



Minister of Natural Resources  
**POCKET BOOK**

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### **Your responsibilities include:**

- Providing national and international leadership on natural resource issues.
- Overseeing expert science in energy, mining, forestry and earth sciences.
- Managing the knowledge and expertise used to monitor and protect the safety and security of Canadians (e.g., floods, earthquakes, wildfires, and explosives regulation).
- Implementing measures to combat climate change and promoting the transition to a net-zero economy, which includes advancing energy efficiency, clean fuels, technology, and electrification.
- Overseeing regulatory structures in such areas as nuclear energy, interprovincial and international energy infrastructure (e.g., pipelines, power lines), offshore resources, and energy efficiency.
- Making recommendations to the 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 almost **2 million Canadians**, accounting for nearly **11% of all jobs** in 2020.
- Is the **largest private employer** of Indigenous workers in Canada.
- Accounts for **about 15.5% of Canada's GDP** (\$320B in 2020).
- Provides **47% of Canada's merchandise exports** (\$224B in 2020).
- Contributes **\$21.4 billion annually to government revenues** through various taxes, fees, and royalties (\$21.4B is the average between 2014 and 2018).
- Is the source of **30% of total non-residential capital investment** in Canada (\$73B in 2020).
- Totals **443 major resource projects worth almost \$540 billion** that are currently under construction or planned over the next 10 years in Canada.

### **Resource Sector Competitiveness & Transformation**

- Canada's natural resource advantage goes well beyond the abundance of our energy, mineral and forest resources. It also includes our long-standing experience and expertise in developing our natural wealth – sustainably and inclusively.
- For example, we are known around the world for our political stability and national diversity, and we've developed strong, transparent rules to protect the environment and promote Indigenous partnerships.
- These advantages make Canada an attractive place to do business in this clean growth century.
- Canada's resource sectors are transforming to become global leaders in the low-carbon economy so they are already to take advantage of the growing market for clean goods, services and technologies.



## Quick Responses to Hot Issues

- This ongoing transformation provides a unique opportunity for Canada to promote its brand as a reliable, secure, and competitive supplier of clean natural resources, goods, services, and technologies.
- Canada is committed to reducing its greenhouse gas emissions by 40 to 45 percent below 2005 levels by 2030, and achieving net-zero by 2050.
- Meeting Canada's climate commitments will mean transforming our energy sector and decarbonizing our industry, buildings and transportation through energy efficiency measures, electrification and clean fuels.
- We will work to ensure Canada's resource sectors continue to be a source of prosperity for Canadians and that the low-carbon economy is a source of opportunity for our people, regions, and the economy as a whole.

### **Clean Energy**

- Transforming the way we produce and use energy will be key to meeting our 2030 target and 2050 net-zero goals.
- The government is making significant investments to support the development of new cleaner forms of energy. For example:
  - We're investing in renewable energy and grid modernization projects such as wind, solar and energy storage.
  - We're expanding electric vehicle infrastructure and working to improve energy efficiency of our homes, buildings, and industrial facilities.
  - We're investing \$1.5 billion over five years to build and expand clean fuel production facilities across the country.
- We're investing in RD&D to accelerate innovation and develop new clean energy technologies.

## **Quick Responses to Hot Issues**

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- Building a net-zero economy means working with the provinces and territories, Indigenous partners and the private sector to continue to invest in all of these areas and beyond.

### **Just Transition**

- Canada launched consultations in July 2021 to inform the development of just transition legislation to support workers and communities in the transition to a low carbon future.
- We are focused on ensuring that workers and communities reap the benefits of the job opportunities that the transition to a greener economy presents.
- Building on Canada's strong foundation of supporting workers impacted by labour market disruptions, significant investments in training and skills development will equip our workforce and communities for a successful transition.
- We look forward to working closely with Federal partners, Indigenous Peoples, provinces and territories, and key stakeholders, including workers and unions, to ensure a transition that is just and equitable.

## **Trans Mountain Expansion (TMX) Pipeline**

- The TMX project involves twinning the existing 1,147 km Trans Mountain pipeline between Edmonton, Alberta, and Burnaby, British Columbia. The project will triple the existing pipeline's capacity to 890,000 barrels of Canadian oil products per day.
- TMX is more than a third complete and has created over 9,000 jobs in British Columbia and Alberta since construction began. The planned in-service date for the Project is December 31, 2022.
- The right to lawful, peaceful, and safe protest is a foundation of our country's rights and freedoms and the Government of Canada respects that right. We expect people to express their views peacefully and in accordance with the law.

## Quick Responses to Hot Issues

- The RCMP is working to create a safe environment for stakeholders and other observers to demonstrate for or against this project.
- The RCMP will continue to monitor the situation and will take action if criminal activity threatens the safety of individuals or property.

### **Canada-U.S. Relationship**

- Canada and the United States have a highly integrated energy network that ensures energy security and economic competitiveness on both sides of the border.
- Canada will continue to defend its interest in this relationship while making progress towards climate change objectives.
- We were disappointed by the January 20, 2021 decision by President Biden to revoke the Keystone XL project's construction permit.

### **Line 3 Project**

- Construction of the Line 3 replacement project is nearing completion in the United States, and we look forward to this safer pipeline entering service. It will be an important part of a highly interconnected North American energy system and will bring benefits to both Canada and the United States.
- Canada approved the Line 3 Replacement Project in 2016, and the rebuilt pipeline has been in service on the Canadian side of the border since 2019.
- When Line 3 enters service in the U.S., it will reinforce an important continental supply chain by restoring the pipeline's original 760,000 barrel-per-day capacity and supporting jobs and economic recovery in our two countries.
- The Government of Canada is aware of the ongoing litigation in the United States, and closely monitoring developments.



### **Line 5 Project**

- The Line 5 pipeline connects western Canadian oil and natural gas liquids to central Canadian refineries, supporting the economies of Alberta, Saskatchewan, Ontario and Quebec, and supplies feedstock to refineries in Michigan and Ohio, as well as Eastern Canada. It also provides essential fuels to heat homes and power the economy in the entire Great Lakes region.
- This critical piece of energy infrastructure has safely operated for more than 65 years, and Enbridge's plan for encasing it in a concrete tunnel under the Straits of Mackinac would make a safe pipeline even safer.
- Nonetheless, the State of Michigan is seeking to shut it down, and recent mediation between Enbridge and the state of Michigan is at a standstill.
- On October 4, 2021, Canada invoked article IX of the 1977 Transit Pipeline Treaty to request formal negotiations with the United States on Line 5.

## Quick Responses to Hot Issues

- Canada has raised the importance of Line 5 through engagements with the highest levels of the U.S. Administration and collaboration with the provinces of Alberta, Saskatchewan, Ontario and Quebec, and industry and labour sectors.

### **Emission Reduction Fund (ERF)**

- The Government of Canada created the \$750 million Emissions Reduction Fund (ERF) during the unprecedented global pandemic to assist oil and gas workers by assisting onshore and offshore firms to reduce their methane and greenhouse gas emissions.
- The ERF is also helping to advance environmental research and decarbonize the oil and gas sector so that it is even more globally competitive in the post-pandemic economy.

### **Oil & Gas Sector Competitiveness**

- According to the International Energy Agency's World Energy Outlook, as global markets become more carbon constrained, oil and gas will still comprise a significant part of this energy mix for the foreseeable future. The Canadian oil sector will have a significant role to play in providing the global markets with responsibly produced crude oil.
- The Government of Canada continues to support the oil and gas industry in order to reduce emissions, such as through the \$1.7 billion investment for orphan and abandoned well reclamation in Western Canada. To provide longer-term support, the Government also launched the Emissions Reductions Fund, a \$750 million fund aimed at supporting the sector's innovation efforts while reducing emissions and environmental impacts.

### **International Energy Agency's Net Zero by 2050 Roadmap**

- The International Energy Agency's (IEA) Net Zero by 2050 Roadmap makes it clear that all countries will need to do more to address climate change, and on a faster timeline.
- The IEA identified three pillars that will be at the heart of the transformation to net-zero:
  - technology and innovation to reduce GHG emissions;
  - behavioural change in energy consumption and the use of renewable energies; and
  - improvements in energy efficiency.
- Canada agrees and is committed to fostering innovation and advancing clean energy to help meet our climate change targets.

### **Western Alienation**

- 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:
  - committed to the TMX project, which has created 9,000 jobs in BC and Alberta, and will provide access to offshore markets;
  - approved the NGLT system expansion projects;
  - supported the Line 3 replacement project;
  - invested in the operation of long-range fuel cell electric trucks between Calgary and Edmonton;
  - committed to a transition to a low-carbon economy that starts with the workers who helped build this country.

### **Liquefied Natural Gas**

- Liquefied natural gas (LNG) is an emerging industry that has the potential to reduce global GHG emissions and allow Canada to help build a cleaner future.
- The Government of Canada will work with industry, provincial and territorial governments, and Indigenous communities to ensure the long-term competitiveness of the industry, support its environmental performance, and secure the significant economic benefits it can bring to families and communities.

### **LNG Canada and Coastal GasLink Pipeline Projects**

- The LNG Canada facility and the provincially regulated Coastal GasLink pipeline project will provide responsibly produced Canadian natural gas to new global markets, support global energy security, and help advance international carbon reduction efforts. Phase One of the \$40 billion LNG Canada project will create up to 10,000 jobs in Canada.
- It will also create billions of dollars in government revenues and hundreds of millions of dollars in construction contracts for Indigenous businesses.



### **Offshore Oil and Gas**

- The offshore oil and gas sector is a key pillar of Atlantic Canada's economy. The sector generates employment, supports local businesses, drives research and development, and promotes education and training.
- The petroleum sector and Canada's offshore area have been hit hard by the pandemic and other challenges. We will continue to work closely with our partners to support jobs and ensure a long-term, low-emission future for our offshore.
- Regulatory standards for Canada's offshore installations, equipment and training are among the highest in the world. We have confidence in the Offshore Petroleum Boards and their ability to ensure safety and environmental protection.

### **Indigenous Reconciliation**

- No relationship is more important to Canada than the relationship with Indigenous Peoples. Our Government is working together with Indigenous Peoples to build a nation-to-nation, Inuit-Crown, government-to-government relationship – one based on respect, partnership, and recognition of rights.
- At Natural Resources Canada, we are building meaningful relationships with Indigenous nations, communities, and groups while advancing economic reconciliation, ensuring an inclusive economic recovery, supporting community capacity, and developing innovative partnerships to promote sustainable growth of Canada's natural resource sectors.

### **United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP)**

- UNDRIP is fundamentally an instrument that affirms the human rights of Indigenous Peoples.
- UNDRIP can be used as a lens for relationship building and advancing meaningful participation in resource development.
- The UN Declaration Act provides a framework for the implementation of the UN Declaration by the federal government.
- In the coming months and up to June 2023, NRCan will be responsible for engaging with industry on the progress of the action plan and provide opportunities for input, where possible.

### *Responsive Lines on Free, Prior, and Informed Consent*

- Free, prior, and informed consent is about working together in partnership and respect. It is about the effective and meaningful participation of Indigenous Peoples in decisions that affect them, their communities, and their territories.
- NRCan will continue to play a key role in supporting Justice Canada and Crown-Indigenous Relations Canada in the implementation of the legislation and in the development of the action plan with Indigenous Peoples.

### **Two Billion Trees**

- There is no path to net-zero emissions that does not involve Canada's forests. Nature-based climate solutions, including planting trees, create good, green jobs and more natural spaces for Canadians to enjoy.
- We are using the power of nature to reduce emissions, clean the air we breathe, make our communities more resilient to natural disturbances, and create up to 4,300 green jobs in the process.

### **Canada-U.S. Softwood Lumber Dispute**

- The Government of Canada believes that the U.S. duties on Canadian softwood lumber are unfair and unwarranted.
- We will continue to vigorously defend Canada's vital forest sector in the face of U.S. 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 affected workers. These include immediate income measures and work-sharing options as well as longer-term training, such as employment counselling, skills assessment, job search assistance, and skills training.

### **Critical Minerals**

- Critical minerals are in growing global demand and are needed to advance clean technology, national defense, aerospace, manufacturing, digital technologies and the transition to a low-carbon future.
- Canada is a secure and sustainable supplier of critical minerals, including sought-after metals such as nickel, cobalt, and graphite. We also have significant resources and several advanced-stage projects for lithium and rare earth elements.

#### **Canada-U.S.:**

- Critical minerals are essential to the economies and national security of Canada and the United States.
- In 2020, Canada and the US finalized the Canada-U.S. Joint Action Plan on Critical Minerals Collaboration to support our mutual interest in securing supply chains.



### **Canadian Minerals and Metals Plan**

- The federal-provincial/territorial Canadian Minerals and Metals Plan (CMMP) is an ambitious pan-Canadian framework for boosting competitiveness in a low-carbon, digital economy.
- The CMMP was launched in 2019 by Canadian Mining Ministers. It includes six strategic directions involving governments, industry, Indigenous Peoples, and non-governmental organizations across Canada:
  - Economic Development and Competitiveness;
  - The Participation of Indigenous Peoples;
  - The Environment;
  - Science, Technology, and Innovation;
  - Communities; and
  - Global Leadership.

## Quick Responses to Hot Issues

- A Pan-Canadian Geoscience Strategy, Indigenous procurement conferences, a re-imagined National Orphaned and Abandoned Mines Initiative, innovation challenges, improving mineral literacy, and developing a Canada Brand for mining.
- The government has also committed to collaboration on developing made-in-Canada supply chains for critical minerals and batteries.

### **Nuclear Energy**

- Canada places the highest priority on health, safety, and environmental protection in all aspects of the nuclear industry.
- Nuclear energy accounts for 15 percent of Canada's electricity supply, making it an important part of our zero-carbon energy mix now and in the future.
- Nuclear energy can produce heat without emissions to support the decarbonization of heavy industry.
- 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.

### **Radioactive Waste**

- Protecting the health and safety of Canadians and the environment is the government's top priority when it comes to nuclear energy. This includes ensuring that all radioactive waste in Canada is managed safely for generations to come.
- All radioactive waste in Canada is currently managed according to international standards at facilities that are licensed and monitored by our world-class regulator—the Canadian Nuclear Safety Commission.

### **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 to serve households and businesses across the region.
- The Government of Canada has already provided \$9.2 billion in loan guarantees to reduce the financial burden of the Lower Churchill projects on ratepayers.
- We are pleased the Government of Newfoundland and Labrador, the Government of Canada and the Innu Nation concluded an agreement on the financial restructuring of the Lower Churchill projects and that the underlying injunction has been dropped.
- The Government of Canada remains committed to working collaboratively with provinces and territories, and Indigenous Peoples, to build a healthier and cleaner future, and an economy that works for everyone.

### **Atlantic Loop**

- Atlantic Canada is on a path to a clean energy future. Governments and utilities throughout the region are already taking bold actions to decarbonize their electricity systems
- The Atlantic Loop is a promising regional electricity transmission project that would expand electrical interconnections between the Atlantic provinces and Quebec. A more interconnected, clean energy grid can serve as a foundation for a competitive, electrified economy throughout the region and a high quality of life for all its residents.
- Canada is working closely with the Atlantic provinces to develop the infrastructure needed to provide clean, reliable, and affordable energy to households and businesses throughout the region.

### **Energy Efficiency**

- Energy efficiency is one of the easiest and most cost effective ways to lower energy use and reduce GHG emissions, while helping individual Canadians and businesses save money - improving competitiveness and creating jobs.
- As global and domestic energy demand continues to grow, there is untapped potential for energy efficiency improvements in our buildings and industrial sectors.
- Reaching our climate targets will also require energy use reductions across all sectors, enabled by increased energy efficiency.
- Natural Resources Canada will continue to work with the provinces and territories to advance energy efficiency opportunities.

### **Canada Greener Homes Grant**

- The Canada Greener Homes Grant (CGHG) was launched so Canadians can lower their energy bills and make their home more comfortable while also lowering emissions.
- CGHG offers up to \$5,000 to homeowners for eligible home upgrades, and up to \$600 to support the cost of Energuide home evaluations.
- Homeowners will be able to learn about their home's energy performance and improve its energy efficiency and resiliency by installing energy-efficient retrofits that they might not have otherwise considered.



### **Recent Scenario Reports from Trottier and the International Energy Agency**

- The Government of Canada welcomes recent outlook reports, including the *Canadian Energy Outlook 2021* and the *World Energy Outlook 2021*.
- They are important contributions to the growing body of knowledge on what is needed to reach net-zero emissions.
- Experts agree that there are multiple potential pathways to reach Canada's climate objectives. The work from Institut de l'énergie Trottier and the International Energy Agency, as well as modeling done by other organizations, provides an important range of perspectives as Canada tackles this important challenge.

### Hydrogen

- Canada is a top hydrogen producer, generating \$200 million in hydrogen technology exports (for example fuel cells), employing over two thousand Canadians in this industry.
- We must continue to rely on Canadian expertise throughout the entire value chain to develop new hydrogen supply, distribution, and end uses that will support a low-carbon energy ecosystem whose benefits begin now.
- Low-carbon and zero-emission hydrogen can reduce our annual greenhouse gas emissions by up to 45 million metric tonnes a year by 2030.

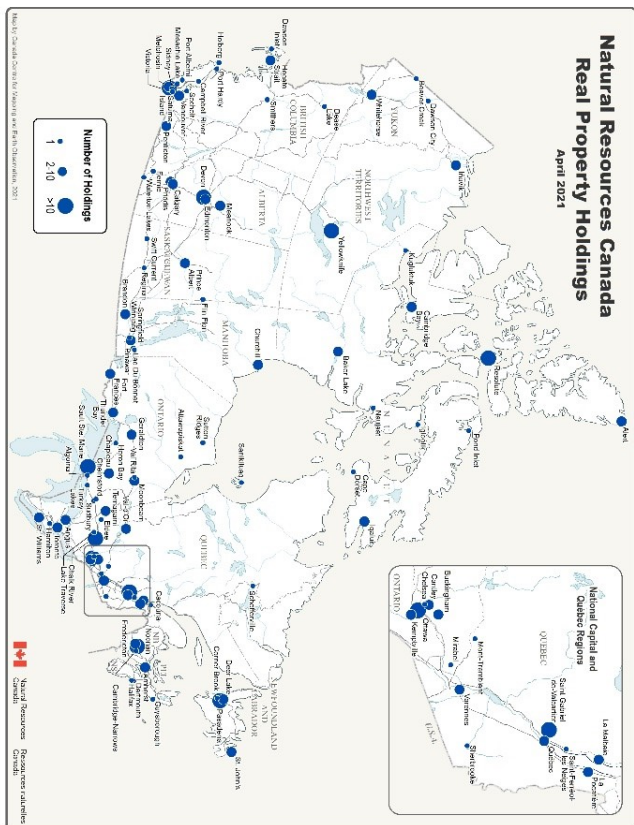
### **Carbon Capture, Utilization, and Storage (CCUS)**

- Carbon capture, utilization, and storage (CCUS) is an essential part of Canada's transition towards a net-zero future and is needed to help key sectors compete in a low-carbon global economy.
- NRCan has been gathering insights and perspectives from key partners and stakeholders to develop a CCUS Strategy for Canada that is inclusive and reflects the opportunities CCUS offers across various regions and sectors of Canada.

### **Zero-Emissions Vehicles**

- To build a healthier and greener future for all Canadians, the Government of Canada is committed to supporting cleaner, more affordable, and sustainable transportation to protect the environment, create jobs, and support communities.
- Accelerating the shift towards zero-emission vehicles is key for a green economy. This will help transition our economy to a cleaner future, with the goal of reaching net-zero by 2050.
- Canada has invested over \$1 billion to make EVs more affordable and charging infrastructure more accessible by establishing a coast-to-coast network of fast chargers and installing chargers in localized areas.
- These investments support Canada's accelerated target of 100 percent zero-emission light-duty vehicle sales by 2035.

## NRCAN OPERATIONS/WORKSITES



## **ATOMIC ENERGY OF CANADA LIMITED (CROWN CORPORATION)**

### **Mandate**

- Crown corporation responsible for enabling nuclear science and technology and managing the Government of Canada's radioactive waste and decommissioning 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.

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Chairperson

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### **Fred Dermakar**

President/Chief

Executive Officer

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## **CANADA ENERGY REGULATOR (REGULATOR)**

### **Mandate**

- Departmental corporation supported by a Board of Directors (responsible for the governance of the organization), a CEO (handling day-to-day operations), and an independent Commission (quasi-judicial tribunal).
- Regulates interprovincial and international pipelines and power lines, as well as energy development and trade to protect the public and the environment while supporting efficient markets.

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## **CANADIAN NUCLEAR SAFETY COMMISSION (*REGULATOR*)**

### **Mandate**

- Independent regulatory agency and quasi-judicial administrative tribunal that regulates the use of nuclear energy and materials while protecting 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.

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## **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.

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### **Roger Grimes**

Chairperson

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## **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.

### **Barbara Pike**

Acting Chairperson

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### **Christine Bonnell- Eisnor**

Acting Chief

Executive Officer

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## NORTHERN PIPELINE AGENCY

### Mandate

- Independent federal agency that carries out federal activities related to the planning and construction of the Alaska Highway Gas Pipeline (AHGP), taking into account local and regional interests, in particular those of Indigenous Peoples.
- Responsible for maximizing the social and economic benefits from the construction and operation of the AHGP, while minimizing any adverse effects on the social and environmental conditions of areas most directly affected by the pipeline.

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# ENERGY SECTOR

## 2020 Facts

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

Share of Canada's GDP .....	7.9% (\$163.3B)
Contribution to Employment.....	4.5% (\$801,000)
Direct.....	1.6% (\$279,000)
Indirect.....	3.0% (\$521,500)
Contribution to Capital Expenditures...	24.4% (\$59.0B)
Exports .....	18.5% (\$88.5B)
Imports .....	5.2% (\$59.0B)
% of Sector's exports to US .....	95.5% (\$84.5B)

- Fourth and fifth-largest producer of both oil and natural gas respectively; third-largest producer of hydro power; and second-largest producer of uranium.
- 82% of our electricity is from non-emitting sources; electricity accounts for 20% of energy demand in Canada.
- Energy efficiency in Canada increased by 12% between 2000 and 2018, which saved Canadians \$26 billion in energy costs.

# **MINERALS AND METALS SECTOR**

## **2020 Facts**

Share of Canada's GDP .....	5.2% (\$107B)
Direct .....	3.4% (\$70B)
Indirect.....	1.8% (\$37B)
Contribution to Employment.....	3.9% (\$692,000)
Direct .....	2.1% (\$377,000)
Indirect.....	1.8% (\$315,000)
Contribution to Capital Expenditures .....	4.6% (\$12B)
Exports .....	21.4% (\$102B)
Imports .....	16.8% (\$91B)
% of Sector's exports to US .....	50.7% (\$52B)

- Canada is the global leader in the production of potash and ranks among the Top 5 in uranium, aluminum, niobium, indium, diamonds, platinum, titanium, and gold. Canada also boasts some of the world's largest deposits of potash and uranium.
- In 2020, the minerals sector directly and indirectly accounted for 692,000 jobs and contributed \$107 billion to the country's GDP.
- The minerals and metals industry is a leading employer of Indigenous Peoples, providing 16,500 jobs.

## **Additional Facts on Resources**

- Canadian exploration and mining industries have assets abroad worth \$178 billion, in almost 100 countries.

# FOREST SECTOR

## 2020 Facts

Share of Canada's GDP.....	1.2% (\$25.2B)
Contribution to Employment.....	1% (\$184,510)
Contribution to Capital Expenditures .....	0.8% (\$1.9B)

Exports .....	7.1% (\$33.9B)
Imports .....	2.2% (\$12.3B)

% of Sector's exports to US ..... 75.5% (\$25.6B)

- With almost 8% of the world's forest product exports, Canada is a global powerhouse in the forest sector.
- The industry is the primary economic engine for some 300 mostly rural communities and a source of 12,000 jobs for Indigenous Peoples (2016 census).
- The sector is a world leader in sustainable forest management. Canada accounts for 36% of all third-party-certified sustainably managed forests. More than 99% of the forest area harvested in Canada each year is replaced.

# CLEAN TECH SECTOR

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

## 2019 Facts

Share of Canada's GDP ..... 3.0% (\$70.5B)

Contribution to Employment..... 1.8% (\$341,000)

Exports ..... 2.0% (\$13.5B)

Imports ..... 2.9% (\$19.9B)

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



### **BRITISH COLUMBIA**

- Federal support for three upstream natural gas electrification projects
- BC-Canada cooperation on LNG competitiveness
- Internationally Transferred Mitigation Outcomes
- Softwood lumber (forest sector crisis)
- Caribou
- Spill response (TMX)
- Clean technology/transportation

### **ALBERTA**

- Innovation (Clean Resource Innovation Network)
- Pipeline projects (TMX, KXL, Line 3)
- Oil price differential
- Indigenous economic development
- Equivalency on clean fuel/methane regulations
- Internationally Transferred Mitigation Outcomes
- Caribou and bison
- Mountain pine beetle
- Small Modular Reactors

### **SASKATCHEWAN**

- Equivalency on clean fuel standard and methane regulations
- Uranium exports/potash mining
- Small modular reactors (on-grid power)
- Gunnar Mine remediation

### **MANITOBA**

- 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**

- 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
- Gazoduc pipeline and Énergie Saguenay (LNG)
- Canada-Quebec Offshore Accord
- Softwood lumber
- Caribou

### **NEW BRUNSWICK**

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

### **NOVA SCOTIA**

- Atlantic Loop/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**

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

### **YUKON**

- Arctic and Northern Policy Framework
- Climate change emergency
- Beaufort Sea Agreement
- Clean energy for remote communities
- Kudz ze Kayah Silver-Zinc Mine Proposal
- Atlin hydro project/connection to BC
- Small modular reactors

### **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
- Kivalliq Hydro-Fibre Link to Manitoba