

2024 to 2025 UPDATE to the Departmental Sustainable Development Strategy

Natural Resources Canada

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Executive Summary

Natural Resources Canada (NRCan) is pleased to present the 2023 to 2027 Departmental Sustainable Development Strategy (DSDS). The strategy describes the department's approach to advance the commitments made in the [2022 to 2026 Federal Sustainable Development Strategy \(FSDS\)](#). This document presents the programs, policies, and scientific research that illustrate the department's commitment to the inclusive and sustainable development of Canada's natural resources.

As outlined in the **Introduction**, this DSDS is the first to be framed around the [17 Sustainable Development Goals \(SDGs\)](#) of the United Nations 2030 Agenda, providing the department with an opportunity to highlight the range of our sustainable development activities over the next four years, how progress will be measured, and how these efforts impact Canadians. The Strategy is detailed in four sections:

- **NRCan's Vision for Sustainable Development** outlines the department's commitment to the sustainable development of Canada's natural resources, the work to address the impacts of climate change on Canada and Canadians, and how these objectives will be achieved through policies and programs.
- **Listening to Canadians**, shares the results of a 120-day public consultation period on the FSDS that helped us shape our DSDS to directly address the issues that matter most to Canadians. These include strengthening support for nuclear energy in Canada's transition towards a clean energy future; advancing Indigenous rights, ownership, and leadership in the natural resources sector; and integrating social, economic, and environmental sustainable development considerations in the department's work.
- **NRCan's Commitments** presents the 47 targeted and measurable actions that the department is taking to advance 11 of the 17 FSDS Goals, including collaboration with international partners, provinces and territories, Indigenous partners, and industry stakeholders.

- Finally, **Integrating Sustainable Development** describes the Strategic Environmental Assessment practices and how sustainable development is integrated internally through efforts such as the Greening Government Strategy.

This 2023-27 DSDS provides the opportunity to illustrate how NRCan contributes to key sustainable development initiatives and commitments for Canada. In the coming years, the department's policies and programs will continue to improve both how Canada's natural resources sector are supported and Canadians' overall quality of life is addressed. The DSDS will also continue to evolve to reflect the changing priorities of the Department and of the Government of Canada.

SECTION 1

Introduction to the Departmental Sustainable Development Strategy

The [2022 to 2026 Federal Sustainable Development Strategy \(FSDS\)](#) presents the Government of Canada's sustainable development goals and targets, as required by the [Federal Sustainable Development Act](#). This is the first FSDS to be framed using the 17 Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda and provides a balanced view of the environmental, social and economic dimensions of sustainable development.

In keeping with the purpose of the Act, to make decision-making related to sustainable development more transparent and accountable to Parliament, Natural Resources Canada (NRCan) supports the goals laid out in the FSDS through the activities described in this Departmental Sustainable Development Strategy (DSDS).

The [Federal Sustainable Development Act](#) also sets out [7 principles](#) that must be considered in the development of the FSDS as well as DSDSs. These basic principles have been considered and incorporated in NRCan's DSDS.



In order to promote coordinated action on sustainable development across the Government of Canada, this departmental strategy integrates efforts to advance Canada's implementation of the 2030 Agenda National Strategy, supported by the Global Indicator Framework (GIF) and Canadian Indicator Framework (CIF) targets and indicators. To inform the development of the Canada's Annual Report on the 2030 Agenda and the SDGs, this departmental strategy also presents a number of planned initiatives that are not directly linked to the FSDS.

Sustainable Development at Natural Resources Canada

NRCan aims to create a sustainable natural resource advantage for Canadians. Our policies and programs promote the responsible management of Canada's natural resource sectors for ongoing environmental sustainability, economic prosperity and continued respect for our communities and Indigenous peoples. As a science-based department, NRCan supports research, development and demonstration for innovative technologies and nature-based solutions that enhance sustainability and help to address the devastating impacts of climate change, such as the increasing frequency and intensity of wildfires in Canada. The department also invests in Canadian natural resource industries to foster a skilled, diverse, and knowledge-based workforce, and to strengthen Canada's brand and global leadership in foreign markets. NRCan works with key partners like provinces and territories, Indigenous peoples, communities, academia, and non-governmental organizations to support sustainable development initiatives at all levels of society.

NRCan's long-term focus on sustainable development includes supporting the Government of Canada's commitment to pursue net-zero emissions by 2050 and moving our natural resource sectors towards an inclusive green economy. As reflected in the targets and actions in this DSDS, NRCan is well-positioned to meet this challenge through efforts including Canada's Critical Minerals Strategy, the Sustainable Jobs Plan, the 2030 Emissions Reduction Plan, and the National Adaptation Strategy.

These efforts, and others, will ensure NRCan is using its world-class scientific research to lead on greenhouse gas emissions reduction and environmental sustainability, while advancing initiatives that offer economic and social benefit through investments in industries and communities across the country.

SECTION 2

Natural Resources Canada's Sustainable Development Vision

NRCan is committed to the inclusive and sustainable development of Canada's abundant natural resources to both ensure that the benefits are sustained for future generations, and to contribute to federal efforts to address the impacts of climate change, such as wildfires, flooding, earthquakes, and extreme heat, that are being felt by Canadians across the country.

NRCan is taking concrete action to achieve this vision by advancing the transition to net-zero emissions by 2050; investing in scientific innovation and cutting-edge research; supporting the deployment of renewable energy and transmission projects; conserving nature and protecting biodiversity; and advancing the path to reconciliation and shared partnerships with Indigenous Peoples, and an inclusive economy.

With this vision in mind, NRCan is leading on the [Federal Sustainable Development Strategy](#) (FSDS) Goal 7: Increase Canadians' Access to Clean Energy, and is contributing to 10 additional FSDS Goals:

- FSDS Goal 4: Promote Knowledge and Skills for Sustainable Development;
- FSDS Goal 5: Champion Gender Equality;
- FSDS Goal 8: Encourage Inclusive and Sustainable Economic Growth in Canada;
- FSDS Goal 9: Foster Innovation and Green Infrastructure in Canada;
- FSDS Goal 10: Advance Reconciliation with Indigenous Peoples and Take Action on Inequality;
- FSDS Goal 12: Reduce Waste and Transition to Zero-Emissions Vehicles;
- FSDS Goal 13: Take Action on Climate Change and its Impacts;
- FSDS Goal 14: Conserve and Protect Canada's Oceans;

- FSDS Goal 15: Protect and Recover Species, Conserve Canada’s Biodiversity; and
- FSDS Goal 17: Strengthen Partnerships to Promote Global Action on Sustainable Development.

Through targeted initiatives and financial investments aligned with the Government of Canada’s ambitions and in support of these FSDS Goals, NRCan is implementing departmental actions that encompass all dimensions of sustainable development—environmental, economic, and social.

Investing in our Vision

NRCan is playing a lead role in implementing the [2030 Emissions Reduction Plan \(ERP\)](#), a roadmap for Canada to reach its emissions reduction target of 40 to 45 percent below 2005 levels by 2030 and net-zero emissions by 2050. The department is leading on 34 measures under the ERP that span infrastructure, the economy, and jobs including:

- **Accelerating the development and adoption of clean technologies** NRCan is involved in multiple initiatives. First, the implementation of Canada’s first ever [Critical Minerals Strategy](#), in collaboration with industry, provincial, territorial, Indigenous, non-governmental, and international partners. Backed by nearly \$4 billion in funding, the Strategy aims to increase the supply of responsibly sourced critical minerals and support the development of domestic and global value chains for the green and digital economy. [In addition](#), in collaboration with industry stakeholders, provincial and territorial governments, and Indigenous partners, NRCan is implementing the [Hydrogen Strategy](#). Supported in part by the \$1.5 billion [Clean Fuels Fund](#), the Strategy will reduce the country’s dependence on fossil fuels while growing economic opportunities at home and abroad. Further, through a suite of programs, including the [Energy Innovation Program](#), NRCan will continue to fund clean energy research, development, and demonstration (RD&D) projects to advance the commercial viability of technologies that will help Canada meet its climate change targets. Finally, NRCan is leading Canada’s Nuclear Energy Leadership Table, as committed to under the [Small Modular Reactor \(SMR\) Action Plan](#) to increase deployment of nuclear energy technologies that serve

as sources of safe, clean, and affordable energy. With the [Clean Growth Hub](#) (co-led with Innovation, Science, and Economic Development), NRCan is helping clean technology innovators and adopters navigate the federal system of funding and services, while advancing coordination on federal clean technology programs.

- **Improving energy efficiency.** Through programs including [Energy Efficient Buildings RD&D](#), [Deep Retrofit Accelerator Initiative](#), the [Codes Acceleration Fund](#), and the [Canada Greener Homes Initiative](#), NRCan is improving how our homes and buildings are designed, renovated, and constructed to support decarbonization and develop more climate-resilient infrastructure, while creating jobs in communities. NRCan drives energy efficiency in buildings (residential, commercial, and institutional), industry, and equipment sectors through funding programs, codes, regulations, labelling, and enabling tools, including retrofits.
- **Investing in renewable energy.** The [Smart Renewables and Electrification Pathways Program](#) was launched in 2021 and will continue to support smart renewable energy and electrical grid modernization projects into the future, including via a recapitalization in Budget 2023. The Program will significantly reduce GHG emissions by encouraging the replacement of fossil-fuel generated electricity with renewables that can provide essential grid services. NRCan's [Emerging Renewable Power Program](#) will continue to support the deployment of emerging renewables not yet established commercially in Canada, including geothermal, tidal, and bi-facial solar, advancing new opportunities to accelerate energy systems transformation.
- **Increasing clean energy access.** With a \$680 million initiative to fund deployment of electric vehicle chargers and hydrogen refuelling stations across Canada, NRCan is supporting energy-efficient transportation and addressing a key barrier to the adoption of zero-emission vehicles through the [Zero Emission Vehicle Infrastructure Program](#). Canada continues to support the [Clean Energy for Rural and Remote Communities Program](#), with an additional \$300 million five-year investment announced in 2022 for renewable energy, capacity building projects, and related energy efficiency measures. This investment includes support for the [Indigenous Off-Diesel Initiative](#), a training and funding program that supports

Indigenous-led climate solutions in diesel-reliant remote communities. In addition to funding community-led projects, this investment introduced a single window initiative that aims to streamline access to federal funding for clean energy programs to reduce the administrative complexities, barriers and fatigue experienced by communities. The initiative, which was gifted the name Wah-ila-toos following a sacred naming ceremony held by grandmothers and elders, is a collaboration between multiple federal departments and supported by an Indigenous Advisory Council.

- **Implementing nature-based solutions.** The [2 Billion Trees Commitment](#), provides funding to provinces and territories, Indigenous governments and organizations, and non-profit organizations, to plant two billion incremental trees by 2031. Planting these trees is a significant step forward in Canada's approach to tackle both climate change and biodiversity loss. These trees will capture and store carbon, improve air and water quality, cool our urban centres, and create and support thousands of green jobs.
- **Ensuring workers are at the forefront of sustainable development.** Announced in 2023, the [Sustainable Jobs Plan](#) lays the groundwork for a federal governance, engagement, and accountability framework to advance economic prosperity and ensure workers benefit from the opportunities presented by a low-carbon economy. As part of 10 key action items under the Plan, the *Canadian Sustainable Jobs Act* was introduced in June 2023 to establish a Sustainable Jobs Partnership Council that will provide independent advice on sustainable jobs measures; to create a Secretariat to lead the Government's sustainable jobs approach; and to release a Sustainable Jobs Action Plan every five years beginning in 2025.

Beyond the ERP, NRCan will continue to:

- Leverage the department's world-class scientific innovation to protect Canadians from the impacts of natural and human-induced hazards and support Canadian companies whose products and services contribute to concrete solutions to these problems.

- Advance climate change adaptation and resilience by building skills, providing guidance, enabling emergency-preparedness tools, and sharing foundational science and expertise in support of the [National Adaptation Strategy](#). This approach establishes both short- and long-term goals to build resilience to current and emerging climate risks (e.g., wildfires, floods, and extreme heat), among others.
- Conserve biodiversity and support recovery of species at risk to achieve our goal of protecting 30% of our land and inland waters by 2030.
- Work with Indigenous Peoples to advance reconciliation and implement the [United Nations Declaration on the Rights of Indigenous Peoples Act](#) to make meaningful change in how Indigenous Peoples, communities, and businesses participate in natural resources development.
- Build a more equitable, diverse, and inclusive low-carbon future by advocating for equality in the clean energy workforce, and by working with partners to create more opportunities for under-represented people including women, LGBTQ2S Canadians, Black and racialized Canadians, and persons with disabilities.
- Develop the NRCan Greening Strategy to integrate greening efforts across NRCan operations and services in support of Canada's commitment to sustainable and climate resilient operations.

These collective efforts will ensure the natural resource sectors are sustainable, inclusive, and competitive for all Canadians, from coast to coast to coast, for generations to come.

SECTION 3

Listening to Canadians

As required by the [Federal Sustainable Development Act](#), NRCan reviewed comments received on the draft 2022-2026 FSDS made during the public consultation held from March 11 to July 9, 2022.

During the consultation, more than 700 comments were received from a broad range of stakeholders, including governments, Indigenous organizations, non-governmental organizations, academics, businesses, and individual Canadians in different age groups and of various backgrounds. The draft FSDS was also shared with the appropriate committee of each House of Parliament, the Commissioner of the Environment and Sustainable Development, and the Sustainable Development Advisory Council for their review and comment.

What We Heard

Across the submissions received, NRCan identified comments that directly relate to the department's mandate, highlighting opportunities to further strengthen our sustainable development priorities. These comments include:

- Increasing recognition of and support for the role of nuclear energy in Canada's clean energy transition;
- Advancing support for Indigenous rights, ownership, and leadership in renewable energy, conservation, and natural resources development projects; and
- Improving integration of the social and economic dimensions of sustainable development to ensure our departmental actions move beyond an environmental focus.

What We Did

Comments from the public consultation on the draft FSIDS were used to inform NRCAN's sustainable development strategy at both the federal and departmental levels. As outlined below, NRCAN considered these comments to ensure the voices of Canadians are reflected in the contributions to both the final published FSIDS and to this DSIDS, through the specific and targeted actions detailed in Section 4.

Specifically:

To increase recognition of and support for the role of nuclear energy in Canada's clean energy transition:

- In the FSIDS, nuclear energy, and small modular reactors (SMRs) in particular, are now part of NRCAN's "all-options" approach to achieve the Government of Canada's ambitious commitments to achieve net-zero emissions by 2050.
- As detailed in this DSIDS, NRCAN launched the Enabling Small Modular Reactors (SMRs) Program in February 2023. Building on the 2020 SMR Action Plan for the development, demonstration, and deployment of SMRs, the Enabling Small Modular Reactors Program will support the frameworks necessary for SMRs to displace fossil fuels and contribute to climate change mitigation, while enhancing gender-equality, diversity, and inclusion in the nuclear sector. The Program will provide \$29.6 million in funding over four years to for-profit and non-profit groups, governments, academia, and Indigenous organizations for research and development (R&D) projects focused on addressing SMR-generated waste, and development of supply chains for SMR manufacturing and fuel supply. As SMR utilization expands, nuclear energy will become a key player in achieving net-zero emissions and will become increasingly recognized and accepted by Canadians as a non-emitting source of energy.

To advance support for Indigenous rights, ownership, and leadership in renewable energy, conservation, and natural resource development projects:

- As reflected in the FSDS, NRCan will contribute to development and publication of annual progress reports on implementing the [*United Nations Declaration on the Rights of Indigenous Peoples Act*](#) between 2023 and 2026, and every year on an ongoing basis, to ensure measures outlined in the UN Declaration Action Plan and federal laws are consistent with the Declaration.
- As detailed in this DSDS, NRCan is leading several initiatives guided by the *United Nations Declaration on the Rights of Indigenous Peoples Act* that will ensure Indigenous communities benefit from natural resource projects now and in the future. For example:
 - - In partnership with Crown Indigenous Relations and Northern Affairs Canada and the Department of Finance, NRCan is engaging with Indigenous partners to develop the National Benefits-Sharing Framework (NBSF). The NBSF will improve the quality and consistency of benefits that Indigenous communities derive from major natural resource projects in their territories, fostering the removal of barriers to participation of Indigenous Peoples in the Canadian economy.
 - - Under Wah-ila-toos (formerly known as the Clean Energy in Indigenous Rural and Remote Communities Hub), NRCan will increase the number of funded projects that help reduce reliance on diesel fuel for heat and power through community-driven clean energy solutions, while simultaneously creating new green jobs and local economic opportunities as part of the clean energy transition.
 - - Through the Regional Energy and Resource Tables, NRCan is establishing joint partnerships with provinces and territories, and formal collaboration with Indigenous partners. The Tables will align regional priorities, funding and financing opportunities, and policy and regulatory

approaches to accelerate economic activity and create comparative advantage in the low-carbon future across the country. Using a tailored approach to engagement with Indigenous partners, NRCan will ensure that Indigenous priorities and perspectives on regional opportunities are reflected, encouraging inclusive and sustainable economic growth for all Canadians.

To improve integration of the social and economic dimensions of sustainable development to ensure our departmental actions move beyond an environmental focus:

- As reflected in the FSDS, NRCan introduced the *Canadian Sustainable Jobs Act* (Bill C-50) in June 2023 to establish a federal governance, engagement, and accountability framework to advance economic prosperity and ensure workers benefit from the opportunities presented by a low-carbon economy. By advancing funding for skills development toward sustainable jobs, Canada will ensure equitable, inclusive, and sustainable economic growth across the country.
- As detailed in this DSDS, NRCan is leading on initiatives that advance sustainable development in all its dimensions—environmental, social, and economic. For example:
 - NRCan is leading the Critical Minerals Strategy to advance a clean economy while creating jobs for Canadians. The Strategy will help make Canada a global supplier of choice for the critical minerals that are the foundation of clean and digital technologies—used to manufacture products ranging from electric vehicle batteries, to solar panels, to wind turbines. By leveraging Canada’s natural abundance of critical minerals and our competitive advantage, the Critical Minerals Strategy will set the stage for economic growth and job creation, with investments in workers, businesses, and communities along the critical minerals value chain across the country.
 - With a recapitalization of the Smart Renewables and Electrification Pathways Program in Budget 2023, NRCan will continue to support smart renewable energy and electrical grid modernization projects that use market-ready technologies to generate environmental, social, and economic benefits. Program outcomes include decreased greenhouse gas emissions from Canada’s

electricity system; increased renewable energy generation capacity; job creation; increased equity, diversity, and inclusion in the energy sector; and increased meaningful Indigenous ownership of smart renewable energy projects.

Please find more information on the FSDS public consultation and its results in the [FSDS Consultation Report](#)

SECTION 4

Natural Resources Canada's Commitments





GOAL 4: PROMOTE KNOWLEDGE AND SKILLS FOR SUSTAINABLE DEVELOPMENT

FSDS Context:

Knowledge and education are critical to increasing climate literacy and supporting climate action. Canadians' knowledge and awareness of climate change, environmental and nature conservation topics is increasing; as is the perception that individual actions have a positive impact on environmental change; and actions to help fight climate change, conserve nature and achieve a cleaner and safer environment are possible. Continuing to promote knowledge and skills for sustainable development is critical to mitigating climate change and its impacts, and NRCan is working as part of a multi-departmental effort to reduce greenhouse gas emissions and promote climate adaptation through innovative research using behavioural science insights. Additionally, NRCan is working in collaboration with Environment and Climate Change Canada (ECCC), the Impact Assessment Agency of Canada (IAAC), and several other departments and agencies, all key contributors to the [Open Science and Data Platform](#). The Platform supports cumulative effects assessments for federal regulatory processes by providing access to authoritative data and information on topics related to development activities, the environment, and communities.

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal “Promote knowledge and skills for sustainable development” but not a specific FSDS target ¹

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Other	<p>Provide, through the Open Science and Data Platform (OSDP), access to science and data related to cumulative effects, including climate change and adaptation</p> <p>Program: Geoscience for Sustainable Development of Natural Resources</p>	<p>Performance indicator: Percentage of Open Science and Data Platform (OSDP) users who indicate they accessed the OSDP to acquire research and knowledge in support of sustainable development</p> <p>Starting point: New program (0% in April 2023)</p> <p>Target: 70% annually</p>	<p>NRCan is working in collaboration with ECCC, IAAC, and other departments and agencies to enhance the Open Science and Data Platform. The platform integrates data from NRCan (and from other government departments, provinces, and territories) on forestry, geology, groundwater, and earth observations products such as land cover, and provides Canadians with access to thousands of records of cumulative effects-related data, publications, maps, and information about development activities. Providing access to information relevant to cumulative effects including climate change and development activities enhances Canadians’ trust in our regulatory systems, and climate change and adaptation; as well as supports informed decision-making related to sustainable development.</p> <p>Relevant targets or ambitions: <i>GIF Target: 4.7 By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture’s contribution to sustainable development.</i></p>

¹ The departmental action “Apply behavioural science insights and methods with robust policy analysis to promote climate action” was removed because the target was achieved. The results for this departmental action are available in [the 2023-24 DSDS Report](#)



GOAL 5: CHAMPION GENDER EQUALITY

FSDS Context:

While substantial gains have been made over the past several decades, women in Canada and around the world are still significantly underrepresented in decision-making processes, are less likely to be employed or participate in the labour force and have lower average annual earnings than men. Women are also often underrepresented in clean tech and environmental sectors and occupations. As such, NRCan is committed to increasing representation of Canadian women in leadership roles and increasing their participation in the clean energy workforce through the Equal by 30 campaign, a public and private sector partnership to address inequalities that remain throughout the energy sector. NRCan also leads the Equality in Energy Transitions Initiative, which seeks to eliminate gender disparities in the energy sector.

Target theme: Take Action on Gender Equality

Target: By 2026, at least 37% of the environmental and clean technology sector are women
(Minister of Innovation, Science and Industry)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Invest in women’s skills, employment, and leadership	<p>Advance the meaningful participation of women and increase inclusion for all underrepresented groups in the clean energy workforce</p> <p>Program: Energy and Climate Change Policy</p>	<p>Performance indicator: Number of Canadian signatories to the Equal by 30 Campaign</p> <p>Starting point: 103 Canadian signatories in April, 2023</p> <p>Target: 125 Canadian signatories by March 31, 2026²</p>	<p>The Equal by 30 campaign, led by NRCan, brings together the public and private sector to advance the meaningful participation of women in the energy sector. Signatories to the campaign work to advance gender equality by addressing issues such as equal pay, equal leadership, equal opportunities, inclusive culture, fair management, career development, and workplace safety. Increasing the number of Canadian signatories will create a larger domestic network of governments and organizations working towards a more gender-inclusive and equitable workforce in the energy sector and will showcase Canada’s leadership on this issue.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: Gender equality in leadership roles and at all levels of decision-making</i></p> <p><i>CIF Indicator: 5.2.1. Proportion of leadership roles held by women</i></p> <p><i>GIF Target: 5.5 Ensure women’s full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic and public life</i></p>

² The target was revised from 150 Canadian signatories by Dec 31, 2024, to 125 Canadian signatories by March 31, 2026. This shift allows for a stronger focus on deepening engagement with existing and potential signatories to endure meaningful implementation of commitments. Additionally, resource constraints necessitate a more strategic approach, prioritizing quality over quantity to advance gender equality and inclusion in the energy sector. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

Initiatives advancing Canada’s implementation of SDG 5 – Gender Equality

The following initiatives demonstrate how NRCan programming supports the 2030 Agenda and the SDGs, supplementing the information outlined above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>Canada recognizes that creating a diverse and inclusive workforce, equipped with the knowledge and skills needed for a net zero future-ready sector, means empowering women to ensure they become active participants in the natural resource sectors.</p> <p>To ensure that the low carbon energy transition is equitable and inclusive, NRCan jointly leads the Equality in Energy Transitions Initiative, a joint effort between the Clean Energy Ministerial and the International Energy Agency, which works to advance gender equality in the energy sector.</p> <p>NRCan also leads the Awards & Recognition program under the Equality Initiative, which recognizes outstanding individuals and organizations contributing to a clean energy future while advancing the empowerment of women.</p>	<p>These efforts contribute to advancing:</p> <p>Global Target 5.5 Ensure women’s full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic and public life</p> <p>Canadian Indicator Framework (CIF) Target 5.2 Greater representation of women in leadership roles</p>



GOAL 7: INCREASE CANADIANS' ACCESS TO CLEAN ENERGY

FSDS Context:

Energy production and use is currently the dominant contributor to climate change, accounting for around 78% of total global greenhouse gas emissions. In Canada, as in the rest of the world, greenhouse gas emissions primarily come from activities such as non-renewable electricity production, oil and gas production, transportation, and heating and cooling of buildings using fossil fuels. Clean and affordable energy is essential to Canada's and the world's aspirations to decarbonize, and NRCan is leading the domestic effort. Initiatives in support of this ambition include investing in research, development, demonstration, and deployment of new energy efficient technologies; transitioning remote communities to renewable energy; increasing Canada's renewable energy generation capacity with funding for electrical grid modernization projects; enhancing energy efficiency regulatory standards; delivering the Clean Fuels Fund to reduce dependence on fossil fuels; and supporting the use of energy efficiency technologies and practices among both homeowners and industries to save costs while advancing Canada's clean energy ambitions.

Target theme: Renewable and non-emitting sources of electricity

Target: By 2030, 90%, and in the long term 100% of Canada’s electricity is generated from renewable and non-emitting sources (Minister of Natural Resources) ³

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Invest in research, development, and demonstration of clean energy technologies	Support research, development and demonstration (RD&D) projects in order to address barriers and create innovative solutions related to renewable and non-emitting sources of electricity Program: Energy Innovation & Clean Technology	Performance Indicator: Number of new RD&D projects supported ⁴ related to generation, storage, distribution or management of renewable and non-emitting electricity Starting Point: 0 as of April 1, 2023 Target: 50 by March 31, 2027 ⁵	Innovative solutions related to renewable and non-emitting sources of electricity are necessary to develop the technologies and solutions required to achieve Canada’s clean energy ambitions. This departmental action supports the increased participation, collaboration, and investment in RD&D projects related to renewable and non-emitting sources of electricity. Supporting large-scale, complex, cost-intensive, and often high-risk projects is intended to accelerate the development and adoption of technologies in this area. Developing these technologies and solutions will support efforts to improve access to clean energy, and over the longer term reduce GHG emissions. Relevant Targets or Ambitions: <i>CIF Ambition: 7.2 Canadians have access to clean and renewable energy</i> <i>CIF Indicator: 7.2.1 Proportion of electricity generated from renewable and non-greenhouse gas emitting sources</i> <i>GIF Target: 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix</i>

³ The departmental action “Contribute to the core activities of the International Renewable Energy Agency (IRENA)” was removed because the target was achieved. The results for this departmental action are available in [the 2023-24 DSDS Report](#)

⁴ In addition to providing funding, NRCan also provides unique and critical support to Canadian innovation ecosystems that is required to bring new technologies from concept to market, including: connecting proponents with potential investors, partners, adopters or follow-on funders; providing expert advice to proponents and facilitating connections with other experts to help tackle non-technical barriers to growth; and engaging in the development or enhancement of codes, standards and regulations to help proponents bring their solutions to scale.

⁵ The target was revised from 22 to 28 projects to 50 projects by March 31, 2027, to improve the accuracy of the performance information. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information.

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Support renewable energy deployment	Fund the construction of new renewable energy generation and storage capacity Program: Electricity Resources	Performance Indicator: Megawatts (MW) of new renewable energy generation capacity from projects that received funding from the Smart Renewables and Electrification Pathways Program (SREPs) Starting point: 33 MW as of April 2023 Target: 7,500 MW by March 31, 2036 ⁶	SREPs supports renewable energy deployment by directly funding smart renewable energy deployment and electrical grid modernization projects, which increases Canada’s renewable energy generation capacity. Relevant targets or ambitions: <i>CIF Ambition: 7.2 Canadians have access to clean and renewable energy</i> <i>CIF Indicator: 7.21 Proportion of electricity generated from renewable and non-greenhouse gas emitting sources</i> <i>GIF Target: 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix</i>
Support voluntary action to adopt clean energy technologies	Accommodate more renewable energy on the electricity grid Program: Electricity Resources	Performance Indicator: Total public and private investment in projects that receive Smart Renewables and Electrification Pathways Program funding Starting point: \$655 million in April 2023. Target: \$4 billion by March 31, 2029	Funding provided by the Smart Renewables and Electrification Pathways Program (SREPs) increases voluntary private investment in clean energy by creating a supportive business environment for projects. In addition, all SREPs’ deployment and grid modernization projects must be capable of providing grid services, increasing the amount of total renewable energy projects the grid can accommodate (i.e. not only projects receiving SREPs funds). This directly supports the goal and the 2030 target to have 90% of Canada’s electricity generated from renewable and non-emitting sources. Relevant targets or ambitions: <i>CIF Ambition: 7.3.1 Canadians reduce their energy consumption</i> <i>CIF Indicator: 7.3.1 Total energy consumption per capita</i> <i>GIF Target: 7.1 By 2030, ensure universal access to affordable, reliable and modern energy services</i>

⁶ The target was revised from, 2000 MW by March 31, 2029, to 7500MW by March 31, 2036, to reflect funding received in Budget 2023. Please refer to the previous performance information in [the 2023-24 DSDS Report](#)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Work with partners on clean and renewable energy</p>	<p>Continue to advance the capacity building for the renewable energy transition, and generation of energy from renewable sources in Indigenous, rural, and remote communities</p> <p>Programs: Electricity Resources; Energy Innovation & Clean Technology; Forest Sector Competitiveness</p>	<p>Performance Indicator: Number of renewable energy and capacity building projects supported⁷ in rural, remote and Indigenous communities</p> <p>Starting point: 0 as of April 1, 2017</p> <p>Target: 195 by March 31, 2027 ⁸</p>	<p>Through Wah-ila-toos, NRCan funds projects that support communities to reduce diesel and other fossil fuels use for heat and power through community-driven clean energy solutions. These projects include research and demonstration of emerging technologies, capacity building, and deployment of technologies. These projects also help create new green jobs and local economic opportunities as part of the clean energy transition. This initiative was first established through Budget 2017’s Green Infrastructure funding as the Clean Energy in Rural and Remote Communities (CERRC). In 2022, NRCan worked with partner departments to develop Wah-ila-toos, a new federal no wrong door access point for remote, rural, and Indigenous communities transitioning to clean energy, which is being used to disburse new funding announced in Budget 2021.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 7.2 Canadians have access to clean and renewable energy</i></p> <p><i>CIF Indicator: 7.2.1 Proportion of electricity generated from renewable and non-greenhouse gas emitting sources</i></p> <p><i>GIF Target: 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix</i></p>

⁷ In addition to providing funding, NRCan also provides unique and critical support to Canadian innovation ecosystems that is required to bring new technologies from concept to market, including: connecting proponents with potential investors, partners, adopters or follow-on funders; providing expert advice to proponents and facilitating connections with other experts to help tackle non-technical barriers to growth; and engaging in the development or enhancement of codes, standards and regulations to help proponents bring their solutions to scale.

⁸ The target was revised from, 150 projects by March 31, 2024 to 195 projects by March 31, 2027. The description of the indicator was revised to include “capacity building”, to improve the accuracy of the performance information. Please refer to previous performance information in [the 2023-24 DSDS Report](#)

Target theme: Energy efficiency

Target: By 2030, 600 petajoules⁹ of total annual energy savings will be achieved as a result of adoption of energy efficiency codes, standards and practices from a baseline savings of 20.0 petajoules in 2017 to 2018 (Minister of Natural Resources)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Develop and implement energy efficiency codes and regulations</p>	<p>Enhance energy efficiency of products with increasingly stringent standards under the <i>Energy Efficiency Regulations</i></p> <p>Program: Energy Efficiency</p>	<p>Performance indicator: Total annual energy savings (petajoules) from regulating the energy efficiency of products</p> <p>Starting point: 16 petajoules in 2022-23¹⁰</p> <p>Target: 77.4 petajoules in 2030</p>	<p>Regulating energy efficiency standards for products used in our homes, and commercial and industrial sectors helps Canadians benefit from lower energy bills associated with higher energy efficiency products and Canada reach its FSDS target. This departmental action builds on earlier regulatory amendments that increased the energy efficiency standards of products that are expected to be in use by 2030.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 7.1 Canadians reduce their energy consumption</i></p> <p><i>CIF Indicator: 7.1.1 Total annual energy savings resulting from adoption of energy efficiency codes, standards, and practices.</i></p> <p><i>GIF Target: 7.3 By 2030, double the global rate of improvement in energy efficiency</i></p>

⁹ A petajoule (PJ) is a standard unit of energy. 1 PJ is equivalent to the amount of energy 10,000 homes would use for one year.

¹⁰ As noted in the [2023-24 DSDS Report](#), due to a typographical error, 44.9 petajoules was incorrectly stated as the starting point. The starting point is 16 petajoules in 2022

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA'S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Invest in research, development and demonstration of energy efficiency technologies	<p>Support research, development and demonstration (RD&D) projects in order to address barriers and create innovative solutions related to the implementation of energy efficient and net-zero energy building technologies</p> <p>Program: Energy Innovation & Clean Technology</p>	<p>Performance Indicator: Number of RD&D projects supported¹¹ related to energy efficient and net-zero energy building technologies</p> <p>Starting Point: 0 as of April 1, 2017 (20 as of April 1, 2023)</p> <p>Target: 55 by March 31, 2027¹²</p>	<p>Buildings are a key source of greenhouse gas emissions, and investments in RD&D are needed to develop the technologies and solutions required to reduce these emissions, a key element in achieving Canada's climate goals. Supporting large-scale, complex, cost-intensive, and often high-risk projects is intended to accelerate the development and adoption of energy efficient buildings and building technologies, design, and construction. Developing these technologies and solutions will support efforts to improve energy efficiency in buildings and access to clean energy.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 7.3 Canadians reduce their energy consumption</i></p> <p><i>CIF Indicator: 7.2.1 Total energy consumption per capita</i></p> <p><i>GIF Target: 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix</i></p>

¹¹ In addition to providing funding, NRCan also provides unique and critical support to Canadian innovation ecosystems that is required to bring new technologies from concept to market, including: connecting proponents with potential investors, partners, adopters or follow-on funders; providing expert advice to proponents and facilitating connections with other experts to help tackle non-technical barriers to growth; and engaging in the development or enhancement of codes, standards and regulations to help proponents bring their solutions to scale.

¹² The target was revised from 40 to 45 projects by March 31, 2027, to 55 projects by March 31, 2027 to improve the accuracy of the performance information. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA'S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Support use of energy efficiency technologies and practices	<p>Improve the energy efficiency of Canadian homes through the Canada Greener Homes Initiative, which includes the Canada Greener Homes Grant (CGHG) and the Oil to Heat Pump Affordability (OHPA) Program</p> <p>Program: Energy Efficiency</p>	<p>Performance Indicator: Total annual energy savings (petajoules) from the Canada Greener Homes Initiative (including the Canada Greener Homes Grant and the Oil to Heat Pump Affordability Program)¹³</p> <p>Starting Point: New initiative (0 as of December 2020)</p> <p>Target: Up to 10.4 petajoules of total annual energy savings by 2027</p>	<p>The Canada Greener Homes Initiative, launched in 2021, helps homeowners save money and reduce greenhouse gas emissions by providing grant and loan funding for eligible home retrofits, including energy efficiency retrofits. NRCan's components include the Canada Greener Homes Grant (CGHG) and the Oil to Heat Pump Affordability (OHPA) Program. CGHG provides grants of up to \$5,000 for retrofits and \$600 for EnerGuide evaluations. OHPA provides low-to-median income households with upfront grants to transition off oil to more efficient heat pumps, without the need for an EnerGuide evaluation. Funding of up to \$10,000 per eligible household is available, with up to an additional \$5,000 to match provincial and territorial contributions via co-delivery arrangements. The Initiative as a whole reduces energy use and provides energy savings while supporting the goal of increasing access to clean energy.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 7.1 Canadians reduce their energy consumption</i></p> <p><i>CIF Indicator: 7.1.1 Total annual energy savings resulting from adoption of energy efficiency codes, standards and practices</i></p> <p><i>GIF Target: 7.3 By 2030, double the global rate of improvement in energy efficiency</i></p>
Support voluntary action to adopt energy efficiency technologies and practices	<p>Improve the energy performance of industry in Canada by supporting adoption of energy efficiency and energy management solutions through NRCan's industrial energy efficiency programming</p> <p>Program: Energy Efficiency</p>	<p>Performance Indicator: Total annual energy savings (petajoules) from NRCan's industrial energy efficiency programming</p> <p>Starting Point: 4 petajoules in 2017-18</p> <p>Target: 117 petajoules by 2030</p>	<p>NRCan's industrial energy efficiency programming helps industrial facilities in Canada to realize energy savings and related cost savings per unit of production, which contributes to competitiveness and sustainability. These savings will support Canada in its efforts to reduce energy consumption and associated GHG emissions.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 7.1 Canadians reduce their energy consumption</i></p> <p><i>CIF Indicator: 7.1.1 Total annual energy savings resulting from adoption of energy efficiency codes, standards, and practices</i></p> <p><i>GIF Target: 7.3 By 2030, double the global rate of improvement in energy efficiency</i></p>

¹³ This performance indicator was revised from "Total annual energy savings (petajoules) from the Canada Greener Homes Grant" to "Total annual energy savings (petajoules) from the Canada Greener Homes Initiative (including the Canada Greener Homes Grant and the Oil to Heat Pump Affordability Program)" to include a newer element of the Greener Homes Initiative. Please refer to the 2023-24 DSDS Report for the previous performance information.

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Work with domestic and international partners on energy efficiency</p>	<p>Improve the energy efficiency of Canada’s homes and buildings through the Codes Acceleration Fund (CAF).</p> <p>Program: Energy Efficiency</p>	<p>Performance Indicator: Total annual energy savings (petajoules) through the CAF.</p> <p>Starting Point: New initiative (0 petajoules in 2022)</p> <p>Target: 11.0 petajoules of total annual energy savings by 2030¹⁴</p>	<p>The Codes Acceleration Fund will improve the energy performance of Canada’s homes and buildings over time as they are constructed to higher performance requirements, contributing to Canada’s total energy savings.</p> <p>The CAF aims to accelerate the adoption and implementation of the highest feasible energy performance tiers of the national model energy codes (or other high-performance building codes) by authorities having jurisdiction. Additionally, the program aims to promote higher rates of compliance with adopted codes, while supporting stakeholders and preparing the market for ambitious code adoption and implementation.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 7.1 Canadians reduce their energy consumption</i></p> <p><i>CIF Indicator: 7.1.1 Total annual energy savings resulting from adoption of energy efficiency codes, standards, and practices</i></p> <p><i>GIF Target: 7.3 By 2030, double the global rate of improvement in energy efficiency</i></p>

¹⁴ This performance indicator was modified in response to the recommendation of [Report 8 in the Fall 2024 CESD Audit](#) which states that departments should “clearly describe in their departmental strategies and progress reporting how the results of all their actions contribute to the achievement of the clean power generation and the energy efficiency targets under the clean energy goal in the 2019–2022 Federal Sustainable Development Strategy. To achieve this, they should use, to the extent possible, the same or equivalent progress measurement metrics that are provided for these targets in the federal strategy.”

Target theme: Clean fuels

Target: By 2030, increase Canada’s capacity to produce clean fuels by 10% over 2021 levels
(Minister of Natural Resources)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Deliver the Clean Fuels Fund	Provide funding to increase Canada’s clean fuels production capacity Program(s): Lower Carbon Transportation	Performance Indicator: Percentage increase in clean fuels production capacity over 2021 levels Starting Point: 79.5 Petajoules in 2021 ¹⁵ Target: By December 31,2030, a 10% increase in Canada’s capacity to produce clean fuels over 2021 levels	Increasing Canada’s clean fuels capacity requires investment in the private sector. The Clean Fuels Fund supports businesses that invest in building clean fuel capacity, pushing Canada closer to achieving our goal of increasing Canadians’ access to clean energy, and of ensuring we meet our 2030 target of a 10% increase in clean fuels production capacity over 2021 levels. Relevant Targets or Ambitions: <i>CIF Ambition: 7.2 Canadians have access to clean and renewable energy</i> <i>GIF Target: 7.1 By 2030, ensure access to affordable, reliable, sustainable, and modern energy services.</i>
Develop and update codes and standards	Support the development and alignment of codes and standards through publications Program(s): Lower Carbon Transportation	Performance Indicator: Number of publications developed for clean fuels standard development organizations Starting Point: New program (0 in 2022) Target: 250 publications developed by December 31, 2026 ¹⁶	Codes and standards are required to make progress in increasing clean fuels capacity. Publications such as standards documents, technical specifications and enabling research, will ensure the safe production, delivery, storage and end-use of these fuels. Clean fuels will play an important role in meeting Canada’s commitment to emissions reduction. Relevant Targets or Ambitions: <i>CIF Ambition: 7.2 Canadians have access to clean and renewable energy</i> <i>GIF Target: By 2030, ensure universal access to affordable, reliable, and modern energy services</i>

¹⁵ The starting point has been updated, with a baseline of 79.5 Petajoules in 2021

¹⁶ The Target has been revised from “At least 250 publications underway by December 31, 2026” to “250 publications developed by December 31,2026” to improve the accuracy of the performance information. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal “Increase Canadians’ access to clean energy” but not a specific FSDS target

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Invest in research, development, and demonstration of clean fuels	<p>Support research, development and demonstration (RD&D) projects in order to address barriers and create innovative solutions related to clean fuels and industrial fuel switching</p> <p>Program: Energy Innovation & Clean Technology (EICT)</p>	<p>Performance Indicator: Number of new RD&D projects supported¹⁷ related to clean fuels and industrial fuel switching</p> <p>Starting Point: 0 as of April 1, 2022</p> <p>Target: 55 as of March 31, 2027¹⁸</p>	<p>Canada’s transportation and industry sectors are currently heavily reliant on fossil fuels. Investments in RD&D are needed to develop the technologies that will enable Canadians to switch to clean energy alternatives (low- and zero-carbon fuels), thereby decarbonizing these sectors and helping Canada achieve its climate goals. This departmental action supports increased participation, collaboration, and investment in clean fuels RD&D projects. Supporting large-scale, complex, cost-intensive, and often high-risk projects is intended to accelerate the development and adoption of clean fuels. Developing these technologies and solutions will support efforts to increase access and adoption of clean fuels, and over the longer term reduce GHG emissions.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 7.2 Canadians have access to clean and renewable energy</i></p> <p><i>CIF Indicator: 7.2.1 Proportion of electricity generated from renewable and non-greenhouse gas emitting sources</i></p> <p><i>GIF Target: 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities</i></p>

¹⁷ In addition to providing funding, NRCan also provides unique and critical support to Canadian innovation ecosystems that is required to bring new technologies from concept to market, including: connecting proponents with potential investors, partners, adopters or follow-on funders; providing expert advice to proponents and facilitating connections with other experts to help tackle non-technical barriers to growth; and engaging in the development or enhancement of codes, standards and regulations to help proponents bring their solutions to scale.

¹⁸ The target was revised from 50-65 projects to 55 projects by March 31, 2027, to improve the accuracy of the performance information. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Work with stakeholders to advance the Hydrogen Strategy for Canada</p>	<p>Report and track progress on the Hydrogen Strategy for Canada.</p> <p>Program: Lower Carbon Transportation</p>	<p>Performance indicator: Number of reports tracking and monitoring progress on the Hydrogen Strategy for Canada</p> <p>Starting point: New initiative (0 in 2021)</p> <p>Target: Develop a report every four years. The first report was published in 2024, with the second report by 2028. ¹⁹</p>	<p>The Hydrogen Strategy for Canada will help the country on its path to meet climate change goals of net-zero by 2050 by reducing the country’s dependence on fossil fuels. Tracking and monitoring progress on the Hydrogen Strategy will not only allow for understanding and addressing the challenges of growing, distributing, and using this new clean energy source; but it will ensure Canada is on track to meet its ambitions of increasing the availability of clean fuels.</p> <p>Relevant targets or ambitions: <i>CIF Ambition:</i> 7.2 Canadians have access to clean and renewable energy</p> <p><i>CIF Target:</i> 7.2.1: Proportion of electricity generated from renewable and non-greenhouse gas emitting sources</p> <p><i>GIF Target:</i> By 2030, ensure universal access to affordable, reliable and modern energy services</p>

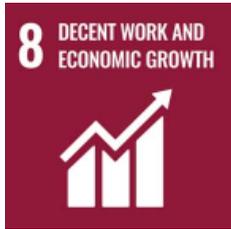
¹⁹ The target was revised from “Develop a report every two years beginning in 2023” to “Develop a report every four years. The first report was published in 2024, with the second report by 2028”.

Initiatives advancing Canada’s implementation of SDG 7 – Affordable and Clean Energy

The following initiatives demonstrate how NRCan programming supports the 2030 Agenda and the SDGs, supplementing the information outlined above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>Canada will continue to engage with the global community, including through various international fora such as the Clean Energy Ministerial and Mission Innovation (CEM/MI), the International Energy Agency (IEA), and the International Renewable Energy Agency (IRENA) to support the development of, access to, investment in, and use of clean energy and enabling technologies. For example, Canada has pledged 8 million dollars in financial support to the Clean Energy Transitions Programme. Canada has also continued to play a leading role in shaping organization activities and ensuring delivery of IRENA’s mandate as a member of the IRENA council; co-leading the Global Platform for Transitioning Remote Communities to Renewable Energy; and participating in the Global Geothermal Alliance.</p> <p>Canada is also engaged in the International Energy Efficiency Hub, the IEA Energy Efficiency Working Party, the IEA’s User-Centered Energy Systems Technology Collaboration Program (TCP), the Energy Efficient End-use Equipment TCP, and the UN Global Alliance for Buildings and Construction Steering Committee. Through these multilateral fora, Canada collaborates with partners and exchanges information and best practices about energy efficiency and the clean energy transition.</p> <p>At COP28, Canada and over 130 other countries, signed the Global Renewables and Energy Efficiency Pledge, a commitment to tripling renewable energy capacity and doubling the annual rate of energy efficiency improvements by 2030. Canada also joined the Buildings Breakthrough, which aims to achieve near-zero emissions and resilient buildings by 2030.</p> <p>Canada also works with domestic and international partners on the development and deployment of nuclear technologies that provide a safe, secure and reliable non-emitting source of baseload energy in Canada and globally.</p> <p>NRCan has taken various steps to continue strengthening the role of nuclear energy in Canada’s clean energy transition. In February 2023, NRCan launched the Enabling SMRs Program providing \$13.6 million in funding for nine projects to strengthen Canada’s SMR supply chain. Additionally, in partnership with NSERC, NRCan is co-funding 15 projects at Canadian universities. NRCan announced an investment up to \$50 million through the Electricity Predevelopment Program in April 2024 to support Ontario’s nuclear energy expansion at Bruce Power’s existing Bruce site.</p>	<p>These efforts contribute to advancing:</p> <p>Global Targets:</p> <p>7.1 By 2030, ensure universal access to affordable, reliable and modern energy services;</p> <p>7.3 By 2030, double the global rate of improvement in energy efficiency; and</p> <p>7.a By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology</p> <p>Canadian Indicator Framework (CIF) Targets:</p> <p>7.1 By 2030, 600 petajoules of total annual energy savings will be achieved as a result of the adoption of energy efficiency codes, standards and practices from a baseline savings of 20.0 petajoules in 2017 to 2018</p> <p>7.2 By 2030, 90%, and in the long term 100%, of Canada’s electricity is generated from renewable and non-emitting sources</p> <p>Canadian Ambitions:</p> <p>7.1 Canadian Ambition: Canadians reduce their energy consumption</p> <p>7.3 Canadians have access to clean and renewable energy</p>

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>On the international front, NRCan is engaging with various partners in multilateral fora to advance nuclear energy development and deployment in support of achieving the 2030 Agenda and Sustainable Development Goals (SDGs).</p> <p>For example, NRCan supports Canada’s membership and active participation in the Nuclear Energy Agency (NEA), International Atomic Energy Agency (IAEA), and the Generation IV International Forum (GIF). NRCan helps shape these bodies’ strategic objectives and priorities, with both leadership and active participant roles.</p> <p>Canada is also part of the Sapporo 5 – a coalition of nuclear energy nations (Canada, Japan, France, the UK, and the U.S.), formed under the G7 framework. This group aims to strengthen global nuclear fuel supply chains and to reduce reliance on Russian nuclear materials. At COP28, Canada joined over 20 countries in a commitment to triple global nuclear energy capacity by 2050. This initiative aims to help achieve net-zero greenhouse gas emissions and keep the 1.5°C temperature rise goal within reach.</p> <p>NRCan is also pursuing nuclear energy objectives in support of the 2030 Agenda and SDGs with like-minded allies (e.g., U.S., civil nuclear cooperation with France, Canada-UK Civil Nuclear Dialogue, etc.).</p>	



GOAL 8: ENCOURAGE INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH IN CANADA

FSDS Context:

Opportunities exist across all sectors for businesses to increase their competitiveness and become more sustainable. To transform the economy, Canada will need to decarbonize and reduce the environmental impacts of existing sectors while growing and supporting clean technology and emerging sector jobs, including by upskilling and reskilling workers, increasing workforce participation, and diversifying local economies. NRCan plays a vital role in encouraging inclusive and sustainable economic growth throughout Canada's vast natural resources sector. Through the Regional Energy and Resource Tables, NRCan is committed to advancing joint partnerships with provinces and territories, in collaboration with Indigenous partners, to ensure that all Canadians reap the economic benefits of climate action by supporting the creation of jobs, thriving communities, and sustainable economic prosperity from coast to coast to coast. Additionally, through the 2023 Sustainable Jobs Plan and introduction of Bill C-50, the Canadian Sustainable Jobs Act, NRCan is guiding and organizing federal efforts to support workers, businesses, and communities as Canada shifts to a low-carbon economy.

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal ‘Encourage inclusive and sustainable economic growth in Canada’ but not a specific FSDS target ²⁰

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Collaborate with provinces and territories through the Regional Energy and Resources Tables</p>	<p>Establish joint partnerships with provinces and territories– in collaboration with Indigenous partners and with the input of key stakeholders – to identify and accelerate opportunities for transforming Canada’s traditional resource industries and advancing emerging ones for a low carbon future</p> <p>Program: Energy and Climate Change Policy</p>	<p>Performance indicator: Number of completed Collaboration Frameworks/roadmaps or other bilateral collaborative plans that include input from Indigenous and other regional partners and for which implementation is underway</p> <p>Starting point: New Program (0 as of 2022)</p> <p>Target: 13 by March 31, 2025</p>	<p>The Regional Energy and Resource Tables (Regional Tables) are a key part of the Government of Canada’s efforts to ensure Canadians reap the economic benefits of climate action. The Tables will align regional priorities, funding and financing opportunities, and policy and regulatory approaches to accelerate economic activity and position every region in Canada to lead in areas where they have, or can create, comparative advantage in the low carbon future. By working collaboratively from coast to coast to coast, this work will encourage inclusive and sustainable economic growth, across all provinces and territories.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 8.5 Canadians contribute to and benefit from sustainable economic growth</i></p> <p><i>GIF Target: 8.2 Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors.</i></p>

²⁰ The departmental action “Stimulate domestic and foreign investment into Canada’s industrial and innovation battery ecosystem” is removed because the target was achieved. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA'S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Support workers, businesses and communities</p>	<p>Undertake comprehensive action to support the future and livelihood of workers and their communities in the transition to a low-carbon economy via the <i>Canadian Sustainable Jobs Act</i></p> <p>Program: Energy and Climate Change Policy</p>	<p>Performance indicator: Implementation of the Government's proposed <i>Canadian Sustainable Jobs Act</i> via three elements of legislation: establishing a Partnership Council, a Secretariat, and a Sustainable Jobs Action Plan</p> <p>Starting point: New initiative (0 of 3 elements of legislation completed)</p> <p>Target: Completion of 3 elements of legislation by March 31, 2026</p>	<p>The Government passed sustainable jobs legislation in June 2024 to establish a federal governance, engagement, and accountability framework to advance economic prosperity and ensure workers benefit from the opportunities presented by a low-carbon economy. The Government has established a Secretariat to lead its sustainable jobs approach, and the process of appointing members of the Sustainable Jobs Partnership Council is underway. The Council will provide independent advice to Government on sustainable jobs measures; create a Secretariat to lead the Government's sustainable jobs approach; and release a Sustainable Jobs Action Plan every five years beginning in 2025. These mechanisms will ensure that government decision-making is informed by the perspectives of workers, communities, and other stakeholders and partners as Canada shifts to a low-carbon economy, fostering equitable, inclusive and sustainable economic growth across the country.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 8.4 Canadians have access to quality jobs</i></p>



GOAL 9: FOSTER INNOVATION AND GREEN INFRASTRUCTURE IN CANADA

FSDS Context:

Canada's industrial sector is a major driver of economic activity, including income, jobs, and exports. While industry is a significant source of greenhouse gas emissions in Canada, many sectors are taking action to green their industries. Green infrastructure plays a key role in conserving natural resources and addressing climate change impacts by reducing greenhouse gas emissions and pollution. Investing in green infrastructure, such as low-carbon transportation, climate-resilient and energy efficient buildings, and clean energy, helps build healthy and resilient communities, protects against a changing climate, promotes environmental sustainability, drives economic growth, and supports a net-zero economy. NRCan is a leader on Canada's green innovation charge, committed to installing over 80,000 electrical vehicle chargers from coast to coast to coast to provide Canadians with a clean energy and reliable transportation infrastructure; to advancing research, and development and demonstration of clean energy technologies; and to fostering innovation through its open dissemination of core geospatial data, collected through collaborative partnerships with private, public, and Indigenous organizations.

Target theme: Green infrastructure and innovation²¹

Target: By March 31, 2026, 34,500 new electric vehicle chargers and 25 hydrogen refueling stations are completed where Canadians, live, work and play, including in public places, on-street, at multi-unit residential buildings, rural and remote locations and the workplace (Minister of Natural Resources);

Target: By March 31, 2027, contribute to the deployment of 50,000 new zero-emission vehicle chargers and refueling stations (Minister of Natural Resources)²²

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Invest in the deployment of zero emissions vehicles and refueling infrastructure	Deploy new zero-emission vehicle infrastructure ²³²⁴ Program: Lower Carbon Transportation	<p>Performance indicator: Number of low-carbon recharging and refueling stations completed</p> <p>Starting point: As of March 31, 2023, the program has funded projects that will result in a total of 42, 366 new chargers and 26 new hydrogen stations being built. This includes 4, 108 chargers that are open to the public.</p> <p>Target: By March 31, 2027, contribute to the deployment of 84,500 new zero-emission vehicle chargers and 45 hydrogen refuelling stations.</p>	<p>The department is working to support the deployment of new zero emission vehicle infrastructure. Availability of this infrastructure is a key action and that will contribute to the availability and use of electric and hydrogen vehicles by Canadians. This work to deploy zero emission vehicle infrastructure will directly contribute to reaching the target of having 50,000 new electric vehicle chargers <u>for a total of 84,500 electric vehicle chargers</u> and 45 hydrogen refueling stations completed. This deployment also supports the overall goal of fostering innovation and particularly green infrastructure in Canada.</p> <p>Relevant targets or ambitions: <i>CIF Ambition 9.6</i> Canadians have access to modern and sustainable infrastructure</p> <p><i>CIF Indicator:</i> 9.6.1 Number of publicly available electric vehicle charging and alternative fuelling stations in Canada</p> <p><i>GIF Target:</i> 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities.</p>

²¹ In the 2022-26 FSDS under this target theme, Natural Resources Canada (NRCan) is listed in as one of the responsible organizations for the implementation strategies, “Invest in the deployment and adoption of clean technologies”, and “Invest in research, development, and demonstration of clean technologies”, both of which support the SD Tech Fund target. NRCan is not a participating organization in the Sustainable Development Technology Canada’s SD Tech Fund and will not report any departmental actions under these implementation strategies. In this DSDS, under FSDS Goal 7, NRCan presents its actions related to investments in both, the deployment and adoption of, and the research, development and demonstration of, clean energy technologies.

²² The target date of March 31, 2027 refers to when the funding envelope ends for projects to build chargers and refueling stations. The date for the completion of the 50,000 charges and refueling stations is March 31, 2029.

²³ This departmental action supports both targets above and the FSDS Implementation Strategy: Invest in the deployment of electric vehicle chargers and hydrogen refueling stations.

²⁴ The Canada Infrastructure Bank is also investing \$500M in support of these targets

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal “Foster innovation and green infrastructure in Canada” but not a specific FSIDS target

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSIDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Other	<p>Support research, development, and demonstration (RD&D) projects to address barriers and create innovative solutions related to carbon capture, utilization and storage (CCUS)</p> <p>Program: Energy Innovation & Clean Technology</p>	<p>Performance Indicator: Number of new CCUS-related RD&D projects supported²⁵</p> <p>Starting Point: 0 as of April 1, 2022</p> <p>Target: 85 by December 31, 2026²⁶</p>	<p>CCUS technologies are generally still at an early adoption stage and not yet widely deployed. Investments in CCUS innovation are necessary to deliver on the promise of CCUS to enable large-scale greenhouse gas reductions in Canada and worldwide. This is especially important in sectors such as cement, iron and steel, chemicals and gas-fired power, which will require considerable R&D as well as demonstration at field and pre-commercial scales. This departmental action supports increased participation, collaboration, and investment in CCUS RD&D projects. Supporting large-scale, complex, cost-intensive, and often high-risk projects is intended to accelerate the development and deployment of CCUS. Developing these technologies will support the development and deployment of CCUS, and over the longer term reduce GHG emissions</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 9.1 Canada fosters sustainable research and innovation</i></p> <p><i>CIF Indicator: 9.1.1 Proportion of innovation in environment-related technology</i></p> <p><i>GIF Target: 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities</i></p>

²⁵ In addition to providing funding, NRCan also provides unique and critical support to Canadian innovation ecosystems that is required to bring new technologies from concept to market, including: connecting proponents with potential investors, partners, adopters or follow-on funders; providing expert advice to proponents and facilitating connections with other experts to help tackle non-technical barriers to growth; and engaging in the development or enhancement of codes, standards and regulations to help proponents bring their solutions to scale.

²⁶ The target was revised from 65-100 projects supported by Dec 31, 2026, to 85 projects supported by December 31, 2026. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Other	<p>Continue to implement the Clean Growth Hub’s mandate to help clean technology stakeholders navigate federal programs and initiatives that support innovation.</p> <p>Program: Internal Services</p>	<p>Performance Indicator: Percentage of surveyed Clean Growth Hub clients satisfied with the quality of the Clean Growth Hub’s service</p> <p>Starting Point: 70%</p> <p>Target: 70%</p>	<p>Together, NRCan and ISED co-lead the Clean Growth Hub, comprising of 17 departments and agencies to provide a single point of contact for clean technology innovators. By helping clean technology stakeholders understand the federal system of supports and, the Clean Growth Hub supports innovative technologies from the laboratory to market.</p> <p>Relevant Targets or Ambitions: <i>GIF Target: 9.5 Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending</i></p> <p><i>CIF Ambition: Canada fosters sustainable research and innovation</i></p>

Initiatives advancing Canada’s implementation of SDG 9 – Industry, Innovation and Infrastructure

The following initiatives demonstrate how NRCan programming supports the 2030 Agenda and the SDGs, supplementing the information outlined above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>NRCan fosters innovation and continual uptake of advanced geospatial technologies, policies, standards, and methods in data acquisition, processing, and dissemination. NRCan achieves advances in spatial data infrastructure, AI-assisted mapping and modelling, earth observation (EO) ground infrastructure, EO data collection, and resulting core geospatial data through collaborative partnerships with private, public, and Indigenous organizations. Results are freely shared, feeding downstream innovation and development of value-added products amongst public, academic, and private sectors.</p> <p>NRCan leads in creating foundational geospatial data, which provides a reference framework and geographical context for analyzing climate change. The most downloaded geospatial dataset under OpenCanada is its high-resolution digital elevation model (HRDEM) alongside various elevation products, authoritative freshwater data like Canadian Hydrospatial Network, and has created a collection of geographic features using artificial intelligence (GeoAI).The Arctic Spatial Data Infrastructure (SDI) is a vital collaboration that helps provide key spatial data and essential digital infrastructure for the North. All these ongoing initiatives enable richer analysis, better-informed decision-making, and more effective actions by governments, the private sector, academia, and citizens.</p>	<p>These efforts contribute to advancing:</p> <p>Global Target 9.5 Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending</p> <p>Canadian Indicator Framework (CIF) Ambition 9.1 Canada fosters sustainable research and innovation</p>



GOAL 10: ADVANCE RECONCILIATION WITH INDIGENOUS PEOPLES AND TAKE ACTION ON INEQUALITY

FSDS Context:

Reconciliation with Indigenous Peoples is essential to addressing social, economic and environmental inequalities and achieving substantive equality. Urgent action is needed to close the social, economic, health, environmental protection, and educational gaps between Indigenous Peoples and the rest of Canada to ensure that everyone in Canada can enjoy the same quality of life, regardless of who they are or where they were born. NRCan continues to be an active participant in tackling inequality and advancing reconciliation with First Nations, Inuit, and Métis communities through its continued commitment to supporting Justice Canada in developing the UN Declaration Act Action Plan in consultation and cooperation with Indigenous Peoples in accordance with the *United Nations Declaration on the Rights of Indigenous Peoples Act*. NRCan has committed over \$8 million to engage with Indigenous partners to develop a National Benefits-Sharing Framework to ensure Indigenous communities derive benefits from major natural resource projects in their territories. Additionally, NRCan is advancing the participation of Indigenous Peoples in the minerals and metals sector through the Canadian Minerals and Metals Plan (CMMP).

Target theme: Advancing reconciliation with First Nations, Inuit, and the Métis communities

Target: Between 2023 and 2026, and every year on an ongoing basis, develop and table annual progress reports on implementing *the United Nations Declaration on the Rights of Indigenous Peoples Act* (Minister of Justice and Attorney General of Canada) ²⁷

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Implement the <i>United Nations Declaration on the Rights of Indigenous Peoples Act</i></p>	<p>Supporting Justice Canada in the implementation of the UN Declaration Act Action Plan through engagement with industry stakeholders, both Indigenous and non-Indigenous</p> <p>Program: Indigenous Reconciliation and Regulatory Coordination</p>	<p>Performance indicator: Percentage of new legislation/regulations and legislative/regulatory amendments having been assessed for consistency with the United Nations Declaration on the Rights of Indigenous Peoples (UN Declaration)</p> <p>Starting point: New initiative (0% in April 2023)</p> <p>Target: 100 by March 31, 2027²⁸</p>	<p>The <i>United Nations Declaration on the Rights of Indigenous Peoples Act</i> requires the Government of Canada, in consultation and cooperation with Indigenous Peoples, to “take all measures necessary to ensure that federal laws are consistent with the Declaration (section 5), prepare and implement an action plan to achieve the objectives of the Declaration (section 6), and develop annual reports on progress and submit them to Parliament (section 7). To advance reconciliation and reduce inequalities, NRCan will continue to support Justice Canada in implementation of the UN Declaration Act Action Plan by consulting with Indigenous Peoples and engaging with Indigenous organizations and industry stakeholders; by feeding into the whole-of-government progress reports; and by taking measures to ensure that existing laws and future laws reflect the rights and principles of the Declaration.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 10.2 Canadians live free of discrimination and inequalities are reduced</i></p> <p><i>CIF Indicator: 10.2.1 Proportion of the population reporting discrimination or unfair treatment</i></p> <p><i>GIF Target: 10.3 Ensure equal opportunity and reduce inequalities of outcome, including by eliminating discriminatory laws, policies and practices, and promoting appropriate legislation, policies, and actions in this regard.</i></p>

²⁷ The departmental action “Develop a National Benefits-Sharing Framework to improve the quality and consistency of benefits that Indigenous communities derive from natural resource projects in their territories” is removed because the engagement to support the development of the NBSF concluded in March 2024 culminating in a [What we Heard: Engagement on the National Benefits -Sharing Framework and Indigenous Loan Guarantee Program](#) report and the establishment of the Indigenous Loan Guarantee Program. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

²⁸ The indicator “Percentage of respondents indicating satisfaction with NRCan’s engagement process” has been replaced with “Percentage of new legislation/regulations and legislative/regulatory amendments assessed for consistency with the United Nations Declaration on the Rights of Indigenous Peoples (UN Declaration)” in order to better reflect the outcome of NRCan’s work through this departmental action. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

Initiatives advancing Canada’s implementation of SDG 10 – Reduced Inequalities

The following initiatives demonstrate how NRCan programming supports the 2030 Agenda and the SDGs, supplementing the information outlined above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>The Canadian Minerals and Metals Plan (CMMP) is working to advance the participation of Indigenous Peoples in the minerals and metals sector. By exploring opportunities for increased Indigenous procurement and business activity in the mining sector, which generates own-source revenues, the CMMP supports economic reconciliation.</p> <p>In 2024-25, this includes the organization of a webinar and release of three case studies on procurement best practices to complement the Local Procurement Checklist to Support Indigenous Procurement in Mining that was released in March 2024. These resources support local Indigenous entrepreneurs to better harness procurement opportunities and benefit from mining activity around their communities.</p>	<p>These efforts contribute to advancing:</p> <p>Global Target 10.3 Ensure equal opportunity and reduce inequalities of outcome, including by eliminating discriminatory laws, policies and practices and promoting appropriate legislation, policies and action in this regard</p> <p>Canadian Indicator Framework (CIF) Ambition 10.2 Canadians live free of discrimination and inequalities are reduced</p>



GOAL 12: REDUCE WASTE AND TRANSITION TO ZERO-EMISSION VEHICLES

FSDS Context:

By transitioning to a cleaner and more circular economy that prioritizes reducing consumption and waste generation, reusing the resources already extracted, and finding processes and technologies that take a holistic systems-based approach to minimizing waste throughout the economy, we can help reduce negative impacts on the environment. Doing this also improves resilience to resource shortages, rising or volatile prices, and supply chain interruptions.

NRCan remains focused on Canada's efforts to reduce waste and transition to zero-emissions vehicles by improving the disposal management of non-hazardous operational waste, and by supporting the implementation of a federal action plan to reduce greenhouse gas emissions with a 100% zero-emissions vehicle fleet, an operational greening strategy, and targeted training for employees focused on green procurement. Additionally, through the Canadian Critical Minerals Strategy, NRCan is working with partners to advance circular solutions to close material loops, increase access to the minerals and metals contained in post-consumer goods through robust recycling infrastructure and secondary markets, and encourage their recovery from mining and industrial waste streams. NRCan was successful in unlocking funding for the Canadian Critical Minerals Strategy, crucial in order to build a sustainable industrial base to address climate change for generations to come. NRCan is supporting sustainable consumption and production patterns with the Canadian Minerals and Metals Plan (CMMP), which calls for greater collaboration between governments and industry to reduce and repurpose waste in support of a more circular economy.

Target theme: Federal Leadership on Responsible Consumption

Target: By 2030, the Government of Canada will divert from landfill at least 75% by weight of non-hazardous operational waste (All Ministers)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA'S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Maximize diversion of waste from landfills	Improve management of the disposal of non-hazardous operational waste in NRCan's operations Program: Internal Services	Performance indicator: Percentage of non-hazardous operational waste (by weight) diverted from landfills Starting point: 69% in 2022-23 ²⁹ Target: 75% by March 31, 2030	NRCan's non-hazardous waste diversion operations support the departmental and government-wide commitment to transition to greener operations. Actions include conducting regular waste audits to track results and reviewing and evaluating recommendations for continuous improvement as part of NRCan's Greening Operational Greening Strategy, currently under development. Relevant targets or ambitions: <i>CIF Ambition: Canadians consume in a sustainable manner</i> <i>CIF Indicator: 12.3.1 Total waste diversion per capita</i> <i>GIF Target: 12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling, and reuse</i>

²⁹ As identified in the 2023-24 DSDS Report, the starting was incorrect and should be 69%. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

Target: The Government of Canada’s procurement of goods and services will be net-zero emissions by 2050, to aid the transition to a net-zero, circular economy (All Ministers)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Transform the federal light-duty fleet</p>	<p>Continue to support the implementation of a federal action plan to reduce greenhouse gas emissions from federal buildings and fleets</p> <p>Program: Internal Services</p>	<p>Performance indicator: Percentage of light-duty NRCan fleet vehicles that are zero-emission vehicles (ZEV) or hybrid electric vehicles (HEV)</p> <p>Starting point: 10% ZEV or HEV as of March 31, 2023</p> <p>Target: 100% ZEV or hybrid by 2030</p>	<p>NRCan will leverage its long-term fleet portfolio plan in place to guide the long-term cyclical conversion of existing fleets towards zero emissions inventory by 2030.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 12.1 Canadians consume in a sustainable manner</i></p> <p><i>CIF Target: 12.1.1 Zero-emission vehicles represent 10% of new light duty vehicle sales by 2020, 30% by 2030, and 100% by 2040</i></p> <p><i>GIF Target: 12.7 Promote public procurement practices that are sustainable, in accordance with national policies and priorities</i></p>
<p>Strengthen green procurement criteria</p>	<p>Encourage new procurement employees to complete the optional Green Procurement course</p> <p>Program: Internal Services</p>	<p>Performance indicator: Percentage of employees in procurement who have completed training on green procurement</p> <p>Starting point: 64% as of March 31, 2023</p> <p>Target: 90 % by March 31, 2024</p>	<p>NRCan’s action supports the Policy on Green Procurement by promoting the protection of the environment and supporting sustainable development through the integration of environmental performance considerations into the procurement decision-making process. Additionally, the NRCan Greening Strategy currently under development will include provisions to strengthen green procurement policies.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 12.1 Canadians consume in a sustainable manner</i></p> <p><i>CIF Indicator: 12.2.1 Proportion of businesses that adopted selected environmental protection activities and management practices</i></p> <p><i>GIF Target: 12.7 Promote public procurement practices that are sustainable, in accordance with national policies and priorities</i></p>

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal **“Reduce waste and transition to zero-emission vehicles”** but not a specific FSIDS target

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSIDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Boost the supply of critical minerals for the green and digital economy</p>	<p>Unlock funding announced in Budget 2022 to implement the Canadian Critical Minerals Strategy</p> <p>Program: Provision of Federal Leadership in the Minerals and Metals Sector; Geoscience for Sustainable Development of Natural Resources; Green Mining Innovation; Indigenous Partnerships Office</p>	<p>Performance Indicator: Increase in domestic mineral production of key critical minerals³⁰</p> <p>Starting Point: 2022 production levels for 19 critical minerals that Canada produces and for which data are available (aluminum, cobalt, copper, fluorspar, germanium, graphite, indium, lithium, magnesium, molybdenum, niobium, nickel, platinum group metals, potash, scandium, tellurium, titanium, uranium and zinc).</p> <p>Target: By December 31, 2030 60% of key critical minerals increase production by 10% or more compared to 2022 baseline.</p>	<p>The Canadian Critical Minerals Strategy seeks to increase the supply of responsibly sourced critical minerals and support the development of domestic and global value chains for the green and digital economy through a range of initiatives that span the entire value chain, from exploration to mining to recycling. Critical minerals are the building blocks for the green and digital economy. They are used in a wide range of essential products, from mobile phones to solar panels, electric vehicle batteries to medical and healthcare devices, to military and national defence applications. Without critical minerals, there can be no green energy transition for Canada and the world. By investing in critical minerals today, we are building a sustainable industrial base to support emission-reducing supply chains that will address climate change for generations to come (e.g., net-zero energy and transportation systems).</p> <p>Relevant Targets or Ambitions: <i>GIF Target: 12.2 By 2030, achieve the sustainable management and efficient use of natural resources.</i></p>

³⁰ The performance indicator has been revised from “Percentage of funding unlocked to support implementation of the Canadian Critical Minerals Strategy” to “Increase in domestic mineral production of key critical minerals” to reflect the ongoing work of NRCan, now that the funding has been unlocked. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

Initiatives advancing Canada’s implementation of SDG 12 – Responsible Consumption and Production

The following initiatives demonstrate how NRCan programming supports the 2030 Agenda and the SDGs, supplementing the information outlined above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>The Canadian Minerals and Metals Plan (CMMP) calls for greater collaboration between governments and industry to reduce waste and support the circular economy. Through the CMMP strategic direction on the Environment, NRCan supports actions that contribute to sustainable consumption and production patterns, while positioning Canada as a reliable, sustainable, and responsible source of natural resources.</p> <p>In 2024-25, this includes commissioning a research study on silica production, Canadian markets, and specifications for end-user applications and potential for extracting silica from mine tailings to advance mine tailings reprocessing and foster a circular mining economy. This also includes hosting the 2nd Annual Orphaned and Abandoned Mines workshop to foster information sharing and collaboration between governments, industry, and other stakeholders, including on mine waste valorization and economic opportunities associated with mine reclamation to support sustainable and circular consumption.</p>	<p>These efforts contribute to advancing:</p> <p><i>GIF Target: 12.2 By 2030, achieve the sustainable management and efficient use of natural resources.</i></p> <p><i>CIF Ambition: Canadians consume in a sustainable manner</i></p>



GOAL 13: TAKE ACTION ON CLIMATE CHANGE AND ITS IMPACTS

FSDS Context:

Communities across the country are experiencing the impacts of climate change from extreme events such as wildfires, flooding, and heat waves, to rising sea levels, melting ice, and permafrost. NRCan continues to support the ongoing delivery of results and services in support of effective action on climate change by: working with provinces, territories, municipalities, Indigenous organizations and communities, and other stakeholders to increase Canada's resilience to a changing climate; advancing clean and emerging technologies, which reduce energy consumption and greenhouse gas emissions; and by sharing tools, climate change, and energy information with its stakeholders, and archiving and disseminating authoritative geospatial data to support climate change actions and decision-making. NRCan's Forest Climate Change Program is demonstrative of these actions. The Program provides science-based information, data, and tools to support adaptation actions in forests and forested landscapes across Canada under a changing climate, informs actions to meet greenhouse gas emission reduction targets, and ensures forest-related greenhouse gas reporting requirements are met, advancing Canada's commitment to tackling climate change and its impacts.

Target theme: Federal Leadership on Greenhouse Gas Emissions Reductions and Climate Resilience

Target: The Government of Canada will transition to net-zero carbon operations for facilities and conventional fleets by 2050 (All Ministers)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Implement the Greening Government Strategy through measures that reduce greenhouse gas emissions, improve climate resilience, and green the government’s overall operations</p>	<p>Develop an operational greening strategy to reduce greenhouse gas emissions from NRCan’s buildings and fleets</p> <p>Program: Internal Services</p>	<p>Performance indicator: Percentage reduction in equivalent greenhouse gas emissions from NRCan facilities and fleets compared to 2005-06 baseline</p> <p>Starting point: 43.5% as of March 31, 2023 (preliminary results)</p> <p>Target: 40% by 2030³¹; 90% by 2050</p>	<p>The Departmental Greening Strategy, currently under development, will advance creation and implementation of a roadmap and action plan to achieve multiple greening targets, including greenhouse gas reduction, climate resilience and other greening metrics in the Greening Government Strategy. This work will be integrated into the long-term portfolio strategies for buildings and fleets.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 13.1 Canadians reduce their greenhouse gas emissions.</i></p> <p><i>CIF Target 13.1.1 By 2030, reduce Canada’s total greenhouse gas emissions by 40 to 45%, relative to 2005 emission levels. By 2050, achieve economy-wide net-zero greenhouse gas emissions</i></p> <p><i>GIF Target: 13.2 Integrate climate change measures into national policies, strategies and planning</i></p>

³¹ The federal Greening Government Strategy sets a greenhouse gas (GHG) emissions reduction target of 40% below 2005-06 levels by 2025 for facilities and fleets. NRCan has met this target in advance of the 2025 deadline with a GHG emissions reduction starting point of 43.5% from 2005-06 levels.

Target: The Government of Canada will transition to climate resilient operations by 2050 (All Ministers)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Reduce risks posed by climate change to federal assets, services and operations	<p>Incorporate and strengthen the consideration of climate change in business continuity planning, departmental risk planning or equivalent processes, and program design and delivery considerations</p> <p>Program: Internal Services</p>	<p>Performance indicator: Integration of climate change risks and considerations in the management of Real Property Portfolio and in departmental services and operations.</p> <p>Starting point: 2 Climate Risk and Vulnerability Assessments (CRIVA) as of March 31, 2024</p> <p>Target: 9 CRIVAs completed by March 31, 2027³²</p>	<p>Consistent with the <i>Federal Adaptation Policy Framework</i>, NRCan will continue to improve its understanding of and take action to reduce the operational and program delivery risks and impacts posed by climate change. Climate Risk and Vulnerability Assessments are key studies which inform departmental business continuity planning, annual building management reinvestment planning and prioritization, real property and environmental management policy frameworks, and program research in general.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 13.2 Canadians are well-equipped and resilient to face the effects of climate change</i> <i>GIF Target: 13.2 Integrate climate change measures into national policies, strategies and planning</i></p>

³² The performance indicator has been revised from “Including of climate risk considerations in the Real Property Portfolio Considerations and Departmental Greening Strategy” to “Integration of climate change risks and considerations in the management of Real Property Portfolio and in departmental services and operations” in order to better align with the Implementation Strategy. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information.

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal **“Take action on climate change and its impacts”** but not a specific FSDS target ³³

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Collaborate on emergency management and disaster risk reduction	<p>Facilitate provision of geospatial data to support national and international emergency management efforts</p> <p>Program: Core Geospatial Data</p>	<p>Performance Indicator: Percentage of responses to requests for geospatial data through International Charter: Space and Major Disasters</p> <p>Starting Point: 100% in 2019-20</p> <p>Target: 100% in 2024-25</p>	<p>Satellite Earth observation uses satellites to gather information about the Earth’s oceans, land, climate and populated areas. Satellite geospatial data are critical to taking action on and adapting to climate change by enabling applications and services in many areas that support the health and well-being of Canadians. Satellite Earth observation also provides vital information to support climate science and modelling. The International Charter: Space and Major Disasters is a worldwide collaboration which provides for the charitable and humanitarian acquisition and transmission of satellite data to relief organizations in the event of major disasters.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 13.2 Canadians are well-equipped and resilient to face the effects of climate change</i></p> <p><i>GIF Target:13.1 Strengthen resilience and adaptative capacity to climate-related hazards and natural disasters in all countries</i></p> <p><i>GIF Target:13.2 Integrate climate change measures into national policies, strategies, and planning</i></p>
Other	<p>Enhance logistics support through the Polar Continental Shelf Program (PCSP) for scientific research conducted in the Canadian Arctic</p> <p>Program: Polar Continental Shelf Program</p>	<p>Performance Indicator: Number of scientific publications acknowledging Polar Continental Shelf Program support</p> <p>Starting Point: PCSP support was acknowledged in 144 publications in 2022</p> <p>Target: 135 annually³⁴</p>	<p>The logistics support provided by the Polar Continental Shelf Program for field research in the Arctic regions of Canada contributes to the growing body of knowledge about the northern most parts of Canada. With increased scientific information, Canadians can make informed decisions to help reduce the impacts of climate change, such as reducing greenhouse gas emissions.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 13.3 Canadians are well-equipped and resilient to face the effects of climate change</i></p> <p><i>GIF Target: 13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning</i></p>

³³ The departmental action “Increase uptake and use of climate change mitigation, resilience and adaptation tools and information by decision makers” is removed because the target was achieved. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information

³⁴ The target has been revised from “143 annually”, to “135 annually” to reflect PCSP’s planned reduction of in-kind support from 2025-2028

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA'S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Other	<p>Support the development of technologies to reduce energy consumption and a reliance on diesel in mining and milling operations</p> <p>Program: Green Mining Innovation</p>	<p>Performance indicator: Percentage of innovative mining technologies developed by NRCan that are ready for commercial use</p> <p>Starting point: (0% as of March 31, 2023)</p> <p>Target: 25% by March 31, 2027</p>	<p>Supporting the development of technologies to reduce energy consumption and a reliance on diesel in mining and milling operations will limit the impact of climate change by reducing the environmental footprint of a major industrial sector in Canada.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: Canadians consume in a sustainable manner</i></p> <p><i>GIF Target: 12.2 By 2030, achieve the sustainable management and efficient use of natural resources.</i></p>
Other	<p>Build capacity for decision-making on climate resilience</p> <p>Program: Climate Change Adaptation</p>	<p>Performance Indicator: Percentage of target stakeholders reporting they have the capacity to apply climate change adaptation tools and information for adaptation decision-making</p> <p>Starting Point: Communities: 15% in 2018 Natural Resources Businesses: 51% in 2018</p> <p>Target: Communities: 30% by the end of 2027 Natural Resource Businesses: 60% by the end of 2027</p>	<p>The Climate Change Impacts and Adaptation Division delivers adaptation programming, knowledge assessments, and the Climate Change Adaptation Platform, all contributing to advancing and implementing adaptation measures nationally. Through collaboration and partnerships, this work supports the generation and use of knowledge and expertise, and the development and dissemination of decision-making tools. It results in increased capacity across natural resource sectors and the professions they depend on, better equipping decision-makers to take action on climate change and its impacts.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition/Target: 13.3 Canadians are well-equipped and resilient to face the effects of climate change</i></p> <p><i>CIF Indicator: 13.3.1 Proportion of municipal organizations who factored climate change adaptation into decision-making processes</i></p> <p><i>GIF Target: 13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries</i></p>

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Other	<p>Provide access to, archive and disseminate authoritative geospatial data to support climate change action and decision-making</p> <p>Program: Core Geospatial Data</p>	<p>Performance Indicator: Number of images downloaded by federal departments from the Earth Observation Data Management System (EODMS) to support climate change decision-making</p> <p>Starting Point: 41,829 in 2022-23</p> <p>Target: At least 41,829 in 2023-24</p>	<p>EODMS data such as National Master Standing Offers (NMSO) and RADARSAT support the production of post-event maps such as earthquake land deformation, ice maps in the North, and emergency flood maps to help local governments understand the impact of natural disasters and carry out risk reduction activities. Additionally, these data support development of information products to measure and communicate climate change impacts, helping to shape Government of Canada policies, strategies, and planning. Finally, effective 2023, NMSO data will be shared with Indigenous Peoples, building on Canada’s Indigenous Climate Leadership ambitions.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 13.2 Canadians are well-equipped and resilient to face the effects of climate change</i></p> <p><i>GIF Target: 3.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries</i></p> <p><i>GIF Target: 13.2 Integrate climate change measures into national policies, strategies, and planning</i></p>

Initiatives advancing Canada’s implementation of SDG 13 – Climate Action

The following initiatives demonstrate how NRCan programming supports the 2030 Agenda and the SDGs, supplementing the information outlined above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>Climate change is affecting the safety, health, and quality of life of people across Canada. Every year, the country faces increasing record-breaking climate events, including wildfires, extreme heatwaves, and floods, on top of slow onset climate impacts, such as thawing permafrost and rising sea levels. Canada’s first National Adaptation Strategy and the Government of Canada Adaptation Action Plan outline a shared path and sets common direction for a more climate resilient Canada through resilient roads, bridges, sewers, and other infrastructure; healthier communities; enhanced biodiversity and nature conservation; and a climate resilient economy and workers.</p> <p>The Canadian Hazards Information Service (CHIS) provides authoritative, actionable, and timely information about geological hazards, space weather phenomena, and nuclear and radiological incidents. CHIS is augmenting the information it provides for earthquakes through the development of an Earthquake Early Warning system. Upon completion, the early warning system will provide seconds to minutes of warning of a major earthquake to high-risk areas, allowing mitigation measures to be taken for critical infrastructure.</p> <p>NRCan is the lead federal department in the Flood Hazard Identification and Mapping Program (FHIMP), collaborating with provinces and territories to complete flood hazard maps of higher risk areas in Canada and make this flood hazard information accessible to Canadians. The FHIMP will help ensure communities and all people living in Canada are better enabled to prepare for, mitigate, respond to, and recover from the hazards, risks and consequences of flooding linked to the changing climate.</p> <p>Through the 2 Billion Trees program NRCan continues to contribute to the federal commitment to plant two billion incremental trees by 2031 to help combat climate change and its impacts, while providing co-benefits to communities and ecosystems. This will be accomplished by funding tree planting projects with provinces and territories, for profit and not-for-profit organizations, municipalities, and Indigenous organizations. The Canadian Forest Service’s Forest Systems Information & Technology Enhancement (ForSITE) program is revolutionizing how Canada monitors its vast forests. By evaluating technologies like machine learning and remote sensing, researchers are working to enhance the accuracy and transparency of forest information to help address science gaps and help communities and governments protect Canada’s forests and tackle climate change</p> <p>The Canadian Minerals and Metals Plan (CMMP), through its strategic directions on the Environment and on Science, Technology, and Innovation, identifies climate change adaptation and alternate and renewable energy as areas of provincial, territorial, and federal action, and calls for more government collaboration</p>	<p>These efforts contribute to advancing:</p> <p>Global Target 13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries.</p> <p>Global Target 13.2 Integrate climate change measures into national policies, strategies and planning.</p> <p>Canadian Indicator Framework (CIF) Ambition 13.2 - Canadians are well-equipped and resilient to face the effects of climate change</p>

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>with stakeholders to develop incentives for the adoption of new and clean technologies and innovative practices.</p> <p>In 2024-25, this includes scoping research on potential actions that could be undertaken to encourage mining companies to adopt clean technologies and including the mining sector in other funding programs that support clean technology development and deployment.</p> <p>NRCan leads on the Economy and Workers System of the National Adaptation Strategy. In support of its objectives, the department will deliver programming that will: build capacity of professionals such as engineers and planners to apply climate change adaptation tools in their work; improve the ability of natural resource businesses to integrate adaptation plans and strategies, and support regional-scale pilot projects on adaptation in coastal regions</p>	



GOAL 14: CONSERVE AND PROTECT CANADA'S OCEANS

FSDS Context:

Protecting Canada's coasts and ocean resources is crucial to the livelihood of Canadians, including from the potential risk of oil spills that have an environmental impact on Canada's fisheries and coastlines. NRCan supports marine conservation measures and the Ocean Protection Plan by conducting scientific research and increasing knowledge related to marine geoscience that supports marine spatial planning and the impacts of oil spills on Canada's oceans. NRCan also conducts ongoing research into the extent of Canada's continental shelf in the Atlantic and Arctic Oceans, supporting implementation of international law as reflected in UNCLOS, which provides the legal framework for the conservation and sustainable use of oceans and their resources.

Target theme: Ocean Protection and Conservation

Target: Conserve 25% of marine and coastal areas by 2025, and 30% by 2030, in support of the commitment to work to halt and reverse nature loss by 2030 in Canada, and achieve a full recovery for nature by 2050 (Minister of Fisheries, Oceans and the Canadian Coast Guard)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA'S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Build knowledge of coastal and marine ecosystems and marine protected areas</p>	<p>Advance marine geoscience products to inform Marine Spatial Planning in impact Assessments, as well as cumulative effects and project assessments in the offshore</p> <p>Program: Geoscience for Sustainable Development of Natural Resources</p>	<p>Performance indicator: Percentage of marine geoscience knowledge products and associated data releases that inform DFO-led Marine Spatial Planning, cumulative effects assessments (e.g., RA) or project assessments in the offshore</p> <p>Starting Point: 0% as of March 31, 2024</p> <p>Target: 100% by March 31, 2028</p>	<p>NRCan, through the Marine Geoscience for Marine Spatial Planning Program (MGMSPP), provides marine geoscience research to inform impact assessment and other decision-making processes in Canada's offshore. MGMSPP's outputs contribute to the Government of Canada's Marine Spatial Planning goal of achieving shared ecological, economic, cultural, and social objectives in the marine environment, including conservation.</p> <p>Relevant Targets or Ambitions: <i>CIF Target: 14.1 Conserve 25% of Canada's oceans by 2025, working towards 30% by 2030.</i></p> <p><i>CIF Indicator: 14.1.1 Proportion of marine and coastal areas conserved</i></p> <p><i>GIF Target: 14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans</i></p>

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA'S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Protect, manage, and restore marine and coastal areas	<p>Provide resource assessment to advance Canada's goal of preserving 25% of coastal and marine areas through networks of protected areas and other effective area-based conservation measures</p> <p>Program: Geoscience for Sustainable Development of Natural Resources</p>	<p>Performance indicator: Number of completed resource and economic assessments by NRCan for protected areas that are proposed by Fisheries and Oceans Canada, ECCC, and Parks Canada</p> <p>Starting point: 14 as of March 31, 2020</p> <p>Target: 20 by March 31, 2026³⁵</p>	<p>The Marine Conservation Targets program will continue to develop and apply geological methods and assessment tools to provide scientific knowledge on offshore natural resources in support of Canada's conservation targets for 2025. This knowledge will allow DFO, ECCC, and PCA add to their understanding of these offshore lands and the natural resources found within the boundaries of proposed protected areas, thus supporting Canada in achieving its goal of protecting 10% of Canada's coastal and marine areas (as a percentage of total marine territory) by 2020, and 25% by 2025 and 30% by 2030. To date, Canada has protected 14.66% of its offshore lands or 824,821 Km².</p> <p>Relevant targets or ambitions: <i>CIF Target: 14.1 Conserve 25% of Canada's oceans by 2025, working towards 30% by 2030.</i></p> <p><i>CIF Indicator: 14.1.1 Proportion of marine and coastal areas conserved</i></p> <p><i>GIF Target: 14.5.1 Coverage of protected areas in relation to marine areas</i></p>
Other	<p>Continue to undertake science activities to support Canada's continental shelf submissions in the Atlantic Ocean and Arctic Ocean beyond 200 nautical miles and advise Global Affairs Canada on scientific and technical issues</p> <p>Program: Geological Knowledge for Canada's Onshore and Offshore Land</p>	<p>Performance Indicator: Number of science activities that aim at securing international recognition of Canada's outer limits beyond the 200 nautical mile Exclusive Economic Zone (EEZ)</p> <p>Starting Point: New initiative (0 as of May 1, 2023)</p> <p>Target: Four marine geoscience surveys by March 31, 2027</p>	<p>Canada ratified the UNCLOS Treaty in 2003 and implemented Article 76 of the treaty to delineate its continental shelf beyond 200 nautical miles in the Atlantic and Arctic oceans. The program received renewed funding in Budget 2023 to acquire new data in the Arctic Ocean to support Canada's revised outer limits. Eventually Canada will have jurisdiction, including the exploration, sustainable use, and conservation of the living and non-living resources on the seafloor and below, of the entire continental shelf through this process.</p> <p>Relevant Targets or Ambitions: <i>CIF Target: 14.1 Conserve 25% of Canada's oceans by 2025, working towards 30% by 2030.</i></p> <p><i>CIF Indicator: 14.1.1 Proportion of marine and coastal areas conserved</i></p> <p><i>GIF Target: 14.c Enhance the conservation and sustainable use of oceans and their resources by implementing international law as reflected in the United Nations Convention and the Law of the Sea, which provides the legal framework for the conservation and sustainable use of oceans and their resources, as recalled in paragraph 158 of "The future we want"</i></p>

³⁵ This target has been revised from "17 by March 31, 2024" to "20 by March 31, 2026", as the previous target has already been met.

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA'S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Other	<p>Conduct research to develop and acquire science-based information and mitigation strategies on how oil migrates through Canadian waters</p> <p>Program: Energy Innovation and Clean Technology</p>	<p>Performance Indicator: Number of science-based presentations, publications, and research reports on oil spills and their fate and behaviour in Canadian waters</p> <p>Starting Point: 0 in 2021-22</p> <p>Target: 12 by 2025-26 Marine Conservation Targets (MCT) Initiative; 20 by 2026-27 – Multi-Partner Research Initiative (MPRI)</p>	<p>Adding to our scientific understanding of how oil migrates through Canadian waters will serve as the basis for efforts to ensure Canada's oceans are conserved, by informing environmental assessments, clean-up methods, and evidence-based decision-making related to marine and coastal protection.</p> <p>Relevant Targets or Ambitions: <i>CIF Ambition: 14.1 Canada protects and conserves marine areas and sustainably manages ocean fish stocks</i></p> <p><i>CIF Target: 14.1.1 Conserve 25% of Canada's oceans by 2025, working towards 30% by 2030</i></p> <p><i>GIF Target: 14.5 By 2020, conserve at least 10% of coastal and marine areas, consistent with national and international law and based on the best available scientific information</i></p>

Initiatives advancing Canada’s implementation of SDG 14 – Life Below Water

The following initiatives demonstrate how NRCan programming supports the 2030 Agenda and the SDGs, supplementing the information outlined above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>Upcoming geoscience and bathymetric surveys in the central Arctic Ocean in 2025, 2026 and 2027 will be used to validate Canada’s outer limits and revise the Arctic Ocean submission to the UN. Data will also support international efforts to map the world’s seafloor via the International Bathymetric Chart of the Arctic Ocean (IBCAO) and Seabed 2030, forming part of Canada’s contribution to the UN Decade of Ocean Science for Sustainable Development (2021-2030).</p>	<p>These efforts contribute to advancing:</p> <p>Global Target 14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans.</p> <p>Global Target 14.c Enhance the conservation and sustainable use of oceans and their resources by implementing international law as reflected in the United Nations Convention on the Law of the Sea, which provides the legal framework for the conservation and sustainable use of oceans and their resources, as recalled in paragraph 158 of “The future we want”</p>



GOAL 15: PROTECT AND RECOVER SPECIES, CONSERVE CANADIAN BIODIVERSITY

FSDS Context:

Sustainable forest management is contingent upon healthy forests, but climate change brings challenges that could seriously impact the ecological integrity of forest health. NRCan conducts research and provides information and advice to provinces, territories, Indigenous Peoples, and the private sector to promote the protection, sustainable management, and efficient use of forest resources. The department uses scientific research, technology, and collaboration to protect forest resources from pest outbreaks, as well as from wildfire threats. NRCan also plays a large role in building capacity for Indigenous Peoples in connection to lands and forests. This includes the promotion of environmental stewardship, job creation, and the sustainable use and management of forest resources.

Target theme: Conservation of land and freshwater

Target: Between 2023 and 2026, Canada’s sustainable wood supply level (guided by sustainable forest management policies to reflect the current unique social, environmental and economic characteristics of managed forests), exceeds the annual timber harvests (Minister of Natural Resources)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Better understand lands and forests</p>	<p>Advance science and technology on forest health protection</p> <p>Program: Pest Risk Management</p>	<p>Performance indicator: Number of NRCan publications pertaining to forest pests and related risks, surveillance solutions, and response solutions that are developed annually</p> <p>Starting point: 52 in 2018-19</p> <p>Target: 52 publications ³⁶</p>	<p>Sustainable forest management is contingent upon healthy forests. Outbreaks of native forest insects and diseases, and the introduction of invasive alien species result in tree growth reduction and mortality, which may negatively affect the ecological integrity of forests. Climate change could amplify these impacts. Advancing pest risk management science and technology to prevent, prepare for, and respond to pests supports the protection of forest health across Canada and contributes to maintaining Canada’s annual timber harvest at or below sustainable wood supply level. Scientific publications are one of the primary forms of disseminating research results.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 15.5 Canada sustainably manages forests, lakes and rivers</i></p> <p><i>GIF Target: 15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests, and substantially increase afforestation and reforestation globally</i></p>

³⁶ In order to improve accuracy, the target has been revised from “at least 52 publications” to “52 publications”

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA'S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Promote participation in Canada's forest sector and support the transition to a sustainable economy</p>	<p>Develop innovative forest products and decision tools that strengthen knowledge of forest ecosystems and contribute to the environmental sustainability of Canada's forests</p> <p>Programs: Sustainable Forest Management; Fibre Solutions; Cumulative Effects</p>	<p>Performance indicator: Percentage of innovative forest products and decision tools informed by NRCan research that contributes to the Environmental Sustainability of Canada's forests</p> <p>Starting point: 100%</p> <p>Target: 95% annually</p>	<p>NRCan develops scientific knowledge products and decision-making tools about Canada's forests that are used by forest decision makers (e.g., provinces, territories, Canadian industry, private land-owners, etc.) to enable sustainable forest management. NRCan products and tools contribute to a better understanding of forest conditions and changes in response to natural disturbance, climate change and forest management practices. The innovative products and decision tools developed by participating programs strengthen knowledge of forest ecosystems and contribute to the environmental sustainability of Canada's forests. These innovations support the forest sector to maximize the value of Canada's forests while maintaining healthy forest ecosystems by reducing existing and potential environmental impacts. New products and decision tools support sustainable forest management in Canada's forests and maintaining harvest levels below sustainable wood supply levels.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 15.5 Canada sustainably manages forests, lakes and rivers</i></p> <p><i>GIF Target: 15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally</i></p>

Target theme: Species Protection and Recovery

Target: By 2026, increase the percentage of species at risk listed under federal law that exhibit population trends that are consistent with recovery strategies and management plans to 60%, from a baseline of 42% in 2019 (Minister of Environment and Climate Change; Minister of Fisheries, Oceans and the Canadian Coast Guard)

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
<p>Work with partners to enhance foundational knowledge of species, habitats and ecosystems</p>	<p>Support sustainable management of Canada’s forests, in collaboration with provinces and territories</p> <p>Program: Sustainable Forest Management</p>	<p>Performance indicator: Amount in cubic meter (m³) of wood harvested annually compared to sustainable wood supply</p> <p>Starting point: 141 million m³ total harvest versus 215 million m³ in wood supply in 2020 (State of Canada’s Forests Report, 2022)</p> <p>Target: Annual harvest is at or below sustainable wood supply levels</p>	<p>Sustainable forest management is a shared responsibility across all governments, the private sector and civil society for using and caring for forests to maintain their environmental, social and economic value and benefits over time. NRCan promotes responsible and transparent practices in the forest sector and supports provinces and territories in their role as forest managers to help ensure Canada’s forests are sustainable for years to come. Supporting sustainable forest management in Canada directly contributes to the goal of sustainably managed land and forests, and helps to maintain Canada’s annual timber harvest at or below sustainable wood levels.</p> <p>Sustainable forest management includes consideration of knowledge and data concerning ecosystems, habitats and species. NRCan develops scientific knowledge products and decision-making tools about Canada’s forests that are used by forest decision-makers (e.g., provinces, territories, Canadian industry, private land owners, etc.) to enable sustainable forest management.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 15.5 Canada sustainably manages forests, lakes and rivers</i></p> <p><i>GIF Target: 15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests, and substantially increase afforestation and reforestation globally</i></p>

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal “**Protect and recover species, conserve Canadian biodiversity**” but not a specific FSDS target

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Prevent, detect, respond to, control and manage invasive alien species	<p>Increased availability of scientific knowledge and advice pertaining to forest pests and related risks</p> <p>Program: Pest Risk Management</p>	<p>Performance indicator: Number of NRCan publications pertaining to forest invasive alien species and related risks, surveillance solutions, and response solutions that are developed annually.</p> <p>Starting point: 14 in 2022-23</p> <p>Target: 14 publications annually³⁷</p>	<p>Mitigating the loss of biodiversity requires healthy forests. The introduction of invasive alien species can result in tree growth reduction and mortality, which may negatively affect biodiversity and the ecological integrity of forests. Climate change could amplify these impacts. Advancing pest risk management science and technology to prevent, prepare for, and respond to invasive alien species supports the protection of forest health across Canada. Scientific publications are one of the primary forms of disseminating research results.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 15.5 Canada sustainably manages forests, lakes and rivers</i></p> <p><i>GIF Target: 15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species</i></p>

³⁷ In order to improve accuracy, the target has been revised from “14 publications or more annually” to “14 publications annually”

Initiatives advancing Canada’s implementation of SDG 15 – Life on Land

The following initiatives demonstrate how NRCan programming supports the 2030 Agenda and the SDGs, supplementing the information outlined above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>Canada will continue to monitor and report progress toward sustainable forest management and advance the monitoring systems and technologies used, including work to develop common understanding and systematic monitoring of forest degradation.</p>	<p>These efforts contribute to advancing:</p> <p>Global Target 15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally</p> <p>Canadian Indicator Framework (CIF) Ambition 15.5 Canada sustainably manages forests, lakes and rivers</p>



GOAL 17: STRENGTHEN PARTNERSHIPS TO PROMOTE GLOBAL ACTION ON SUSTAINABLE DEVELOPMENT

FSDS Context:

Diverse and inclusive partnerships are required at the local, regional, national, and global levels to achieve the United Nations 2030 Agenda for Sustainable Development and its 17 Sustainable Development Goals. To advance these ambitions, NRCan leads the collection, monitoring, and dissemination of space-based data and information to protect the environment and to provide critical services on which Canadians rely. Through its Innovative Geospatial Solutions Program, NRCan is leading the day-to-day operations of the Satellite Earth Observation initiative to collect and disseminate earth observation data and is supporting its national and international partners in monitoring the environment and ecosystems in Canada. Additionally, NRCan is strengthening global partnerships on critical minerals-related geoscience to increase the supply of responsibly sourced critical minerals and support the development of domestic and global value chains for the green and digital economy.

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal **“Strengthen partnerships to promote global action on sustainable development”** but not a specific FSDS target

IMPLEMENTATION STRATEGY	DEPARTMENTAL ACTION	PERFORMANCE INDICATOR STARTING POINT TARGET	HOW THE DEPARTMENTAL ACTION CONTRIBUTES TO THE FSDS GOAL AND TARGET AND, WHERE APPLICABLE, TO CANADA’S 2030 AGENDA NATIONAL STRATEGY AND SDGS
Work with partners to monitor and protect our ecosystems through space-based services and technologies	<p>Leverage our world-class scientific innovation and partnerships to protect Canadians and our ecosystems from the impacts of natural and human-induced hazards</p> <p>Program: Innovative Geospatial Solutions</p>	<p>Performance indicator: Percentage of satellite station uptime³⁸ (NRCan only)</p> <p>Starting point: 99.7% in 2018-2019</p> <p>Target: Maintain 99.7% satellite station uptime</p>	<p>In collaboration with ECCC and ISED, NRCan is leading the day-to-day operations of the Satellite Earth Observation initiative to collect and disseminate earth observation data. Through these activities, NRCan is supporting our national and international partners in monitoring the environment to ensure the protection of Canadians and our ecosystems from the impacts of natural and human-induced hazards.</p> <p>Relevant targets or ambitions: <i>CIF Ambition: 17.3 Canada fosters collaboration and partnerships to advance the SDGs</i></p>
Advance international collaboration on critical minerals	<p>Support Canada’s international commitments and engagements in critical minerals-related geoscience, R&D, trade and investment attraction, and transparency and sustainability initiatives</p> <p>Program: Provision of Federal Leadership in the Minerals and Metals</p>	<p>Performance Indicator: Number of international engagements (meetings or events) intended to strengthen critical minerals supply chain security, including investment attraction and science and policy collaboration³⁹</p> <p>Starting Point: New initiative (0 in 2022-2023), 73 in 2023-2024</p> <p>Target: 50 annually</p>	<p>The Global Partnerships Initiative is part of the Canadian Critical Minerals Strategy, which seeks to increase the supply of responsibly sourced critical minerals and support the development of domestic and global value chains for the green and digital economy.</p> <p>Relevant Targets or Ambitions: <i>GIF Target: 17.16 By 2030, increase substantially the share of renewable energy in the global energy mix</i></p>

³⁸ “Uptime” is the measure of time that satellite ground stations are available and working, as a percentage of total time in one year (24 hours per day, 365 days per year).

³⁹ The performance indicator has been revised from “Percentage of funding unlocked for the Global Partnerships Initiative” to “Number of international engagements (meetings or events) intended to strengthen critical minerals supply chain security, including investment attraction and science and policy collaboration” as the previous indicator and target have been achieved. The new indicator reflects NRCan’s ongoing work under this departmental action. Please refer to [the 2023-24 DSDS Report](#) for the previous performance information.

Initiatives advancing Canada’s implementation of SDG 17 – Partnerships for the Goals

The following initiatives demonstrate how NRCan programming supports the 2030 Agenda and the SDGs, supplementing the information outlined above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>Natural Resources Canada is committed to being a global leader in increasing transparency and good governance. Leading by example, the <i>Extractive Sector Transparency Measures Act</i> (ESTMA) increases extractive sector transparency in Canada. Canada was also the first jurisdiction to develop guidance for industry, playing an integral role in shaping the emerging global standard on mandatory reporting for the extractive sector, and also the first jurisdiction to launch a compliance program to improve data integrity, and data portal to improve data accessibility.</p> <p>Leveraging expertise from implementing the ESTMA, Canada additionally plays a prominent role in the Extractive Industries Transparency Initiative (EITI), an international transparency standard in the mining, oil and gas sectors that requires implementing countries to annually report on revenue collection and allocation, among other issues, in the extractive sector. The EITI Board is comprised of implementing countries, supporting countries, supporting companies and civil society organizations. Canada continues to play an active role in the initiative and hosted the EITI Board meeting in February 2024.</p>	<p>These efforts contribute to advancing:</p> <p>Global Target 17.1 Strengthen domestic resource mobilization, including through international support to developing countries, to improve domestic capacity for tax and other revenue collection</p>

SECTION 5

Integrating Sustainable Development

NRCan will continue to ensure that its decision-making process includes consideration of FSDS goals and targets through its Strategic Environmental Assessment process (SEA). An SEA for a policy, plan or program proposal includes an analysis of the impacts of the given proposal on the environment, including on relevant FSDS goals and targets.

Public statements on the results of NRCan's assessments are made public when an initiative has undergone a detailed SEA (see NRCan's [Public Statements Listing](#)). The purpose of the public statement is to demonstrate that the environmental effects (including the impacts on achieving the FSDS goals and targets) of the approved policy, plan or program have been considered during proposal development and decision-making.

To support integration of sustainable development into our internal policy and operational processes, NRCan will continue to advance several initiatives:



- To build knowledge of the SDGs and sustainable development within the department, engagement sessions were held with sectors in 2022-23. These sessions outlined key roles and responsibilities with respect to SDG reporting, both within NRCan, and the larger federal government context.
- NRCan conducts a functional review of every Treasury Board submission to identify the alignments of a program or initiative to the SDGs and 2022-26 FSDS chapters. Functional reviews from the sustainable development perspective are necessary for tracking how many programs and initiatives contribute to the advancement of the SDGs and federal sustainable development commitments.
- Finally, NRCan actively supports the federal government's Greening Government Strategy objective to transition to net-zero carbon and climate-resilient operations, while also reducing environmental impacts beyond carbon, including on waste, water and biodiversity. NRCan is developing a Departmental Greening Strategy that will advance the implementation of an action plan to achieve multiple greening targets, including greenhouse gas reduction, climate resilience, and greening procurement. NRCan is currently conducting a review of fleet requirements and management as well as a five-year operational plan to support the procurement of zero-emission vehicles.

Collectively, these initiatives will ensure that while NRCan is contributing to broader federal efforts to tackle climate change, we are also taking steps to ensure sustainable development is fully ingrained in our departmental culture and integrated into our key programs and policies, now and in the future.