

# New Brunswick Power Electricity Sector

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# Greenhouse Gas Profile (CO2)



## Main Contributors:

- Electricity (30%)
- Large Industrial (29%)
- Transportation (27%)

## Electricity

- 40% Renewable Portfolio Standard – 2020
- 75% Non-Emitting - 2020
- ~52% below the 2005 level

# Electricity Demand



## Electricity and the NB Economy

- NB is among the most electricity-intensive in Canada, after Quebec
- Among the top five most electric-intensive economies in the world

## Competitive Electricity Rates / Export Markets

- Electricity
- Forestry – Lumber, Paper Products / Petroleum

## Energy Smart NB

- Smart Grid
- Smart Habits
- Smart Solutions

# Transition to a Low Carbon Economy



Each Province / Region in Canada is different

- One solution does not fit all
- Must be well understood

Infrastructure Renewal

- Energy Smart NB
- Distributed Generation / Renewable Integration
- Hydro / Wind / Solar / Nuclear

Regional Cooperation

- Transmission Interconnections
- Balancing Requirements

“Managed” Transition to Low Carbon economy