Total Energy Output (\$ Billion)

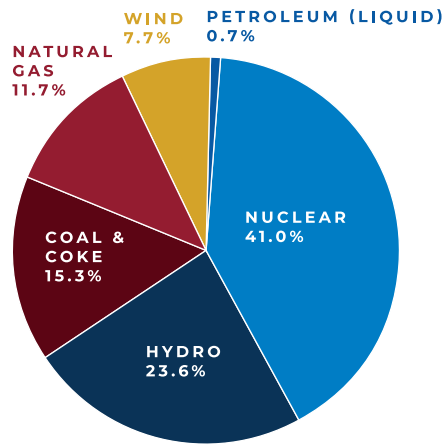


## Marketable Natural Gas Production (million cubic metres)



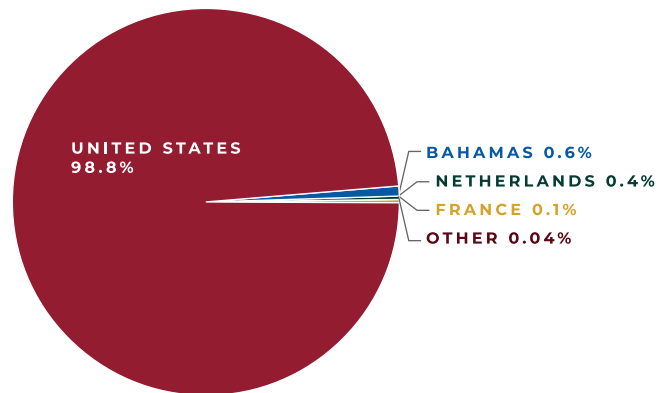
ELECTRICITY GENERATION BY TYPE		
TYPE	PRODUCTION (GIGAWATT-HOURS)	
	2019	2020
Nuclear	5,016	4,789
Hydro	2,994	2,764
Coal & coke	2,796	1,790
Natural gas	1,030	1,367
Wind	888	896
Petroleum (liquid)	182	86
<b>Total</b>	<b>12,906</b>	<b>11,693</b>

Sources: Statistics Canada, Table 25-10-0020-01 and Table 25-10-0019-01. 2019 production statistics were revised by Statistics Canada. The table above includes electricity generated by organizations that, as their prime purpose, generate, transmit and/or distribute electric energy for sale. They can be private or public (provincial or municipal).



EXPORTS BY COUNTRY		
COUNTRY	VALUE (\$ MILLION)	
	2019	2020
United States	7,158.7	5,440.4
Bahamas	19.9	33.3
Netherlands	158.1	23.8
France	2.8	7.3
Other	246.7	2.2
<b>Total</b>	<b>7,586.1</b>	<b>5,507.0</b>

Source: Trade Data Online (April 2022).



EXPORTS BY PRODUCT		
PRODUCT	VALUE (\$ MILLION)	
	2019	2020
Refined petroleum products	7,034.4	5,076.3
Natural gas	283.9	217.7
Electrical energy	116.0	123.5
Liquefied petroleum gases	151.9	89.5
Other	0.0	0.0
<b>Total</b>	<b>7,586.1</b>	<b>5,507.0</b>

Source: Global Trade Tracker (April 2022). Due to rounding, numbers in the tables in this report may not add up precisely to the totals provided.

