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2023 to 2027 Departmental Sustainable Development Strategy

Innovation, Science and Economic Development Canada

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SECTION 1

Introduction to the Departmental Sustainable Development Strategy

This 2023 to 2027 Departmental Sustainable Development Strategy (DSDS) describes how the Department of Innovation, Science and Economic Development Canada will contribute to advancing goals and targets within the broader 2022 to 2026 Federal Sustainable Development Strategy, as well as the United Nations Sustainable Development Goals over the next four years.

2030 Agenda for Sustainable Development

Canada is a signatory to the United Nations (UN) [2030 Agenda for Sustainable Development](#) (2030 Agenda), which sets out 17 Sustainable Development Goals (SDGs) to guide global efforts to advance sustainable development in its three dimensions – economic, social and environmental – in a balanced and integrated manner. Global progress toward the SDGs is measured against 169 targets and 230 indicators set out in the [UN Global Indicator Framework \(GIF\)](#).

[Canada's 2030 Agenda National Strategy \(National Strategy\)](#) articulates Canada's whole-of-society approach to advancing the



UN 2030 Agenda both in the Canadian context and internationally. The [Canadian Indicator Framework \(CIF\)](#) is used to track Canada's SDG implementation, translating the SDGs and the GIF into the Canadian context.

2022 to 2026 Federal Sustainable Development Strategy

The [Federal Sustainable Development Act \(FSDA\)](#) provides a legal framework for coordinated federal action to advance sustainable development via the development and implementation of Federal Sustainable Development Strategies (FSDSs) and DSDSs, with a view of ensuring that decision-making related to sustainable development is transparent and subject to accountability to Parliament, supporting the achievement of the UN SDGs, and improving Canadians' quality of life. The FSDA was amended in 2020 to enhance transparency and sustainable decision-making, and now includes a set of [principles](#) that must be considered when developing the FSDS and DSDSs. Among others, these include intergenerational equity, openness and transparency, collaboration, results and delivery, and involvement of Indigenous Peoples.

The [2022 to 2026 Federal Sustainable Development Strategy \(FSDS\)](#) sets out the Government of Canada's goals and plans for advancing sustainable development and improving Canadians' quality of life over the next four years. It is organized around the 17 UN SDGs, framed in the Canadian context (FSDS Goals), and sets out specific targets and implementation strategies to advance the FSDS Goals and SDGs. The 2022-2026 FSDS was the first FSDS to be developed under the amended FSDA, and the first to be framed around the 17 SDGs, providing a balanced view of the environmental, social and economic dimensions of sustainable development.

ISED's 2023 to 2027 Departmental Sustainable Development Strategy

In keeping with the purpose of the FSDA to make decision-making related to sustainable development more transparent and accountable to Parliament, this 2023-2027 DSDS describes how ISED¹ will contribute to advancing goals and targets within the broader 2022-2026 FSDS within the context of the department's mandate and core responsibilities over the next four years. Like the 2022-2026 FSDS, ISED's 2023-2027 DSDS is structured around the UN SDGs, better reflects all three dimensions of sustainable development compared to previous iterations, and incorporates sustainable development principles set out in the FSDA.

To support coordinated action on sustainable development across the Government of Canada, this DSDS also integrates efforts to advance Canada's implementation of the 2030 Agenda National Strategy, supported by the GIF and CIF targets and indicators. The strategy also now captures departmental SDG initiatives that fall outside the scope of the FSDS Goals, which will help inform the development of the Canada's Annual Report on the 2030 Agenda and the SDGs.

The 2023-2027 DSDS provides a snapshot of current and planned ISED initiatives that contribute to advancing sustainable development and will be updated with new and/or renewed initiatives and targets in the future to reflect the evolution ISED priorities, policies and programs over time.

To support transparency and a results and delivery approach, ISED will report on progress toward the sustainable development commitments in this 2023-2027 DSDS in each of two years following the tabling of the strategy.

¹ The 2023-2027 DSDS also includes commitments from the following organizations within the ISED Portfolio: Standards Council of Canada, Competition Bureau, Canadian Intellectual Property Office, Measurement Canada, and Sustainable Development Technology Canada.

SECTION 2

ISED's Sustainable Development Vision

ISED is committed to advancing sustainable development in all of its dimensions, and supports goals and targets set out in the 2022-2026 FSDS, as well as the broader National Strategy and SDGs.

As the department responsible for the Government of Canada's micro-economic policy agenda, ISED aims to foster a growing, competitive, and knowledge-based Canadian economy. ISED works with Canadians in all areas of the economy and in all parts of the country to help create the conditions for Canadian businesses to grow, innovate, expand, and create jobs and prosperity for Canadians. The department also supports scientific research and the integration of scientific considerations into investment and policy choices, helps small businesses grow through trade and innovation, and promotes increased tourism in Canada. The Department also works to position Canada as a global centre for innovation where investments support clean and inclusive growth, the middle class prospers through more job opportunities and companies become global leaders.

In particular, these activities, and the sustainable development actions and initiatives described in this strategy support:

- FSDS Goals 4 (Promote Knowledge and Skills for Sustainable Development), 5 (Champion Gender Equality), 8 (Encourage Inclusive and Sustainable Economic Growth in Canada), 9 (Foster Innovation and Green Infrastructure in Canada), 10 (Advance Reconciliation with Indigenous Peoples and Take Action to Reduce Inequality), 12 (Reduce Waste and Transition to Zero-Emission Vehicles), 13 (Take Action on Climate Change and its Impacts) and 17 (Strengthen Partnerships to Promote Global Action on Sustainable Development); and

- SDGs 4 (Quality Education), 5 (Gender Equality), 7 (Affordable and Clean Energy), 8 (Decent Work and Economic Growth), 9 (Industries, innovation and infrastructure), 10 (Reduced Inequalities), 12 (Responsible Consumption and Production) and 17 (Partnerships For the Goals).

While this DSDS focuses on a subset of goals that align with ISED's mandate and core responsibilities, given the inter-relationships between the goals, the department's sustainable development commitments are also anticipated to contribute indirectly to goals not covered in the strategy.

SECTION 3

Listening to Canadians

As required by the *Federal Sustainable Development Act*, ISED has taken into account comments on the draft 2022 to 2026 Federal Sustainable Development Strategy (FSDS) made during the public consultation held from March 11 to July 9, 2022. During the public 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 review and comment.

What We Heard

Among the valuable feedback that emerged from the submissions were several particularly noteworthy recommendations relevant to ISED in the context of the developing of this DSDS, including:

1. Calls to strike a better balance between social, economic and environmental objectives; and
2. Calls for strengthened targets to support strong accountability and reporting.

More information on the FSDS public consultation and its results can be found in the [FSDS Consultation Report](#).

What We Did

ISED has undertaken to address above-mentioned priorities and recommendations in this DSDS in several ways:

1. Unlike previous iterations of ISED's DSDS, which focused largely on environmental objectives, the 2023-2027 DSDS better captures the ways ISED contributes to advancing sustainable development in all three of its dimensions. In line with the breadth of ISED's mandate and core responsibilities, the 2023-2027 DSDS includes commitments that support a broad range of inter-related social, economic and environmental objectives, including innovation; economic growth; climate action; jobs and skills; equity, diversity and inclusion; and sustainable infrastructure; among others.
2. Consistent with stakeholders' emphasis on the need for a strong results and delivery approach to create transparency and accounting line with the principles set out the FSDA, to create, the department has taken steps to ensure that targets set out in this strategy are measurable, timebound and framed around outcomes.

SECTION 4

ISED's Commitments





GOAL 4: PROMOTE KNOWLEDGE AND SKILLS FOR SUSTAINABLE DEVELOPMENT

FSDS Context

ISED plays a key role in supporting Canada's strong research ecosystem and ensuring that Canadian have the skills needed for jobs in emerging industries and the green economy.

To enhance the quality of scientific research in Canada, attract more world-class research talent and accelerate the use of research to improve the lives of Canadians, ISED will continue to provide funding to a wide range of institutions as they work to make breakthroughs in important fields, such as genomics, quantum computing, artificial intelligence and the life sciences. These organizations include, among others, the Canadian Institute for Advanced Research, Digital Research Alliance of Canada, CANARIE, the Cyber Security Innovation Network, the Institute for Quantum Computing and the Canada Foundation for Innovation.

ISED will continue delivering programs that support skills development, including internship programs under the Youth Employment and Skills Strategy umbrella, such as the [Digital Skills for Youth](#) and Computers for Schools Internship programs. ISED will also continue to support opportunities for Canadian youth (K-12) to learn digital skills, including coding, data analytics and digital content development, through the [CanCode Program](#). Additionally, ISED's Digital Literacy Exchange Program will provide digital literacy training to underrepresented Canadians to equip them with the skills and confidence to participate in the digital economy. ISED will also support the creation of

student internships and work integrated learning opportunities through the Business + Higher Education Roundtable and Mitacs, among other programs.

Target theme: Training and skills in sustainable development

Target: By December 2025, Canada’s pool of science talent grows by 175,000 science, technology, engineering and mathematics (STEM) graduates (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
<p>Support youth skill development in environmental sectors</p>	<p>Continue to support the creation of green jobs, through the Computers for Schools Intern (CFSI) Program as part of the Youth Employment and Skills Strategy (YESS)</p> <p>Program: Talent Development Program</p>	<p>Performance indicator: Number of green jobs created through the CFSI per fiscal year</p> <p>Starting point: 187 (2022-23)</p> <p>Target: 118 per fiscal year</p>	<p>The Computers for Schools Intern (CFSI) program is a companion program to the Computers for Schools Plus (CFS+) program. It provides valuable internship opportunities to young Canadians by providing hands-on experience, in CFS+ workshops, refurbishing devices, developing and implementing social media plans, as well as other valuable workplace skills such as teamwork and communications skills. These internships are considered "green jobs" given the role played by CFS as a reuse organization. Reuse prolongs the useful life of technology; it also reduces greenhouse gas emissions, preserves natural resources, and conserves more energy than recycling.</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
			<p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians have access to inclusive and quality education throughout their lives <i>GIF Target 4.4</i> - By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship</p>
	<p>Continue to fund and support third-party organizations such as the Business + Higher Education Roundtable (BHER), which is advancing work-integrated learning (WIL) opportunities with a focus on transitioning to a net zero economy, equity, diversity and inclusion, and northern, rural and remote communities</p> <p>Program: Talent Development Program</p>	<p>Performance indicator: Number of committed WIL experiences over three years (2022-2025)</p> <p>Starting point: 7,968 (2022-23)</p> <p>Target: A total of 22,307 WIL experiences committed over 2022 to 2025</p>	<p>ISED supports the BHER, a non-profit organization that works with business and post-secondary education sectors to build opportunities for young Canadians. In particular, ISED funding to BHER supports the creation and delivery of WIL opportunities in close collaboration with employers. This work contributes to supporting the skills development of post-secondary students, including from equity deserving groups and others facing systemic barriers to gaining meaningful work experience. BHER prepares students to successfully transition into the labour market, including in environmental and clean technology sectors.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians have access to inclusive and quality education throughout their lives</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
			<i>GIF Target 4.4</i> - By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills for employment, decent jobs and entrepreneurship
	<p>Support the development and expansion of diverse scientific post-secondary talent pools through work integrated learning opportunities related to sustainable development¹</p> <p>Program: Talent Development Program</p>	<p>Performance indicator: Number of sustainable development related internships supported through the Mitacs</p> <p>Starting point: 1,482 Mitacs cleantech internships and fellowships (2021-22)</p> <p>Target: More than 1,482 internships are supported through Mitacs annually</p>	<p>Through Mitacs, Canada will continue to support talent development initiatives aimed towards developing and expanding the pool of qualified graduates in science, technology, engineering and mathematics.</p> <p>Relevant targets and ambitions: <i>GIF Target 4.4</i> - By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship</p>

¹ Mitacs is a national, not-for-profit, research organization dedicated to promoting high-quality research and innovation by building linkages between academia and industry through internships.

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.

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>Provide information to help consumers make more sustainable choices</p>	<p>Provide consumers with the information and tools they need to practice informed sustainable consumption and support voluntary action to reduce environmental impacts through the Office of Consumer Affairs (OCA)</p> <p>Program: Marketplace Protection and Promotion Program</p>	<p>Performance indicator: Number of unique visitors accessing the “Be a green consumer” section of the OCA website</p> <p>Starting point: Fiscal year 2020-2021 was the baseline for reporting purposes with 10,519 unique visitors accessing the web offerings</p> <p>Target: 10,500 unique visitors to the “Be a green consumer” section of the OCA website per fiscal year</p>	<p>In 2019, the Office of Consumer Affairs collaborated with Environment and Climate Change Canada (ECCC) to create web content to help Canadians make informed choices about consuming products and services in a manner that is sustainable and environmentally responsible. As part of its ongoing commitment to provide consumers with the information they need to make sustainable choices, ISED’s Office of Consumer Affairs continues to work with key partners to provide information to help consumers make more sustainable choices in the marketplace.</p> <p>For example, in 2022, the OCA collaborated with the Competition Bureau to make important improvements to its Environmental labels and claims (canada.ca) page. The guide, created for informational purposes, provides short descriptions of the common green labels and claims Canadians will see when participating in the marketplace and cautions consumers about greenwashing.</p> <p>Relevant targets and ambitions: <i>GIF Target 4.7</i> - By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others,</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
			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

Initiatives advancing Canada’s implementation of SDG 4 – Quality Education

The following initiatives demonstrate how ISED’s 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>Digital Literacy Exchange Program The Digital Literacy Exchange Program (DLEP) supports not-for-profit organizations in the development and delivery of fundamental digital literacy skills training to Canadians who would benefit from increased participation in the digital economy. The program aims to equip Canadians with the necessary skills to use computers, mobile devices and the Internet safely, securely and effectively.</p>	<p>The DLEP contributes to advancing:</p> <ul style="list-style-type: none"> • Canadian Indicator Framework <ul style="list-style-type: none"> ○ CIF Ambition: Canadians have access to inclusive and quality education throughout their lives • Global Indicator Framework <ul style="list-style-type: none"> ○ Target 4.4: By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship
<p>Cyber Security Innovation Network Program The National Cybersecurity Consortium the lead recipient of the Cybersecurity Innovation Network (CSIN) Program, is diversifying, deepening, and expanding Canada’s cybersecurity pipeline of talent across the country.</p>	<p>The CSIN contributes to advancing:</p> <ul style="list-style-type: none"> • Global Indicator Framework

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
	<ul style="list-style-type: none">○ Target 4.4: By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship



GOAL 5: CHAMPION GENDER EQUALITY

FSDS Context

ISED will champion gender equality by continuing to take action to address barriers to participation in the economy faced by women and gender-diverse people, such as difficulty accessing financing and lack of mentorship opportunities. ISED will also continue to lead the Government of Canada’s 50 – 30 Challenge, which challenges Canadian organizations to increase the representation and inclusion of diverse groups within their workplaces, while highlighting the benefits of giving all Canadians a seat at the table.

To better understand barriers facing women and gender-diverse people, ISED will also continue to work closely with Statistics Canada through Women’s Entrepreneurship Strategy to address data gaps in order to improve the granularity of data on women’s entrepreneurship, and through the Clean Technology Data Strategy to better understand the diversity characteristics (including gender) of Canada’s clean technology 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
<p>Invest in women’s skills, employment, and leadership</p>	<p>Continue to support women-led Canadian clean technology companies in their efforts to develop and demonstrate new environmental technologies that address environmental issues, such as climate change and air, water and soil pollution through Sustainable Development Technology Canada (SDTC)</p> <p>Program: Clean Technology and Clean Growth Program</p>	<p>Performance indicator: Percentage (%) of SD Tech Fund-supported technologies of firms that are majority-led by women</p> <p>Starting point: 26% of firms approved for funding in 2021-2022 were led by women</p> <p>Target: 25% of SD Tech Fund-supported firms are majority-led by women every year</p>	<p>Through SDTC, ISED will work to support women entrepreneurs and women-led businesses. This will contribute to the inclusion of women in the environmental and clean technology sector as well as their leadership within the fast-growing green economy.</p> <p>Relevant targets or ambitions: <i>CIF Ambition 5.2</i> - Gender equality in leadership roles and at all levels of decision-making, <i>CIF Target 5.2.1</i> - Greater representation of women in leadership roles <i>CIF Indicator 5.2.1</i> - Proportion of leadership roles held by women <i>GIF Target 5.5</i> - 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>

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal “Champion gender equality”, 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
<p>Disaggregate data</p>	<p>Publish disaggregated macroeconomic data on the clean technology sector through the Clean Technology Data Strategy (CTDS) to enhance understanding of the social and economic context in which federal clean technology programs operate</p> <p>Program: Clean Technology and Clean Growth</p>	<p>Performance indicator: Release of data on the labour force characteristics of Canada’s environmental and clean technology (ECT) sector as part of the CTDS</p> <p>Starting point: Data on the force characteristics of Canada’s ECT sector has been published annually since 2021</p> <p>Target: Updated data on the labour force characteristics of the ECT sector is released through the Environmental and Clean Technology Products Economic Account (ECTPEA) Human Resources Module (HRM) by the end of each of 2023-24 and 2024-25 fiscal years</p>	<p>The Clean Technology Data Strategy (CTDS) is a joint initiative of ISED and NRCan that collects and publishes macroeconomic, industry (company-level) and public administrative data on Canada’s ECT sector with a view of informing public and private sector decision-making and supporting understanding of the ECT sector landscape and the impact of federal initiatives on Canada’s social and economic priorities, including gender equality. The ECTPEA measures the contribution of the ECT goods and services to the Canadian economy. The ECTPEA HRM provides additional insight into the sector’s role in the economy by disaggregating labour force data (e.g. jobs, compensation) on the basis of diversity characteristics, including sex, Indigenous origin, education, and immigration status, among others.</p> <p>Relevant targets and ambitions:</p> <p><i>GIF target 5.5</i> - 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><i>GIF target 5.b</i> - Enhance the use of enabling technology, in particular information and communications</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
			technology, to promote the empowerment of women
Other	<p>Advance the Women Entrepreneurship Strategy (WES) to increase women entrepreneurs’ access to the skills training, networking, financing and expertise they need to start up, scale up and access new markets. This will help Canada work toward gender equality in entrepreneurship. WES is open to women entrepreneurs in all sectors of the economy</p> <p>Program: Support for Underrepresented Entrepreneurs Program</p>	<p>Performance indicator: Number of participants receiving financial and non-financial support/services funded through the WES</p> <p>Starting point: WES Ecosystem Fund recipients served over 6,800 women entrepreneurs across Canada (2020-21)</p> <p>Target: 6,800 participants annually</p>	<p>By helping women entrepreneurs access business supports, Canada will reduce the gender disparity in entrepreneurship and champion gender equality. The WES contributes to improving women’s economic empowerment and equal participation in economic life. The WES represents nearly \$7 billion in investments and commitments, and positions Canada as a world leader in women entrepreneurship.</p> <p>Relevant targets and ambitions: <i>GIF Target 5.5</i> - 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>

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

The following table describes ISED initiatives that contribute to advancing SDG 5, supplementing information in the tables above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>Standards Council of Canada’s (SCC) Gender Strategy and Workplan The SCC will continue to implement its Gender Strategy and Workplan through a review existing research to identify barriers to female participation in technical committees to determine if further research is needed in the Canadian context and a comparative analysis of female representation in SCC technical committees by sector to assess the gender gap in standards development relative to the Canadian labour force.</p>	<p>SCC’s Gender Strategy and Workplan contributes to advancing:</p> <ul style="list-style-type: none"> • Canadian Indicator Framework <ul style="list-style-type: none"> ○ CIF Ambition: Gender equality in leadership roles and at all levels of decision-making ○ CIF Target: Greater representation of women in leadership roles” • Global Indicator Framework <ul style="list-style-type: none"> ○ 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



GOAL 7: INCREASE CANADIANS' ACCESS TO CLEAN ENERGY

FSDS Context

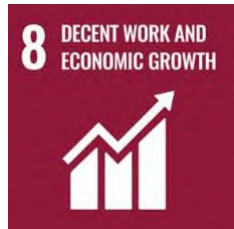
ISED is a strong supporter of Canada’s climate commitments and efforts to transition to a net-zero future in which all Canadians have access to affordable, reliable and sustainable energy. The department provides targeted investments supporting sectors and projects of national economic significance, such as clean technology development, electrification, clean energy (including hydrogen), batteries, critical minerals and electric vehicles through its flagship programs, such as the Strategic Innovation Fund and Sustainable Development Technology Canada.

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

The following table describes ISED initiatives that contribute to advancing SDG 7, including RD&D for clean fuels and energy.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>Sustainable Development Technology Canada Sustainable Development Technology Canada (SDTC) funds the development and demonstration of new technologies that address environmental issues such as climate</p>	<p>SDTC contributes to advancing:</p> <ul style="list-style-type: none"> • Canadian Indicator Framework <ul style="list-style-type: none"> ○ CIF Ambition 7.1: Canadians reduce their energy consumption ○ CIF Ambition 7.3: Canadians have access to clean and renewable energy

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>change, and air, water and soil pollution. This includes technologies within the sectors of energy utilization, clean power generation and next generation biofuels.</p>	<ul style="list-style-type: none"> • <u>Global Indicator Framework</u> <ul style="list-style-type: none"> ○ GIF Target 7.1: By 2030, ensure universal access to affordable, reliable and modern energy services ○ GIF Target 7.2: By 2030, increase substantially the share of renewable energy in the global energy mix ○ GIF Target 7.3: By 2030, double the global rate of improvement in energy efficiency
<p>Strategic Innovation Fund Net-Zero Accelerator</p> <p>The Strategic Innovation Fund (SIF) provides transformative investments in all sectors (including clean technology and energy) of the economy to help Canada prosper in a global and knowledge-based economy. One of the initiatives of the SIF program is the Net Zero Accelerator (NZA). The NZA initiative invites forward-looking Canadian companies to contribute to Canada’s global leadership efforts by meeting its ambitious target of reducing GHG emissions by 40 to 45% by 2030 and achieve net zero by 2050. The NZA supports the Government of Canada’s strengthened climate plan, A Healthy Environment and a Healthy Economy, to deliver a stronger economy that thrives in a low-carbon world to the benefit of all Canadians. With up to \$8 billion in funding to support large-scale investments in key industrial sectors across the country, the NZA ensures that Canada remains competitive in a net-zero economy while also reducing GHG emissions.</p> <p>The SIF NZA funds projects that are in alignment with a net zero economy by 2050 or will enable the transition to a net zero economy by 2050. This means that the SIF NZA could fund projects that generate electricity from non-greenhouse gas emitting sources (for example, electricity from hydrogen combustion rather than fossil fuels). At a program level, it is expected that the SIF/NZA will increase the proportion of electricity generated from renewable and not-greenhouse gas emitting sources.</p>	<p>SIF NZA contributes to advancing:</p> <ul style="list-style-type: none"> • <u>Canadian Indicator Framework</u> <ul style="list-style-type: none"> ○ CIF Ambition 7.1: Canadians reduce their energy consumption ○ CIF Ambition 7.3: Canadians have access to clean and renewable energy • <u>Global Indicator Framework</u> <ul style="list-style-type: none"> ○ GIF Target 7.1: By 2030, ensure universal access to affordable, reliable and modern energy services ○ GIF Target 7.2: By 2030, increase substantially the share of renewable energy in the global energy mix ○ GIF Target 7.3: By 2030, double the global rate of improvement in energy efficiency ○ GIF Target 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



GOAL 8: ENCOURAGE INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH IN CANADA

FSDS Context

ISED will continue to create funding opportunities for Canadian businesses to start, expand, innovate, create jobs and fuel economic growth, through its flagship programs, such as the Strategic Innovation Fund, Sustainable Development Technology Canada, and programs to support underrepresented entrepreneurs, among others. Additionally, ISED will continue to help businesses and entrepreneurs connect to relevant government programs and supports through initiatives like the [Business Benefits Finder Program](#) and Accelerated Growth Service.

One of ISED's ongoing priorities is to shape a more resilient and inclusive Canadian economy by encouraging people and communities from all segments of Canadian society to participate in emerging employment and business opportunities, and ensuring they have the digital connectivity and skills to do so. For example, the Upskilling for Industry Initiative provides funding for scale-up of employer-led, third-party delivered approaches to upskill and redeploy workers to meet the needs of high-growth sectors, such as digital technology, cyber security, agriculture technology, advanced manufacturing, clean technology and biomanufacturing.

ISED will also continue to pursue measures to bridge the digital divide by enabling access to and adoption of digital technologies across Canada, to ensure that everyone across the country can participate in a modern and inclusive

economy. ISED leads Canada's Connectivity Strategy, is a commitment to connect every Canadian to affordable, high-speed Internet no matter where they live, and to improve mobile cellular access from coast to coast to coast. ISED has also established a Memorandum of Understanding with Telesat to secure advanced, new, low-latency Low Earth Orbit satellite capacity to bring reliable high-speed Internet access to the most rural and remote regions of Canada. ISED also continues to provide \$585 million through the [Connect to Innovate Program](#), to support investment in backbone internet infrastructure to 975 communities, including 190 Indigenous communities.

Target theme: Support for workers and business

Target: By 2026, there are at least 245,000 jobs in the cleantech products sector, an increase from 2019 (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
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<p>Support job growth in the clean tech products sector</p>	<p>Continue to support Canadian companies in their efforts to develop and demonstrate new environmental technologies that address environmental issues, such as climate change and air, water and soil pollution through Sustainable Development Technology Canada (SDTC)</p> <p>Programs: Clean Technology and Clean Growth Program</p>	<p>Performance indicator: Number of jobs created by SD Tech Fund-supported technologies</p> <p>Starting point: 4,012 (2021-22)</p> <p>Target: 1,500 jobs created by SD Tech Fund-supported technologies each year</p>	<p>The Sustainable Development Technology Canada (SDTC) SD Tech Fund supports Canadian companies in their efforts to develop and demonstrate new environmental technologies, contributing to clean economic growth, the creation of jobs, and the transition to a low-carbon economy. As of March 31, 2023, SDTC has supported technologies supported \$3.2B in revenues and nearly 24,500 jobs since the inception of the organization in 2001.</p> <p>Relevant targets and ambitions:</p> <p><i>CIF Ambition</i> - Canadians contribute to and benefit from sustainable economic growth</p> <p><i>CIF Indicator 8.6.1</i> - Jobs in the clean technology products sector</p> <p><i>GIF Target 8.3</i> - Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services</p> <p><i>GIF Target 8.4</i> - Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead</p>
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Target theme: Connectivity in Canada

Target: By 2030, ensure that 100% of Canadians have access to broadband speeds of at least 50 Mbps download and 10 Mbps upload (Minister of Rural Economic Development)

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>Invest in broadband capacity across Canada</p>	<p>ISED will continue to deliver programs that support projects to bring reliable, high-speed Internet to Canadians, especially in more rural and remote areas, to help businesses grow, create new jobs and connect more people to the resources, services and information they need to build a better future.</p> <p>Program: Bridging Digital Divides</p>	<p>Performance indicator: Percentage of Canadian households with access to minimum Internet speeds of 50/10 Mbps</p> <p>Starting point: In 2019, 87.4% of Canadian households had access to minimum Internet speeds of 50/10 Mbps</p> <p>Target: 98% of Canadian households will have access to minimum Internet speeds of 50/10 Mbps by December 31, 2026, and 100% by 2030</p>	<p>Strong connectivity and access to high-speed Internet is necessary to live, study and work in today’s digital world, but it is still lacking in many rural, northern and remote communities. Building on existing partnerships with the private sector, provinces, territories, municipalities, Indigenous communities, and official language minority communities, ISED will continue its leadership role under Canada’s Connectivity Strategy to improve access to high-speed Internet services for all Canadians. One key component of the Connectivity Strategy is the Universal Broadband Fund. The Universal Broadband Fund will provide up to \$3.225 billion over 7 years to support broadband projects across Canada. This includes funding for diverse projects, including large scale, high-impact projects as well as projects that provide mobile connectivity to benefit Indigenous peoples.</p> <p>Relevant targets or ambitions: <i>CIF Ambition</i> - Canadians have access to modern and sustainable infrastructure.</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
			<p><i>CIF Target 9.3.1</i> - By 2026, 98% Canadian homes and small businesses have access to Internet at speeds of 50 Mbps download / 10 Mbps upload, with the goal of connecting all Canadians to these speeds by 2030</p> <p><i>GIF Target 9.1</i> - Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all</p>

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.

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>Scale-up employer driven approaches to upskilling through the Upskilling for Industry Initiative (UII) that will help workers, including from underrepresented groups, connect with</p>	<p>Performance indicator: Share of participating firms/employers reporting that trained employees have the skills to fill their business needs as a result of the program each fiscal year (by sector)</p>	<p>The UII is expected to support businesses in identifying the talent they need to adopt clean technologies and help workers connect with new employment opportunities. It directly supports the</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
	<p>new job opportunities and transition into high growth sectors including clean technology.</p> <p>Program: Talent Development Program</p>	<p>Starting point: New program (baseline to be established in 2023-24)</p> <p>Target: 75% of participating firms/employers reporting that trained employees have the skills to fill their business needs as a result of the program by March 31, 2025</p> <hr/> <p>Performance indicator: Share of participating firms/employers reporting business growth and/or other benefits each fiscal year (by sector)</p> <p>Starting point: New program (baseline to be established in 2023-24)</p> <p>Target: 75% of participating firms/employers reporting business growth and/or other benefits by March 31, 2025</p> <hr/> <p>Performance indicator: Number of upskilled workers supported by UII each fiscal year, disaggregated by high growth sector</p> <p>Starting point: New program (baseline to be established in 2023-24)</p>	<p>FSDS goal and SDG 8 (Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all).</p> <p>Relevant targets and ambitions: <i>GIF Target 8.5</i> - By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value</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
		Target: 15-20% of 15,000 participants in the clean technology sector by March 31, 2025	

Initiatives advancing Canada’s implementation of SDG 8 – Decent Work and Economic Growth

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

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS AND AMBITIONS AND/OR GLOBAL TARGETS
<p>ElevateIP ElevateIP was launched in April 2022 and aims to help business accelerators and incubators (BAIs) support start-ups in better understanding and strategically leveraging their intellectual property (IP). Through the program, start-ups will receive expert IP services that will guide them in developing and implementing a tailored IP strategy. Recipient BAIs will also provide IP Awareness and Education activities to start-ups seeking to learn more about the value of IP.</p>	<p>ElevateIP contributes to advancing:</p> <ul style="list-style-type: none"> • Canadian Indicator Framework <ul style="list-style-type: none"> ○ CIF Ambition: Canadians contribute to and benefit from sustainable economic growth • Global Indicator Framework <ul style="list-style-type: none"> ○ GIF Target 8.3: Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services
<p>Accelerated Growth Service The Accelerated Growth Service (AGS) helps entrepreneurs and businesses access the support they need to grow and scale. Whether they are established and growing fast, or a start-up with a lot of potential –AGS’s Innovation Advisors can help them find, and take advantage of, everything that government can do for them – from research support to financing to foreign market expertise. The Advisory Service</p>	<p>AGS contributes to advancing:</p> <ul style="list-style-type: none"> • Canadian Indicator Framework <ul style="list-style-type: none"> ○ CIF Ambition: Canadians have access to quality jobs ○ CIF Ambition: Canadians contribute to and benefit from sustainable economic growth • Global Indicator Framework

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS AND AMBITIONS AND/OR GLOBAL TARGETS
<p>helps businesses find the resources they need to grow, and the Growth Service helps high-growth businesses access the support they need to scale.</p>	<ul style="list-style-type: none"> ○ GIF Target 8.3: Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services
<p>Strategic Innovation Fund</p> <p>The Strategic Innovation Fund (SIF) provides transformative investments in all sectors of the economy to help Canada prosper in a global and knowledge based economy.</p> <p>One of the initiatives of the SIF program is the Net Zero Accelerator (NZA). With up to \$8 billion in funding to support large-scale investments in key industrial sectors across the country, the NZA ensures that Canada remains competitive in a net-zero economy while also reducing GHG emissions. Projects funded under the SIF / NZA will create jobs in the clean technology sectors, contribute to higher levels of economic productivity, as well as encourage the growth of ecosystems of business that include micro, small and medium sized enterprises that form the basis of supply chains of larger projects and investments.</p> <p>Another priority is to expand Canada’s capacity to responsibly produce materials and products that add value to the economy and are needed for Government priorities and initiatives and grow Canada’s critical minerals processing, recycling, and manufacturing capacity, and support domestic integration with the critical minerals value chain. Critical minerals projects create economic growth and jobs for Canadians, particularly in remote communities as many mineral rich soils are found in remote location in northern Canada. They will impact and stimulate Canadian GDP per capita through job creation and increased business activities.</p>	<p>SIF contributes to advancing:</p> <ul style="list-style-type: none"> • Canadian Indicator Framework <ul style="list-style-type: none"> ○ CIF Ambition: Canadians have access to quality jobs ○ CIF Ambition: Canadians contribute to and benefit from sustainable economic growth ○ CIF Indicator 8.6.1: Jobs in the clean technology products sector • Global Indicator Framework <ul style="list-style-type: none"> ○ 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 ○ GIF Target 8.3: Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services ○ GIF Target 8.4: Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead



GOAL 9: FOSTER INNOVATION AND GREEN INFRASTRUCTURE IN CANADA

FSDS Context

ISED is committed to supporting innovation that drives economic growth and ensures the long-term sustainability of Canadian businesses. ISED will continue to provide support for innovation, research and development, and technology adoption through key programs such as the [Strategic Innovation Fund \(SIF\)](#), Canada's five [Global Innovation Clusters](#), and Innovation Solutions Canada (ISC). Collectively, these programs contribute to spurring investments in science and research, attracting anchor firms through foreign investment, and creating innovation ecosystems. Additionally, through [Canada's Intellectual Property \(IP\) Strategy](#), ISED will continue to help Canadian businesses, creators, entrepreneurs and innovators understand, protect and leverage their IP. ISED will also continue to support clean technology innovation and Canada's clean growth policy through the development of codes and standards and ambitious initiatives, such as the SIF Net-Zero Accelerator, Sustainable Development Technology Canada and ISC, which aim to accelerate development and deployment of low-carbon solutions and the growth of existing and emerging sectors of the economy.

Target theme: Green infrastructure and innovation

Target: By 2023 and each year thereafter until 2026, 30% of Sustainable Development Technology Canada’s portfolio of SD Tech Fund-supported technologies are commercialized annually (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
<p>Invest in the deployment and adoption of clean technologies</p>	<p>Support clean technology development and adoption through the innovation procurement programs like Innovative Solutions Canada (ISC) program</p> <p>Program: Business Innovation Program</p>	<p>Performance indicator: % of ISC awards that support clean technology</p> <p>Starting point: Since its launch in 2017, ISC has supported the development of over 150 early-stage projects and pilot demonstration projects in the field of clean technologies.</p> <p>ISC has awarded a total of 131 awards, out of which 22% have been awarded to support Clen Technology</p> <p>Target: ISC aims for 20% of ISC awards that support clean technology¹</p>	<p>ISED supports projects with a significant clean tech adoption or development component through the Innovative Solutions Canada (ISC) program.</p> <p>ISC, together with 21 federal departments/agencies, supports the scale-up and growth of small and medium-sized enterprises (SMEs) by funding proposed solutions of early-stage and pre-commercial prototypes.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canada fosters sustainable research and innovation <i>CIF Indicator 9.1.1</i> - Proportion of innovation in environment-related technology</p>
	<p>Continue to support Canadian companies in their efforts to develop and demonstrate new environmental technologies that address environmental issues, such as climate change and air, water and soil pollution through Sustainable Development Technology Canada (SDTC)</p>	<p>Performance indicator: Percentage (%) of SD Tech-Fund-supported technologies in the given fiscal year that are commercialized (revenue derived from project technology)</p>	<p>By supporting Canadian companies in their efforts to develop and demonstrate new environmental technologies, SDTC’s SD Tech Fund has contributed to clean economic growth and the transition to a low-carbon economy. As of March 31, 2023, SDTC has supported more than 750 clean technology projects with \$1.6 billion,</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
	<p>Program: Clean Technology and Clean Growth Program</p>	<p>Starting point: As of March 31, 2022, 33% of SDTC’s portfolio entered or was ready to enter the market.</p> <p>Target: 30% of all SD Tech Fund-supported technologies are commercialized each year</p>	<p>contributing to the deployment of 223 clean technologies.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canada fosters sustainable research and innovation <i>CIF Indicator 9.1.1</i> - Proportion of innovation in environment-related technology <i>GIF Target 9.4</i> - 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>
<p>Invest in research, development and demonstration of clean energy technologies</p>	<p>Continue to support Canadian companies in their efforts to develop and demonstrate new environmental technologies that address environmental issues, such as climate change and air, water and soil pollution through Sustainable Development Technology Canada (SDTC).</p> <p>Program: Clean Technology and Clean Growth Program</p>	<p>Performance indicator: Number of new clean technology projects approved for funding</p> <p>Starting point: 109 new clean technology projects approved (FY 2021-22)</p> <p>Target: At least 100 new projects and major modifications to existing projects are approved annually</p> <p>Performance indicator: Total funding allocated to sustainable development projects annually</p>	<p>By supporting Canadian companies in their efforts to develop and demonstrate new environmental technologies, SDTC’s SD Tech Fund contributes to clean economic growth and the transition to a low-carbon economy. As of March 31, 2023, SDTC has supported more than 750 clean technology projects with \$1.6 billion, contributing to the deployment of 223 clean technologies.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canada fosters sustainable research and innovation</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
		<p>Starting point: \$176 million (FY 2021-22)</p> <p>Target: \$190 million is allocated to approved projects annually</p>	<p><i>CIF Indicator 9.1.1</i> - Proportion of innovation in environment-related technology</p> <p><i>GIF Target 9.4</i> - 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 all countries taking action in accordance with their respective capabilities</p>
	<p>Continue to invest in research, development and demonstration of clean technologies through the Strategic Innovation Fund (SIF) Net-Zero Accelerator (NZA)</p> <p>Program: Business Innovation Program</p>	<p>Performance Indicator: Average percentage growth in R&D expenditures over pre-project baseline for SIF stream 1-3 recipients with NZA projects in their work phase²</p> <p>Starting point: 22% growth in R&D expenditures, for SIF stream 1-3 recipients with NZA projects – baseline (pre-project) data (2021)²</p> <p>Target: Greater than 22% growth in R&D expenditures, for SIF streams 1-3 recipients with NZA projects in the work phase</p>	<p>SIF provides transformative investments in all sectors of the economy to help Canada prosper in a global and knowledge-based economy. Key program objectives include:</p> <ul style="list-style-type: none"> - encouraging businesses to invest in research & development (R&D) - activities that lead to technology transfer and commercialization of new products, processes and services accelerating the growth and expansion of innovative businesses in Canada - attracting and retaining large-scale investments to Canada - advancing networks of collaboration between the private sector, research institutions and non-profit organizations

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>in key emerging technology sectors and in industrial R&D and commercialization</p> <p>One of the initiatives of the SIF program is the Net Zero Accelerator (NZA). The NZA initiative invites forward-looking Canadian companies to contribute to Canada's global leadership efforts by meeting its ambitious target of reducing GHG emissions by 40 to 45% by 2030, and achieve net zero by 2050. The NZA supports the Government of Canada's strengthened climate plan, A Healthy Environment and a Healthy Economy, to deliver a stronger economy that thrives in a low-carbon world to the benefit of all Canadians.</p> <p>All SIF / NZA funded projects require a level of innovation, including in environment-related technology and expenditure on R&D. SIF projects can also support infrastructures.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canada fosters sustainable research and innovation <i>GIF Target 9.1</i> - Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with</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
			a focus on affordable and equitable access for all <i>GIF Target 9.4:</i> 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>GIF Target 9.5 -</i> 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

¹ Due to challenges associated with being dependant on departmental needs, and the open nature of Testing Stream Calls for Proposals, ISC cannot control the number or ratio of clean technology proposals it receives.

² The indicator consists of a calculation of the growth rate of R&D expenditures, from a 3-year pre-project baseline to a point in time during a project’s work phase. This growth rate is then averaged across SIF NZA projects. The starting point is based on 1 year of preliminary data from 6 NZA projects (2021) and is subject to change as more data is collected.

Target: By fiscal year 2027 to 2028, the federal share of the value of green infrastructure projects approved under the Investing in Canada Plan will reach \$27.6 billion (Minister of Intergovernmental Affairs, Infrastructure and Communities)

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 climate-resilient codes and standards</p>	<p>The Standards Council of Canada will contribute to ensuring that Canadian infrastructure can weather the effects of climate change through the Standards to Support Resilience in Infrastructure Program (SSRIP)</p> <p>Program: Standards to Support Resilience in Infrastructure Program</p>	<p>Performance indicator: Number of standardization strategies developed through the SSRIP</p> <p>Starting point: 42 standardization strategies were advanced from 2016-2021</p> <p>Target: 36 standardization strategies to be advanced by 2026</p>	<p>The SSRIP supports the development of standardized tools to boost infrastructure resilience and support stronger communities in Canada through new or existing climate-resilient core public infrastructure and communities.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians have access to modern and sustainable infrastructure <i>GIF Target 9.1</i> - Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all</p>

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 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
<p>Develop knowledge of clean technologies</p>	<p>Support Canada’s clean technology companies with standards-based solutions to make them competitive and help Canada reach its net-zero targets</p> <p>Program: Standards Council of Canada</p>	<p>Performance indicator: Number of standardization strategies developed</p> <p>Starting point: 2 (2022-23)</p> <p>Target: Development of a standards-based solution to incorporate low-carbon innovations into industry standards in 2023-24</p>	<p>Encourage businesses and organizations to adopt clean technologies and practices</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians have access to modern and sustainable infrastructure <i>GIF Target 9.1</i> - Develop quality, reliable, sustainable and resilient infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all <i>GIF Target 9.4</i> - 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>

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>Continue to advance the administrative data component of the Clean Technology Data Strategy (CTDS)</p> <p>Program: Clean Technology and Clean Growth Program</p>	<p>Performance indicator: Percentage (%) of clean technology programs whose data is consolidated into a Government of Canada database on clean technology</p> <p>Starting point: 87% (2022-23)</p> <p>Target: 100% annually beginning in 2023-24</p>	<p>The Clean Technology Data Strategy aims to ensure data is available to understand the economic and environmental contribution of clean technologies in Canada. Better data strengthens the evidence-base for decisions, improves the understanding of the emerging clean technology landscape, and ensures the creation of impactful policies and programs to support the production and adoption of clean technology.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canada fosters sustainable research and innovation</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
	<p>Increase awareness and effective use of intellectual property (IP) by Canadian innovators and businesses operating in the clean technology sector through targeted IP literacy initiatives under the Canadian Intellectual Property Office (CIPO) IP Awareness and Education Program</p> <p>Program: Intellectual Property Program</p>	<p>Performance indicator:</p> <ul style="list-style-type: none"> • Number of seminars and webinars • Number of events attended • Number of one-on-one meetings with SMEs <p>Starting points: In 2019-20 FY:</p> <ul style="list-style-type: none"> • Presentations – 2 • Events – 3 • One-on-one meetings – 34 <p>Target: Increase clean technology engagement to pre-pandemic levels in alignment with the CIPO 5 Year Business Strategy and IP Outreach budget augmentation. Target is to increase engagement by 25% by 2027</p>	<p>Through its IP Awareness and Education Program, CIPO will develop knowledge and understanding of the impact and benefits of clean technologies. CIPO supports the clean technology sector by providing specialized resources on how to leverage IP as part of their business and growth strategy. The program provides businesses with free access to: products and services to better acquire, manage and leverage their IP assets; a suite of seminars and training services for businesses and intermediaries; a network of supports that include online and in-person services. More specifically, CIPO has and will continue to develop fact sheets, checklists, web content, success stories, and presentations for the clean technology sector.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canada fosters sustainable research and innovation <i>Indicator</i> - Proportion of innovation in environment-related technology <i>GIF Target 9.5</i>; 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</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
			workers per 1 million people and public and private research and development spending

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 National Standards Strategy</p>	<p>Focus and enhance the standardization system’s readiness and responsiveness to emerging needs and government priorities in all areas related to sustainable development</p> <p>Program: Standards Council of Canada</p>	<p>Performance indicator: Number of National Standards Strategy implementation plans in areas that support the FSDS and DSOS and the SDGs</p> <p>Starting point: 0 (2022-23)</p> <p>Target: 1 (one) implementation plan for the National Standards Strategy is developed by March 31, 2024</p>	<p>Through National Standards Strategy (NSS) standardization initiatives, the SCC will enhance Canada’s response to climate change challenges and assist in meeting Canada’s Paris targets.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians have access to modern and sustainable infrastructure <i>GIF Target 9.1</i> - Develop quality, reliable, sustainable and resilient infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all <i>GIF Target 9.4</i> – 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>
<p>Support voluntary action to adopt clean technologies</p>	<p>Measurement Canada, in collaboration with other departments involved in the Zero-Emission Vehicle Strategy, will develop its technical expertise for the approval of new trade measurement technologies as well as implement a new inspection program for these devices to protect the interest of all Canadians.</p>	<p>Performance indicator: Number of trade measurement charging and refuelling devices approved in Canada</p> <p>Starting point: Fall 2020 initiating Measurement Canada preliminary planning and technical needs for approval and inspection of ZEV measuring devices</p>	<p>EV charging device type approvals and inspections of EV charging stations will protect Canadians and increase their confidence in marketplace transactions by establishing minimum levels of accuracy and compliance to which all EV charging station operators must comply. This will support consumer confidence and the growth of ZEV representation in the</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
	<p>Program: Marketplace Protection and Promotion Program</p>	<p>Target: To be determined based on funding and success of ZEV programs (Federal, Provincial) and deployment of ZEV into the Canadian marketplace</p> <p>Performance indicator: Number of compliant trade measurement charging and refuelling devices in Canadian marketplace</p> <p>Starting point: Fall 2020 initiating Measurement Canada preliminary planning and technical needs for approval and inspection of ZEV measuring devices</p> <p>Target: To be determined based on funding and success of ZEV programs (Federal, Provincial) and deployment of ZEV into the Canadian marketplace</p>	<p>marketplace and reduction in greenhouse gases.</p> <p>Measurement Canada in collaboration with industry stakeholders and other international jurisdictions has developed type approval requirements for level 1 and level 2 AC EV chargers and is currently developing requirements for level 3+ DC chargers. Temporary dispensation programs were also introduced to permit EV chargers to bill by the amount of energy (kWh) delivered during an EV charge</p> <p>Relevant targets and ambitions: <i>CIF Target 9.6.1</i> - By March 31, 2024, a total of 1,000 EV Chargers, 22 natural gas stations, and 15 hydrogen stations along major highways, freight corridors and key metropolitan centres are under development and completed <i>CIF Target 9.7.1</i> - By March 31, 2026, 20,000 chargers in public places, on-street, at apartment buildings, retail outlets, and the workplace are under development and completed <i>CIF Indicator 9.6.1</i> - Number of low carbon recharging and refueling stations under development and completed along major highways, and in rural and urban areas across Canada</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
			<p><i>CIF Indicator 9.7.1</i> - Number of low carbon recharging and refueling stations under development and completed in public places, on-street, at apartment buildings, retail outlets, and the workplace</p>
<p>Other</p>	<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: Clean Technology and Clean Growth Program</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% (2022)</p> <p>Target: 70% by the end of 2026</p>	<p>Together, NRCan and ISED co-lead the Clean Growth Hub to provide a single point of contact for clean technology producers and adopters, streamlining services and access to government knowledge and expertise and improving information sharing between federal departments. By helping clean technology stakeholders understand the federal system of supports and services through engagements and collaborations, the Clean Growth Hub helps them take their technologies from the laboratory to foreign markets and supports Canada’s transition to a low-carbon economy.</p> <p>Relevant Targets and ambitions: <i>CIF Ambition</i> - Canada fosters sustainable research and innovation <i>GIF Target 9.5</i> - 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</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
			and private research and development spending

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

The following table describes ISED initiatives that contribute to advancing SDG 9, supplementing information in the tables above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>Roadmap to Net-Zero Carbon Concrete by 2050 The Roadmap to Net-Zero Carbon Concrete and Action Plan to 2030 were developed through a joint industry-government working group, co-ed by ISED and the Cement Association of Canada. The Roadmap describes immediate and longer-term decarbonization actions to reduce emissions across the cement and concrete value chain and sets out a sector commitment to achieve, cumulatively, 15 million tonnes of greenhouse gas (GHG) emissions reductions in Canada by 2030, with ongoing additional reductions of over 4 million tonnes in GHG annually thereafter, attributable to specific core decarbonization activities. The Roadmap’s Action Plan sets out Government of Canada and industry actions that aim to (1) drive Canadian market development, (2) drive innovation and transition within industry, and (3) position Canada as a world leader. Progress on the action items is monitored and reported on annually via a Steering Committee and four implementation sub-committees, comprising representatives from both industry and government.</p>	<p>Implementation of the <i>Roadmap Action Plan to 2030</i> contributes to advancing:</p> <ul style="list-style-type: none"> • Canadian Indicator Framework <ul style="list-style-type: none"> ○ CIF Ambition: Canada fosters sustainable research and innovation ○ CIF Indicator 9.1.1: Proportion of innovation in environment-related technology ○ CIF Indicator 9.2.1: Gross domestic expenditure on research and development intensity ○ Indicator 9.5.1: Greenhouse gas emissions per dollar of value-added from the production of infrastructure assets • Global Indicator Framework <ul style="list-style-type: none"> ○ 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 acting in accordance with their respective capabilities
<p>Cyber Security Innovation Network (CSIN) Program The National Cybersecurity Consortium (NCC), the lead recipient of the Cyber Security Innovation Network (CSIN) program, is expanding cyber security research and</p>	<p>The CSIN contributes to advancing:</p> <ul style="list-style-type: none"> • Canadian Indicator Framework <ul style="list-style-type: none"> ○ CIF Ambition: Canada fosters sustainable research and innovation

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS OR AMBITIONS AND/OR GLOBAL TARGETS
<p>development and increasing commercialization of cyber security products, services and/or processes.</p>	<ul style="list-style-type: none"> • <u>Global Indicator Framework</u> <ul style="list-style-type: none"> ○ 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
<p>World Intellectual Property Organization (WIPO) GREEN Network The Canadian Intellectual Property Office (CIPO) will continue to collaborate with WIPO GREEN to promote innovation and the diffusion of green technologies, CIPO will contribute to clean growth by buttressing the Canadian clean technology presence in the WIPO GREEN network. The WIPO GREEN network facilitates commercial relationships and transactions by connecting green technology providers and seekers through its online database and matchmaking initiatives.</p>	<p>CIPO collaboration with WIPO Green contributes to advancing:</p> <ul style="list-style-type: none"> • <u>Canadian Indicator Framework</u> <ul style="list-style-type: none"> ○ CIF Ambition: Canada fosters sustainable research and innovation ○ CIF Target 9.1.1: Proportion of innovation in environment-related technology • <u>Global Indicator Framework</u> <ul style="list-style-type: none"> ○ 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
<p>Canadian Intellectual Property Office CIPO will improve understanding of the clean technology landscape by publishing a blog on the National Research Council (NRC) Materials for Clean Fuels (MCF) Challenge on CIPO’s website, including a patent search strategy. This report presents the Canadian and global patenting trends by international and Canadian institutions for two research thrusts, CO₂ conversion and hydrogen production, over a 20-year timeframe (2001-2020). CIPO will also continue to improve its understanding of the clean technology landscape in Canada by developing metrics related to sub-technologies of interest to the Government of Canada, as defined in the Survey of Environmental Goods and Services.</p>	<p>CIPO’s work to develop understanding of Canada’s clean technology landscape contributes to advancing:</p> <ul style="list-style-type: none"> • <u>Canadian Indicator Framework</u> <ul style="list-style-type: none"> ○ CIF Ambition: Canada fosters sustainable research and innovation • <u>Global Indicator Framework</u> <ul style="list-style-type: none"> ○ 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



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

FSDS Context

ISED is working to ensure that Canada’s business landscape reflects the diversity of the country through programs such as the Black Entrepreneurship Fund, the Women’s Entrepreneurship Strategy, [Futurpreneur](#). ISED is also deeply committed to supporting Indigenous reconciliation and implementation of the *United Nations Declaration on the Rights of Indigenous Peoples*, including supporting increased participation of Indigenous Peoples in the economy through targeted funding, like the Indigenous Tourism Fund, and its work to promote a more inclusive intellectual property system for Indigenous Peoples as part of [UNDA Action Plan](#).

ISED is also showing leadership in promoting diversity and inclusion within the federal public service itself, including by setting targets to meet or surpass the workforce availability for women, Indigenous persons, persons with a disability, and members of a visible minority groups. Additionally, ISED programs will be applying a GBA Plus lens through the implementation of an Equity, Diversity, and Inclusion (EDI) Framework. Programs will incorporate EDI requirements to promote the participation of underrepresented groups in operations, activities, and network governance, particularly in the selection committees for projects and the composition of Boards and senior management.

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)

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 United Nations Declaration on the Rights of Indigenous Peoples Act</p>	<p>Promote a more inclusive IP system for Indigenous Peoples as part of UNDA Action Plan Measure 101</p> <p>Program: Intellectual Property Program</p>	<p>Performance indicator: Cooperation and consultations with Indigenous Partners</p> <p>Starting point: 0 (2023)</p> <p>Target: 1-3 consultations by 2025</p>	<p>ISED is committed to reconciliation, a recognition of Indigenous rights and implementation of the United Nations Declaration on the Rights of Indigenous Peoples Act, which includes a review of national intellectual property regimes.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians live free of discrimination and inequalities are reduced <i>GIF Target 10.2</i> - By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status <i>GIF Target 10.4</i> - Adopt policies, especially fiscal, wage and social protection policies, and progressively achieve greater equality</p>
	<p>Promote a more inclusive intellectual property (IP) system for Indigenous Peoples by raising awareness about IP through the Indigenous Intellectual Property Program (IIPP)</p>	<p>Performance indicator: Percentage (%) of available funding distributed through the IIPP annually</p> <p>Starting point: 98% (2022-23)</p>	<p>The Indigenous Intellectual Property Program (IIPP) grant is designed to support increased engagement in the intellectual property (IP) system by Indigenous peoples in Canada. The grant</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
	<p>Program: Intellectual Property Program</p>	<p>Target: 95% of available IIPP funds are distributed each fiscal year</p>	<p>funds eligible Indigenous organizations to support participation in World Intellectual Property Organization sessions, small-scale initiatives and projects related to intellectual property, Indigenous Knowledge and Indigenous Cultural Expressions.</p> <p>The IIPP is part of the broader Intellectual Property Strategy under the Government of Canada's Innovation and Skills Plan and builds on commitments to reconciliation, a recognition of Indigenous rights and implementation of the <i>United Nations Declaration on the Rights of Indigenous Peoples Act</i>.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians live free of discrimination and inequalities are reduced <i>GIF Target 10.2</i> - By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status <i>GIF Target 10.4</i> - Adopt policies, especially fiscal, wage and social protection policies, and progressively achieve greater equality</p>

Target theme: Taking action on inequality

Target: Each year, the federal public service meets or surpasses the workforce availability for women, Indigenous persons, persons with a disability, and members of a visible minority (President of the Treasury Board)

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>Foster diversity, inclusion and accessibility in the federal public service</p>	<p>Continue to apply an equity, diversity and inclusion (EDI) lens to CIPO’s People Management Strategy to ensure employment equity (EE) groups, including women and other groups, are reflected at all levels in the organization and representative of the Canadian population CIPO serves</p> <p>Program: Intellectual Property Program</p>	<p>Performance indicator: Increased EE workforce representation, specifically women, indigenous people and persons with disabilities</p> <p>Starting point: EE representation at CIPO as of Q4-2022-23:</p> <ul style="list-style-type: none"> ▪ Women: 49.5% ▪ Indigenous People: 1.4% ▪ Persons with disabilities: 4% <p>Target: Meet Labour Market Availability (LMA) quarterly</p>	<p>CIPO’s People Management Strategy supports a more equitable, diverse, inclusive and accessible workplace through adopting a no-barrier recruitment approach to improve EE representation and to provide employees from EE groups with equitable leadership development opportunities.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians live free of discrimination and inequalities are reduced <i>GIF Targets 10.4</i> - Adopt policies, especially fiscal, wage, social protection policies, and progressively achieve greater equality</p>

Implementation strategies supporting the goal

This section is for implementation strategies that support the goal “Advance reconciliation with Indigenous Peoples and take action on inequality” 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
<p>Support economic development and entrepreneurship in Indigenous communities</p>	<p>Provide support to the Indigenous tourism industry to recover from the pandemic and position itself for long-term, sustainable growth through the Indigenous Tourism Fund: Micro and Small Business Stream</p> <p>Program: Tourism Program</p>	<p>Performance indicator: Value of investment in Indigenous tourism businesses</p> <p>Starting point: New program (2023-24)</p> <p>Target: \$8 million by the end of 2024-25 fiscal year</p>	<p>The Micro and Small Business Stream of the Indigenous Tourism Fund aims to support the recovery and growth of the Indigenous tourism industry beyond pre-pandemic levels, while advancing reconciliation. The performance indicators for this initiative focus on measuring program results related to Indigenous businesses’ access to the program, and post-pandemic economic recovery and growth of individual Indigenous tourism businesses and, the Indigenous tourism industry. This action contributes to the economic development and entrepreneurship in Indigenous communities.</p> <p>Relevant targets and ambitions: <i>GIF Target 10.2</i> - By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status</p>
		<p>Performance indicator: Number of Indigenous tourism businesses that receive funding through the Indigenous Tourism Fund</p> <p>Starting point: New program (2023-24)</p> <p>Target: 320 over 2023-24 and 2024-25</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
<p>Implement the 50-30 Challenge</p>	<p>Harnessing the power of Canada’s diversity and supporting organizations in building a more equitable and inclusive workforce through the 50 – 30 Challenge</p> <p>Program: Support for Underrepresented Entrepreneurs Program</p>	<p>Performance indicator: Number of organizations (based on size, geography, sector) that sign up to the 50-30 Challenge</p> <p>Starting point: Starting point: 2,138 organizations have signed on to support the 50 – 30 Challenge (since December 2020)</p> <p>Target: n/a ¹</p>	<p>The departmental action offers tangible actions, strategies, and recommendations for incorporating diversity, equity, and inclusion in Canadian organizations and overall reducing inequality in Canada.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians live free of discrimination and inequalities are reduced <i>CIF Indicator 10.1.1</i> - Gini Coefficient² <i>GIF Target 10.2</i> - By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status</p>
<p>Support entrepreneurship and community development in Black communities</p>	<p>Through the Black Entrepreneurship Program (BEP) ISED will help Black Canadian business owners and entrepreneurs grow their businesses and succeed now and into the future.</p> <p>Program: Support for Underrepresented Entrepreneurs Program</p>	<p>Performance indicator: Number of Canadian Black entrepreneurs and business owners receiving financial and non-financial services funded through the BEP</p> <p>Starting point: The BEP loan fund disbursed over \$17 million in support of 180 loans (2022-23). The Ecosystem Fund, administered by the Regional Development Agencies (RDAs) invested \$100 million in support of forty-four (44) not-for-profit organizations across the country (2021-23), that provided services to over 5,000 Black-led businesses across the country.</p>	<p>By providing targeted support to help Black entrepreneurs and business owners access capital and business support services, Canada will reduce the systemic barriers faced by this target group, while enhancing overall sustainability and broader economic and social benefits. The BEP is an investment of \$265 million, including \$130 million commitment from the Business Development Bank of Canada aimed at providing targeted support to help Black entrepreneurs and business owners access capital and business support services, while laying a foundation to conduct research on the state of Black entrepreneurship in Canada.</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
		<p>Target: Maintain baseline or increase the number of recipients receiving support annually</p>	<p>Relevant targets and ambitions: <i>GIF Target 10.2</i> – By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status</p>

¹ Target not available.

² The Gini coefficient is a number between zero and one that measures the relative degree of inequality in the distribution of income.

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

The following table describes ISED initiatives that contribute to advancing SDG 10, supplementing information in the tables above.

ONGOING AND PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS AND AMBITIONS AND/OR GLOBAL TARGETS
<p>Accelerated Growth Services The Accelerated Growth Service (AGS) helps entrepreneurs and businesses (access the support they need to grow and scale. Whether they are established and growing fast, or a start-up with a lot of potential – AGS’s Innovation Advisors can help them find, and take advantage of, everything that government can do for them – from research support to financing to foreign market expertise. AGS recently hired Innovation Advisors to work exclusively with Indigenous businesses.</p>	<p>AGS contributes to advancing:</p> <ul style="list-style-type: none"> • Canadian Indicator Framework <ul style="list-style-type: none"> ○ CIF Ambition: Canadians live free of discrimination and inequalities are reduced • Global Indicator Framework <ul style="list-style-type: none"> ○ GIF Target 10.2 - By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status



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

FSDS Context

ISED is taking important steps to green its operations in line with the federal [Greening Government Strategy](#). These steps include work to divert waste from landfills and promote green procurement practices, reduce emissions from real property and transform the department's fleet to zero-emission vehicles.

While primarily a lessee, ISED owns two sets of real property assets: a national Remote Spectrum Monitoring Network, and the Shirley's Bay Campus, which comprises several ISED buildings. Through various business units, ISED also owns and operates a fleet of approximately 300 vehicles.

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
<p>Maximize diversion of waste from landfill</p>	<p>ISED will continue to divert waste from landfills through implementation of the Computers for Schools Plus (CFS+) Program</p> <p>Program: Bridging Digital Divides</p>	<p>Performance indicator: Number of refurbished computers distributed</p> <p>Starting point: 58,805 (2022-23)</p> <p>Target:¹</p> <ul style="list-style-type: none"> • FY 2023-24: 60,000 • FY 2024-25: 60,000 • FY 2025-26: 60,000 • FY 2026-27: 60,000 	<p>The CFS+ Program cooperates with partners across Canada to extend the useful lifespan of federal government and other donors' assets through refurbishment and redistribution to schools, libraries, not-for-profits, Indigenous communities and low-income Canadians. Extending the usable lifespan of devices reduces the environmental footprint of the federal government and its donating partners. Furthermore, where refurbishing is not feasible, the program facilitates the recycling of computers through approved recycling organizations, which reduces the use of landfill space, creates less toxic chemical emissions and encourages the reuse of raw materials for other products, thus reducing the environmental footprint of the federal government. The CFS+ program contributes to Canadian and global climate action targets and goals, as extending the usable lifespan of devices is the most effective way to reduce their overall impact on the environment. CFS+ is also providing computers through the Connecting Families initiative.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians consume in a sustainable manner</p>
		<p>Performance indicator: Tonnage of computers, laptops, monitors, printers and other equipment that is reused in the refurbishment process</p> <p>Starting point: 465 tonnes (2022-23)</p> <p>Target: 1,300 tonnes over 4 years (2023-24 to 2026-27)¹</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
			GIF Target 12.5 - By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse

¹Note: Evolution of IT equipment has led to smaller, lighter weight devices which have led to a reduction in tonnes of waste diverted through the program, but not a reduction in overall numbers of refurbished IT equipment distributed.

Target: By 2030, the Government of Canada will divert from landfill at least 90% by weight of all construction and demolition 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 landfill	<p>Construction and demolition waste (where applicable) from the decommissioning of ISED's remote spectrum monitoring sites will be diverted away from landfill sites where practically and economically feasible</p> <p>Program: Spectrum and Telecommunications Program</p>	<p>Performance indicator: Percentage (%) by weight of construction and demolition waste diverted from decommissioning of spectrum monitoring sites</p> <p>Starting point: N/A¹</p> <p>Target: By 2030, ISED will divert from landfill at least 90% by weight of all construction and demolition waste</p>	<p>Requirements for diversion will be published in appropriate tenders with bidders required to respond to how much waste they will be able to divert and how they will accomplish this.</p> <p>The target of diverting at least 90% by weight of all construction and demolition waste from landfills and striving to achieve 100% by 2030 minimizing environmentally harmful and hazardous chemicals and materials used and disposed of in real property operations.</p> <p>Relevant targets and ambitions:</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
			<i>GIF Target 12.5</i> - By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse

¹ Based on requirement only. During real property disposal process, when a contaminated site is identified, and remediation is recommended (not yearly/constant)

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>100% of ISED’s new light-duty fleet purchases will be zero-emission vehicles (ZEVs)¹</p> <p>Program: Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management</p>	<p>Performance indicator: Percentage (%) of new light duty vehicles that are ZEVs Starting point: 11.4% (April 1, 2023)</p> <p>Target: 100% of ISED’s annual light duty vehicle purchases are ZEVs¹</p>	<p>ISED’s Green Land Vehicle Policy, outlines the requirements for all new light duty vehicle purchases to be ZEV’s. This supports FSDS Goal 12 and the Net-Zero Procurement Target. The Policy also aligns with the federal Greening Government Strategy, which mandates that at least 75% of new light-duty fleet vehicle purchases will be ZEVs or hybrid vehicles, with the objective of making the government’s light-duty fleet comprise 100% ZEVs by 2030. Priority is to be given to purchasing ZEVs.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i>- Canadians consume in a sustainable manner</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
			<i>GIF Target 12.7</i> - Promote public procurement practices that are sustainable, in accordance with national policies and priorities

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>Strengthen green procurement criteria</p>	<p>Require all contracting and purchasing authorities to take Green Procurement Training through the Canada School of Public Service (CSPS)</p> <p>Program: Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management</p>	<p>Performance indicator: Percentage (%) of new employees who take Green Procurement Course C215 from the CSPS</p> <p>Starting point: 100% (March 31, 2015)</p> <p>Target: 100% of new ISED procurement and materiel management specialists take green procurement training each fiscal year</p>	<p>By requiring employees to take green procurement training, support for green procurement will be strengthened.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians consume in a sustainable manner <i>GIF Target 12.7</i> - Promote public procurement practices that are sustainable, in accordance with national policies and priorities</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
	<p>Engage key stakeholders to develop green procurement criteria for future ISED issued (non-Public Services and Procurement Canada (PSPC) or Shared Services Canada (SSC)) procurements, for inclusion during the bid solicitations and evaluation stages. ISED will assess to determine if a method to report on the performance indicator is viable</p> <p>Program: Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management</p>	<p>Performance indicator: <u>Year 1</u> – Establishment of green procurement criteria for future ISED issued procurements (excluding PSPC or SSC-issued contracts) <u>Year 2 and 3</u> – Percentage (%) of ISED-issued contracts that include green procurement criteria annually.</p> <p>Starting point: No green procurement criteria is currently included in ISED issued contracts (April 1, 2023)</p> <p>Targets: <u>Year 1</u> – By March 31, 2024, ISED's green procurement criteria will be finalised and approved by all key stakeholders. Additionally, a report methodology will be created to enable data collection. <u>Years 2 and 3</u> – Starting on April 1st, 2024, 100% of ISED-issued contracts will include green procurement criteria.</p>	<p>Including green procurement criteria for future ISED-issued (non PSPC or SSC) procurements² will strengthen green procurement and help reduce greenhouse gas emissions (GHGs) for goods and services that have a high environmental impact. This departmental action aligns with the federal <i>Greening Government Strategy</i>, which provides that the Government of Canada will aid the transition to a net-zero, circular economy through green procurement that includes life-cycle assessment principles and the adoption of clean technologies and green products and services by including criteria that address GHG emissions reduction, sustainable plastics and broader environmental benefits into procurements by departments for goods and services that have a high environmental impact</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians consume in a sustainable manner <i>GIF Target 12.7</i> - Promote public procurement practices that are sustainable, in accordance with national policies and priorities</p>

¹ Where vehicles are available and where operational needs permit.

² Note: The majority of ISED contracts are issued by PSPC and SSC and these contracts contain green procurement criteria.

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 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
<p>Work with partners in the transportation sector</p>	<p>Support the development of a domestic zero-emission and battery ecosystem in Canada, through the Strategic Innovation Fund (SIF) Net-Zero Accelerator (NZA).</p> <p>Program: Business Innovation Program</p>	<p>Performance indicator: Average year-over-year employment growth for Strategic Innovation Fund Streams 1-3 funding recipients with battery and zero-emission vehicles projects in the work phase exceeds average pre-project year-over-year employment growth rate baseline¹</p> <p>Starting point: 6.2% year-over-year employment growth rate (2021)¹</p> <p>Target: Greater than 6.2% year-over-year employment growth for SIF streams 1-3 recipients with battery and zero-emission vehicles projects in the work phase</p>	<p>SIF provides transformative investments in all sectors of the economy to help Canada prosper in a global and knowledge based economy. One of the initiatives of the SIF program is the Net Zero Accelerator (NZA). The NZA initiative invites forward-looking Canadian companies to contribute to Canada's global leadership efforts by meeting its ambitious target of reducing GHG emissions by 40 to 45% by 2030, and achieve net zero by 2050.</p> <p>Another priority is to support the creation of a domestic battery ecosystem and supply chain in Canada. Leveraging Canada’s advantage in abundant critical minerals and a strong automotive sector, SIF’s investments are laying the foundation for a domestic zero-emission vehicles and battery manufacturing capacity in Canada.</p> <p>Relevant targets and ambitions:</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
			<p><i>CIF Ambition</i> – Canadians consume in a sustainable manner</p> <p><i>CIF Target 12.1.1</i> – Zero-emission vehicles represent 10% of new light duty vehicle sales by 2025, 30% by 2030 and 100% by 2040</p>

¹ The indicator consists of a calculation of the growth rate of company-wide employment, from a 3-year pre-project baseline to a point in time during a project’s work phase. This growth rate is then averaged across SIF NZA projects. The starting point is based on 1 year of preliminary data from 6 NZA projects (2021) and is subject to change as data on battery and zero-emission vehicles projects are not yet available. Data is subject to change as more data is collected.

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

The following table describes ISED initiatives that contribute to advancing SDG 12, supplementing information in the tables above.

ONGOING AND PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS AND AMBITIONS AND/OR GLOBAL TARGETS
<p>Competition Bureau</p> <p>The Competition Bureau uses enforcement and promotion to inform Canadian consumers about greenwashing and environmental claims, and businesses about their obligations under the <i>Competition Act</i>, the <i>Consumer Packaging and Labelling Act</i> and the <i>Textile Labelling Act</i> in relation to these topics.</p> <p>The Bureau publishes social media posts featuring specific examples supporting sustainable consumer choice, such as examples of what greenwashing can look like, what to watch out for in specific industry sectors, and how consumers can leverage pro-competitive policies, such as the “right to repair”. The Bureau also publishes social media posts aimed to businesses to promote their compliance with the laws enforced by the Bureau concerning environmental claims.</p>	<p>The Competition Bureau contributes to advancing:</p> <ul style="list-style-type: none"> • <u>Canadian Indicator Framework</u> <ul style="list-style-type: none"> ○ CIF Ambition: Canadians consume in a sustainable manner • <u>Global Indicator Framework</u> <ul style="list-style-type: none"> ○ GIF Target 12.8: By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature



GOAL 13: TAKE ACTION ON CLIMATE CHANGE AND ITS IMPACTS

FSDS Context

ISED is a strong supporter of Canada’s climate agenda and commitment to reducing emissions by 40-45 percent below 2005 levels by 2030 and achieving net-zero emissions by 2050. ISED will continue helping Canadian companies develop and deploy globally competitive clean technology solutions that address environmental challenges related to climate change and grow the economy through its flagship programming, like the Strategic Innovation Fund Net-Zero Accelerator (NZA) and Sustainable Development Technology Canada. The NZA facilitates strategic investments to secure large, near-term greenhouse gas (GHG) emissions reductions and advances broader Canadian clean technology objectives, in collaboration with partner departments, in order to help Canada achieve its net-zero target by 2050, while stimulating economic growth and building climate resilience.

ISED is also committed to reducing GHG emissions from the department’s real property and fleet, in line with the requirements of the federal *Greening Government Strategy*.

Target theme: Climate Change Mitigation and Adaption

Target: Achieve 40 to 45% greenhouse gas emission reductions below 2005 levels by 2030, and achieve net-zero greenhouse gas emissions by 2050 (Minister of Environment and Climate Change supported by all other 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>Continue to implement Canada’s climate plans and actions</p>	<p>Continue to support Canadian companies in their efforts to develop and demonstrate new environmental technologies that address environmental issues, such as climate change and air, water and soil pollution through Sustainable Development Technology Canada (SDTC).</p> <p>Program: Clean Technology and Clean Growth Program</p>	<p>Performance indicator: Annual incremental reductions in greenhouse gas (GHG) emissions attributable to SD Tech Fund-supported technologies</p> <p>Starting point: 22.6 megatonnes estimated reduction in GHG emissions attributable to SD Tech Fund-supported technologies (March 31, 2022)</p> <p>Target: Increase of 1 megatonne in GHG reductions each year</p>	<p>By supporting Canadian companies in their efforts to develop and demonstrate new environmental technologies, SDTC’s SD Tech Fund has contributed to clean economic growth and the transition to a low-carbon economy. Specifically, SDTC supported technologies are reducing greenhouse gas emissions by 24.7 megatonnes of CO_{2e} annually as of March 31, 2023 (an increase of 2.1 megatonnes) Continued support will contribute to Canada’s 2030 and 2050 climate objectives.</p> <p>Relevant targets or ambitions: <i>CIF Ambition</i> - Canadian Ambition: Canadians reduce their greenhouse gas emissions, <i>CIF Target 13.1.1</i> - 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>CIF Indicator 13.1.1</i> - Greenhouse gas emissions <i>GIF Target 13.2</i> - Integrate climate change measures into national policies, strategies and planning</p>
	<p>Fund large-scale projects in key industrial sectors through the Strategic Innovation Fund (SIF) to dramatically reduce</p>	<p>Performance Indicator: Capital expenditures directly related to SIF-</p>	<p>The Strategic Innovation Fund’s Net Zero Accelerator Initiative’s mandate is to reduce emissions by 2030 and to support</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
	greenhouse gas emissions and ensure that Canada is competitive in the net-zero future Program: Business Innovation Program	funded clean technology adoption projects ¹ Starting point: \$11M in on-project CAPEX spending, on average across NZA projects in the work phase (2021) ² Target: Greater than \$11M in on-project CAPEX, on average across NZA projects in the work phase	the transformation of the Canadian economy towards carbon neutrality by 2050. This program contributes to Canada's goal of reducing GHG emissions and integrating climate change measures into national policies, strategies and planning. Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians reduce their greenhouse gas emissions <i>CIF Target 13.1</i> - 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>CIF Ambition</i> - Canadians are well-equipped and resilient to face the effects of climate change

¹ On-project capital expenditures (CAPEX) will be measured for all SIF recipients; this indicator will report specifically on on-project CAPEX for SIF projects that focus on cleantech adoption (for example, large emitter projects).

² The starting point is based on one year of preliminary results data from 8 NZA projects (2021) and is subject to change as more data is collected.

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>Reduce greenhouse gas (GHG) emissions from ISED's light duty fleet</p> <p>Program: Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management</p>	<p>Performance indicator: Percentage (%) reduction in fleet emissions relative to 2005-06</p> <p>Note: GHG emissions from fleet are measured in ktCO_{2e}.</p> <p>Starting point: GHG emissions from ISED's fleet in fiscal year 2005-06 baseline: 1,767 ktCO_{2e}</p> <p>Target: Reduce GHG emissions from ISED's fleet (MC, STS, SIPS, CRC, OCS) by 40% below 2005 levels by 2025 and 90% below 2005 levels by 2050</p>	<p>ISED's Green Land Vehicle Policy, outlines the requirements for all new light duty vehicle purchases to be ZEV's. This supports FSDS Goal 13 and the Net-Zero Carbon Operations Target and SDG 13 (Climate Action).</p> <p>The <i>Greening Government Strategy</i> mandates that the Government of Canada's operations must be net-zero emissions by 2050, including mobility: fleets, business travel and commuting. To implement net-zero fleet operations, the Government of Canada will reduce absolute Scope 1 and Scope 2 GHG emissions by 40% by 2025 and by at least 90% below 2005 levels by 2050. On this emissions reduction pathway, the government will aspire to reduce emissions by an additional 10% each 5 years starting in 2025.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians reduce their greenhouse gases <i>CIF Target 13.1</i> - By 2030, reduce Canada's total greenhouse gas emissions by 40-45% relative to 2005 emission levels. By 2050, achieve economy-wide net-zero greenhouse gas emissions</p>

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
<p>Reduce risks posed by climate change to federal assets, services and operations</p>	<p>Ensure that all departmental and sector Business Continuity Plans include mitigation measures to reduce climate change risks to assets, services and operations</p> <p>Program: Business Continuity Management</p>	<p>Performance indicator: Percentage (%) of ISED’s Business Continuity Plans that include climate change considerations via an all-hazards approach</p> <p>Starting point: Since 2018-19, ISED has incorporated climate change considerations in its business continuity planning guidance</p> <p>Target: 100% every year</p>	<p>The ISED Business Continuity Plan is developed comprehensively to provide reasonable assurance that in the event of any type of disruption, include climate-related, the department can maintain an acceptable level of delivery of critical services and activities, and can achieve the timely recovery of other services and activities. To ensure that ISED is ready for any eventuality, business continuity management is conducted from an all-hazards approach.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canadians are well-equipped and resilient to face the effects of climate change <i>GIF Target 13.2</i> – Integrate climate change measures into national policies, strategies and planning</p>
	<p>Conduct Building Condition Assessments and complete Climate Resiliency Reports for all Communications Research Centre (CRC) building assets</p> <p>Program: Spectrum and Telecommunications Program</p>	<p>Performance indicator: Number of CRC building assets that have a Building Condition Assessment and Climate Resiliency Report</p> <p>Starting point: Starting in 2021, 28 of 30 (93%) CRC buildings have undergone an assessment and have a report in place</p> <p>Target: By March 2024, a Building Condition Assessment has been</p>	<p>The Treasury Board Secretariat’s <i>Policy on Managing Real Property</i> identifies sound stewardship for all federal buildings including Climate Resiliency Reports. Climate Resiliency Reports support CRC’s commitment to the Government of Canada’s <i>Greening Government Strategy</i>.</p> <p>Relevant targets and ambitions:</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
		performed, and a Climate Resiliency Report prepared for all 30 CRC buildings	<p><i>CIF Ambition</i> - Canadians are well-equipped and resilient to face the effects of climate change</p> <p><i>GIF Target 13.1</i> - Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries</p>

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

The following table describes ISED initiatives that contribute to advancing SDG 13, supplementing information in the tables above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS AND AMBITIONS AND/OR GLOBAL TARGETS
<p>Global Centre of Excellence for Methane Detection and Elimination</p> <p>The Minister of Innovation, Science and Industry and the Minister of Natural Resources were directed, through joint mandate letter commitments, to “establish a global centre for excellence on methane detection and elimination”.</p> <p>ISED is working collaboratively with Natural Resources Canada to establish a centre of excellence, as referenced within the 2030 Emissions Reduction Plan and Methane Strategy as a key action for meeting Canada’s commitment to the Global Methane Pledge to reduce methane emissions by 30% below 2020 levels by 2030 and its national commitment to reduce methane emissions by 75% below 2012 levels by 2030 from its oil and gas sector.</p>	<p>The Global Centre of Excellence for Methane Detection and Elimination will contribute to advancing:</p> <ul style="list-style-type: none"> • <u>Canadian Indicator Framework</u> <ul style="list-style-type: none"> ○ Canadian Ambition: Canadians reduce their greenhouse gas emissions ○ 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. • <u>Global Indicator Framework</u> <ul style="list-style-type: none"> ○ Target 13.2: Integrate climate change measures into national policies, strategies and planning



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

FSDS Context

ISED will continue to engage and collaborate with international partners and demonstrate leadership in international fora to advance key federal priorities, including those relating to sustainable development.

For example, in support of shared global climate action commitments, ISED is co-leading the Glasgow Breakthrough Agenda on Cement and Concrete on behalf of Canada and is working with other departments and trade partners to develop secure and sustainable supply chains. Additionally, the Standards Council of Canada (SCC) will continue to play an important leadership role with the International Standards Organization in relation to supporting the circular economy, sustainable finance and the sharing economy. The SCC also supports the involvement of Canadians on many other committees that may not have a specific environmental aim, but whose work contributes to one or more of the SDGs – enabling wider access to clean water or sanitary facilities, for instance.

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
<p>Advance international collaboration on critical minerals</p>	<p>Support Canada's bilateral engagement across international fora in support of sustainable critical minerals industries and the development of resilient critical minerals supply chains</p> <p>Program: Minerals Security Partnership; Canada-U.S. Joint Action Plan on Critical Minerals; Canada-U.S. Supply Chains Working Group; North American Leaders' Summit; Canada-EU Strategic Partnership on Raw Materials; various bilateral memoranda of understanding/ cooperation</p>	<p>Performance indicator: Demonstrate work towards actions identified under the Canada-U.S. Joint Action Plan on Critical Minerals</p> <p>Starting point: March 2023 update on the Canada-U.S. Joint Action Plan</p> <p>Target: Progress towards the completion of (at least) one Action under the Canada-U.S. Joint Action Plan is reported by the end of 2025</p>	<p>ISED, under the Canadian Critical Minerals Strategy, is supporting Natural Resources Canada to grow the global supply of sustainably produced critical minerals to strengthen critical mineral supply chains in collaboration with other government departments and key allies, which will contribute to mutual objectives that align with the SDGs, including climate action, clean growth, economic security, and supply chain resiliency.</p> <p>Relevant targets and ambitions: <i>CIF Ambition</i> - Canada fosters collaboration and partnerships to advance the SDGs <i>GIF Target 17.14</i> - Enhance policy coherence for sustainable development <i>GIF Target 17.17</i> - Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships</p>

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

The following table describes ISED initiatives that contribute to advancing SDG 17, supplementing information in the tables above.

PLANNED INITIATIVES	ASSOCIATED DOMESTICS TARGETS AND AMBITIONS AND/OR GLOBAL TARGET
<p>Canadian climate leadership in the International Standardization Organization The Standards Council of Canada is the representative for Canada in the International Standards Organization (ISO), where Canada</p> <ul style="list-style-type: none"> • holds the Chair for ISO Technical Committee (TC) 207 Environmental Management, and recently assumed responsibility for the committee Secretariat; • holds the Chair and is Committee Manager for ISO TC 207/SC 7, the Sub-committee for Greenhouse Gas, Climate Change Management and Related Activities; • provides the secretariat for ISO’s Climate Change Coordinating Committee (CCCC); • has played a key role in establishing ISO’s London Declaration on Climate Change; • is active in numerous technical and governance positions to help shape and advance climate action through international standards; • is a founding member of the Our2050World partnership which aims to boost ambition and coordinate action on international standards to address climate change; and • is leading efforts to align global standards frameworks on ESG (Environment, Social and Governance) and allow comparability between them. 	<p>Canadian climate leadership in the ISO contributes to:</p> <ul style="list-style-type: none"> • <u>Canadian Indicator Framework</u> <ul style="list-style-type: none"> ○ Canadian Ambition: Canada fosters collaboration and partnerships to advance the SDGs. • <u>Global Indicator Framework</u> <ul style="list-style-type: none"> ○ GIF Target 17.13: Enhance global macroeconomic stability, including through policy coordination and policy coherence.

SECTION 5

Integrating Sustainable Development

ISED is committed to continuing to ensure that its internal decision-making processes include consideration of the FSDS goals and targets and the SDGs. This is accomplished through the implementation of the department's [Strategic Environmental Assessment \(SEA\) Policy](#), which requires SEAs to be completed for policy, plan, presentation or program proposals submitted to the Minister or to Cabinet for consideration. An SEA is an assessment of the impacts of the proposal on the environment, the FSDS goals and targets, and the SDGs. [Public statements](#) on the results of ISED assessments are made available for approved initiatives that have undergone a detailed SEA.



