

The energy sector is a major economic contributor, generating employment across communities in New Brunswick. In 2021, the sector comprised 53 primary and secondary businesses, generating 4,310 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 \$8.6 billion in 2021. Energy products represented 58 per cent of the province’s total export value in 2021. The main export destination for New Brunswick’s energy products is the United States, accounting for 98 per cent of exports. Together, oil and gas account for 98 per cent of export share.

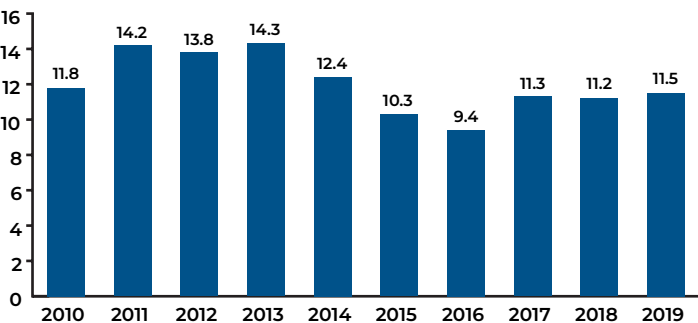
2021 HIGHLIGHTS

- 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 reporting lag, data on the value of energy output are only available up to 2019. Output levels totaled \$11.5 billion in 2019, up three per cent (\$0.3 billion) compared to 2018.
- Electricity generated by New Brunswick’s energy industry rose marginally by one per cent, from 11,693 Gigawatt-hours (GWh) in 2020 to 11,763 GWh in 2021. Increases were noted in electricity generated by liquid petroleum (by 291 GWh, 337 per cent), natural gas (by 208 GWh, 15 per cent), and coal and coke (by 207 GWh, 12 per cent). On the other hand, decreases were seen in electricity generated by nuclear energy (by 370 GWh, eight per cent), hydraulic energy (by 133 GWh, five per cent), and wind (by 132 GWh, 15 per cent).
- Marketable natural gas production amounted to 46.1 million cubic metres in 2021, down 3.6 million cubic metres (seven per cent) from 2020.
- Production volumes of New Brunswick’s refined petroleum products are suppressed by Statistics Canada due to confidentiality requirements.
- The value of New Brunswick’s exported energy products increased by \$3.1 billion (56 per cent) to reach \$8.6 billion in 2021. The sector rebounded from the impacts of the COVID-19 pandemic, as restrictions were lifted and economic activity picked up. Sales of refined petroleum products, liquefied petroleum gases (LPG) and electrical energy increased, while exports of natural gas declined.
- Exports of refined petroleum products rose considerably in value by \$2.9 billion (58 per cent) to total \$8.0 billion in 2021. The largest increases were seen in exports to the United States, by \$2.8 billion (57 per cent), Bonaire, Sint Eustatius and Saba, by \$67.0 million (from \$0 in 2020), and the Bahamas, by \$31.6 million (95 per cent).
- Sales of LPG increased significantly by 142 per cent (\$126.9 million) to total \$216.3 million in 2021, with 99.8 per cent of the export value accounted for by the United States. This increase chiefly resulted from a surge in market price of liquefied propylene.
- Natural gas exports fell by \$26.1 million (12 per cent), from \$217.7 million in 2020 to \$191.6 million in 2021. The decline in value resulted from a drop in export volume, by 21 per cent, outweighing a rise in average market price, by 11 per cent. All New Brunswick natural gas exports went to the United States, specifically Massachusetts.
- The value of electrical energy exports reached \$165.7 million in 2021, up \$42.2 million (34 per cent) compared to 2020. The increase was due to a 30-per cent rise in export volume combined with a four-per-cent rise in average price. All electrical energy sales were destined for Maine, United States.
- The United States was the most significant export market for New Brunswick’s energy products in 2021, with \$8.4 billion in sales, up 55 per cent (\$3.0 billion) from the previous year. Sales of refined petroleum products, LPG and electrical energy increased, while natural gas exports fell.
- Other important markets in 2021 included Bonaire, Sint Eustatius and Saba, the Bahamas, and the Netherlands valued at \$67.0 million, \$64.9 million, and \$26.5 million, respectively.
- 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.

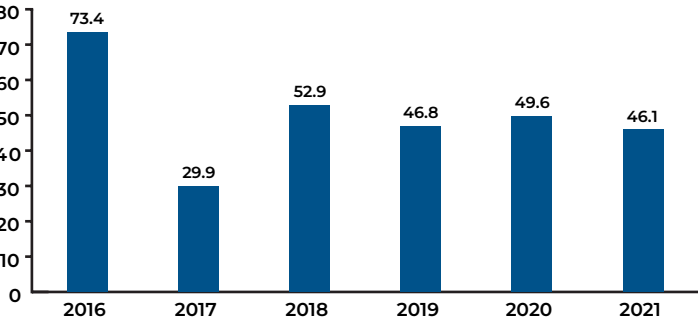
INDUSTRY AT A GLANCE	
Number of primary energy businesses	3
Number of secondary energy businesses	50
Total energy output (2019)	\$11.5 billion
Value of exports	\$8.6 billion
GDP (direct)	\$2.0 billion
Employment-Primary ¹	50
Employment-Secondary ²	4,260

^{1,2} Full-year equivalent jobs.

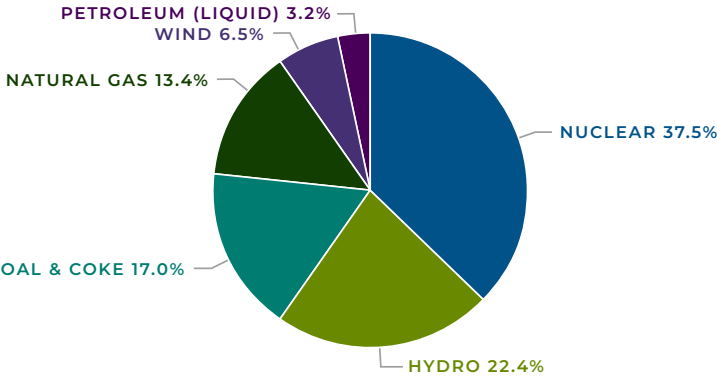
TOTAL ENERGY OUTPUT (\$ BILLION)



MARKETABLE NATURAL GAS PRODUCTION
(MILLION CUBIC METRES)



ELECTRICITY GENERATION BY TYPE (11,763 GWH)



ELECTRICITY GENERATION BY TYPE

TYPE	PRODUCTION (GIGAWATT-HOURS)	
	2020	2021
Nuclear	4,789	4,419
Hydro	2,764	2,632
Coal & coke	1,790	1,997
Natural gas	1,367	1,576
Wind	896	764
Petroleum (liquid)	86	377
Total	11,693	11,763

Sources: Statistics Canada, Table 25-10-0020-01 and Table 25-10-0019-01.

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)	
	2020	2021
United States	5,440.4	8,430.0
Bonaire, Sint Eustatius and Saba	0.0	67.0
Bahamas	33.3	64.9
Netherlands	23.8	26.5
Other	9.5	2.1
Total	5,507.0	8,590.5

Source: Trade Data Online (December 2022).

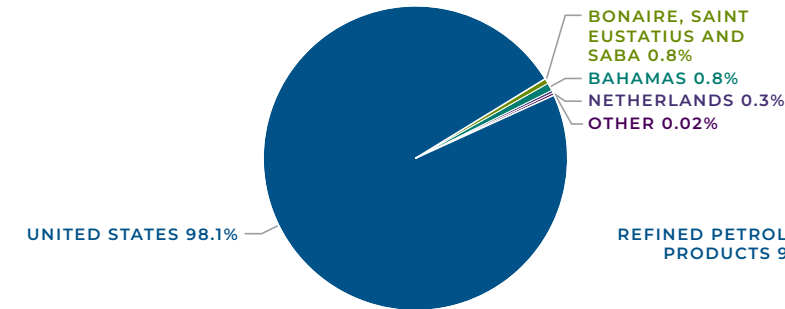
EXPORTS BY PRODUCT

PRODUCT	VALUE (\$ MILLION)	
	2020	2021
Refined petroleum products	5,076.3	8,016.9
Liquefied petroleum gases	89.5	216.3
Natural gas	217.7	191.6
Electrical energy	123.5	165.7
Other	0.0	0.0
Total	5,507.0	8,590.5

Source: Global Trade Tracker (December 2022).

Due to rounding, numbers in the tables in this report may not add up precisely to the totals provided.

EXPORTS BY COUNTRY (\$8.6 BILLION)



EXPORTS BY PRODUCT (\$8.6 BILLION)

