

Yet Another Liberal Attack on Alberta and Saskatchewan

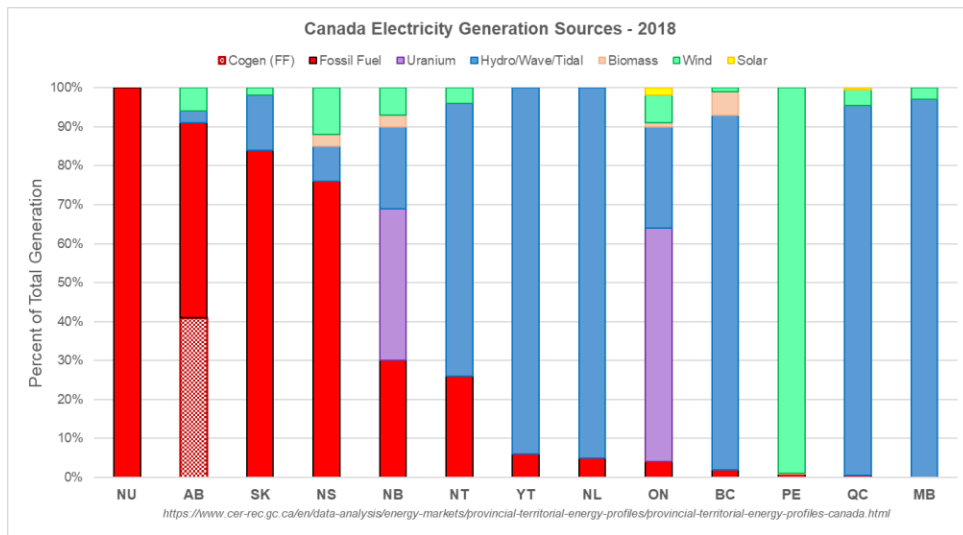
As COP26 ended in Glasgow, the Minister of Environment and Climate Change, Steven Guilbeault has pledged Canada to reach Zero Carbon Electricity generation by 2030.



A Direct Attack on Alberta and Saskatchewan

Cutting fossil fuel generation is directed primarily at Alberta and Saskatchewan, but also Nunavut, Nova Scotia whose primary source of electricity is from fossil fuels.

Eastern provinces, Ontario and Quebec will of course not be affected.

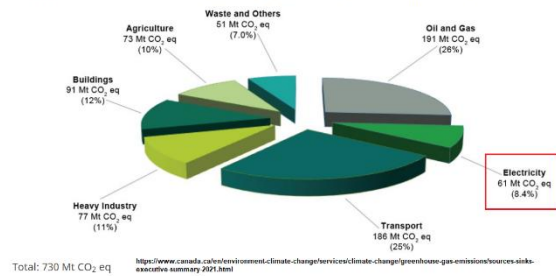


The Real Target is Oil Sands Production

Generation from fossil fuels accounts for only 15% of all electricity generation and less than 9% of Canada's Greenhouse Gas Emissions. Therefore, the impact of eliminating fossil fuels from electricity is minor.

But 40% of Alberta's Electricity is from Cogeneration Sources. This is electrical generation from waste heat from industrial processes. Primarily, these are from Oil Sands Operations

Figure ES-7: Breakdown of Canada's greenhouse gas emissions by economic sector (2019)

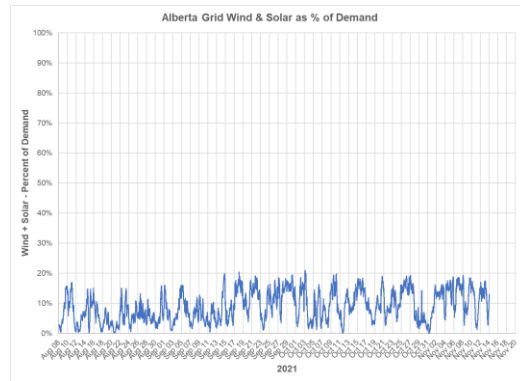
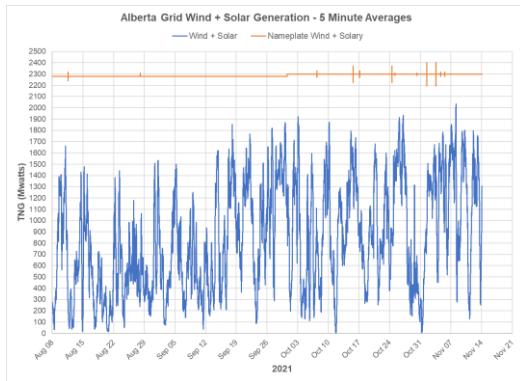


Eliminating cogeneration will significantly impact Oil Sands operating costs. The addition of promised Emissions Cap will then limit production volumes. The hope of Steven Guilbeault and Justin Trudeau is that Oil Sands facilities will be forced to shut down or at the very least be significantly constrained resulting in loss of royalty income and jobs.

Limited Options to Low-Cost Alternative Energy

Because Alberta and Saskatchewan do not have good access to low carbon sources such as hydro, geothermal or nuclear, they will be forced to adopt Wind and Solar.

Currently, both Alberta and Saskatchewan have experience with limited amounts of Wind and Solar. However, real-time generation data show these to be highly variable and unreliable. Neither are dispatchable in that they cannot respond to changes in Grid Demand. They are parasites displacing fossil fuel generation, but still requiring them as back-up to allow successful operation on the grid.



Complete elimination of fossil fuels from the Alberta Grid will require a large number of high-capacity energy storage systems to meet demand during the many periods that wind and solar fail to produce. To support these energy storage facilities, large amounts of surplus wind and solar capacity will have to be installed to charge them when sufficient wind and/or sun is available.

The total cost to eliminate fossil fuels from Alberta's electrical grid alone will be \$Ttrillions, crippling Alberta's economy.