Canadian energy jobs in a net-zero 2050

Clean Energy Canada and Navius Research modelled what will happen to jobs in the clean energy and fossil fuel sectors as the world shifts to net zero.

May 29, 2023









A Pivotal Moment





The Fast Lane







A Pivotal Moment

A net-zero 2050 can deliver 700,000 more Canadian energy jobs than exist today, but rolling back climate action would severely threaten this clean energy future

March 2023

CLEAN ENERGY CANADA

May 2019

Which scenarios did we model?

Net zero (main scenario): Canada reaches net zero in 2050. Delivers emissions reductions in the most cost-efficient way.

Current policy: Assumes only current and recently announced policies are fully implemented (including the ERP).

3 Rollback: Assumes a future government rolls back the federal carbon price (for both consumers and industry), the ERP, and the federal Clean Fuel Regulations.

All scenarios assume the *world* achieves net zero in 2050; uses the IEA's net-zero oil price of below US\$30 a barrel by mid-century, which the Canada Energy Regulator is also using in their upcoming net zero Energy Futures report.

Key takeaways

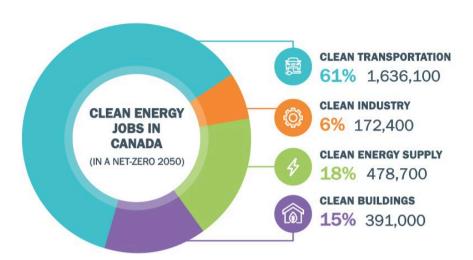
In a net-zero 2050, there are set to be 700,000 more energy jobs in Canada than there are today.

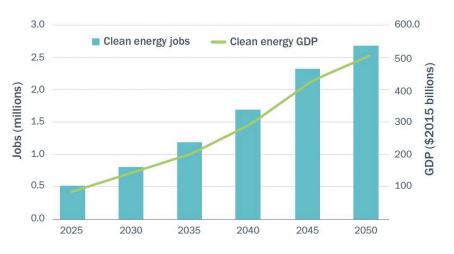
Rolling back climate measures will not save oil jobs, but going backwards does result in fewer energy jobs overall.

- Oil job losses are mainly due to the international shift to clean energy and a corresponding decline in oil prices.
- Pursuing and planning for net zero helps all provinces succeed, especially Alberta.



IN A NET-ZERO **2050**





IN A NET-ZERO **2050**

2.2 Million

MORE

CLEAN ENERGY
JOBS

1.5 Million

FEWER
FOSSIL FUEL
JOBS

+700,000

TOTAL

CANADIAN

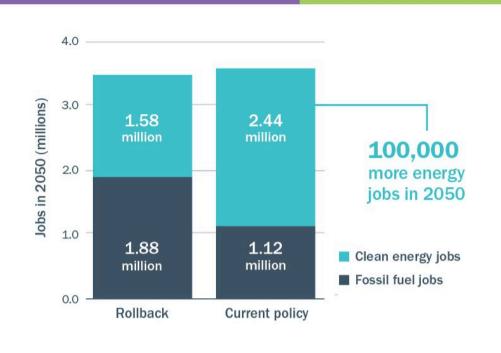
ENERGY JOBS



Projected change in Canadian energy jobs

92% of global GDP is now covered by net-zero commitments

Policy decisions today have implications for Canada's energy sector in the future





Recommendations

- Implement policy to **rapidly drive forward the clean energy transition** of Canada's economy, retaining and expanding Canada's competitive advantages.
- **Prepare Canada's workforce** for the high-skilled opportunities of a promising new energy economy.
- Identify and support the growth of **key emerging sectors**: areas where Canada can leverage its unique resources and competitive advantages.
- Promote a **fair, inclusive and sustainable** future for all workers as part of the energy transition.

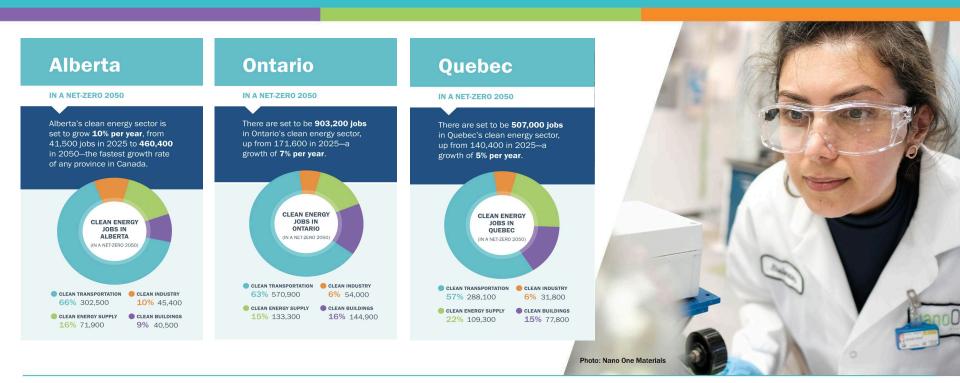
Questions?

Each Monday we publish the Clean Energy Review, a free weekly digest of must-read climate and clean energy stories from across Canada and around the world.

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Appendix: Alberta, Ontario, and Quebec



Appendix: The IEA oil price

