



Minister of Natural Resources

POCKET BOOK

Table of Contents

| | |
|--|----|
| Overview of Your Responsibilities | 2 |
| Natural Resources Key Facts | 3 |
| Upcoming Events / Business | 4 |
| Quick Responses to Hot Issues | |
| Resource Sector Competitiveness | 7 |
| Natural Resource Sector Transformation | 8 |
| Clean Energy | 9 |
| Trans Mountain Expansion (TMX) Pipeline | 10 |
| Keystone XL Project | 11 |
| Line 3 Project | 12 |
| Impact Assessment and Regulatory Review Process | 13 |
| Petroleum Sector Competitiveness | 14 |
| World Energy Outlook | 15 |
| Crude Oil Tanker Moratorium Act | 16 |
| Western Alienation | 17 |
| Canada–US Softwood Lumber Dispute | 18 |
| Resource Sector Closures and Curtailments | 19 |
| Indigenous Reconciliation | 20 |
| Liquefied Natural Gas | 21 |
| LNG Canada and Coastal GasLink Pipeline Projects | 22 |
| BC Gas Prices Report | 23 |
| Critical Minerals | 24 |
| Canadian Minerals and Metals Plan | 25 |
| Nuclear Energy | 26 |
| Lower Churchill Projects | 27 |
| Energy Efficiency Scorecard | 28 |
| Key Contacts | 29 |
| Ministerial Portfolio | 31 |
| Additional Facts on Resources | 37 |
| Provincial and Territorial Interests | 41 |

Your responsibilities include:

- Providing national and international leadership on natural resource issues.
- Overseeing expert science in energy, mining, forestry and earth sciences.
- Overseeing the knowledge and expertise used to monitor and protect the safety and security of Canadians (e.g., floods, earthquakes, wildfires and regulation of explosives).
- Implementing climate-change actions and promoting the transition to a clean economy, which includes advancing energy efficiency, clean technology and electrification.
- Overseeing regulatory structures in various areas including nuclear, interprovincial and international energy infrastructure (e.g. pipelines, power lines), offshore resources and energy efficiency.
- Making recommendations to Cabinet and the Governor in Council.
- Promoting and enhancing market access for, and the competitiveness of, Canada's natural resource sectors.

NATURAL RESOURCES SECTOR

- Employs about **1.7 million Canadians**, accounting for **9% of all jobs** in 2018.
- Accounts for **about 17% of Canada's GDP** (\$353B in 2018).
- Provides **49% of Canada's merchandise exports** (\$264B in 2018).
- Contributes **\$21 billion annually to government revenues** through various taxes (\$21B is the average amount over 2013–2017).
- Is the source of **35% of total non-residential capital investment** in Canada (\$87B in 2018).
- Involves **455 major resource projects worth almost \$635 billion** currently under construction or planned over the next 10 years in Canada.

KEY UPCOMING EVENTS

| | |
|-----------------------|---|
| November 25-27 | United Kingdom Mission (London, UK) |
| December 2-13 | 2019 United Nations Climate Change Conference (Madrid, Spain) |
| December 3-5 | Assembly of First Nations Special Chiefs Assembly (Ottawa, ON) |
| December 4-5 | Indigenous Advisory Monitoring Committee-Trans Mountain Expansion Meeting (Vancouver, BC) |
| December 5-6 | International Energy Agency Ministerial (Paris, France) |
| January 10-14 | United Arab Emirates Trade Mission (International Renewable Energy Agency) (Abu Dhabi, UAE) |

| | |
|-----------------------|--|
| February 3–6 | PaperWeek Canada 2020 (Montreal, QC) |
| February 10–13 | GLOBE 2020 (Vancouver, BC) |
| February 27 | Canadian Nuclear Association Annual Conference (Ottawa, ON) |
| March 1–4 | Prospectors & Developers Association of Canada Annual Conference (Toronto, ON) |
| March 9–13 | Canadian Energy Research Associates Week (Houston, TX) |

Other Business (Your First 3 Months)

- **Early Decisions:** Advance priorities for the Speech from the Throne and mandate letter as well as potential Cabinet items, departmental activities, regulatory initiatives and portfolio responsibilities.
- **Upcoming Appointments:** Provide Ministerial recommendations to the Governor in Council and make decisions on Ministerial appointments.
- **Priority Calls and Outreach:** Introductory meetings and calls with key partners and stakeholders.
- **Preparing for Budget 2020:** [Retracted].

Additional information is available in your Welcome Package.

Resource Sector Competitiveness

- Given all that Canada has: our energy, mineral, and forest abundance; our political stability and diversified workforce; the Indigenous partnerships and our record of balancing resource development with environmental protection, there are a lot of reasons to be confident in Canada's resource sectors.
- The government has confidence in Canada's capacity to compete internationally as a valued, innovative place to do business in the clean growth century.
- We will work with our provincial and territorial counterparts to strengthen the competitiveness of our natural resource sectors.

Natural Resource Sector Transformation

- Our traditional sectors are transforming themselves to make Canada a global leader in a cleaner, more inclusive, sustainable low carbon economy.
- This transformation provides a unique opportunity for Canada to brand itself as a reliable and competitive supplier of clean natural resources, goods, services and technologies.

Clean Energy

- Clean tech is the fastest-growing sector of the Canadian economy.
- Canada's annual clean energy RD&D investment increased to \$775 million in 2019-20 from \$387 million in 2014-15.
- 82% of Canada's electricity supply is already non-emitting.
- Canada is committed to a cleaner energy future by building on our foundation of clean electricity – hydro, wind, solar – and doing more.
- We will continue to invest in technology and innovation and to work with the provinces and territories, the private sector and international partners to excel in these areas.

Trans Mountain Expansion (TMX) Pipeline

- The government approved this project because it is in the public interest.
- While we know that Canadians have diverse views on this project, we are confident that we have delivered on our commitment to get this right.
- Construction is underway, with over 2,200 people working at sites in the Edmonton and Burnaby areas, and permitting processes are progressing well.

On litigation:

- The government is preparing to vigorously defend the TMX project approval decision at the upcoming hearing in December 2019.

Keystone XL Project

- The Canadian portion of the Keystone XL pipeline was approved in April 2010.
- The Government of Canada has always supported the Keystone XL pipeline.
- Keystone XL has secured approval from Canada and all three states along the pipeline's route.
- The project will bring significant economic benefits to both the United States and Canada, and we look forward to construction moving forward.

Line 3 Project

- The Line 3 project, which is completed on the Canadian side, will generate thousands of jobs, replacing a 50-year-old pipeline with a new and safer one.
- The Government of Canada has always supported the Line 3 project and we respect US state jurisdiction in this matter.
- We are hopeful that this situation will be addressed in a timely way so that the replacement project can proceed.

Impact Assessment and Regulatory Review Process

- The Government of Canada has put in place legislation for major projects that will:
 - protect the environment
 - restore public trust and respect Indigenous rights
 - ensure good projects can go ahead
 - support new jobs and economic opportunities
- The government is open to suggestions for implementing the new review process.

Petroleum Sector Competitiveness

- Canada is building the essential infrastructure to reach global markets and obtain better prices for our resources.
- This sector will continue to play an important role in Canada's economy for years to come.
- We remain committed to working with the provinces, Indigenous communities and stakeholders to improve environmental performance, strengthen competitiveness and increase market access.

World Energy Outlook

- The International Energy Agency's World Energy Outlook underscores that the world needs many technologies and fuels to meet the Paris targets.
- It also needs to double down on renewables and improve energy efficiency.
- This assessment backs up Canada's approach to the energy transformation.
- This includes investing more than \$2.3 billion in clean technology and a commitment to the Canadian Centre for Energy Information.
- We will continue to work hard to meet our Paris targets.

Crude Oil Tanker Moratorium Act

- The government understands that the environment and the economy go hand in hand.
- *Bill C-48*, provides an unprecedented level of environmental protection for a unique ecosystem and formalizes an [Redacted] oil tanker moratorium on British Columbia's north coast.
- It also includes a review of the ban in five years.
- We are also investing \$1.5 billion in the Oceans Protection Plan, a national strategy to create a world-leading marine safety system that provides economic opportunities for Canadians today, while protecting our coastlines for future generations.

Western Alienation

- The Government of Canada recognizes the challenges facing western Canada.
- Canadians in Alberta and Saskatchewan are an essential part of our great country, and our government is committed to addressing their concerns and working hard to bring our nation together.
- To that end, we are:
 - committed to the TMX project, which is under construction.
 - supporting Keystone XL, Line 3, and LNG Canada.
 - prepared to consider suggestions for improving federal transfers, including the Fiscal Stabilization Program; and
 - open to suggestions for implementing the new review process.

Canada–US Softwood Lumber Dispute

- The Government of Canada believes that the US duties on Canadian softwood lumber are unfair and unwarranted.
- We will continue to vigorously defend Canada's vital forest sector in the face of US trade action and press for a negotiated agreement.

Resource Sector Closures and Curtailments

- The government is always concerned when employees are laid off or lose their jobs, and our first priority is to help them get back to work.
- That is why we are making significant investments to boost competitiveness and create new jobs throughout Canada's resource sectors.
- Services and programs are also available to assist any affected workers. These include immediate income measures and work-sharing options to longer-term training, such as employment counselling, skills assessments, job search assistance and skills training.

Indigenous Reconciliation

- No relationship is more important to Canada than the one with Indigenous peoples, which, like any relationship, requires an ongoing and sustained commitment.
- We are committed to achieving reconciliation with Indigenous peoples through a renewed, nation-to-nation, government-to-government and Inuit–Crown relationship based on the recognition of rights, respect, co-operation and partnership.

Liquefied Natural Gas

- Canadian liquefied natural gas (LNG) is an emerging industry that holds the potential to reduce global GHG emissions and build a cleaner future.
- We are working to ensure that Canada becomes the world's cleanest producer of LNG, and will continue to work with industry, provincial and territorial governments, and Indigenous communities to ensure its long-term competitiveness.

LNG Canada and Coastal GasLink Pipeline Projects

- The \$40-billion LNG Canada project will create up to 10,000 jobs.
- It will also create billions of dollars in government revenues and hundreds of millions of dollars in construction contracts for Indigenous businesses.
- The LNG Canada facility and the provincially regulated Coastal GasLink pipeline project are critical to shipping more Canadian natural gas to new global markets.

BC Gas Prices Report

- We understand the challenge British Columbians are facing with fluctuating, high gas prices across the province.
- The findings of the report confirmed that there is no evidence to explain the difference in wholesale gasoline prices between British Columbia and the US Pacific Northwest.
- The government remains committed to working with provinces and ensuring market conditions to promote a secure, reliable and affordable energy supply for all Canadians.

Critical Minerals

- Critical minerals are in increased global demand and are needed to advance high technology, national defense and the transition to a low-carbon future.
- Canada is a secure and sustainable supplier of critical minerals.

Canada-US:

- Critical minerals are essential to the economies and national security of Canada and the United States.
- Canada and the US committed in 2019 to developing a joint action plan on critical minerals collaboration to improve mineral security, strengthen the competitiveness of our industries and support secure and reliable supply chains.

Canadian Minerals and Metals Plan

- The federal-provincial/territorial Canadian Minerals and Metals Plan (CMMP) is an ambitious framework to realize our potential in a low carbon economy.
- The CMMP includes six strategic directions involving governments, industry, Indigenous peoples, and non-governmental organizations across Canada:
 - Economic Development and Competitiveness;
 - Advancing the Participation of Indigenous Peoples;
 - The Environment;
 - Science, Technology and Innovation;
 - Communities; and
 - Global Leadership.

Nuclear Energy

- We place the highest priority on health, safety, and environmental protection in all aspects of the nuclear industry.
- Nuclear energy contributes 15% of Canada's electricity supply, making it an important part of our zero-carbon energy mix.
- It plays an important role in helping meet climate targets and can provide future jobs and economic growth through new innovations such as small modular reactors.

Lower Churchill Projects

- The Lower Churchill projects will make a major contribution to meeting Atlantic Canada's future energy needs by providing a long-term, reliable and abundant source of clean energy.
- The Government of Canada has already provided \$9.2 billion in loan guarantees, reducing the burden of costs for the Lower Churchill projects on ratepayers.

Energy Efficiency Scorecard

- The Government of Canada knows that using less energy is the best way to save money and help the environment.
- That is why we have committed to energy efficiency and made significant investments since 2015.
- Natural Resources Canada will continue to work with the provinces and territories to advance energy efficiency objectives.

GENERAL

Switchboard to Minister's Office

580 Booth St.

Tel: [Redacted]

Prime Minister's Office Switchboard

Tel: [Redacted]

NATURAL RESOURCES CANADA DEPUTY MINISTER'S OFFICE

Christyne Tremblay

Deputy Minister

Tel: [Redacted]

Cell: [Redacted]

Email: [Redacted]



Shawn Tupper

Associate Deputy Minister

Tel: [Redacted]

Cell: [Redacted]

Email: [Redacted]



Lynda Palombo

Senior Departmental

Assistant

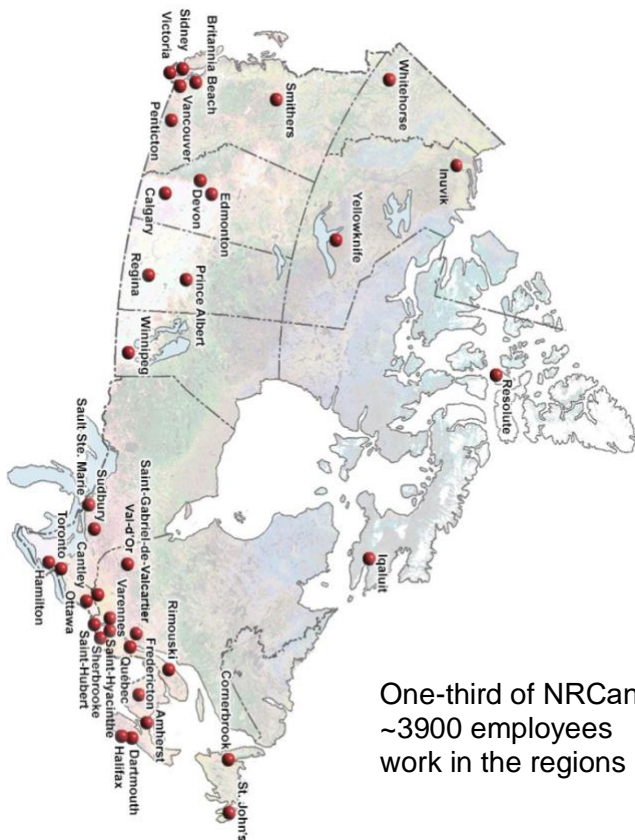
Tel: [Redacted]

Cell: [Redacted]

Email: [Redacted]



NRCAN OPERATIONS/WORKSITES



One-third of NRCAN's
~3900 employees
work in the regions

ATOMIC ENERGY OF CANADA LIMITED (CROWN CORPORATION)

Mandate

- Crown corporation responsible for enabling nuclear science and technology and managing the Government of Canada's decommissioning and radioactive waste responsibilities.
- Delivers its mandate through a contractual arrangement with Canadian Nuclear Laboratories for the management and operation of its sites under a government-owned, contractor-operated model.

James Burpee

Chairperson

Tel: [Redacted]

Email: [Redacted]

Richard Sexton

President/Chief

Executive Officer

Tel: [Redacted]

Email: [Redacted]

CANADA ENERGY REGULATOR (*REGULATOR*)

Mandate

- Departmental corporation supported by a Board of Directors (responsible for the governance of the organization), CEO and independent Commission (quasi-judicial tribunal).
- Regulates international and interprovincial pipelines and power lines, energy development and trade on behalf of Canadians in a way that protects the public and the environment while supporting efficient markets.

Cassie Doyle

Chair of the Board of Directors

Tel: [Redacted]

Email: [Redacted]

Peter Watson

Chief Executive Officer

Tel: [Redacted]

Email: [Redacted]

CANADIAN NUCLEAR SAFETY COMMISSION (*REGULATOR*)

Mandate

- Independent regulatory agency and quasi-judicial administrative tribunal that regulates the use of nuclear energy and materials to protect the health, safety and security of Canadians and the environment.
- Implements Canada's international commitments on the peaceful use of nuclear energy and disseminates objective, scientific, technical and regulatory information to the public.

Rumina Velshi

President and Chief Executive Officer

Tel: [Redacted]

Email: [Redacted]

CANADA-NEWFOUNDLAND AND LABRADOR OFFSHORE PETROLEUM BOARD (*REGULATOR*)

Mandate

- Independent joint agency of the Governments of Canada and Newfoundland and Labrador.
- Facilitates the exploration and development of petroleum resources in the Canada-Newfoundland Labrador Offshore area in a way that respects the health and safety of workers, protects the environment, effectively manages land tenure, maximizes hydrocarbon recovery and value, and benefits both Canada and Newfoundland and Labrador.

Scott Tessier

Chief Executive
Officer

Tel: [Redacted]

Email: [Redacted]

Roger Grimes

Chairperson

Tel: [Redacted]

Email: [Redacted]

CANADA-NOVA SCOTIA OFFSHORE PETROLEUM BOARD (*REGULATOR*)

Mandate

- Independent joint agency of the Governments of Canada and Nova Scotia.
- Responsible for the regulation of petroleum exploration and production activities in the Canada-Nova Scotia offshore area to enable the safe and responsible development of Nova Scotia's offshore petroleum resources.

R. Keith Macleod

Chairperson

Tel: [Redacted]

Email: [Redacted]

Christine Bonnell- Eisnor

A/Chief Executive
Officer

Tel: [Redacted]

Email: [Redacted]

ENERGY SECTOR

2018 Facts

(coal and uranium mining is part of the Minerals and Metals Sector)

Share of Canada's GDP.....10.8% (\$222.3B)

Contribution to Employment.....4.1% (781,000)

 Direct.....1.3% (256,500)

 Indirect.....2.8% (524,500)

Contribution to Capital Expenditures 29.6% (\$70.5B)

Exports.....22.7% (\$122.3B)

Imports.....8.2% (\$48.6B)

% of Sector's exports to US95% (\$116.0B)

- Fourth-largest producer of both oil and natural gas, second-largest producer of hydro power, second-largest producer of uranium.
- 82% of our electricity is from non-emitting sources; electricity is 20% of our energy demand.
- Energy efficiency improved in Canada by 31% over 1990–2016, saving Canadians \$45 billion in energy costs.

MINERALS AND METALS SECTOR

2018 Facts

| | |
|--|------------------|
| Share of Canada's GDP..... | 3.5% (\$72B) |
| Contribution to Employment..... | 3.3% (626,000) |
| Direct..... | 2.1% (409,000) |
| Indirect..... | 1.1% (217,000) |
| Contribution to Capital Expenditures | 5.0% (\$13B) |
| Exports..... | 19.7% (\$104.6B) |
| Imports..... | 14.6% (\$87.3B) |
| % of Sector's exports to U.S. | 52.2% (\$54.6B) |

- Canada is the global leader in the production of potash and ranks among the top five global producers for diamonds, gold, nickel, platinum group metals and uranium.
- The minerals and metals industry is a leading employer of Indigenous peoples, providing 16,600 jobs.
- Canadian exploration and mining industries have mining assets abroad worth over \$169 billion.

FOREST SECTOR

2018 Facts

Share of Canada's GDP 1.2% (\$25.8B)
Contribution to Employment 1.1% (210,615)
Contribution to Capital Expenditures 0.8% (\$2B)

Exports 7.1% (\$38.3B)
Imports 2.0% (\$11.9B)

% of Sector's exports to US 65.6% (\$25.1B)

- With almost 9% of global forest product trade, Canada is a global forest sector powerhouse.
- The forest sector is a rural economic engine, with 300 forest-dependent communities and 11,565 jobs for Indigenous peoples.
- The sector is a world leader in sustainable forest management, with less than 1% harvested annually and subsequently replaced and with 36% of the world's third-party-certified sustainably managed forest base.

CLEAN TECH SECTOR

- Clean tech is the fastest-growing sector of the Canadian economy.

2017 Facts

Share of Canada's GDP..... 3.1% (\$61.9B)

Contribution to Employment.....1.6% (282,000)

Exports..... 1.9% (\$12.4B)

Imports..... 1.7% (\$12.1B)

- The vast majority of Canada's clean tech firms are exporters. The value of exports from the clean technologies, clean energy and environmental products sector has grown by 40.8% since 2007.
- The size of the global clean tech market is expected to double from over \$1 trillion USD today to \$2.5 trillion USD in 2022.

BRITISH COLUMBIA

- Federal support for three upstream natural gas electrification projects
- Supreme Court of Canada Constitutional Challenge (authority for interprovincial pipelines)
- BC–Canada cooperation on LNG competitiveness
- Internationally Transferred Mitigation Outcomes
- Softwood lumber (forest sector crisis)
- Caribou
- Spill response (TMX)
- Clean technology / transportation

ALBERTA

- Frontier Oil Sands Mine Project
- Innovation (Clean Resource Innovation Network)
- Pipeline projects (TMX, KXL, Line 3)
- Court challenges (Bills C-69/C-48, carbon pricing)
- Oil price differential
- Indigenous economic development
- Equivalency on clean fuel/methane regulations
- Internationally Transferred Mitigation Outcomes
- Caribou and bison
- Mountain pine beetle

SASKATCHEWAN

- Court challenge (carbon pricing)
- Equivalency on clean fuel standard and methane regulations
- Bill C-69 (competitiveness)
- Uranium exports / potash mining
- Small modular reactors (on-grid power/mining)
- Gunnar Mine remediation

MANITOBA

- Court challenge (carbon pricing)
- Manitoba–Minnesota Transmission Line Project
- Interties with Saskatchewan
- Environmental assessment process for the Lake Manitoba–St. Martin outlet channels
- Indigenous capacity-building for mining

ONTARIO

- Supreme Court of Canada constitutional challenge (carbon pricing)
- Enbridge Line 5
- US trade (tariffs on steel)
- Ring of Fire
- Connecting remote communities to Ontario grid
- Small modular reactors (on-grid power/mining)
- Softwood lumber
- Caribou

QUEBEC

- Climate change / energy transformation
- Energy efficiency / alternate fuels (hydrogen)
- Clean tech / transportation
- Electricity exports to other provinces and US
- Gazoduq pipeline and Énergie Saguenay (LNG)
- Canada–Quebec Offshore Accord
- Softwood lumber
- Caribou

NEW BRUNSWICK

- Clean Power Roadmap for Atlantic Canada
- Smart grid technology
- Canada-New Brunswick Offshore Accord
- Small modular reactors (on-grid power)
- Softwood lumber
- Caribou
- Spruce budworm
- Flood mapping

NOVA SCOTIA

- Clean Power Roadmap for Atlantic Canada
- Marine protected areas / oil and gas bids
- Tidal energy / ocean supercluster
- LNG development and Alton natural gas project
- Spruce budworm

PRINCE EDWARD ISLAND

- Clean Power Roadmap for Atlantic Canada
- Pollution pricing – impact on gas prices
- Climate change adaptation
- Wind power, biomass
- Spruce budworm
- Flood mapping

NEWFOUNDLAND AND LABRADOR

- Clean Power Roadmap for Atlantic Canada
- Lower Churchill / Muskrat Falls
- Bill C-69 / Offshore competitiveness
- ExxonMobil NAFTA Chap. 11
- Marine protected areas
- Caribou

YUKON

- Arctic and Northern Policy Framework
- Climate change emergency
- Beaufort Sea Agreement
- Clean energy for remote communities

NORTHWEST TERRITORIES

- Arctic and Northern Policy Framework
- Climate change
- Taltson Hydroelectric Expansion project
- Beaufort Sea Agreement / Arctic moratorium
- Clean energy for remote communities

NUNAVUT

- Arctic and Northern Policy Framework
- Devolution
- Canada–Nunavut Geoscience Office
- Clean energy for remote communities
- Lancaster Sound / last ice
- Mary River Iron Ore Project
- Small modular reactors