



TERRY BEECH
BURNABY NORTH-SEYMOUR

Our Liberal Government's Work on

CLIMATE CHANGE & THE ENVIRONMENT



Reducing Emissions



Developing Renewable Energy



Protecting our Oceans



Investing in Green Infrastructure



Partnering with Indigenous Communities

Introduction

Since being elected in 2015, as a government, we have been firmly committed to climate action. One of the first historic steps our Liberal Government took was facilitating the Vancouver Declaration on Clean Growth and Climate Change. When First Ministers from across Canada met in Vancouver in 2016, there was an agreement to take a collaborative approach to immediately reduce greenhouse gas emissions and focus heavily on sustainable economic growth. Out of that summit came the Pan Canadian Framework on Clean Growth and Climate Change. This comprehensive framework and its guiding principles have defined our Liberal Government's policies since 2015. We have been resolutely focused on significantly reducing emissions and aggressively combating climate change while growing our economy in a sustainable way. This document highlights some of the policies, programs, and investments we've made and developed from the 42nd Parliament and onwards.

Reducing Emissions

Setting ambitious GHG emission reduction targets and developing a clear plan to achieve them is a key part of our climate change plan.

- In 2015, annual emissions were climbing quickly, and Canada produced 815 megatonnes of emissions that year. By 2020 these emissions were reduced to 672 megatonnes, and by 2030, we will reduce annual emissions to 523 megatonnes. Canada is now positioned to reduce emissions by about 36 percent below 2005 levels by 2030.
- Canadians have been making sustainable choices within their households and communities - and this is crucial. Not only for our Liberal Government's plans for a green recovery from COVID-19, but to ensure we can deal with the climate crisis. It is because of the hard work and support of Canadians that our Liberal Government is making progress in creating sustainable solutions and protecting our environment.
- In June 2021, we welcomed the Royal Assent of the Canadian Net-Zero Emissions Accountability Act. It marks the first time a Canadian government has legislated emissions reduction accountability to address climate change by setting legal requirements on governments to plan, report, and correct the path to net-zero emissions by or before 2050. We will reach net-zero emissions by setting legally binding, five-year milestones based on the advice of experts and consultations with Canadians.
- Reductions as a result of the establishment of national regulations to reduce emissions of air pollutants from the petroleum and petrochemical sectors—including oil-sands upgrades.
- We are establishing the Net Zero Accelerator program, which invests in decarbonizing large emitters, transforming key sectors, and accelerating the adoption of clean technology across the economy. This is spurring Canada's shift to innovative net-zero technologies and is attracting the large-scale investments needed to meet our goal of net-zero by 2050.
- Emissions reductions by moving toward the target of having 90% of Canada's electricity coming from non-emitting sources by 2030. Additionally, we've accelerated the phase-out of coal power, and with its removal by 2030, the equivalent will have been that of removing 1.3 million cars from the road.
- Reductions from additional measures such as public transit and green infrastructure, technology and innovation, and stored carbon.

A small snapshot of what else has taken place so far:

- Emissions of heavy metals have all decreased by more than 85% since 1990. In 2020, cadmium, lead, and mercury emissions were 90%, 77% and 82% below the ceilings internationally established.
- Industrial emissions in Canada continue to decline, largely due to decreasing emissions from the mining and smelting industry and coal-powered electric generation. This includes the closure of outdated smelters.
- Oil and Gas drilling ban, implemented in 2016, in the Arctic will ensure that the Arctic ecosystem is protected from future risks associated with offshore oil and gas activity.
- In 2020, investments of \$2.65 billion were made to support climate action in developing countries, which are the hardest hit by climate change and often have limited capacity to prevent and cope with its consequences. This amount has since doubled to \$5.3 billion in 2021.
- Emissions reductions through the launch of the Emerging Renewable Power Program, which will fund projects on renewable energy technologies.
- Ensure energy workers and communities can shape their own futures by introducing a Just Transition Act and Task Force, giving workers access to the training, support, and new opportunities needed to succeed in the clean economy.
- Helping Canadians living in rural and remote communities reduce their reliance on diesel for electricity and heating by investing in affordable and clean energy solutions, such as hydro, wind, solar, geothermal, and bioenergy, through the Clean Energy Innovation Program.
- Commitment to plant 2 billion trees through our Natural Climate Solutions Fund, which also funds projects across Canada to clean our air, protect our communities, and restore habitats.
- Strengthened alignment with the United States to further cut pollution from transportation and methane emissions.

Moving Towards a Renewable Energy Future

We've put a nationwide price on pollution. It's worked incredibly well here in BC for the last fourteen years. A transparent national price on carbon allows individual consumers and businesses to price the rising cost of pollution into their everyday decision-making. The federal carbon pollution pricing system is not about raising revenues. It is about recognizing that pollution has a cost, empowering Canadians, and providing a powerful economic incentive for individuals to invest in driving Canada toward a low-carbon future. A family may purchase an electric vehicle sooner than they would have otherwise, and a business might invest in more energy-efficient equipment for their factory. In addition to this measure, we're implementing an investment tax credit for capital invested in carbon capture, utilization, and storage projects, to reduce emissions by at least 15 megatonnes of CO₂ annually. Additionally, to help guide our transition away from high emissions in high-emitting sectors, we are providing \$319 million to Natural Resources Canada. This investment will support research and development that will improve the commercial viability of carbon capture, utilization, and storage technologies.

The Climate Action Awareness Fund will invest \$206 million over five years to support Canadian-made projects that help to reduce Canada's greenhouse gas emissions. The Climate Action Awareness Fund has three main priorities:

- Support youth climate awareness and community-based climate action.
- Support climate research at Canadian think tanks and in academia.
- Advance climate science and technology.

We are also creating the Clean Fuel Standard, which works to ensure that liquid and gaseous fuels are cleaner by providing \$67.2 million in funding. Additionally, to support economic opportunities for low-carbon fuels, we're providing \$1.5 billion to establish a Clean Fuels Fund. This fund will help with the production and distribution of low-carbon and zero-emission fuels, including hydrogen and biomass, across Canada and worldwide.

Moving Towards A Renewable Energy Future

Protecting our environment requires investing in renewable energy. Renewable energy is one of the fastest-growing industries in the world and represents a huge opportunity for Canada. Since 2015, our Liberal Government has prioritized seeking out and forming relationships with clean technology and renewable energy leaders across Canada and funding research when possible. We actively invest in their growth so that we can make immediate gains in moving towards a low-carbon future. Our innovators, scientists, entrepreneurs, and engineers, with help from our Liberal Government, are making rapid advancements in renewable energy.

Specific investments include:

- Supporting clean technology research, development, demonstration, and adoption – as well as accelerating the growth of clean technology companies by providing \$2.2 billion.
- \$700 million through the Business Development Bank of Canada (BDC) to support the growth of Canada's clean technology sector.
- \$100 million per year from the Regional Development Agencies to support clean technology, representing a doubling of the existing annual aggregate support.
- Supporting research, development, and demonstration of clean energy technologies with the greatest potential to reduce GHG emissions by providing \$82.5 million.
- Reaching our climate goals will also help ensure that the conditions are right to seize the growing economic opportunities of a clean future. This plan includes \$9.1 billion in new investments and reflects economy-wide measures such as carbon pricing and clean fuels while also targeting actions sector by sector ranging from buildings to vehicles to industry and agriculture.
- Creating 2000 green job internships for Canadian Youth in the STEM fields (science, technology, engineering, and math) by providing \$15.8 million.



Participating in a garbage clean up with local students.



Taking part in a climate action protest with members of our community.

Reducing by 50 percent the general corporate and small business income tax rates for businesses manufacturing zero-emission technologies. The reductions will go into effect on January 1, 2022, and will be gradually phased out starting January 1, 2029. These proposed tax rate reductions will enhance Canada's competitiveness in attracting investment in zero-emission technology manufacturing while supporting existing businesses in the sector.

Action Under the Low Carbon Fund

- Saskatchewan received \$2.8 million to fund their Northern First Nations Home Retrofit Program, which will help indigenous communities to retrofit their homes.
- BC has received \$162 million to support projects, including the reforestation of public forests, which absorb carbon from the atmosphere and store it.
- Ontario has received \$420 million to support projects such as renovating buildings, retrofitting houses, and helping farmers reduce emissions from their operations.
- Alberta has received almost \$150 million to help Albertans, including farmers and ranchers, use less energy and save money. Alberta will work with Indigenous communities to install renewable energy solutions and invest in restoring forests affected by wildfires.



Top Left: Speaking with Dr. Farahnaz Nourmohammadian, Founder and Chief Science Officer of Lucent Biosciences, about the innovations her team has made in sustainable fertilizers.

Top Right: Announcing new programs under the Ocean's Protection Plan.

Bottom Left: Giving a speech in the House of Commons with my daughter Nova about the fundamental threat climate change poses to our nation and our world.

Our \$3.5 Billion Oceans Protection Plan

- A state-of-the-art Marine Safety System which includes 24/7 spill response capacity.
- \$75 million Coastal Restoration Fund to support marine habitat restoration priorities and address threats to marine species located on Canada's coasts and waterways.
- Includes increased funding for the Salmonid Enhancement Program. I know from personal experience that this program educates young members of our community about the importance of Wild Pacific Salmon conservation and habitat preservation. The continuation of this amazing program is a result of members of our community getting engaged and working in a positive way to set the right priorities for our kids and for our province.
- Investing \$50 million to build the Coastal Environmental Baseline Program. This program will conduct a multi-year study of the highest activity ports in Canada to determine the impact of human activity.
- Assisting projects that retrieve ghost gear, dispose of fishing-related plastic waste, test new and more sustainable fishing technology, and support international efforts to decrease ocean waste that threatens marine life by providing \$10 million.
- Stabilizing and conserving wild Pacific salmon populations, including through investment in research, new hatchery facilities, habitat restoration, and improving commercial and recreational fisheries management by providing \$647.1 million.
- \$25.6 million over the next five years to Environment and Climate Change Canada to create a census of the environment to help monitor environmental trends and better inform decision-making.
- \$20 million over the next two years to Fisheries and Oceans Canada to expand engagement with the Province of British Columbia, Indigenous communities, industry, scientists, and other stakeholders. This consultation will inform the development of a responsible plan to transition from open net-pen salmon farming in coastal British Columbia waters by 2025.
- \$3 million over the next two years to pilot area-based management approaches to planning, management, and monitoring of aquaculture activities in priority areas on the British Columbia coast—leading the way in developing aquaculture practices that are economically, environmentally, and socially sustainable.
- Proposed amendments to the Canada Shipping Act and other acts, including enabling the proactive management of marine emergencies and to handle more types of pollution.
- \$183.1 million over five years, starting in 2022-23, to Environment and Climate Change Canada, to better understand the effects of microplastics on human health, monitor plastic contaminants in the North, inform ship plastic waste management, and monitor plastic pollution in water systems.
- \$85 million over 5 yrs to establish the Canada Water Agency and \$650 million over 10 years to support monitoring, assessment and restoration of Canada's freshwater bodies.
- \$19.6 million in 2022-23 to Environment and Climate Change Canada to sustain the Freshwater Action Plan, which supports clean-up efforts in the Great Lakes, the St. Lawrence River, Lake Winnipeg, Lake of the Woods, the Fraser River, the Saint John River, the Mackenzie River, and Lake Simcoe.
- \$151 million over 3 yrs to protect endangered whales and their habitats.
- \$165 million over 7 yrs for Green Shipping Corridor Program.
- \$184 million over 4 yrs to species at risk.

These efforts will help us reach our goal of conserving 35 percent of lands and waters by 2025, and 30 percent by 2030.

\$1.3 Billion Over Five Years to Support Canada's Biodiversity and Protect Species at Risk

This investment will contribute \$500 million from the federal government to create a new \$1 billion Nature Fund in partnership with corporate, not-for-profit, provincial, territorial, and other partners. The remainder of the fund will:

- Increase the federal capacity to protect species at risk.
- Expand national wildlife areas and migratory bird sanctuaries.
- Increase the federal capacity to manage protected areas, including national parks.
- Continue the implementation of the Species at Risk Act by supporting assessment, listing, recovery planning, and action planning activities.
- Establish a coordinated network of conservation areas working with provincial, territorial, and Indigenous partners.

British Columbia Old Growth Nature Fund

British Columbia's iconic old growth forests have deep-rooted cultural significance to Indigenous communities and are important to all British Columbians. They are critical habitats for many species at risk and are important natural stores of carbon. To conserve and protect these forests, we've proposed \$55.1 million over three years to establish an Old Growth Nature Fund in collaboration with the Province of British Columbia, non-governmental organizations, and Indigenous and local communities.

Defending Canada's Marine Areas

We are on track to reach our goal of conserving 25 percent of our lands and oceans by 2025 and 30 percent by 2030 through the creation of new Marine Protected Areas (MPAs). Additionally, through Budget 2021, we are providing \$976.8 million over the next five years to help Canada reach our 25 percent goal by 2025. The Federal Government's establishment of MPAs protects the health of our oceans, commercial fishing stocks, and Canadians' quality of life, especially in coastal communities, and creates thousands of jobs in nature conservation and management.

Some of our additional ocean protection measures including:

- A moratorium on tanker traffic on the north coast. This moratorium will prevent the transport of products that could harm our sensitive ecosystems such as partially upgraded bitumen, synthetic crude oil, pitch, slack wax, and bunker C fuel oil.
- More than \$197 million in ocean and freshwater science over five years. This is allowing for the hiring of 135 scientists at the Department of Fisheries and Oceans (DFO).
- \$1.3 million invested towards implementing the Pacific Salmon Treaty, a move that will help monitor stock assessment and catch monitoring.
- Strengthening the Coast Guard's search and rescue capacity with a new Emergency Response Vessel that will be stationed at the Kitsilano Coast Guard Base.

- We are protecting Wild Salmon by acting immediately on the recommendations put forward by the Cohen Commission. We have so far satisfied 64 out of the 75 recommendations.
- Introduction of an Abandoned Boats Program that will ensure the cleanup of abandoned or wrecked boats from small craft harbours.
- We have developed stronger environmental assessment regulations that will protect our environment, rebuild public trust in federal assessment and regulatory processes, and provide predictability for businesses by investing \$1 billion over five years.
- We're working with provinces and territories toward a goal of zero plastic waste by 2030, including the elimination of certain single-use plastics by the start of this year. Our shorelines and oceans are no place for single-use plastics, and our plan to ban them will build on our existing ban on microplastics.

Protecting Our Southern Resident Killer Whales

We have taken comprehensive action and introduced new measures to address some of the major risks to Southern Resident Killer Whales, including:

- \$167.4 million for research to better understand the factors affecting the health of endangered whales, as well as actions that we can take immediately to address the impacts of human activities.
- \$9.1 million in science funding to develop and test technologies able to detect the presence of whales.
- \$3.1 million for four projects to study the impacts of underwater noise and reduced prey availability on marine mammals, including the Southern Resident Killer Whale.
- Prey availability and accessibility, including protecting access to Chinook salmon with minimal disturbance in key foraging areas.
- Reducing acoustic and physical disturbance, including vessel speed reductions, by encouraging vessels to turn off echo sounders and fish finders when not being used, and having them turn engines to neutral idle if a whale is within 400 metres.
- Reducing contaminants affecting Southern Resident Killer Whales and their prey. To closely examine the impact of contaminants on fish, marine mammals, and other aquatic species, we are providing \$2.7 million in funding, plus an additional \$1.3 million for a partnership between DFO and the Vancouver Aquarium to research the impacts of microplastics. We've also issued a ban on all sales of microbeads effective July 1, 2018.
- The University of British Columbia received \$1.1 million to examine how changes in the food web in areas of the Southern Resident Killer Whale affect the abundance and quality of Chinook Salmon, which is the whale's primary food source.
- Ocean Wise received over \$942,000 for a comprehensive health and condition assessment of Southern and Northern Resident Killer Whale populations to better understand the impact of environmental stressors, particularly noise and prey limitation.
- The University of Victoria received over \$935,000 to better understand the behaviour and vulnerabilities of Southern Resident Killer Whales and their prey.
- The Vancouver Fraser Port Authority received \$200,000 to continue operating the underwater listening station in the Strait of Georgia, measuring and monitoring noise levels from commercial vessels and the presence of Southern Resident Killer Whales in the Salish Sea.

Encouraging and Investing in Green Infrastructure Development

Transforming our cities to be resilient, sustainable, and eco-friendly is a huge priority for our Liberal Government and a necessary step in the fight against climate change. Our cities account for a considerable portion of our emissions — it is, therefore, our responsibility as a government to make it easier and more attractive to build infrastructure sustainably and to increase incentives to use renewable transportation. This includes expanding on our \$25 billion investment to upgrade our public transit systems.

We've added \$14.9 billion over eight years, with \$3 billion per year in permanent funding starting in 2026-27, announced in 2021 for public transit projects across Canada. This funding will support new subway lines, light-rail transit, street cars, electric buses, active transportation infrastructure, and improved rural transit, creating affordable commuting options and reducing Canada's emissions. It will also provide local governments with the predictable transit funding they need to plan ahead so Canada can keep building more sustainable and livable communities. In BC, particularly the Lower Mainland, we can expect a new extension to the Millennium Line along Broadway and Light Rapid Transit in Surrey. In our community, we've seen the recent approval of the \$210 million gondola to SFU. We've already seen huge increases in SeaBus service and expanded bus and SkyTrain Service — this will continue under the next phase of the plan. In Spring 2021, as a part of the Investing in the Canada Infrastructure Program, \$6,160,000 is budgeted for the Brentwood Town Centre Station Upgrade in Seymour, North Vancouver. This program will help Burnaby North-Seymour reduce air and water pollution, provide clean water, increase resilience to climate change and create a clean-growth economy.

Clean Economic Growth

In 2017 we began providing \$21.9 billion over 11 years for investments in green infrastructure, including initiatives that will support the implementation of the Pan-Canadian Framework on Clean Growth and Climate Change. Of this \$21.9 billion, \$9.2 billion has been provided to provinces and territories in bilateral agreements. This will support priority projects, including those that reduce greenhouse gas emissions, deliver clean water, safely manage wastewater, help communities prepare for challenges that result from climate change, and help build cleaner, better-connected electricity systems.

We are also investing \$2.1 billion towards repairs, retrofits, and the modernization of a wide range of government buildings and the greening of government operations. All government operations will see emissions reductions of 40% by 2030 and 80% by 2050.

Provinces and territories need to keep up with these goals, which is why we are investing \$2 billion over five years to develop a Low Carbon Economy Fund. It will fund projects that reduce carbon pollution and help provinces and territories meet their climate targets.

To help Canadians make their homes greener and more affordable, our Liberal Government has provisioned \$4.4 billion to help homeowners complete deep home green retrofits. This will allow us to:

- Provide interest-free loans of up to \$40,000 to help homeowners go green.
- Create 700,000 grants of up to \$5000 each.

\$182 Million to Develop and Implement New Building Codes

This funding is used to retrofit existing buildings and build new net-zero energy-consumption buildings. When our buildings use less energy, people save more money. We've also extended tax support for businesses that upgrade to energy-efficient equipment.

Building New Electric Charging Stations

Since 2016 we've invested \$376.4 million and initiated work to build nearly 6,000 electric vehicle charging and refuelling stations with partners all across the country. This funding is helping build electric vehicle infrastructure that will link towns and cities with charging stations so that cars can drive across the country on clean power. Since Budget 2019, we've made zero-emission vehicles (ZEV) a realistic option for more Canadians by making them up to \$5,000 cheaper, building the infrastructure to support them, and encouraging new investments in ZEV manufacturing here in Canada. In 2022, we're providing \$1.7 billion to Transport Canada to extend the ZEV incentives program until March 2025. Eligibility under the program will also be broadened to support the purchase of more vehicle models, including more vans, trucks, and SUVs, which will help make ZEVs more affordable. We are making it easier for Canadians to switch to electric vehicles through additional funding of \$400 million for ZEV charging stations to add 50,000 ZEV chargers to Canada's network. In addition, the Canada Infrastructure Bank will invest \$500 million in ZEV charging and refuelling infrastructure.

The government will also put in place a sales mandate to ensure at least 20 percent of new light-duty vehicle sales will be zero-emission vehicles by 2026, at least 60 percent by 2030, and 100 percent by 2035. To reduce emissions from medium- and heavy-duty vehicles (MHDVs), the Government of Canada will aim to achieve 35 percent of total MHDV sales being ZEVs by 2030. In addition, the government will develop an MHDV ZEV regulation to require 100 percent of MHDV sales to be ZEVs by 2040 for a subset of vehicle types based on feasibility, with interim 2030 regulated sales requirements that would vary for different vehicle categories based on feasibility, and explore interim targets for the mid-2020s.

Budget 2022 proposes to provide \$2.2 million over five years, starting in 2022-23, to Natural Resources Canada to renew the Greening Government Operations Fleet Program, which will continue to conduct readiness assessments of federal buildings required to facilitate the transition of the federal vehicle fleet to ZEVs.

We are also investing:

- \$75 million in new funding to the Federation of Canadian Municipalities to help local governments reduce emissions and build climate resiliency at the municipal level.
- \$40 million over five years to integrate climate resilience into building design guides and codes.

The Green Municipal Fund

This program provides funding for cities across Canada that take the initiative to develop green projects. It spans an investment total of **\$72 million towards 48 projects across Canada that will reduce GHG emissions by over 310,000 tonnes of CO₂ equivalent.**

A few examples of the initiatives being supported by the fund include:

- A multi-material recycling centre in the Regional County Municipality (RCM) of Manicouagan in Quebec.
- Electric vehicle charging stations for Canada's largest net-zero energy neighbourhood in London, Ontario.
- A waste-to-energy transformation system in Southern Alberta.
- A pilot project developing and testing electric motorcycles for the police in Longueuil, Quebec.
- A feasibility study for a micro-sewer energy recovery system in Richmond, British Columbia.

Investing in Clean Tech Innovation

In 2019, 13 Canadian companies were ranked on the Global Cleantech 100 list. The recent Global Cleantech Innovation Index ranked Canada 4th globally as a clean technology innovator – up from 7th place in 2014. We're moving quickly, carving out a huge piece of this trillion-dollar industry, and taking the lead in renewable energy development. A few examples of companies that have received funding include:

- Carbon Cure, which has created a technology that captures carbon pollution from industry and then injects that gas into concrete. This helps reduce GHG emissions for one of the largest polluting industries in the world.
- Inventys, which has received funding to develop the next generation of CO2 adsorbents.
- Burnaby's General Fusion, a group developing technology to create the fastest, most practical, and lowest cost path to commercial fusion energy, a process that will produce clean energy with no emissions other than helium.
- Foresight Cleantech Accelerator Centre: developers of a Foresight Growth Accelerator Program for growth-oriented clean technology companies in Western Canada.
- Lighthouse Sustainable Building Centre Society: delivered the first Canadian National Industrial Symbiosis pilot program (NISP) in Western Canada. The NISP model facilitates a circular economy by identifying industrial waste from one organization that is a needed resource for another.
- Geoscience BC, which demonstrates novel greenhouse gas emissions measurement technology.

Working with Indigenous Communities on Green Initiatives

Working alongside Indigenous communities across Canada is important if we are going to truly combat climate change. Traditional knowledge is vital to understanding climate impacts and adaptation measures and is important for Indigenous infrastructure development. Some of the investments we've made and initiatives we've taken on with Indigenous communities and leaders in regard to climate change include:

- Supporting a broad range of infrastructure projects to meet rural and northern communities' unique needs, with a focus on sustainability, by providing \$2 billion in funding.
- Helping to integrate Indigenous knowledge into community resilience and infrastructure planning by allocating \$83 million in funding.
- \$25 million to launch a pilot Indigenous Guardians Program in 2020, which is empowering communities to manage ancestral lands according to traditional laws and values. In 2021, we expanded this program with \$173 million in new funding to support Indigenous-led conservation and stewardship.
- Supporting the deployment of renewable energy projects in Indigenous and northern communities that rely on diesel for electricity and heating through a \$21.4 million investment.
- \$18 million for climate change and health adaptation programs for First Nation and Inuit communities.
- \$5.4 million from Indigenous and Northern Affairs Canada's Strategic Partnerships Initiative for projects that will help unlock economic opportunities for First Nations communities in the clean energy and natural resource sectors in BC. This will help First Nations communities reduce their dependence on conventional diesel power generation through the increasing use of hydro, solar, wind, and tidal power.
- Implementing Indigenous programs, including salmon habitat restoration, resource management, and commercial fishing business development to manage aquaculture activities in priority areas of British Columbia.

Additionally, modernizing federal procurement and creating opportunities for specific communities by diversifying the federal supplier base through \$87 million in funding. This will in part support efforts to meet Canada's target of 5 percent of federal contracts being awarded to businesses managed and led by Indigenous people.

Since 2015, the government has invested \$5.3 billion to build and repair water and wastewater infrastructure and support the effective management and maintenance of water systems. With the support of these investments, since 2015, First Nations communities have lifted 131 long-term drinking water advisories on public systems on reserves as of March 21, 2022, and initiatives are underway to resolve the remaining 34. In addition, 212 short-term drinking water advisories have been lifted before becoming long-term. To continue to build upon these successes, we have:

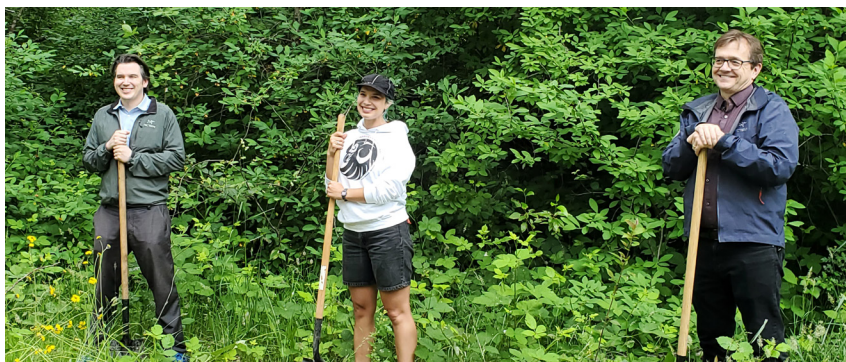
- Invested \$29.6 million to Crown-Indigenous Relations and Northern Affairs Canada to support the co-development of an Indigenous Climate Leadership Agenda to support self-determined action in addressing Indigenous peoples' climate priorities. The funding will also support the phased implementation of distinctions-based climate strategies.
- The federal government has been engaging with the Indigenous communities along the project corridor and marine shipping route and will announce, later this year, the next steps toward their participation in Trans Mountain.

Budget 2022 proposes to provide \$131.3 million over five years, starting in 2022-23, including:

- \$103.4 million over five years to Natural Resources Canada to develop a National Benefit-Sharing Framework and the expansion of both the Indigenous Partnership Office and the Indigenous Natural Resource Partnerships program. These investments will provide opportunities for Indigenous communities to benefit from all types of natural resource projects, including critical minerals, and will support their participation in the critical minerals strategy.
- \$27.9 million over two years, starting in 2022-23, to Natural Resources Canada for the Line 3 and the Trans Mountain Expansion Project pipelines' Indigenous Advisory and Monitoring Committees to enable Indigenous communities to identify common priorities and provide informed advice on these projects.

In Budget 2023, we expanded these investments with:

- \$19.4 million to increase Indigenous participation in northern environmental decision-making through Crown-Indigenous Relations and Northern Affairs Canada.
- \$8.7 million to support the National Benefits-Sharing Framework through Natural Resources Canada.
- Allowing the Canada Infrastructure Bank to provide loans to Indigenous communities to support them in purchasing equity stakes in infrastructure projects.
- \$30 million to enhance the Reserve Land and Environment Management Program.
- \$35 million to develop a new First Nations-led National Land Registry.



Planting Trees as part of our 2 billion tree program with the Minister of Natural Resources Jonathan Wilkinson.

Green Federal Financing Initiatives

Budget 2023 has introduced three tiers of federal financial incentives while building on our Liberal Government's existing pollution pricing and regulatory framework as a foundation to encourage more companies to go green. This includes investments of:

- \$26.2 billion (\$16.9 billion of new investments in Budget 2023) in clear and predictable investment tax credits (ITCs) to boost clean economy investments in the 5 areas of clean electricity, clean hydrogen, clean technology adoption, clean technology manufacturing, and carbon capture utilization and storage.
- \$15 billion to Canada Growth Fund to encourage private investment by absorbing associated risks
- \$35 billion to the Canada infrastructure Bank as our primary financing tool for supporting clean electricity projects, targeted investments and programming.

Additionally we are investing \$3 billion to Natural Resources Canada for Smart Renewables & Electrification Pathways Program. These investments will be supported by Canada's pollution pricing systems and large-emitter credit markets, which will incentivize businesses to reduce their emissions and become leaders in the global clean economy, creating new middle-class jobs for Canadians.

Right to Repair

Farming is a vital part of our economy and our society, and we want to ensure we are helping them save costs. That is why we are working to create a Right to Repair and interoperability of farming equipment framework to be introduced in 2024. Our goal is to reduce waste created by abandoned or inoperable farming equipment, and extend the lifetimes of farming equipment across Canada to save farmers time and money.

Forest Sector Support

Our Liberal Government has made historic investments to support the forestry sector during the COVID-19 pandemic. To ensure that the forest sector remains strong, we are investing \$368 million over three years for NRCan to update forest sector support.



Touring Lucent Biosciences Greenhouse on the SFU campus to learn more about their incredible innovations that could help sustainable agricultural crops all around the world.

Investing in Clean Electricity

We are working to make Canada's electric grid more reliable. Canada's electricity demand is expected to double by 2050, and to meet this increased demand with a sustainable, secure, and affordable grid, our electricity capacity must increase by 2.2 to 3.4 times compared to current levels. As part of these efforts we have:

- Significant investments must be made today in clean hydrogen and green steel and aluminum to leverage Canada's competition and meet industries and public rising electricity demand. These investments will make life more affordable for Canadians in the years to come and reach net-zero emissions by 2050.
- Budget 2023 plan: includes investment tax credits, low-cost financing, and targeted programs to ensure critical projects get built, aimed at reducing emissions to net-zero by 2035.
- 6.3 billion over 4 years in ITCs refundable for up to 15% of capital costs
- The Canada Infrastructure bank has previously been allocated \$35 billion to invest in infrastructure, and Budget 2023 directs \$10 billion towards its Clean Power priority area, and \$10 billion towards its Green Infrastructure priority area, both of which previously had \$5 billion allocated to each of them.
- Budget 2023 also includes \$3 billion over 13 years to Natural Resources Canada for targeted federal programs to support individual projects in electricity, including Indigenous-led projects, critical regional priorities, and transmission projects, and support science and innovation
- Clean technology manufacturing (4.5 billion over 4 years in ITC refundable up to 30% of investments in new machinery and equipment to manufacture or process key clean technologies, and extract, process or recycle key critical minerals)
- This is on top of the 3.8 billion for Canada's critical minerals strategy released last year.
- Clean Hydrogen (5.6 billion over 4 years in ITCs with 15%-40% refundable ITCs with green hydrogen receiving the most, and blue hydrogen. Hydrogen is important especially for industrial processes that require heat, and therefore cannot be electrified, as well as is valuable as an export.
- Carbon Capture Utilisation and Storage (CCUS) (500 additional million on top of the 2.6 billion from budget 2022 for up to 60% refundable). Only eligible uses such as storage underground or in concrete (validated by a third party) can receive the ITCs, not enhanced oil recovery which is a process that uses CCUS to increase oil production.
- Clean tech adoption (6.7 billion over 5 years from FES2022 in ITCs refundable up to 30% of capital costs, eligibility expanded slightly in Budget 2023 to include geothermal energy). This is to help non-clean tech focused businesses and institutions to install clean tech on their buildings such as solar panels on their roofs.
- Improving efficiency of impact assessments is a priority.
- \$11.4 million allocated to engage with Indigenous communities and outlines a plan to improve the efficiency of the impact assessment process by the end of 2023, building on the \$1.3 billion previously announced.



Meeting with Loop Energy CEO Ben Nyland about their innovations in Hydrogen Fuel Cells.