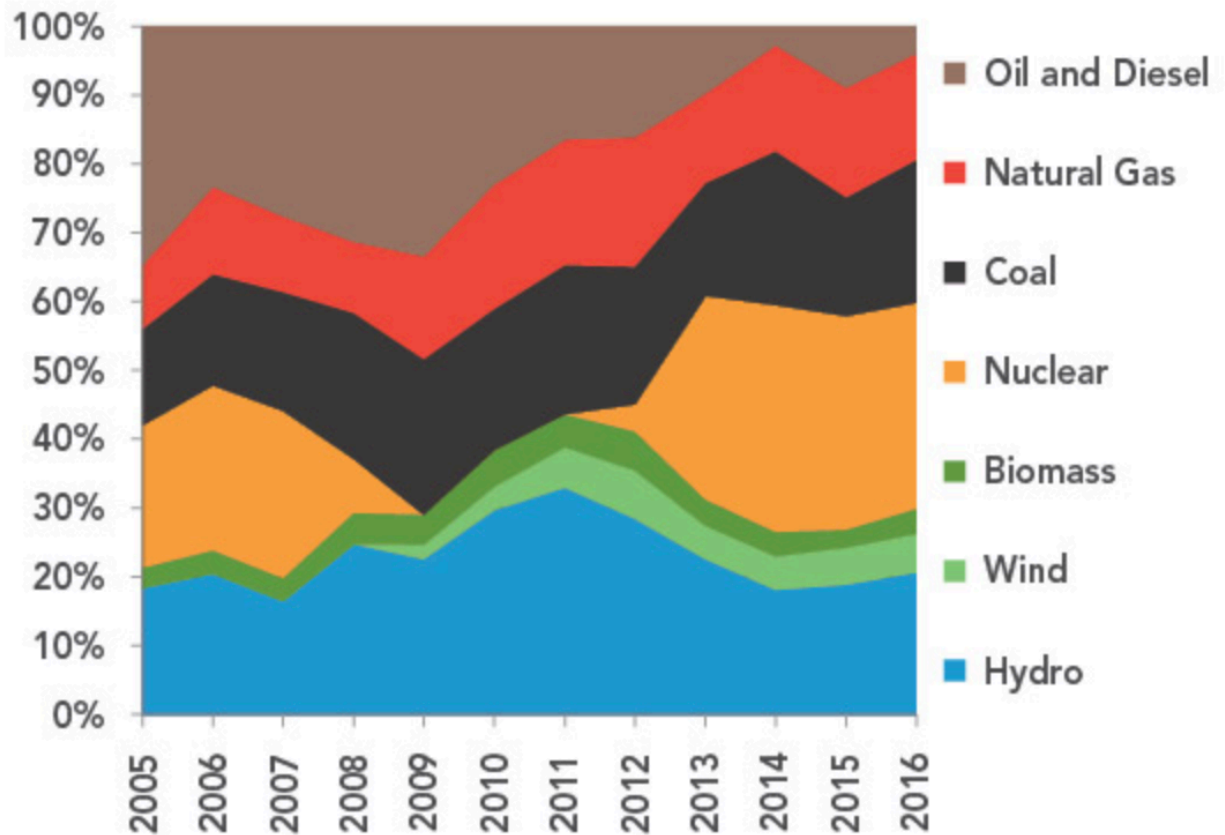


Fredericton Energy

Topic: Promoting New Brunswick's renewable energy sources over traditional sources of energy, while still meeting the demands of the customers

- NB has 14 nuclear, hydro, coal, oil and diesel-powered stations (+ privately owned renewable and natural gas suppliers)
- In 2019/2020, NB was using approximately 44.5% renewable energy resources and 80.4% non-emitting [1]
 - Total in province sales: 13,421 GWh
 - In province: [1] (
 - Biofuels: 623 GWh – 4.64%
 - Wind: 836 GWh – 6.23%
 - Hydro: 2003 GWh – 14.92%
 - Nuclear: 4814 GWh – 35.87% (not renewable)
 - Emitting Generation: 2643 GWh – 19.69%
 - ~ 82% energy comes from province
 - Approx. 54% of in province generate energy is renewable (not including nuclear)
 - Imports: [1]
 - Renewable: 2502 GWh – 18.64%
- In 2016 on 29.9% of NB's generated energy was renewable [2]



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- All 2016 notes from this source: [2]
 - In 2016, Nuclear accounted for 29.9% of the province's total generation (Lepreau Nuclear Generating Station)
 - Coal and natural gas supplied 20.7% and 15.5% respectively with oil and diesel decreasing from 34.7% to 3.9% in the graph.
 - Hydro main source of renewable at 20.6%
 - Wind 5.6%
 - Biomass 4.0% average over the full time
- Energy bill price in 2016 can be found at the bottom of this page: <https://www.cer-rec.gc.ca/en/data-analysis/energy-commodities/electricity/report/2017-canadian-renewable-power/province/canadas-renewable-power-landscape-2017-energy-market-analysis-new-brunswick.html>

- Additional info: <https://mjmsolar.com/solar-incentive-report/f/new-brunswick-solar-plan-improve-the-current-system-may-12020> (mostly on solar and pricing)

Bibliography

- [1] N. Power, Our Energy, 2021. [Online]. Available: <https://www.nbpower.com/en/about-us/our-energy>.
- [2] Canada Energy Regulator, Canada's Renewable Power Landscape 2017 - Energy Market Analysis, 2017. [Online]. Available: <https://www.cer-rec.gc.ca/en/data-analysis/energy-commodities/electricity/report/2017-canadian-renewable-power/province/canadas-renewable-power-landscape-2017-energy-market-analysis-new-brunswick.html>.