ACHIEVING A
SUSTAINABLE
FUTURE

Innovation, Science and Economic Development Canada (ISED)

Departmental Sustainable Development Strategy 2020 to 2023

Canada

Executive Summary

Innovation, Science and Economic Development Canada (ISED) is Canada's domestic industry department, with a $3.2 billion operating budget in 2019-2020. ISED's legislative responsibility for sustainable development is defined in its founding act, the *Department of Industry Act, 1995*, which mandates the Minister to "strengthen the national economy and promote sustainable development." Flowing from this commitment, and later under the *Federal Sustainable Development Act, 2008,* ISED has produced Departmental Sustainable Development Strategies (DSDS) since 1997.

The COVID-19 pandemic generated a global health crisis and an unprecedented economic shock, with profound and widespread impacts on Canadian households, communities, and businesses. In its response, ISED recognizes the need to advance an economic recovery that leaves no Canadian behind and also accelerates the transition to a low-carbon, prosperous, and circular economy. ISED's 2020-2023 DSDS outlines its three-year, forward-looking commitments in support of the 2019-2022 Federal Sustainable Development Strategy (FSDS) and the United Nations (UN) Sustainable Development Goals (SDGs). It is the product of months of collaboration and analytic work within ISED and its portfolio. ISED also recognizes that the COVID-19 pandemic has altered the environment in which ISED's DSDS actions and indicators operate, and plans to monitor its activities and make adjustments to its commitments, as necessary, over the course of the three-year strategy.

ISED co-leads the FSDS *Clean Growth Goal* with Natural Resources Canada (NRCan), and has mobilized a wide range of commitments to advance clean technology and make Canada the best place to start and grow a clean technology business. Highlights include actions by ISED's Innovation Canada programs and Regional Development Agencies (RDAs) that fund innovative clean technology projects across the country. These projects are found in all industrial sectors and work to advance both Canada's economic development and climate change objectives. As well, Sustainable Development Technology Canada commits to continue its proven track-record of supporting clean technologies with the potential to deliver significant economic and environmental benefits.

ISED's ambitious commitment to ensure 100 percent of Canadians have access to high speed Internet by 2030 fundamentally supports the *Modern and Resilient Infrastructure* FSDS Goal and UN SDG 9: *Innovation, Industry and Infrastructure*. In the aftermath of COVID-19, access to high-speed Internet simultaneously advanced multiple sustainable development objectives: inclusive economic growth in rural, remote and urban areas; better access to health resources and infection prevention; and, greenhouse gas emission reduction.

In fulfilling its FSDS commitments, ISED engaged core programs and legislation that build marketplace confidence, and support the deployment of clean technologies more broadly. These include DSDS commitments by:
- the Canadian Intellectual Property Office to promote unique Canadian clean technology intellectual property internationally through the World Intellectual Property Organization platform;
- the Competition Bureau to use social media and other public outreach tools to proactively raise awareness about greenwashing in advertising and marketing and promote compliance with the *Competition* Act, the *Consumer Packaging and Labelling Act*, and the *Textile Labelling Act*; and,
- the Standards Council of Canada to develop a Clean Technology Standardization Strategy to improve market recognition of clean technologies and ensure Canada has a seat at the table at the international technical standards committees of relevance.

ISED also manages the funding for some third-party science and research organizations in Canada working on research related to climate change. This work helps to build a strong

evidence base from which to accelerate climate resilience, mitigation and adaptation efforts across the country. As co-lead with Transport Canada on zero-emission vehicle (ZEV) efforts, ISED is stepping up work to increase domestic ZEV production and use on Canadian roads. To lead by example, ISED commits to making 100 percent of its new light-duty administrative fleet purchases ZEVs as of 2019-2020 onwards, where vehicles are available and where operational needs permit.

In addition to the highlights noted above, ISED's 2020-2023 DSDS includes many other commitments which support Canada's 2019-2022 FSDS goals. Globally, as we enter the UN SDG "Decade of Action" moving towards the 2030 target date, these commitments also advance ISED's contribution to deliver the UN SDGs.

Section 1: Introduction to the Departmental Sustainable Development Strategy

The [2019 to 2022 Federal Sustainable Development Strategy (FSDS)](#) presents the Government of Canada's sustainable development goals and targets, as required by the *[Federal Sustainable Development Act](#)*. This Act provides the legal framework to develop and implement a Federal Sustainable Development Strategy that will make environmental decision-making more transparent and accountable to Parliament. ISED supports the goals laid out in the FSDS through the activities described in this DSDS.

For the purposes of ISED's 2020-2023 DSDS, commitments from the following portfolio and also associated portfolio organizations are included: Standards Council of Canada (SCC), Sustainable Development Technology Canada (SDTC), Federal Economic Development Initiative for Northern Ontario (FedNor), Federal Economic Development Agency for Southern Ontario (FedDev Ontario), and with input from Genome Canada, the Canada Foundation for Innovation (CFI), and the Canadian Institute for Advanced Research (CIFAR).

Section 2: Sustainable Development Vision and Context at ISED

Vision

ISED has a comprehensive mandate to accelerate innovation in Canada, help Canadian businesses and organizations succeed and grow, increase Canada's share of global trade, and build a Canadian marketplace that promotes confidence, consumer choice and competition. ISED and its portfolio work collaboratively with provinces, territories, municipalities, Indigenous peoples, business owners, industry associations, stakeholders and all Canadians to deliver an economic agenda that builds and sustains a knowledge-based, and internationally competitive economy.

Recognizing the importance of accelerating the transition to a low-carbon, inclusive, clean growth economy, ISED helps Canadians and Canadian businesses embrace sustainability as a core value over the short-, medium- and longer term. As the federal lead for the Clean Technology, Innovation and Jobs pillar of the *Pan-Canadian Framework on Clean Growth and Climate Change*, ISED supports businesses and Canadians at all points on the innovation continuum, from early research and development, to company scale-up and full commercialization. ISED also strives to make Canada the best place to start and grow a clean technology business, as we seek to meet rapidly growing global demand and achieve the Government's target of a net-zero greenhouse gas (GHG) emission economy by 2050.

The COVID-19 pandemic created an even more urgent imperative for economic sustainability both now and in the longer term. As the Government of Canada focuses on economic recovery, it is deepening its partnerships with key stakeholders, including those with industry. The Industry Strategy Council launched in May 2020 has a mandate to identify the scope and depth of COVID-19's impact on industries and inform government's understanding of specific sectoral pressures. It also serves as a means to coordinate business communities' input on the impact of COVID-19. Building off the work by the Council, whose findings were published in December 2020, ISED will participate in whole-of-government efforts to strengthen and grow the middle class and ensure Canada's continued global competitive advantages.

Positioning Canada to compete in the context of an accelerated global transition to a low-carbon and circular economy depends on all Canadians taking concrete actions. Skills development, training for green jobs, and empowering all members of our communities through social inclusion are priorities for ISED. Recognized as one of Canada's top employers for our work on diversity and inclusion, ISED collaborates with partners on a range of programs that work towards social equity, including through the advancement of:

- women (e.g., Women's Entrepreneurship Strategy),
- youth (e.g., Digital Skills for Youth); and
- persons with disabilities (e.g., Accessible Technology Program).

Details of these socio-economic programs can be found in ISED's Departmental Plans and Departmental Results Reports, whereas ISED's 2020-2023 DSDS primarily includes commitments at the intersection of environmental and economic sustainability, highlighting social inclusion and skills and training where applicable.

ISED is a key contributor to Canada's efforts to develop the *2030 Agenda National Strategy* in support of the United Nations (UN) 2030 Agenda for Sustainable Development and the UN Sustainable Development Goals (SDGs). The department recognizes there are fewer than 10 years to achieve the SDGs. While ISED supports all 17 SDGs, ISED's mandate, programs and initiatives advance action on SDG 9 *Industry, Innovation and Infrastructure* to: "build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation". Additional SDGs relevant to ISED include *Climate Action (SDG 13)*, *Responsible Consumption and Production (SDG 12)*, *Sustainable Cities (SDG 11)*, and *Partnership for the Goals (SDG 17)*.

Context

Through this 2020-2023 DSDS, ISED and Natural Resources Canada (NRCan) will continue to co-lead the FSDS *Clean Growth Goal*. ISED will also contribute to the *Effective Action on Climate Change Goal*, the *Modern and Resilient Infrastructure Goal*, and the *Greening Government Goal*. Context for ISED's role in each of these Goals is below, and details on the substance of ISED's commitments are found in Section 3.

FSDS Goal: Clean Growth

ISED leverages its programs, its regional economic development networks, and key members of its portfolio to support its joint lead with NRCan for the *Clean Growth Goal*. To achieve market transformation for clean technology in Canada, ISED and its portfolio deploy a range of initiatives that support Canadian businesses at all stages of the innovation continuum. These include:

- SDTC – funds the development and demonstration of new environmental technologies and encourages collaboration among organizations in the private sector, academia, the not-for-profit sector, and others to develop and demonstrate new technologies.

- Innovative Solutions Canada (ISC) – leverages procurement of early and late stage research and development (R&D) to support innovative Canadian companies to grow, scale-up and export through having the government as their first customer.
- Innovative Superclusters Initiative (ISI) – supports business-led innovation superclusters with the greatest potential to build world-leading innovation ecosystems, secure Canada's future as an innovation leader, and accelerate economic growth.
- Strategic Investment Fund (SIF) – spurs innovation for a better Canada by providing funding for large projects (over $10 million in requested contribution), including the new Net Zero Accelerator Fund.
- The Clean Growth Hub – a whole-of-government focal point for clean technology focused on supporting companies and projects, coordinating programs and tracking results. ISED co-leads the Clean Growth Hub with NRCan, and it is comprised of 16 member departments and agencies.

Further support for Canadian clean technology companies comes from the six Regional Development Agencies (RDAs). These agencies work closely with businesses and innovators in the different regions of Canada to fuel economic growth. ISED's DSDS includes commitments made by FedDev Ontario and FedNor, while other RDAs report separately. The SCC, a federal Crown corporation responsible for promoting standardization in Canada, also reports through ISED's DSDS in support of the *Clean Growth Goal*. The SCC leads and facilitates the development and use of national and international standards and accreditation services to enhance Canada's competitiveness and well-being.

Indirectly supporting the FSDS *Clean Growth Goal* are the Canadian Intellectual Property Office (CIPO) and the Competition Bureau of Canada. CIPO is a special operating agency that delivers intellectual property (IP) services in Canada, including to clean technology companies, and educates Canadians on how to use IP more effectively to grow their businesses. The Competition Bureau ensures that Canadian businesses and consumers prosper in a competitive and innovative marketplace and protects Canadians from false or misleading marketing claims such as greenwashing. As an independent law enforcement agency, the Competition Bureau is responsible for several pieces of legislation including the *Competition Act*, the *Consumer Packaging and Labelling Act*, and the *Textile Labelling Act*.

As well, ISED's Computers for Schools Plus (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. The CFS+ program helps extend the useful life of electronic equipment, and reduces the environmental impact of electronic waste.

The workforce of the future will require new and advanced skills and experiences to create, develop and adopt new clean technologies. To prepare this workforce, ISED supports two skills and training related programs that also support clean technology and sustainability:
- Mitacs is a national, not-for-profit organization that serves as a key link between industry (6,000 companies) and post-secondary institutions (70 universities), driving collaborations to develop projects that solve business challenges, including in clean technology.
- Computers for Schools Intern program 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 workplace skills such as teamwork and communications skills.

FSDS Goal: Effective Action on Climate Change

ISED draws on its innovation programming, science funding, policy and industry expertise, and regulatory functions to undertake effective action on climate change. It recognises that clean technology is any process, product, or service that reduces environmental impacts. Clean

technologies often require fewer inputs or resources than standard technologies, leading to improved efficiency and less environmental degradation. This comprehensive definition means that ISED supports innovations that also target GHG emissions reductions, and key programs, such as SIF and SDTC are able to measure the contribution their investments could have to mitigate or reduce climate change.

ISED also works to develop a solid base of scientific research and analysis on climate change through its support of third-party science and research organizations. Organizations such as the Canadian Institute for Advanced Research (CIFAR) and Genome Canada provide support, funding and coordination for national R&D activities related to climate change. Also within ISED's portfolio are the Social Sciences and Humanities Research Council (SSHRC) and the National Science and Engineering Research Council (NSERC), which support research on a comprehensive range of climate change topics. These two Granting Councils report on their actions separately from ISED's DSDS. ISED is also responsible for the government's funding to the CFI, which supports academic research infrastructure, including related to climate change research.

In collaboration with NRCan and ECCC, ISED co-leads with Transport Canada on federal efforts to increase zero-emission vehicles (ZEV) in Canada through consumer purchase incentives and increasing domestic production of zero-emission vehicles. Federal efforts also include a commitment to work with automotive manufacturers to secure voluntary ZEV sales targets to ensure that vehicle supply meets increased demand. Measurement Canada, a regulatory agency of ISED, has a legislative mandate to approve and oversee all measuring devices used for financial transactions in the Canadian marketplace, including for alternative energy charging and refueling devices.

FSDS Goal: Sustainable and Resilient Infrastructure

This Strategy supports sustainable and resilient infrastructure, and builds on existing partnerships with the private sector, provinces, territories, municipalities, Indigenous communities, and official language minority communities. Within the ISED portfolio, the SCC works to modernize Canadian infrastructure to improve both resilience to climate change and environmental performance. SCC will continue to fund and facilitate the development and updating of standards, guidance and tools, and pursue other standardization-related projects in this area. ISED also has a national leadership role to improve access to high-speed Internet services for all Canadians, through Canada's Connectivity Strategy.

FSDS Goal: Greening Government

ISED supports leadership-by-example in its operations. While primarily a lessee, through its Spectrum and Telecommunications Sector, ISED owns two sets of real property assets: a national Remote Spectrum Monitoring Network, and the Shirleys Bay campus which comprises several ISED buildings as well as buildings from other government departments. Through various business units, ISED also owns and operates a fleet of approximately 300 vehicles. In addition to commitments in these two custodial areas (real property and fleet), ISED is making further commitments to reduce GHGs by implementing virtual collaboration tools for all of ISED's 5,500 staff, by contributing to the off-setting of employee air travel through the Greening Government Fund, and by supporting Public Services and Procurement Canada's (PSPC) green lease initiatives. ISED also is strongly committed to reducing plastic waste throughout its operations, including for employees during travel status.

Section 3: Commitments

Clean Growth: A growing clean technology industry in Canada contributes to clean growth and the transition to a low-carbon economy

Responsible Minister: Minister of Innovation, Science and Economic Development and Minister of Natural Resources

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
Implement our Mission Innovation pledge to double federal government investments in clean energy research, development and demonstration from 2015 levels of $387 million to $775 million by 2020	The Government of Canada's five-year commitment for Mission Innovation (MI) was from fiscal year 2014-15 to 2019-20. At the time of the tabling of ISED's 2020-2023 Departmental Sustainable Development Strategy (DSDS), there were no new commitments made towards MI. ISED's 2019-2020 Departmental Results Report will include ISED's results for the final reporting year, and will also be reported to Natural Resources Canada and the International Energy Agency. ISED will support future MI commitments if they are established, and will report on those commitments in the future.				
Increase the value of Canada's clean technology exports to $15.6 billion by 2025	Invest in clean technologies	Fund projects with a significant clean tech adoption or development component through the Strategic Innovation Fund (SIF)	**FSDS:** SIF application documents collect information regarding whether the project will develop a new clean technology, involve a significant clean technology adoption component, or result in other environmental benefits and GHG emission reductions. This information is then used to assess the level of environmental benefits that the project will provide for Canada. In line with Government of Canada and Departmental priorities, environmental and clean tech considerations will be increasingly considered as part of new project selection criteria in order to advance	**Starting Point:** As of March 2020, 42% of SIF funded projects demonstrate a significant clean tech adoption or development component **Performance Indicators:** Percentage of projects demonstrating a significant clean tech development or adoption component	Innovation in Business

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
			the development and sales of clean technologies. **SDG:** 9 Industry, Innovation and Infrastructure		
	Invest in clean technologies	Support projects with a clean tech adoption or development component through the Innovative Superclusters Initiative (ISI)	**FSDS:** The Innovation Superclusters Initiative (ISI) invests in the research, development and commercialization of innovative platform technologies and business processes that have the potential to improve productivity and competitiveness. ISED provides funding to each supercluster, supports and oversees the execution of the initiative, reports on progress to the Minister and senior government officials, and leverages its relationships with other government programs so that federal resources are aligned for the success of the initiative. Each supercluster has a governance model independent from ISED and sets its own strategic priorities. As an industry-led initiative, the Superclusters are responsible for selecting and funding projects that benefit and grow their innovation ecosystems. Project objectives are broad and are expected to: • Accelerate the commercialization of new products, processes and services; • Solve important industrial challenges to boost Canada's productivity and competitiveness; and • Build long-term advantages and global brand recognition for Canada. Clean technology is a priority for the Government of Canada and the Superclusters are required to inform ISED if	**Starting Point:** All five Superclusters had announced projects as of 2019 **Performance Indicator:** Percentage of projects that will result in process, product, or service that reduces environmental impacts. **Performance Indicator:** Percentage of funding allocated to projects that will result in process, product, or service that reduces environmental impacts	Innovative Superclusters Initiative

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
			a project will result in a process, product, or service that reduces environmental impacts. **SDG** 9: Industry, Innovation and Infrastructure		
	Invest in clean technologies	Support projects with a significant clean tech adoption or development component through the Innovative Solutions Canada (ISC) program. ISC, together with 20 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. ISC has two funding streams: **Challenge Stream**: Departments and agencies have the opportunity to issue R&D challenges to address market gaps, or seek innovative solutions based on desired outcomes rather than known products or process. The Challenge stream is open to Canadian businesses with fewer than 500 employees and awards grants and R&D contracts. **Testing Stream**: Competitive first-purchase stream providing the ability to test and sell pre-revenue technologies to the Government of Canada. Provides companies with an important first reference sale of	**FSDS:** The development and testing of Canadian technologies through ISC (including those related to clean technology and those that demonstrate environmental benefits) is expected to contribute to the increase in the value of Canadian clean technology exports. **SDG:** 9 Industry, Innovation and Infrastructure	**Starting Point:** ISC's Challenge Stream launched in 2017, and the former Build in Canada Innovation Program, launched in 2010, (consolidated as ISC Testing Stream in 2018), have supported the following Clean-Tech projects as of 2020: Challenge Stream:19 clean tech challenges launched, including 14 plastics challenges; and Testing Stream: 99 contracts awarded (20% of all contracts) for the testing of clean tech innovations, valued at over $35M **Performance Indicators:** % of Challenge Stream clean tech challenges that result in at least one Phase II award % of Testing Stream contract awards for Clean Technology **Target:** ISC aims for 80% of Clean Technology challenges to award at least one Phase II	Innovative Solutions Canada

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
		their pre-commercial technology, and federal organizations access to technology with the potential to help them meet their mandates. Awards R&D contracts.		award; and ISC aims for 20% of Testing Stream contract awards to support Clean Technology[1]	
	Invest in clean technologies	Support Canadian companies in their efforts to develop and demonstrate new environmental technologies that address environmental issues such as climate change, clean air, clean water or clean soil through Sustainable Development Technology Canada's (SDTC) SD Tech Fund.	**FSDS:** SDTC's investments directly contribute to increasing Canada's clean technology exports by supporting critical commercialization and scale-up phases. **SDG:** 9 Industry, Innovation and Infrastructure	**Starting point**: 2018/19 performance data - $144M in approvals $93M in project funding disbursed 89% of active projects making advancements towards successful demonstrations as of the end of FY 2018-19 (March 31, 2019). **Performance indicator:** Funding approved for new projects Disbursed funding to projects Percentage of active projects that are making advancements to successful demonstration **Target:** As published in SDTC Annual Report for specified fiscal year 2019-20 Performance Targets: Funding approved for new projects - $135M-$150M Disbursed funding to projects - $120.7M	Clean Technology and Clean Growth

---

[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. ISC supports the development of clean tech challenges and incentivizes the submission of clean tech related proposals to the Testing Stream.

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
				Percentage of active projects that are making advancements to successful demonstration – Maintain a 90% minimum average	
	Invest in clean technologies	FedNor will support businesses in Northern Ontario to develop and adopt clean technology solutions, and support communities to adopt and implement clean growth initiatives.	**FSDS:** Through its grants and contributions program, FedNor will invest in clean technology and clean growth by: Supporting businesses to adopt and/or adapt clean technologies to improve environmental performance, while increasing productivity, growth and competitiveness; Supporting businesses to develop and/or commercialize new clean technologies; Support the greening of SMEs to mitigate and reduce the environmental impacts of their activities, including adoption of green technologies to decarbonize operations, the creation of new green businesses, and supporting SMEs in their green transformation; Building community capacity to implement clean growth initiatives by supporting research and feasibility studies; and Fostering community resilience for a green recovery by supporting the development of green industrial parks, providing funding to indigenous communities to facilitate their participation in major green energy projects, and supporting the development of community greenhouses in Indigenous communities to ensure better food security. FedNor investment in clean technology varies from year to year due to the multi-year nature of most of its investments.	**Starting point:** $1,325,157 in approvals (FY 2018-2019) **Performance indicator:** Number and value of FedNor investments in clean technology in Northern Ontario.	Economic Development In Northern Ontario Regional Economic Growth through Innovation (REGI) Northern Ontario Development Program (NODP)

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
			SDG: 9 Industry, Innovation and Infrastructure		
	Invest in clean technologies	FedDev Ontario will strategically invest in projects that: support southern Ontario firms to adopt clean technology and more productive and sustainable processes; support clean technology clusters and/or commercialization platforms; and support clean growth in communities.	**FSDS:** Through these targeted investments, FedDev Ontario is fostering clean growth across southern Ontario, supporting Canada's transition to a low carbon economy and helping deliver on the FSDS clean growth target. Due to the multi-year nature of many of FedDev Ontario's investments, there is a variability from year to year on FedDev Ontario investments in clean technology (e.g. from $25 million in 2016-2017 to $35 million in 2018-2019). FedDev Ontario invests in clean technology projects that: support southern Ontario firms to adopt clean technology and more productive and sustainable processes; support clean technology clusters; and support clean growth in communities. Through these targeted investments, FedDev Ontario fosters clean growth across southern Ontario and supporting Canada's transition to a low-carbon economy. A portion of these investments in clean technology contributes to increasing the value of Canada's clean technology exports and helps deliver on the FSDS clean growth target. **SDG:** 9 Industry, Innovation and Infrastructure & 12: Responsible Consumption and Production	**Starting point:** In response to the Budget 2016 mandate commitment for RDAs to double investments in clean technology to $100M per year, FedDev Ontario invested $25 million in clean technology projects in 2016-17. **Performance indicator:** Number and value of FedDev Ontario investments in clean technology in southern Ontario. **Target:** From 2020-2023, FedDev Ontario plans to invest approximately $25 million per year in clean technologies.	Regional Economic Growth through Innovation Community Economic Development and Diversification

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
	Promote Canadian firms as world leaders in clean technology	The Standards Council of Canada (SCC) will continue to work with Canadian clean technology companies to help them commercialize and/or gain market access by influencing the standards development process and supporting the adoption and implementation of those standards. Support includes guiding, facilitating, funding, and collaborating with innovators to advance national and/or international standardization; exercising Canadian leadership as Secretariat of International Organization for Standardization (ISO) technical committee (TC) 207 Environmental Management; and developing conformity assessment schemes such as Environmental Technology Verification to help innovators unlock market access.	**FSDS:** SCC measures its assistance to Canadian companies by the number of standardization strategies developed and advanced. By working with and supporting Canadian clean tech companies and helping them influence the development of National and especially International Standards, it is expected that SCC's activities will contribute to increasing the value of Canada's clean technology exports. At the macroeconomic level, standardization contributes 8% to GDP growth, 17% to labour productivity growth, and affects 93% of global trade. Likewise, SCC can use its role of supporting the Secretariat of ISO TC 207 to ensure that Canadian interests are reflected in current and upcoming work items. In collaboration with Canadian clean tech innovators, SCC will also continue to explore opportunities to develop or expand conformity assessment schemes for clean technology to help innovators unlock market access. **SDG:** 9: Industry, Innovation and Infrastructure & 13: Climate Action	**Starting point:** As of March 2020, 18 clean tech standardization strategies have been advanced under SCC's 2016-2021 Innovation Program and its 2017-2022 Intellectual Property (IP) Program. SCC will measure the contributions of these programs to the Canadian clean tech sector. **Performance indicator:** Number of Innovation and IP standardization strategies advanced **Target:** 90 Innovation and IP standardization strategies advanced by 2022; and Criteria agreed for how to capture a standardization strategy as contributing to clean technology by end of 2021.	Business Conditions Policy
	Collaborate with stakeholders and partners to support the growth of clean technology in Canada	Sustainable Development Technology Canada (SDTC) will continue to work closely with partners to amplify support for Canadian clean technology companies.	**FSDS:** Through the creation of a streamlined, one-window approach to funding innovative Canadian clean technology companies with federal and regional partners; and by requiring the presence of an in-market demonstration partner for SDTC projects, SDTC's investments contribute to greater alignment and amplified support for the growth of clean technology in Canada.	**Starting point:** For projects approved in FY 2018-19, $2.1 was leveraged in total for every $1 from SDTC. For projects approved in FY 2018-19, $1.7 was leveraged from private sector for every $1 from SDTC. **Performance indicator:**	Clean Technology and Clean Growth

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
			SDG: 9: Industry, Innovation and Infrastructure, 13: Climate Action	Total dollars leveraged from all partners and collaborators relative to SD Tech Fund dollars; and Dollars leveraged by private sector partners and collaborators. **Target:** Total dollars leveraged from all partners and collaborators relative to SD Tech Fund dollars - Maintain the $2 leverage funding for each $1 of SDTC funding. Dollars leveraged by private sector partners and collaborators - Maintain the $1.50 leverage funding for each $1 of SDTC funding. As published in SDTC Annual Report for specified fiscal year.	
	Collaborate with stakeholders and partners to support the growth of clean technology in Canada	Continue to implement the Clean Growth Hub's mandate to support clean technology stakeholders navigate federal innovation programs and services	**FSDS:** By helping clean technology stakeholders understand the federal system of supports and services that are available to help them take their technologies from the laboratory to foreign markets. **SDG:** 9 Industry, Innovation and Infrastructure	**Starting point:** 80% **Performance indicator:** % of public inquiries responded to within the service standard % of scheduled calls or meetings within the service standard % of client advisory service provided within the service standard	Clean Technology and Clean Growth

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
				Target: 80% of public inquiries responded to within the service standard 80% of scheduled calls or meetings within the service standard 80% of client advisory service provided within the service standard	
	Collaborate with stakeholders and partners to support the growth of clean technology in Canada	The Standards Council of Canada (SCC) will continue to develop and implement national sectoral standardization strategies, as identified by Canada's Clean Technology Economic Strategy Table.	**FSDS:** Developing strategies will involve collaboration with stakeholders and partners and will support the growth of clean technology in Canada by, for example, identifying areas for standardization to expand the adoption of clean technologies and low carbon approaches. **SDG:** SDG9: Industry, innovation and infrastructure SDG13: Climate action	**Starting point:** No cohesive national standardization strategy for the clean tech sector. **Performance indicator:** Number of stakeholders participating the development of a national clean tech standardization strategy; Number of National Standards of Canada, guidance documents, and other standardization projects under development as a result of the strategy **Target:** National clean tech standardization strategy is published with input from relevant stakeholders, by 2023	Business Conditions Policy

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
Actions supporting the Goal: Clean Growth *This section is for actions that support the Clean Growth Goal but do not directly support a FSDS target*	Develop our understanding of the clean technology landscape in Canada	Advance the administrative data component of the Clean Technology Data Strategy (CTDS) through the development of tools that would enable a more consistent approach in environmental outcomes data collection by programs that support clean technology.	**FSDS:** Administrative data: these refer to the data government programs collect from applicants and funding recipients over the course of program delivery. The Clean Growth Hub is working to improve the consistency of terminology and data collection practices to strengthen the evidence-base for decisions, improves the understanding of the emerging clean technology landscape, and ensures the creation of effective policies and programs to support the production and adoption of clean technology. **SDG:** 9 Industry, Innovation and Infrastructure	**Starting point:** No data collection guidance **Performance indicator:** Number of data collection protocols provided federal programs in tracking and reporting outcomes **Target:** 3 data collection protocols	Clean Technology and Clean Growth
	Develop our understanding of the clean technology landscape in Canada	Advance the authoritative data component of the Clean Technology Data Strategy (CTDS) by updating national clean technology statistics (e.g. GDP, employment, exports, etc.) in collaboration with Statistics Canada and NRCan.	**FSDS:** Authoritative data: these refer to the national and provincial level micro and macro-economic statistics that measure the impacts clean technologies and other environmental goods and services have on GDP, employment, exports, etc. ISED collaborates with Statistics Canada and NRCan to develop, continuously improve and publish clean technology statistics through the Environment and Clean Technology Products Economic Account and the Survey of Environmental Goods and Services. **SDG**: 9 Industry, Innovation, and Infrastructure	**Starting point**: The clean technology taxonomy is the basis for the Survey of Environmental Goods and Services and is used in the Environment and Clean Technology Products Economic Account. It was last updated in 2018. **Performance indicator:** Clean technology taxonomy is updated to reflect current clean technology used throughout the Canadian economy (manufactured and imported) – ISED, NRCan and Stats Can lead	Clean Technology and Clean Growth

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
				Target: Taxonomy is updated in the fall/winter of 2020 and fall of 2022	
	Develop our understanding of the clean technology landscape in Canada	Develop a robust patent search strategy to track the evolution of patented inventions by Canadian researchers and corporate institutions operating in Canada in the field of clean technologies as it aligns with the National Research Council's (NRC) Materials for Clean Fuels (MCF) Challenge Program and clean technology more broadly (as defined by the European Patent Office via its Y-Cooperative Patent Classification codes).	**FSDS:** Our understanding of the clean technology landscape in Canada will be improved by the development of metrics related to patented inventions in the three Materials for Clean Fuels Challenge Program themes: 1. CO2 conversion 2. Industrial H2 3. Accelerated Materials Discovery; and to patented inventions in clean technology more broadly. **SDG: 9** Industry, Innovation and Infrastructure	**Starting point:** Canadian Intellectual Property Office (CIPO) to develop a robust patent search strategy to identify clean technology patented inventions as it aligns with the NRC's MCF Challenge Program and tag patented inventions related to clean technologies more broadly by Canadian researchers and corporate institutions operating in Canada. **Performance indicator:** Counts of patented inventions conducted by CIPO for such technologies by Canadian researchers and corporate institutions operating in Canada over specified time periods to track progress.	CIPO
Support voluntary action to reduce environmental impacts	ISED will continue to implement the Computers for Schools Plus Program	**FSDS:** The Computers for Schools Plus (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. By extending the usable lifespan of devices, it reduces multiple impacts associated with	**Starting point:** Number of refurbished computers distributed: 69,826 (2019-2020) Amount of toxic waste diverted from landfill: 1,265,758 lbs or 630 tons (2019–20) **Performance indicator:**	Computers for Schools Plus (CFS+) Program

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
			resource extraction and energy use, including greenhouse gas reduction, solid and hazardous waste reduction, reduced air and water emissions as well as other environmental benefits, thereby reducing the environmental footprint of the federal government and it donating partners. Furthermore, where refurbishing is not feasible, the program facilitates the recycling of computers through approved recycling organizations, again reducing the use of landfill space, creating less toxic chemical emissions and encouraging the reuse of raw materials for other products, thus reducing the environmental footprint. The CFS+ program contributes to the Clean Growth target, 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 until March 2022. **SDG: 9** Industry, Innovation and Infrastructure	Number of refurbished computers distributed. Tonnage of computers, laptops, monitors, printers and other equipment that is reused in the refurbishment process. **Target*:** FY 2021-22: 78,500 FY 2022-23: 72,000 FY 2023-24: 72,000 *The Connecting Families initiative has decreasing funding and will end in 2021-22 thereby reducing the number of computers distributed by CFS+. 1,300 Tons** ** Note: Evolution of IT equipment has led to smaller, lighter weight devices which have led to a reduction in tonnes, but not in overall numbers.	
	Support skills and training in clean technology	ISED will 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)	**FSDS:** 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+	**Starting point:** Number of green jobs created: 270 (2019-20) **Performance indicator:** Number of green jobs created per fiscal year	Computers for Schools Intern (CFSI) Program

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
			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. **SDG: 9** Industry, Innovation and Infrastructure	**Target:** 210 per fiscal* **CFSI received a top-up in support of COVID-19 for 2020-2021 only. To address the impact of COVID on organizations, the program also increased the internship costs. Given these changes, the target for 2020-21 was changed to 280 mid-year..	
	Support voluntary action to reduce environmental impacts	Promote the patenting of green technologies by providing for accelerated patent examination with no additional fees	**FSDS:** The Canadian Intellectual Property Office (CIPO) put in place rules in 2011, to allow for the accelerated examination of patents that relate to technologies which can help to resolve or mitigate environmental impacts or conserve the natural environment and resources: the "green patent" process. By reducing the time to obtain a patent, inventors can secure funding and bring green technology to market sooner. **SDG:** 12 (Responsible Consumption and Production)	**Starting point:** To date, a total of 376 patents have been granted by CIPO under this process (see statistics below). It is important to note that not all environmental technologies patent applicants use the green patent process, as the accelerated option may not be relevant for all companies. **Advanced examination (green technology) statistics** The total number of applications per year : | Filed	Year	Granted
---	---	---
27	2011	14
69	2012	44
80	2013	61
90	2014	71		CIPO

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
				<table><tr><td>69</td><td>2015</td><td>54</td></tr><tr><td>69</td><td>2016</td><td>57</td></tr><tr><td>63</td><td>2017</td><td>50</td></tr><tr><td>52</td><td>2018</td><td>23</td></tr><tr><td>39</td><td>2019</td><td>2</td></tr><tr><td></td><td></td><td></td></tr><tr><td>558</td><td>Total</td><td>376</td></tr><tr><td>62</td><td>Average per year</td><td>42</td></tr></table> *** **Note:** The chart above is not a trend line chart. In each year-line, the numbers reflect the number of green patents filed in that year and green patents that were filed in that year that went on to become patents. **Performance indicator**: Number of patent applications that have been granted accelerated examination under the green patent process.	
	Collaborate with international partners in the transition to clean energy, low-carbon future	Collaborate with the World Intellectual Property Organization (WIPO) GREEN network to promote innovation and the diffusion of green technologies.	**FSDS:** By collaborating with WIPO GREEN, 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 – all part of its mission to catalyze green tech innovation	**Starting point:** 4 Canadian technologies uploaded onto WIPO GREEN database (2017-2019) **Performance indicator:** Number of Canadian technologies uploaded onto the WIPO GREEN database	CIPO

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
			and accelerate green tech transfer and diffusion. **SDG:** 17 (Partnership to achieve the Goal)		
	Support skills and training in clean technology	Continue to fund and support third party organizations such as Mitacs, who advance work-integrated learning opportunities focussed on innovative research and development, including investments in clean technologies.	**FSDS:** ISED supports Mitacs, a not-for-profit corporation dedicated to promoting high-quality research and innovation across Canada by building linkages between academia and industry across all disciplines, including advancing clean technology research and development, as well as other advanced environmental solutions. The organization supports the attraction, training, retention and deployment of highly qualified personnel by delivering a range of programs. **SDG:** SDG 7: Affordable and Clean Energy SDG 9: Industry, Innovation and Infrastructure SDG 13: Climate Action	**Starting point:** 2019-20 732 internships and fellowships in clean technology supported by Mitacs as a result of ISED funding **Performance indicator:** Number of clean technology internships supported	Talent Development
	Support skills and training in clean technology	Increase the awareness and effective use of intellectual property (IP) by Canadian innovators and businesses through targeted IP literacy initiatives.	**FSDS:** The Canadian Intellectual Property Office (CIPO), through its IP Awareness and Education Program, is supporting businesses in Canada's key growth sectors including clean technology. 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	**Starting point:** IP Awareness metrics (source: 2017 SME Financing and Growth Survey; CIPO IP in Canada Report 2019 – Figure 15) ** these are not clean technology specific* • 59% of SMEs in Canada are at least slightly aware of patents • 65% of SMEs in Canada are at least slightly aware of trademarks	CIPO

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
			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. **SDG:** 17 (Partnership to achieve the Goal)	• 28% of SMEs in Canada are at least slightly aware of industrial designs • 37% of SMEs in Canada are at least slightly aware of trade secrets • Overall 73% of SMEs in Canada are at least slightly aware of IP IP Use (source: 2017 SME Financing and Growth Survey; CIPO IP in Canada Report 2019 – Figure 15) *** these are not clean technology specific** • 2% of SMEs in Canada use patents • 9% of SMEs in Canada use trademarks • 1% of SMEs in Canada use industrial designs • 5% of SMEs in Canada use trade secrets **Performance indicator:** The Program's outreach metrics: • Number of seminars and webinars • Number of events attended • Number of one-on-one meetings with SMEs	
	Other	Use social media and other public outreach tools (e.g. guidance messages) to proactively raise	**FSDS:** To encourage clean growth, the Competition Bureau will continue to promote a level playing field for all businesses in	**Starting point:** The Competition Bureau uses traditional enforcement and	Competition Law Enforcement and Promotion

Clean Growth FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
		awareness about greenwashing and promote compliance with the *Competition Act,* the *Consumer Packaging and Labelling Act*, and the *Textile Labelling Act.*	Canada by addressing false or misleading green claims and deceptive marketing practices through enforcement as well as stakeholder education and outreach. **SDG: 12:** Responsible Consumption and Production	public outreach to inform Canadian consumers about greenwashing and business about their obligations under the *Competition Act*, the *Consumer Packaging and Labelling Act* and the *Textile Labelling Act.* **Performance indicator:** The number of environmentally-related social media posts published by the Competition Bureau. The number of guidance messages or alerts posted on the Competition Bureau's website. **Target:** Increase in the amount of public outreach (e.g. social media posts) on greenwashing.	
	Support voluntary action to reduce environmental impacts	ISED's Office of Consumer Affairs will promote sustainable consumption practices by continuing to work with key partners to ensure that consumers have the information and tools needed to protect their interests.	**FSDS:** By providing consumers with information and tools they need to be able to practice informed sustainable consumption, the Office of Consumer Affairs is supporting voluntary action to reduce environmental impacts and promote clean growth. Examples include tips on preventing waste and responsible disposal of waste that does occur, a guide for homeowners on greening their home, and explanations of green labels, etc. **SDG** 12: Responsible Consumption and Production	**Starting point:** The Office of Consumer Affairs partnered with Environment and Climate Change Canada (ECCC) to update and create new web content for consumers on how to Be a green consumer, which went live in December 2019. As such, 2020-2021 will be the baseline year for reporting. **Performance indicator:** Number of visitors accessing information about sustainable consumption, on Innovation, Science and Economic Development Canada's website and other websites ISED maintains.	Consumer Affairs (DG, Small Business, SBMS) – Policy, Contribution Program for Non-Profit Consumer and Voluntary Organizations

Effective Action on Climate Change: A low-carbon economy contributes to limiting global average temperature rise to well below two degrees Celsius and supports efforts to limit the increase to 1.5 degrees Celsius

Responsible Minister: Minister of Environment and Climate Change; supported by a whole-of-government approach to implementation

Effective Action on Climate Change **FSDS target(s)**	FSDS contributing **action(s)**	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s) Performance indicator(s) Target(s)***	**Program(s)** in which the departmental actions will occur
By 2030, reduce Canada's total GHG emissions by 30%, relative to 2005 emission levels	Develop a solid base of scientific research and analysis on climate change	Continue to fund and support third-party science and research organizations (TPOs) in Canada working on climate change, including on resilience, mitigation and adaptation efforts (organizations include Genome Canada and Canadian Institutes for Advanced Research).	**FSDS:** To help Canada maintain its world-leading science, research and innovation capacity, ISED funds and supports third-party science and research organizations in Canada. In turn, these TPOs fund and support research activities that could enhance and/or provide analysis, data, tools and/or solutions to aid Canada's actions on climate change. Examples of funded research activities include climate change mitigation and adaptation efforts related to sustainable food production, forest protection and growth, bio-surveillance and tracking, cleaner and renewable energy, decontamination and waste remediation. **SDG:** SDG 9: Industry, Innovation and Infrastructure SDG 13: Climate Action	**Starting points:** Genome Canada: In 2018-19, there were 38 active multi-year climate change-related genomics research projects based in Canadian universities awarded a total of $64,792,618 from Genome Canada, which leveraged $141,765,207 from other sources Canadian Institutes for Advanced Research (CIFAR): For 2018-19, CIFAR invested $1.23M of the ISED contribution in its Bio-inspired Solar Energy research program which has leveraged an additional $605,000 from other sources **Performance indicator:** Annual number or value of research activities related to climate change supported by third-party research organizations funded by ISED	Higher Education Sector Science and Research

	Support businesses and Canadians in taking action to reduce greenhouse gas emissions	Fund the development and/or adoption of technologies to reduce greenhouse gas emissions through the Strategic Innovation Fund's (SIF) Net-Zero Accelerator Fund	**FSDS:** To support businesses in taking action to reduce greenhouse gas emissions, SIF's Net Zero Accelerator initiative will fund clean technology development and adoption projects, including near-term decarbonization projects with large industrial emitters; clean technology development and adoption projects in the aerospace and automobile sectors; projects that support the development of a battery innovation and industrial ecosystem; as well as promising clean technology projects from any sector. **SDG:** SDG 9, Industry, Innovation and Infrastructure	**Starting Point:** SIF is introducing new requirements for project-level GHG estimation (2021), and will provide a baseline and target next year (2022) for estimated annual reductions in GHG emissions from SIF-funded projects. **Performance Indicators:** Once the project level GHG estimation requirement is introduced, SIF will be able to determine the annual estimated reductions in GHG emissions from SIF-funded projects (on/around November 2022)	Strategic Innovation Fund/Innovation in Business
	Support businesses and Canadians in taking action to reduce greenhouse gas emissions	Strategic Innovation Fund (SIF) clients commit to greenhouse gas reduction targets in their Sustainability Plans.	**FSDS:** To support businesses taking action to reduce greenhouse gas emissions SIF recipients will be required to develop a Sustainability Plan, which will include concrete commitments around improving environmental sustainability outcomes including addressing GHG reductions. **SDG:** SDG 9, Industry, Innovation and Infrastructure	**Starting Point:** As of March 2020, 14% of SIF funded projects commit to reducing greenhouse gas emissions by recipient companies. This accounts for 12% of total SIF contributions. **Performance Indicator:** Percentage of projects (and associated percentage of SIF contributions) that commit to reducing greenhouse gas emissions by recipient companies.	Strategic Innovation Fund/Innovation in Business

Zero-emission vehicles will represent 10% of new light-duty vehicle sales by 2025, 30% by 2030 and 100% by 2040	Work with partners on climate change	Innovation, Science and Economic Development Canada (ISED), along with Transport Canada, co-lead Canada's approach to increasing the production of zero-emission vehicles (ZEV).	**FSDS:** By collaborating actively with automotive sector original equipment manufacturers and other critical suppliers, ISED is supporting sector growth and increasing the production of ZEVs. Low-carbon manufacturing in other mobility technologies is also being advanced, e.g. in air, bus, rail, etc. **SDG: 9** Industry, Innovation and Infrastructure	**Starting point:** October 2020 commitments to invest in ZEV manufacturing, building on Budget 2019 commitments to work with automotive manufacturers to increase ZEVs. **Performance indicator:** Investments and business decisions are identified in collaboration with industry to increase adoption of ZEVs in Canada. **Target:** Investments and business decisions are identified in collaboration with industry to increase production of ZEVs in Canada.	Business Policy and Analysis
	Support businesses and Canadians in taking action to reduce greenhouse gas emissions	Subject to an increase of targeted funding, Measurement Canada in collaboration with other departments is 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.	**FSDS:** In parallel with the Zero-Emission Vehicles (ZEV) program and related incentives, involvement of Measurement Canada as the regulatory authority for approving measuring devices like charging and refueling devices, will ensure accuracy of trade measurements for Canadian consumers and businesses, and enhance their confidence in the trade process. This in turn will increase (or promulgate/promote) ZEV market demand. Consequently, the approval on the market of these new trade technologies will have a direct impact on the reduction of Greenhouse Gases (GHGs) and other toxic emissions helping Canada to meet its GHG reduction targets. **SDG:** 7 Affordable and Clean Energy and	**Starting point:** Fall 2020 initiating Measurement Canada preliminary planning and technical needs for approval and inspection of ZEV measuring devices. **Performance indicator:** Number of trade measurement charging and refuelling devices approved in Canada. Number of compliant trade measurement charging and refuelling devices in Canadian marketplace.	Trade measurement

				Targets:
			9 Industry, Innovation and Infrastructure	To be determined based on funding and success of ZEV programs (Federal, Provincial) and deployment of ZEV into the Canadian marketplace.
Actions supporting the Goal: Effective Action on Climate Change *This section is for actions that support the Effective Action on Climate Change Goal but do not directly support a FSDS target*	Develop a solid base of scientific research and analysis on climate change	Continue to fund third-party science and research organizations in Canada, such as the Canada Foundation for Innovation (CFI), that support climate change and environmental sustainability goals	**FSDS:** Examples of funded research activities include understanding greenhouse gas emissions from agriculture; however, GHGs are not a core reporting metric for CFI. Rather the CFI collects data on the number of projects reporting at least one environmental benefit, which could include climate change. **SDG:** SDG 9: Industry, Innovation and Infrastructure SDG 13: Climate Action	**Starting point:** 2019: 228 projects funded by CFI reported at least one environmental benefit **Performance indicator:** Annual number of CFI-funded projects reporting at least one environmental benefit, including climate change	Higher Education Sector Science and Research

Modern and Resilient Infrastructure: Modern, sustainable, and resilient infrastructure supports clean economic growth and social inclusion

Responsible Minister: Minister of Infrastructure and Communities

Modern and Resilient Infrastructure FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	**Program(s)** in which the departmental actions will occur
By the end of 2027-28 fiscal year, invest $26.9 billion in funding for green infrastructure initiatives that reduce greenhouse gas emissions and improve climate resilience and environment quality	Support low-carbon, resilient infrastructure	The Standards Council of Canada (SCC) will continue to fund and facilitate the development and updating of standards, guidance, and tools, and pursue other standardization-related projects, to improve the climate resilience and environmental performance of Canadian infrastructure.	**FSDS:** Continue to fund and facilitate new and updated standards, guidance, and other tools to reflect current and expected climate change trends represents a direct investment in Canada's knowledge base to support low-carbon and climate-resilient infrastructure, under the 2016-2021 Standards to Support Resilience in Infrastructure Program, and possible future programs. **SDG:** SDG9: Industry, innovation and infrastructure SDG11: Sustainable cities and communities	**Starting point:** As of May 2020, 41 standards, guidance, and other standardization strategies have been developed under SCC's 2016-2021 Standards to Support Resilience in Infrastructure Program. **Performance indicator:** Number of additional standards, guidance, and other standardization strategies developed. **Target:** 3 additional standards, guidance, or other standardization strategies developed by 2021;	Business Conditions Policy
	Other	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.	**FSDS:** 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	**Starting point:** In 2019, 87.4% of Canadian households had access to minimum Internet speeds of 50/10 Mbps (CRTC) **Performance indicator:** Percentage of Canadian households with access to	Spectrum and Telecommunications Sector - Bridging Digital Divides

Modern and Resilient Infrastructure FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s) Performance indicator(s) Target(s)***	**Program(s)** in which the departmental actions will occur
			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 $1.75 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 to benefit Indigenous peoples. ISED has also secured advanced, new, low-latency **Low Earth Orbit satellite capacity** with Telesat 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 high-speed Internet backbone infrastructure and the delivery of high-speed broadband to 975 communities, including 190 Indigenous communities.	minimum Internet speeds of 50/10 Mbps **Targets:** 98% of Canadian households will have access to minimum Internet speeds of 50/10 Mbps by December 31, 2026, and 100% by 2030	

Greening Government: The Government of Canada will transition to low-carbon, climate resilient, and green operations
Responsible Minister: All ministers

This goal captures commitments from the Greening Government Strategy, as well as reporting requirements under the Policy on Green Procurement.

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s) Performance indicator(s) Target(s)***	**Program(s)** in which the departmental actions will occur
Reduce GHG emissions from federal government facilities and fleets by 40% below 2005 levels by 2030 (with an aspiration to achieve this target by 2025) and 80% below 2005 levels by 2050 (with an aspiration to be carbon neutral)	All new buildings and major building retrofits will prioritize low-carbon investments based on integrated design principles, and life-cycle and total-cost-of ownership assessments which incorporate shadow carbon pricing	Shirleys Bay: Replace fluorescent lighting fixtures in Buildings 2A, 2B, 2C and 2D with LED high efficiency lighting.[2]	Replacing the florescent lighting with high efficiency LED will reduce the GHG emissions.	Indicator: % GHG reduction from 2005-06 baseline for facilities. Start: 49% reduction as of 2018-19 for Shirley's Bay Target 40% below 2005 levels by 2030 / 80% below 2005 levels by 2050	Spectrum and Telecommunications Sector – Communications Research Centre
		As part of the current STS monitoring infrastructure renewal project existing STS remote monitoring facilities are being reviewed as to whether or not they will be retained, relocated to more suitable locations or permanently shutdown. Once this review has been completed any sites that STS currently owns (i.e. real property as opposed to leased sites) and that will not be relocated can be GHG baselined. Sites that will be moved can be GHG baselined a year following their relocation and those being decommissioned will need no further action with respect to GHG emissions. This review is expected to be completed by 2023-2024.	By determining which spectrum monitoring sites STS plans to retain, it will be able to determine which sites require a GHG emission baseline.		Spectrum and Telecommunications Sector – Spectrum Management Operations Branch

---

[2] Discussions are currently underway with the Department of National Defence (DND) to transfer custodianship of Shirleys Bay Campus by March 31, 2021. As a result of these ongoing discussions, ISED will not be making significant changes (such as large scale construction or demolition projects) to the infrastructure until the future of the custodianship is finalized. Should the decision be made that ISED remains the custodian of Shirleys Bay Campus, DSDS targets will be revisited and revised at that time.

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s)** **Performance indicator(s)** **Target(s)***	**Program(s)** in which the departmental actions will occur
	Fleet management will be optimized including by applying telematics to collect and analyze vehicle usage data on vehicles scheduled to be replaced	Reduce GHG emissions from ISED's fleet (MC, STS, FedNor, SIPS, CRC, OCS) 40% below 2005 levels by 2030, with an aspiration to achieve target by 2025 and 80% below 2005/06 by 2050 Equip regional offices across the country with greener, more environmentally friendly vehicles to replace older vehicles for spectrum management operations (STS-DGSO-DSMI) (where vehicles are available and where operational needs permit). Develop a fleet management plan that will incorporate ZEV targets (STS-CRC) Please see additional contributions under fleet management optimization Target within this Goal as well as additional contributions under the 80% ZEV fleet by 2030 Goal.	To reduce emissions, ISED will: right size the fleet to reduce the # of vehicles; buy more efficient vehicles; buy battery electric vehicles; and buy plug-in hybrid vehicles.	**Starting point**: GHG emissions from ISED's fleet in fiscal year 2005–06 base year: = 1.911 $ktCO_2e$. **Performance indicator**: • GHG emissions from fleet in current reporting fiscal year = [ ] ktCO2e. • Performance Indicator: [ ] % reduction in fleet emissions relative to 2005-06 **Target**: Reduce GHG emissions from ISED's fleet (MC, STS, FedNor, SIPS, CRC, OCS) 40% below 2005 levels by 2030, with an aspiration to achieve target by 2025 and 80% below 2005/06 by 2050	Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management Note: ISED's fleet GHG emission reduction target includes: Small Business and Marketplace Services - Measurement Canada; Spectrum Telecommunications Sector- Communications Research Centre and Spectrum Management Operations Branch (Spectrum Management Innovation Directorate); Strategy and Innovation Policy Sector – Federal Economic Development Initiative for Northern Ontario; and the Office of the Corporate Secretary.
		Analyze fleet operations to examine if there are opportunities to reduce the fleet size and dispose of underutilized vehicles.	By assessing whether there are opportunities to pool vehicles or de-commission vehicles and by de-commissioning underused vehicles we will optimize our fleet.	**Starting point**: 2019 planning tool and utilization study have generated enhanced data points	Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s)** **Performance indicator(s)** **Target(s)***	**Program(s)** in which the departmental actions will occur
				Performance indicator: Fleet is assessed and underused vehicles are de-commissioned. **Target**: By March 31, 2021, ISED will have assessed needs and disposed of underutilized vehicles. Repeat annually till 2023	Note: ISED's fleet GHG emission reduction target includes: Small Business and Marketplace Services - Measurement Canada; Spectrum Telecommunications Sector-Communications Research Centre and Spectrum Management
Our administrative fleet will be comprised of at least 80% zero-emission vehicles by 2030	Fleet management will be optimized including by applying telematics to collect and analyze vehicle usage data on vehicles scheduled to be replaced	Starting in 2019-2020, 100% of ISED's new light-duty administrative fleet purchases will be zero-emission vehicles (where vehicles are available and where operational needs permit).	When ISED has to buy a new light-duty administrative vehicle it will be a ZEV. (Where vehicles are available and where operational needs permit).	**Starting point**: Total percentage of ZEVs in ISEDs light-duty administrative fleet: 3.6% (April 1, 2020) **Performance indicator**: % of new light duty administrative vehicles that are ZEV **Target**: 100% of ISEDs new light duty administrative vehicle purchases are ZEVs starting in 2019-2020 and every year till 2023 (where vehicles are available and where operational needs permit).	Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management Note: Scope of ISED's administrative fleet includes: Measurement Canada, STS, FedNor SIPS, CRC.
		Starting in 2020-2021 75% of new light-duty unmodified fleet vehicle purchases will be zero-emission vehicles where more than one option per vehicle class is available and considers operational feasibility.	In the majority of instances, when ISED needs to buy a new light-duty unmodified vehicle it will buy a ZEV where more than one option per vehicle class is available and considering operational feasibility.	**Starting point**: Total percentage of light duty unmodified ZEVs in ISEDs fleet: 1.4% (April 1, 2020) **Performance indicator**: % of new light-duty unmodified ZEV purchases per year	Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management Note: Scope of ISED's administrative

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s)** Performance indicator(s) Target(s)*	**Program(s)** in which the departmental actions will occur
				Target: 75% of new light duty unmodified fleet vehicle purchases are ZEVs starting in 2020-2021 and until 2023 assuming vehicle class availability and operational feasibility	fleet includes: Measurement Canada, STS, FedNor SIPS, CRC.
		Develop an approach to ensure an adequate charging infrastructure is available for ISED's current and forthcoming ZEV fleet (MC, STS, FEDNOR, SPS, CRC).	ISED will engage key stakeholders to establish a committee and terms of reference to address charging station infrastructure. ISED will analyze fleet data to identify locations across the department where EV infrastructure is most required based on vehicle replacement cycles and ZEV availability.	**Starting point**: No committee for ISED EV charging exists; currently one location within ISED has dedicated charging infrastructure for Executive vehicles only. **Performance Indicator:** Engage key stakeholders and establish a committee to address charging station infrastructure. **Target**: Committee is established by March 31, 2021	Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management
Divert at least 75% (by weight) of non-hazardous operational waste from landfills by 2030	Other	Expand the workplace eLearning tool.	ISED will take action to expand the workplace eLearning tool in order to reduce materiel, waste and overall carbon footprint.	By March 31, 2021, ISED will develop 1 eLearning product. By March 31, 2022 ISED will develop a minimum of 1 additional eLearning products By March 31, 2023, ISED will develop a minimum of 1 additional eLearning products.	Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management
	Other	ISED will take action to eliminate plastics at meetings, events and when employees are on travel status.	By developing guidance, ISED will bring the newly developed guide into the hands of ISED staff organizing meetings and events and staff on travel status	**Starting point:** Meetings & Events: Information not available. Travel status: CFSPB to provide. **Performance Indicator:** % of events and meetings where single-use plastics are utilized & # water	Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s)** **Performance indicator(s)** **Target(s)***	**Program(s)** in which the departmental actions will occur
Divert at least 75% (by weight) of plastic waste from landfills by 2030				bottles reimbursed for travel status per year **Target**: 100% of ISED meetings and events are plastic-free by 2030. Elimination of 75% of water bottle reimbursement for travel status.	
	Other	ISED will seek to eliminate water coolers in all ISED facilities where a potable water source is accessible, and will seek for the applicable base-building management to install carbon filter water bottle filling stations (filling stations counts how many plastic bottles have been saved) in key buildings where potable water is available.	By removing water coolers and installing carbon filter water bottle filling stations, single use plastics will be reduced and GHG emissions from waste will be reduced.	**Performance indicator**: # of plastic water cooler bottles saved **Target:** Elimination of plastic water bottles (minimum of 75%) in the work place.	Internal Services Corporate Facilities and Security Branch
	Other	Eliminate plastic pouches for employee ID cards by punching a hole in the physical ID Card - initiative completed	Reduce the usage of single use plastics Reduce GHG emissions from waste	**Performance indicator:** # of plastic pouches saved **Target:** Complete elimination of plastic pouches for employee ID Cards by March 2021.	Corporate Facilities and Security Branch
Divert at least 90% (by weight) of all construction and demolition waste from landfills (striving to achieve 100% by 2030)	Other	Construction and demolition waste (where applicable) from the decommissioning of STS remote spectrum monitoring sites will be diverted away from landfill sites where practically and economically feasible	As part of the STS site demolition process, requirements for diversion will be published in appropriate demolition tenders with bidders required to respond to how much waste they will be able to	Spectrum and Telecommunications Sector – Spectrum Management Operations Branch

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s)** Performance indicator(s) Target(s)*	**Program(s)** in which the departmental actions will occur
			divert and how they will accomplish this.		
By 2030, 75% of domestic office lease transactions must be carbon neutral in situations where the federal government represents 75% or greater of the occupied space (square metres), market conditions permit and a competitive environment exists	In all new domestic office leases and lease renewals for space more than 500 square metres, landlords must report building energy and water usage and waste generated using EnergySTAR Portfolio Manager	In any new office leases and lease renewals awarded after April 1, 2025, where market conditions and a competitive environment exists, FedDev Ontario will give preference to buildings with the highest available EnergySTAR Portfolio Manager score.	FedDev Ontario's real property and procurement actions advance federal government greenhouse gas emission reduction and green procurement as well as SDG 9 (Industry, Innovation and Infrastructure), by supporting initiatives that promote inclusive and sustainable operations and investing in clean technology and process adoption.	All new domestic office leases and lease renewals awarded after April 1, 2025, where the federal government is the majority tenant, market conditions permit and a competitive environment exists, preference will be given to buildings with the highest available ENERGY STAR® Portfolio Manager score	FedDev Ontario Internal services
By 2022, departments have developed measures to reduce climate change risks to assets, services and operations	Increase training and support on assessing climate change impacts, undertaking climate change risk assessments and developing adaptation actions to public service employees, and facilitate sharing of best practices and lessons learned	Develop a Business Continuity Plan that considers all hazards including climate change risks to assets, services and operations.	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.	Starting point: In 2018-19, ISED has incorporated climate change considerations in business continuity plans. Performance indicator: % of ISED's Business Continuity Plans include climate change considerations via an all-hazards approach Target: 100% every year between 2020-2023	CMS/Corporate Facilities and Security Branch
Use 100% clean electricity by 2025	Other	Participate in PSPC-led clean electricity purchase (CRC)	Replacing emitting electricity with clean reduces emissions from electricity consumption	Indicator % of electricity consumption that is non-emitting Starting: 97.10% in 2018-19	Spectrum and Telecommunications Sector - CRC

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s)** **Performance indicator(s)** **Target(s)***	**Program(s)** in which the departmental actions will occur
				Target: 100% by 2025	
		The remote spectrum monitoring network evaluation for infrastructure renewal will examine potential methods to economically supply part or all of their electricity supply from cleaner sources	As part of the current STS monitoring infrastructure renewal project, existing STS remote monitoring facilities are being reviewed as to whether or not they will be retained, relocated to more suitable locations or permanently shutdown. Once this review has been completed, any sites that STS currently owns (i.e. real property as opposed to leased sites) and that will not be relocated can have electricity consumption baselined. Sites that will be moved can be baselined a year following their relocation and those being decommissioned will need no further action with respect to electricity consumption.

Once baselining is completed, electricity consumption data will be reviewed and analyzed for economical/practical options to reduce reliance on electricity sources that contribute directly to GHG emissions. This review will provide recommendations for changes on a per site basis with associated rational. This review is expected to be completed by 2023-2024 and will provide | TBD | Spectrum and Telecommunications Sector – Spectrum Management Operations Branch |

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s)** **Performance indicator(s)** **Target(s)***	**Program(s)** in which the departmental actions will occur
			recommendations for changes on a per site basis with associated rational.		
Actions supporting the Goal: Greening Government	Support for green procurement will be strengthened, including guidance, tools and training for public service employees	Incorporate environmental considerations into Employee Performance Agreements for functional heads in procurement and materiel management	By incorporating environmental considerations into functional heads of procurement performance agreements' ISED will strengthen support for green procurement	**Starting point**: 100% **Performance indicator**: # of PMAs with environmental considerations included **Target:** 100% of managers and functional heads in procurement and materiel include environmental considerations in their Performance Management Agreements (PMA) from 2020-2023	Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management
	Support for green procurement will be strengthened, including guidance, tools and training for public service employees	Require all contracting and purchasing authorities to take Green Procurement Training (C215 Canada School of Public Service)	By requiring employees to take green procurement training, support for green procurement will be strengthened.	**Starting point**: 100% of new ISED procurement and materiel management specialists take green procurement training **Performance indicator**: % of new employees who take C215 from the Canada School of Public Service (CSPS) **Target**: 100%	Internal Services Corporate Finance Systems Procurement Branch Contract and Materiel Management
	Support for green procurement will be strengthened, including	Providing green procurement training and guidance to employees at FedDev Ontario.	By taking action to ensure that its specialists in procurement and/or materiel management complete the Canada School of Public Service Green	**Starting Point:** Over 50% of our procurement management team have completed the Canada Public Service Green Procurement Course (C215)	Internal services (FedDev Ontario)

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding departmental action(s)	Contribution by each departmental action to the FSDS goal and target	Starting point(s) Performance indicator(s) Target(s)*	Program(s) in which the departmental actions will occur
	guidance, tools and training for public service employees		Procurement course (or equivalent) in the given fiscal year, FedDev Ontario will strengthen support for green procurement.	**Performance Indicator**: % of specialists in procurement and/or materiel management who have completed the Canada Public Service Green Procurement Course (C215) or equivalent **Target:** 100% of our procurement management team will have completed the Canada Public Service Green Procurement Course (C215) or equivalent	
	Other	ISED has rolled out Microsoft Teams to all of ISED's employees while continuing to work with SSC to integrate older video conferencing tools with Microsoft Teams. The service allows employees to host and participate in virtual meetings, co-edit documents, and collaborate on projects with their peers without having to travel. Aging teleconference phones are to be replaced with the newest Polycom Trio solution, which will provide Microsoft Teams capabilities in small and medium boardrooms. ISED will continue to release additional Office 365 tools to its users such as Live Event, Forms and Stream to improve ISED's collaboration capabilities.	By increasing ISED's virtual collaboration capabilities, employee travel is reduced thereby saving greenhouse gas emissions.	**Starting Point**: 70% of ISED's employees actively use Microsoft Teams (June 2020) **Performance Indicator:** Increase in the use of Microsoft Teams **Target**: 90% by 2023	Digital Transformation and Services Sector
	Other	ISED will digitize the following files: • Public Service Employee Survey binder elimination • Staffing files (digitized since October 2019) • Security screening files digitized by March 31, 2021	Reduce waste sent to landfill. Reduce GHG emissions from waste transportation.	**Performance indicator:** # of files digitised **Target:** All files and processes are fully digital by 2021-22.	Internal Services Corporate Facilities and Security Branch Corporate Finance Systems Procurement

Greening Government Communities FSDS target(s)	FSDS contributing action(s)	Corresponding **departmental action(s)**	**Contribution** by each departmental action to the FSDS goal and target	**Starting point(s) Performance indicator(s) Target(s)***	**Program(s)** in which the departmental actions will occur
		• Procurement/Contracting Files: Feasibility assessment underway • Procurement Process Modernization Initiative (PPMI) and digital signatures underway			Branch Contract and Materiel Management Human Resources Branch

*Starting points, performance indicators and targets are provided where available and appropriate depending on the status and nature of the program.

Section 4: Integrating sustainable development

All Canadians must take concrete action to position Canada to compete in the context of an accelerated global transition to a low-carbon and clean growth economy. Skills development, training for green jobs, and empowering all members of our communities through social inclusion are priorities for ISED. Recognized as one of Canada's top employers for our work on diversity and inclusion, ISED will continue to advance policy and program synergies at the inter-section of clean growth, climate change and social inclusion.

Advancing these synergies between the economic, environmental and social pillars of sustainable development is part of ISED's core legislative mandate, and is central to ISED's ongoing contribution to the UN SDG's. ISED commits to working with stakeholders as well as with our portfolio and associated portfolio partners as more of these organizations assume their own leadership responsibilities for tabling three-year forward-looking Departmental Sustainable Development Strategies. ISED will continue to be a key partner to co-create these strategies to ensure intra-portfolio learning, alignment, and amplification the greatest extent possible.

ISED's 2020-2023 DSDS elaborates how ISED will meet the goals and targets set out in the 2019-2022 FSDS that was tabled in Parliament in June 2019, and uses the latest available data for each indicator at the time of tabling (October 2020). However, the data and targets in this report must be seen in light of the COVID-19 pandemic. The pandemic disrupted global supply chains with widespread impacts on households and small businesses in many sectors. ISED will monitor those impacts throughout the duration of the DSDS.

Through its administration of the Strategic Environmental Assessment (SEA) process, ISED is committed to ensuring that internal decision-making processes include the consideration of FSDS goals and targets. An SEA for a policy, plan, presentation, or program proposal must include an analysis of the impacts of the given proposal on the environment, including its contribution to relevant FSDS goals and targets. Public statements on the results of ISED assessments are made available when an initiative has undergone a detailed SEA. The purpose of the public statement is to demonstrate that the environmental effects, including the impacts on achieving the FSDS goals and targets, of the approved policy, plan or program have been considered during proposal development and decision-making.

ISED leads and co-leads a number of programs and initiatives related to deploying clean technology in the marketplace both domestically and globally (e.g. the Clean Growth Hub, Innovative Solutions Canada). As ISED owns little real property as custodians (vs. as a lessee), ISED has a limited ability to adopt or demonstrate clean technology in our own real property operations. As well, ISED has a comparatively small fleet (approx. 300 vehicles) and so testing and piloting new transportation technologies (e.g. conversion of trucks) is generally done by larger departments. Nevertheless, ISED will continue to evaluate opportunities for the testing and demonstration of novel clean technologies in ISED's operations as we strive to lead by example.

ISED is committed to make 100 percent of its new light-duty administrative fleet purchases ZEV as of 2019-20 onwards, where vehicles are available and where operational needs permit. In addition, ISED will take action to eliminate plastics across its operations, from employee security card pouches through to removing disposable water bottles, including for employees while on travel status. Finally, ISED is also committing to digitize as many paper processes as possible by 2021, including its manual paper-based procurement system.