



Government
of Canada

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ACHIEVING A

SUSTAINABLE FUTURE

A FEDERAL SUSTAINABLE DEVELOPMENT STRATEGY FOR CANADA
2016–2019
SPRING 2017 UPDATE

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SPRING 2017 UPDATE

The [Federal Sustainable Development Strategy](#) sets out federal sustainable development priorities, establishes goals, targets and short-term milestones, and identifies actions to achieve them.

When we tabled the 2016–2019 Federal Sustainable Development Strategy in October 2016, we committed to continually update it to incorporate new commitments, decisions and actions, as well as to provide periodic updates on progress toward our milestones, targets and goals. These updates will ensure the strategy remains relevant throughout its entire three-year cycle.

We have already made significant progress toward our sustainable development goals, including steps such as ratifying the Paris Agreement, working with provinces, territories and Indigenous Peoples to develop the Pan-Canadian Framework on Clean Growth and Climate Change, and announcing the \$1.5 billion Oceans Protection Plan.

Our first update to the 2016–2019 strategy reflects this progress, providing early results for short-term milestones supporting each of our thirteen sustainable development goals. It also updates the key priorities set out in the strategy by incorporating new commitments, including announcements from Budget 2017.

We will continue to update the strategy periodically throughout its three-year cycle. Through ongoing updates, we will continue to report on short-term milestones and update our key priorities. Future updates will also include reporting on our targets and providing detailed information on departments' and agencies' sustainable development commitments and results.

EFFECTIVE ACTION ON CLIMATE CHANGE

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
By the end of Fall 2016, First Ministers are expected to agree on Canada's approach to climate change via a Pan-Canadian Framework on Clean Growth and Climate Change, which will put Canada on the path to meeting its 2030 target and taking action on adaptation and clean technology	The Pan-Canadian Framework on Clean Growth and Climate Change was adopted by the First Ministers of the federal government and 11 provinces and territories on December 9, 2016.
Ratify the Paris Agreement by the end of 2016	Canada ratified the Paris Agreement on October 5, 2016.
Along with the US and Mexico, Canada has committed to develop a mid-century, long-term low-greenhouse gas emissions development strategy by the end of 2016	Canada's Mid-Century Long-Term Low-Greenhouse Gas Development Strategy was released on November 17, 2016.

KEY PRIORITIES UPDATE

UPDATE: PAN-CANADIAN FRAMEWORK

We will take action to implement the [Pan-Canadian Framework on Clean Growth and Climate Change](#), which was released on December 9, 2016. Federal action will support each of the framework's four pillars—pricing carbon pollution; complementary measures to further reduce emissions across the economy; measures to adapt to the impacts of climate change and build resilience; and actions to accelerate innovation, support clean technology, and create jobs. We will continue to recognize, respect and safeguard the rights of Indigenous Peoples as we take actions under these pillars.

Under our [pan-canadian approach to pricing carbon pollution](#), all Canadian jurisdictions will have carbon pricing in place by 2018. We will provide a “backstop” pricing system for provinces and territories that do not meet the benchmark in 2018. To this end, we released a [technical paper on the federal carbon pricing backstop](#) on May 18, 2017.

To complement actions to reduce greenhouse gas emissions under the Pan-Canadian Framework, we will publish a Strategy on Short-Lived Climate Pollutants in 2017. The Strategy will outline a holistic approach to addressing short-lived climate pollutants—which include black carbon, methane, hydrofluorocarbons and ground-level ozone—by enhancing domestic mitigation efforts; increasing science and communications; systemically engaging in international fora; improving coordination of activities; and collaborating with provincial and territorial governments and other partners.

UPDATE: INTERNATIONAL ACTION AND THE PARIS AGREEMENT

Canada will continue to be an active Party at COP23, which will take place in Bonn, Germany, to advance the implementation of the Paris Agreement and negotiate its work programme. Canada will also work multilaterally to advance priorities, including by co-hosting an international climate change ministerial meeting in September 2017.

To further support international efforts to address climate change, we have ratified the Kigali Amendment to phase down HFCs under the Montreal Protocol in time for the next Meeting of the Parties, which Canada will host in Montreal in November 2017. We will encourage Parties to ratify the Kigali Amendment as soon as possible in order for it to come into force by January 1, 2019.

UPDATE: NORTH AMERICAN CLIMATE, CLEAN ENERGY AND ENVIRONMENT PARTNERSHIP

Budget 2017 announced \$11.4 million over four years to support the accelerated replacement of coal-fired electricity generation by 2030 and set leading performance standards for natural-gas-fired electricity generation, as well as \$17.2 million over five years to develop and implement heavy-duty vehicle retrofit and off-road regulations and a clean fuel standard. This work has already begun—for example, we have announced that we will consult on a clean fuel standard; issued a Notice of Intent to amend the Reduction of Carbon Dioxide Emissions from Coal-fired Generation of Electricity Regulations and develop regulatory requirements for natural gas-fired electricity generation; and proposed amendments to the Heavy-Duty Vehicle and Engine Greenhouse Gas Emission Regulations.

To support our commitment to phase out inefficient fossil fuel subsidies, Budget 2017 also announced modifications to the tax treatment of successful oil and gas exploratory drilling and removal of the tax preference that allows small oil and gas companies to reclassify Canadian development expenses as immediately deductible Canadian exploration expenses when they are renounced to flow-through share investors.

Additionally, in February 2017, Prime Minister Trudeau and President Trump issued a joint statement that included a commitment to work together on energy security, a robust and secure energy grid, and strong and resilient energy infrastructure that contributes to energy efficiency.

UPDATE: MISSION INNOVATION

In November 2016, ministers from Mission Innovation member countries announced the launch of seven [Innovation Challenges](#), global calls to action aimed at catalyzing global research efforts in areas that could provide significant benefits in reducing greenhouse gas emissions.

UPDATE: CLIMATE PLEDGE FOR DEVELOPING COUNTRIES

At COP22 in December 2016 we announced that \$1.8 billion of our \$2.65 billion pledge will be used to leverage private-sector support for developing countries' efforts to transition to cleaner, more sustainable economies. As part of our pledge, we have also announced our support for a number of [initiatives](#) that will accelerate global climate action in developing countries. As of May 11, 2017, Canada has announced \$821 million to help developing countries transition to a low-carbon and climate-resilient economy.

UPDATE: WORKING WITH PARTNERS AND REDUCING GREENHOUSE GAS EMISSIONS

Budget 2017 announced:

- ◆ \$135.4 million over four years to enhance action on short-lived climate pollutants, decarbonize the transportation system, and maintain policy and coordination capacity, as well as to develop a legislative framework for offshore renewable energy projects; and
- ◆ \$26.4 million over five years to support Indigenous collaboration on climate change.

Budget 2017 also adjusted the funding profile of the Low Carbon Economy Fund from two years to five to ensure the efficient and well planned use of the funds.

UPDATE: BUILDING RESILIENCE

Budget 2017 announced:

- ◆ \$2 billion over 11 years for a new Disaster Mitigation and Adaptation Fund to support national, provincial and municipal infrastructure required to deal with the effects of a changing climate;
- ◆ \$73.5 million over five years to establish a new Canadian Centre for Climate Services and build regional adaptation capacity and expertise;
- ◆ \$47.0 million over five years to develop and implement a national action plan to respond to health risks caused by climate change;
- ◆ \$18.0 million over five years to implement a climate change and health adaptation program for First Nations and Inuit communities;
- ◆ \$83.8 million over five years to integrate traditional Indigenous knowledge to build a better understanding of climate change and to guide adaptation measures and to enhance resilience in Indigenous and northern communities;
- ◆ \$21.6 million over four years to continue the Aquatic Climate Change Adaptation Services Program and the Northern Transportation Adaptation Initiative; and
- ◆ \$16.4 million over five years to ensure that federally managed roads, bridges, rail systems and ports are able to withstand the effects of natural disasters, climate change and extreme weather events.

The 2016 Fall Economic Statement and Budget 2017 included commitments to invest in green infrastructure, including infrastructure projects that help communities prepare for challenges that result from climate change.

LOW-CARBON GOVERNMENT

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
Be an early adopter of building standards to be established through the Pan-Canadian Framework on Clean Growth and Climate Change for all new government buildings and leases, where applicable	The Pan-Canadian Framework on Clean Growth and Climate Change includes the development of a “net-zero energy ready” model building code. It also includes a commitment by federal, provincial and territorial governments to scale up efforts to transition their own buildings to highly efficient buildings, as well as a goal for the federal government to use 100% clean power by 2025.
Establish a complete and public inventory of federal greenhouse gas emissions and energy use	As announced on November 2, 2016, an initial priority of the Centre for Greening Government is to align the way we measure greenhouse gas emissions with international standards to provide an accurate picture of our progress.
Encourage departments to take action to innovate sustainable workplace practices	The Centre for Greening Government, through its outreach and engagement, works with federal departments and agencies to explore, share and implement sustainable workplace practices. A Treasury Board President’s Roundtable on Greening our Work Culture was held on February 23, 2017.
Review procurement practices to align with green objectives	The Pan-Canadian Framework on Clean Growth and Climate Change includes a commitment to work with provinces and territories to modernize procurement practices, adopt clean energy and technologies, and prioritize opportunities to help Canadian businesses grow, demonstrate new technologies, and create jobs.

KEY PRIORITIES UPDATE

NEW: CENTRE FOR GREENING GOVERNMENT

The Centre for Greening Government within Treasury Board of Canada Secretariat, announced in November 2016, will track federal greenhouse gas emissions centrally, coordinate efforts across government, and drive results to make sure we meet our objectives.

NEW: ENERGY EFFICIENCY

Budget 2017 announced \$13.5 million over five years (\$2.7 million per year) from 2022–2023 to 2027–2028 for Natural Resources Canada to provide enhanced technical support and a one-stop window to Government of Canada organizations seeking ambitious greenhouse gas emission reduction actions from their building and fleet operations.

UPDATE: CLEAN POWER

In March 2017 we announced the renewal of a previous 10-year contract for electricity, which includes an important renewable energy component. This bulk electricity initiative will create new demand for renewable electricity across Canada, including through a significant purchase of renewable electricity for National Defence installations in Alberta.

UPDATE: INNOVATIVE SOLUTIONS CANADA

Budget 2017 announced up to \$50 million to launch a new procurement program, Innovative Solutions Canada. Under Innovative Solutions Canada, a portion of funding from federal departments and agencies will be allocated towards early-stage research and development, late-stage prototypes and other goods and services from Canadian innovators and entrepreneurs. In return, we will have access to the latest, most innovative products and services.

CLEAN GROWTH

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
Develop an Inclusive Innovation Agenda by 2017	We launched the development of the Inclusive Innovation Agenda in June 2016. Details on the Agenda, now known as the Innovation and Skills Plan, were released as part of Budget 2017.
Develop a clean technology strategy for Canada's natural resource sectors by 2017	In July 2016, we invited Canadians to engage in a dialogue and share their ideas on clean technology in Canada's natural resource sectors. In December 2016 we released a final report on consultation results , including potential actionable outcomes. Several measures to support the strategy were announced in Budget 2017.

KEY PRIORITIES UPDATE

UPDATE: PAN-CANADIAN FRAMEWORK

We will take action under the [Pan-Canadian Framework on Clean Growth and Climate Change](#), released on December 9, 2016, to support clean technology and create jobs. This will include measures to encourage early-stage technology development and “mission-oriented” research. Canadian clean technology businesses will also be supported with access to capital to bring their products and services to market and a “no-wrong door” approach to help ensure full and effective access to the suite of government programs and services available to support their commercial success.

UPDATE: INNOVATION AND SKILLS PLAN

Budget 2017 announced measures that will:

- Increase financing support for Canada's clean technology sector, including nearly \$1.4 billion on a cash basis in new financing to help Canada's clean technology firms grow and expand;
- Support research, development, demonstration and adoption of clean technologies, including \$400 million over five years to recapitalize the SD Tech Fund; and
- Enhance collaboration and establish new ways of measuring success, including a comprehensive clean technology strategy. This new integrated approach will include \$15 million over four years to implement an international business development strategy, \$14.5 million over four years for a clean technology data strategy, and \$12 million over four years to establish a Clean Growth Hub.

Budget 2017 also announced new broad-based innovation initiatives that will benefit the clean technology sector, including a \$1.26 billion five-year Strategic Innovation Fund to consolidate and simplify existing business innovation programming, \$950 million over five years to support business-led innovation “superclusters”, and \$75 million over two years for clean technology challenges under the new Impact Canada Fund.

UPDATE: MISSION INNOVATION

In November 2016, ministers from Mission Innovation member countries announced the launch of seven [Innovation Challenges](#). Demonstrating leadership in Mission Innovation, Canada co-leads the [Sustainable Biofuels Innovation Challenge](#), an opportunity for governments, researchers and industry to work together on research and development of advanced biofuels.

Budget 2017 announced measures that support our Mission Innovation commitments—for example:

- measures to increase financing support for Canada's clean technology sector, including nearly \$1.4 billion in new financing to help Canada's clean technology firms grow and expand; and
- measures to support research, development, demonstration and adoption of clean technologies, including \$400 million over five years to recapitalize the SD Tech Fund, \$200 million over four years for clean technology research and the development, demonstration and adoption of clean technology in natural resources sectors, and \$229 million over four years to continue research and development activities through core clean energy and clean transportation innovation programming.

UPDATE: INVESTING IN CANADIANS

Budget 2017 announced an additional \$395.5 million over three years for the Youth Employment Strategy. Combined with Budget 2016 measures, these investments will help more than 33,000 vulnerable youth develop the skills they need to find work or go back to school; create 15,000 new green jobs for young Canadians; and provide over 1,600 new employment opportunities for youth in the heritage sector. It also builds on Budget 2016 initiatives to create new co-op placements and work-integrated learning opportunities for post-secondary students enrolled in science, technology, engineering and mathematics (STEM) and business programs.

MODERN AND RESILIENT INFRASTRUCTURE

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
Before the end of 2016–2017, have implemented initiatives under Phase 1 of Infrastructure Canada’s two-phased infrastructure plan in relation to green infrastructure, including investments of \$2 billion in new clean water and wastewater funding	As of March 8, 2017, 746 projects under the Clean Water and Wastewater Fund have been approved, including the expansion of 219 water and wastewater systems and the rehabilitation of 328 more. 201 water and wastewater projects are currently underway in Indigenous communities on reserve.
Before the end of 2017–2018, have developed and begun implementation of Phase 2 of Canada’s long-term infrastructure plan to deliver new green infrastructure funding to provinces, territories and municipalities to ensure increased investments in green infrastructure	Federal, provincial and territorial ministers responsible for infrastructure met for the first time in September 2016 to discuss longer-term investments under our infrastructure plan. The 2016 Fall Economic Statement announced \$21.9 billion over 11 years for green infrastructure, while Budget 2017 provided more detail on infrastructure investments.

KEY PRIORITIES UPDATE

UPDATE: PHASE 1 OF THE LONG-TERM INFRASTRUCTURE PLAN

The 2016 Fall Economic Statement announced \$21.9 billion over 11 years for green infrastructure. Budget 2017 provided more detail on these investments. It included a commitment to negotiate bilateral agreements with provinces and territories to provide funding for infrastructure projects, including green infrastructure. It also included a commitment to undertake national programs, proposing to provide:

- \$4 billion over 10 years to build and improve housing, water treatment systems, health facilities and other community infrastructure in Indigenous communities;
- \$2 billion over the next 11 years for a Disaster Mitigation and Adaptation Fund to support national, provincial and municipal infrastructure required to deal with the effects of a changing climate;
- \$182 million over the next 11 years to develop and implement new building codes to retrofit existing buildings and build new net-zero energy consumption buildings across Canada; and
- \$120 million over the next 11 years to deploy infrastructure for electric vehicle charging and natural gas and hydrogen refuelling stations, to develop alternative fuels codes and standards, and to support technology demonstration projects.

NEW: CANADA INFRASTRUCTURE BANK

We have committed to establish the new Canada Infrastructure Bank, an arm's-length organization that will work with provincial, territorial, municipal, Indigenous and private sector investment partners to transform the way infrastructure is planned, funded and delivered in Canada. The Canada Infrastructure Bank will be responsible for investing at least \$35 billion from the federal government into large, transformative infrastructure projects, such as regional transportation plans and electricity grid interconnections. At least \$5 billion will be available over the next 11 years for green infrastructure projects, including those that reduce greenhouse gas emissions, deliver clean air and safe water systems, and promote renewable power.

CLEAN ENERGY

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
Work with provinces and territories, including through the Canadian Energy Strategy, to increase renewable energy's share of total electricity supply	The Pan-Canadian Framework on Clean Growth and Climate Change includes measures to increase renewable energy's share of total electricity supply, including accelerating the phase-out of traditional coal units across Canada, supporting investments in transmission lines, supporting the demonstration and deployment of smart-grid technologies, and reducing reliance on diesel in Indigenous communities and northern and remote communities.

KEY PRIORITIES UPDATE

UPDATE: NORTH AMERICAN CLIMATE, CLEAN ENERGY AND ENVIRONMENT PARTNERSHIP

Building on our commitment to reduce methane emissions from the oil and gas sector, we published draft methane regulations on May 27, 2017. With these regulations, greenhouse gas emissions will be reduced by about 20 megatonnes a year, equal to removing about five million passenger vehicles from the road each year.

UPDATE: INVESTMENTS IN CLEAN ENERGY

Budget 2017 announced:

- \$220 million over the next six years to reduce the reliance of remote communities on diesel fuel and to support the use of more sustainable, renewable power solutions;
- \$400 million over the next 10 years for an Arctic Energy Fund to address energy security for communities north of the 60th parallel, including Indigenous communities;
- \$100 million over the next four years to support next generation smart grid, storage and clean electricity technology demonstration projects;
- \$200 million over the next six years to support the deployment of emerging renewable energy technologies nearing commercialization; and
- \$11.4 million over four years to support the accelerated replacement of coal-fired electricity generation by 2030 and set leading performance standards for natural-gas-fired electricity generation.

Budget 2017 also announced the extension of the accelerated capital cost allowance to a broader range of geothermal projects and expenses, and expansion of the range of geothermal energy project expenses that are eligible as Canadian renewable and conservation expenses, which can be fully deducted in the year incurred.

HEALTHY COASTS AND OCEANS

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
By 2017, 5% of coastal and marine areas are conserved through networks of protected areas and other effective area-based conservation measures	<p>New fisheries closures were announced in September 2016 contributing 0.16% to the target. We announced the designation of the Anguniavua niqiyuam Marine Protected Area (0.04%) in November 2016, as well as the designation of the Hecate Strait and Queen Charlotte Sound Glass Sponge Reefs Marine Protected Area (0.04%) in February 2017. The pre-existing federal/provincial/territorial contribution to the targets was 0.9%. With the new measures established, the percentage of protection is now at 1.14%</p> <p>Additionally, in December 2016, we proposed establishing the Scott Islands off the coast of British Columbia as a marine protected area which, if designated in 2017, will add 0.2% to the target. St. Anns Bank marine protected area is in the Canada Gazette 1 stage and will contribute 0.08%.</p> <p>Parks Canada, the Nunavut Government, and Qikiqtanai Inuit Association officials have concluded their work on assessing the feasibility of establishing a national marine conservation area in Lancaster Sound in Nunavut. Budget 2017 provides funding towards protecting the Last Ice area in the Arctic.</p>
In 2016–2019, continue to monitor Canada's ocean disposal sites and ensure a high percentage of monitored sites are being used sustainably	We carry out monitoring activities at selected disposal sites each year. The 2015–2016 results are currently being analyzed and will be available in June 2017, following the required scientific analysis, review and validation of the data.

KEY PRIORITIES UPDATE

UPDATE: OCEANS PROTECTION PLAN

In November 2016 we announced the \$1.5 billion [Oceans Protection Plan](#), a marine safety plan that meets or exceeds international standards and is supported by commitments to Indigenous co-management, environmental protections, and science-based standards. To complement marine safety measures under the Oceans Protection Plan, legislation was introduced in spring 2017 to formalize a moratorium for crude oil tankers on British Columbia's north coast.

UPDATE: SUSTAINABLE FISHERIES

Budget 2017 announced \$250 million over five years, and \$62.2 million ongoing, to renew and expand the successful Pacific and Atlantic integrated commercial fisheries initiatives and to augment Indigenous collaborative management programming.

UPDATE: INVESTING IN SCIENCE

Budget 2017 announced up to \$114 million over five years to protect Canada's marine and freshwater resources. This investment will improve the freshwater science base by expanding aquatic invasive species programming; refocusing efforts to reduce the release of toxic chemicals; pursuing ongoing cross-government collaboration on improving water quality, biodiversity conservation and sustainable use; and improving collaboration with Indigenous Peoples.

PRISTINE LAKES AND RIVERS

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
By February 2018, support the reduction of phosphorus loads into Lake Erie through the development of Domestic Action Plans	On March 10, 2017, Canada and Ontario released a draft action plan to help reduce phosphorus in Lake Erie and combat harmful and nuisance algae blooms.
Release a Progress Report on the Great Lakes Water Quality Agreement in 2016 and a report on State of the Great Lakes environmental indicators in 2017	On September 28, 2016, Canada and the US released a Progress Report documenting actions taken since the 2012 Great Lakes Water Quality Agreement took effect in February 2013.
By 2017, reduce nutrient loadings in the Lake Winnipeg Basin by an estimated 10,800 kilograms in support of Manitoba's plan to reduce phosphorus in Lake Winnipeg by 50% to pre-1990 levels	In 2016, stewardship projects supported by the Lake Winnipeg Basin Stewardship Fund were preventing an estimated 27,881 kilograms of phosphorus per year from entering Lake Winnipeg and its tributary rivers. Since its inception in 2007, the Lake Winnipeg Basin Stewardship Fund has prevented a cumulative total of 110,734 kilograms of phosphorus from entering Lake Winnipeg.
Reduce an estimated 2,000 kilograms of phosphorus loadings to the South-eastern Georgian Bay watershed by 2017	As of March 31, 2016, stewardship projects supported by the Lake Simcoe and South-eastern Georgian Bay Clean-Up Fund since 2012 had reduced the amount of phosphorus entering South-eastern Georgian Bay by an estimated 3,502 kilograms per year.
Work with Ontario, local governments, First Nations, Métis, watershed management agencies, other local public agencies, and community members to implement Remedial Action Plans to restore a total of 81 impaired beneficial uses across all 14 remaining Areas of Concern, and to assess approximately 20 other beneficial uses to confirm their impairment status	To date, 61 impaired beneficial uses in Great Lakes Areas of Concern have been restored to Not impaired status, an increase of eight since 2014. Efforts continue to confirm the status of 20 beneficial uses identified as Requires further assessment and to restore the 75 beneficial uses identified as impaired.
Renew federal funding to the Experimental Lakes Area in Northwestern Ontario to support scientific research related to freshwater ecosystems, particularly the impacts of aquatic invasive species	In August 2016, we confirmed that we will invest \$1.7 million over two years in freshwater research at the International Institute for Sustainable Development Experimental Lakes Area.
Maintain high compliance rates with Fisheries Act regulations to reduce risks from metal mining and pulp and paper effluent	In 2014, over 99% of metal mine effluent samples were within authorized limits for metals, cyanide and pH, and over 97% for total suspended solids, as set out in the Metal Mining Effluent Regulations. 99% of effluent samples met regulatory requirements for toxicity tests on fish. Meanwhile, 97.5%, 99.9% and 99.8% of pulp and paper effluent samples met regulatory requirements for toxicity tests on fish, biochemical oxygen demand, and total suspended solids, respectively. However, results of environmental effects monitoring suggest that effluent from metal mines and pulp and paper mills continues to affect fish and fish habitat: 76% of metal mines and 70% of pulp and paper mills that have investigated the cause of observed environmental impacts found that effluent was having an effect.

KEY PRIORITIES UPDATE

UPDATE: PROTECTING CANADA'S FRESHWATER RESOURCES

Budget 2017 announced funding of up to \$70.5 million over five years to protect Canada's freshwater resources, including the Great Lakes and Lake Winnipeg Basins. It also announced \$43.8 million over five years to continue and expand aquatic invasive species programming.

SUSTAINABLY MANAGED LANDS AND FORESTS

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
By 2018, develop and begin implementing, in collaboration with provinces, territories, Indigenous Peoples and stakeholders, a roadmap towards conserving at least 17% of Canada's terrestrial area	<p>In February 2017, federal, provincial and territorial ministers responsible for parks, protected areas, and biodiversity conservation committed to engage all levels of government, Indigenous Peoples, industries, conservation organizations and Canadians to develop guidance for reaching the target to conserve at least 17% of Canada's terrestrial areas and inland water.</p> <p>A National Advisory Panel and an Indigenous Circle of Experts will be established to advise federal, provincial and territorial ministers on how Canada can achieve its biodiversity goals associated with the 17% target.</p>
By 2017, establish one new National Park: Thaidene Nënë National Park Reserve in collaboration with the Government of the Northwest Territories and Indigenous Peoples in order to represent the Northwestern Boreal Uplands natural region	<p>As part of its effort to expand its system of protected areas, Parks Canada is on track to confirm a final boundary and negotiate and recommend signature of the necessary establishment agreements with the Government of the Northwest Territories and Łutsël K'e Dene First Nation, and an Impact and Benefit Agreement with the Northwest Territories Métis Nation leading to the establishment, development and operation of a national park reserve in the Thaidene Nënë area located in the East Arm of the Great Slave Lake in the Northwest Territories.</p> <p>Formal public meetings on the proposed Thaidene Nënë National Park Reserve have been concluded. A final report on results will be available in 2017. Once established, Thaidene Nënë National Park Reserve will contribute 0.14% towards the target of conserving at least 17% of Canada's terrestrial areas and inland waters.</p>
In 2016–2019, maintain annual harvest of timber at sustainable rates	The most recent available data indicate that annual timber harvest is sustainable. In 2014, Canada's estimated sustainable wood supply rose slightly from the previous year, while the total volume of timber harvested remained at roughly two thirds of the estimated sustainable supply—well within the level deemed to be sustainable.

KEY PRIORITIES UPDATE

UPDATE: PROTECTED AREAS AND NATIONAL PARKS

Budget 2017 announced \$25 million over five years to support a pilot Indigenous Guardians Program. This initiative will give Indigenous Peoples greater responsibility and resources to manage their traditional lands and waterways and will facilitate partnership with Indigenous communities in monitoring ecological health, maintaining cultural sites, and protecting sensitive areas and species.

UPDATE: INNOVATION AND CLEAN TECHNOLOGY

Budget 2017 announced \$200 million over four years for clean technology research and the development, demonstration and adoption of clean technology in natural resources sectors, including the forest sector. It also announced \$39.8 million over four years to support projects and activities that increase the use of wood as a greener substitute material in infrastructure projects.

Budget 2017 also allocated \$55 million over six years to displace fossil fuels in rural and remote communities by investing in bioenergy projects that deploy proven technologies and in forest biomass supply-chain business development activities.

HEALTHY WILDLIFE POPULATIONS

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
Species at risk exhibit stabilizing or improving trends since their listing	Of the 350 species at risk that had final recovery strategies or management plans as of May 2016, 123 have had population-oriented goals reassessed. Of these 123 species, 35% showed population trends consistent with the goals of the recovery strategies (compared with 38% of 112 species in May 2015).
Migratory bird species with population sizes not within an acceptable range exhibit trends toward acceptable limits	The proportion of species within acceptable bounds of their population goals will be calculated in 2017 and available for reporting in early 2018.
By 2018, eliminate the backlog of species requiring recovery strategies or management plans under the Species at Risk Act , and post all strategies and plans to the Species at Risk public registry	<p>As of March 31, 2017:</p> <ul style="list-style-type: none"> • proposed recovery strategies and management plans have been posted for 168 of the backlog of 192 species under the responsibility of Environment and Climate Change Canada. • proposed recovery strategies, action plans and management plans have been posted for 40 of the backlog of 57 species under the responsibility of Fisheries and Oceans Canada.
By 2018, eligible species at risk have been considered for listing	We have added 20 new species to Schedule 1 of the Species at Risk Act and reclassified 11 at a new risk level. In addition, the listing of 15 terrestrial species and nine aquatic species, and the reclassification of 10 terrestrial species and four aquatic species has been proposed.

CLEAN DRINKING WATER

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
Of the 77 drinking water advisories affecting First Nation drinking water systems financially supported by Indigenous and Northern Affairs Canada as of April 2016, 30 (40%) are to be resolved by March 31, 2018	As of February 28, 2017, there were 71 long-term drinking water advisories affecting public systems financially supported by Indigenous and Northern Affairs Canada (INAC) in 47 First Nation communities. While new long-term drinking water advisories may continue to occur, INAC has developed an Action Plan and is focusing efforts and investments to eliminate all long-term drinking water advisories affecting public water systems financially supported by INAC by 2021.
Up to five national drinking water quality guidelines/guidance documents will be approved by provinces and territories by March 31, 2018	As of March 31, 2017, three drinking water guidelines (bromate, cyanobacterial toxins and manganese) were approved by provinces and territories.

KEY PRIORITIES UPDATE

UPDATE: ON-RESERVE DRINKING WATER

Budget 2017 presented the goal of clean drinking water for every Canadian, no matter where they live. It also announced an additional \$4 billion over 10 years to build and improve housing, water treatment systems, health facilities and other community infrastructure in Indigenous communities.

SUSTAINABLE FOOD

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
By 2019, develop a food policy that includes the promotion of healthy living and safe food	We launched public consultations on A Food Policy for Canada on May 29, 2017, seeking Canadians' views on four themes: <ul style="list-style-type: none"> • increasing access to affordable food; • improving health and food safety; • conserving our soil, water, and air; and • growing more high-quality food.
In 2016–2019, continue delivering programs to improve soil and water quality and increase habitat capacity in agricultural working landscapes. Agriculture and Agri-Food Canada will be undergoing a funding renewal in Year Three of the 2016–2019 FSDS, which could have implications for actions contributing to this milestone	Under Growing Forward 2, Canada's current five-year (2013–2018) agricultural policy framework, federal-provincial-territorial cost-shared programs provide funding to producers to identify on-farm environmental risks and adopt practices that can help improve biodiversity, protect and improve soil and water resources, and address climate change. Negotiations on the next agricultural policy framework are ongoing.
Maintain high compliance rates with Fisheries Act regulations related to aquaculture	In 2015 and 2016, the compliance rates of aquaculture operations with Fisheries Act regulations was at 100%.
In 2016, expand the number of eligible isolated northern communities that have access to healthy foods at a subsidized rate as part of the Nutrition North Canada	On October 1, 2016, Nutrition North Canada has expanded to include an additional 37 isolated northern communities that will be eligible for the full subsidy. This includes the retail subsidy from Indigenous and Northern Affairs Canada and nutrition education initiatives from Health Canada and the Public Health Agency of Canada.

KEY PRIORITIES UPDATE

UPDATE: RESEARCH AND SCIENCE

Budget 2017 announced:

- \$70 million over six years to further support agricultural discovery science and innovation; and
- funding to support the expanded adoption of clean technology by Canadian agricultural producers, as part of the \$200 million provided for clean technology in the natural resource sectors.

UPDATE: PREVENTING DESERTIFICATION

To support our objectives for the United Nations Convention to Combat Desertification, which Canada [officially re-joined](#) on March 22, 2017, we will provide scientific and technical support for developing countries, participate in the Convention's Committee on Science and Technology, and report on domestic programs.

UPDATE: CLEAN TECHNOLOGY

Budget 2017 committed to provide \$200 million over four years to support clean technology research, development, demonstration and adoption in Canada's natural resource sectors.

CONNECTING CANADIANS WITH NATURE

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
In 2017, increase visitation to federal protected areas such as selected national wildlife areas, national parks and national marine conservation areas	Canadian national parks and the Cap Tourmente National Wildlife Area are providing free entry to visitors as part of Canada's 150th anniversary.

KEY PRIORITIES UPDATE

UPDATE: ACCESS TO NATIONAL PARKS AND PROTECTED AREAS

Budget 2017 announced \$30 million over five years to complete, enhance and maintain the Trans Canada Trail, in partnership with the provinces and individual Canadians. When completed, the Trans Canada Trail will be the longest recreational trail in the world, stretching nearly 24,000 kilometres from the Atlantic to the Pacific to the Arctic Oceans.

To ensure that visitors are able to enjoy Canada's national parks for years to come, Budget 2017 proposes to provide up to \$364 million over two years on a cash basis to the Parks Canada Agency to continue its management of national parks, national marine conservation areas and national historic sites. A medium- and long-term plan is under development to ensure ongoing support to these highly valued areas.

SAFE AND HEALTHY COMMUNITIES

SHORT-TERM MILESTONE RESULTS

MILESTONE	RESULTS TO DATE
Canadian Ambient Air Quality Standards for fine particulate matter and ozone are reviewed in 2017. Standards are developed for sulphur dioxide by 2017 and nitrogen dioxide by 2018	On October 3, 2016, federal, provincial and territorial ministers of environment announced new Canadian Ambient Air Quality Standards for sulphur dioxide . The standards were developed through a collaborative process informed by science that included industry associations, non-governmental organizations, Indigenous organizations and governments. The development of standards for nitrogen dioxide has begun and is progressing as planned.
Introduce risk management controls for 100% of substances assessed as posing a risk to the environment or human health within 42 months of being deemed harmful to human health or the environment	Since October 2016, we have put in place risk management actions for five substances, including a Code of Practice for 2-(2-Methoxyethoxy) Ethanol (DEGME) and Federal Environmental Quality Guidelines for Perfluorooctane Sulfonate, triclosan, chromium and Bisphenol A. We have also proposed regulations to control a number of substances, such as microbeads.
By 2020, complete the re-evaluation of remaining legacy pesticides	As of March 31, 2017, 364 of the 401 planned re-evaluations of remaining legacy pesticides have been completed.

KEY PRIORITIES UPDATE

UPDATE: AIR POLLUTION

In addition, Budget 2017 announced up to \$201 million over four years to support the implementation of the Air Quality Management System; help administer and enforce regulations with support via scientific testing, analysis, and advice; help make Canadians aware of strategies and tools to reduce exposure to air pollutants; and continue federal programming to address the health impacts of indoor air pollutants, including radon.

NEW: TRANSPORTATION 2030

In November 2016 we announced [Transportation 2030](#), delivering on the commitment to create a safe, secure, green, innovative and integrated transportation system that supports trade and economic growth, a cleaner environment and the well-being of Canadians and their families. To realize this vision we are taking action under five themes: [The Traveller](#); [Safer Transportation](#); [Green and Innovative Transportation](#); [Waterways, Coasts and the North](#); and [Trade Corridors to Global Markets](#). We will continue to develop new policies and take new measures under these themes to further strengthen our transportation system.

NEW: COMPREHENSIVE BAN ON ASBESTOS

In December 2016 we announced that we will move forward with a whole-of-government approach to fulfil our commitment to ban asbestos and asbestos-containing products by 2018. This will include new regulations that ban the manufacture, use, import and export of asbestos, new federal workplace health and safety rules, collaboration with provincial and territorial partners on building codes, updating our international position regarding the listing of asbestos as a hazardous material, and raising awareness of the health impacts of asbestos.

ERRATUM

2016–2019 FEDERAL SUSTAINABLE DEVELOPMENT STRATEGY

SECTION	PREVIOUS TEXT	CORRECTION
Our commitments and plans – Table 1	FSDS goals, targets, responsible ministers and key departments	FSDS goals, targets and responsible ministers
Our commitments and plans – Table 1	<p>Targets – Connecting Canadians with nature:</p> <ul style="list-style-type: none"> • Participation in biodiversity conservation activities • Support for protection and presentation of Parks Canada places • Visits to national wildlife areas 	<p>Target – Connecting Canadians with nature:</p> <ul style="list-style-type: none"> • Visitation to parks and participation in biodiversity conservation activities
Effective action on climate change – Canada's starting point	In 2014, Canada's GHG emission level was 732 megatonnes carbon dioxide equivalent, or 5% below 2005 levels.	In 2014, Canada's GHG emission level was 732 megatonnes carbon dioxide equivalent, or 2% below 2005 levels.
Low-carbon government – Key priorities	Under the North American Climate, Clean Energy and Environment Partnership, we have committed to purchase 100% clean power for all of Public Services and Procurement Canada's facilities by 2025.	Under the North American Climate, Clean Energy and Environment Partnership, we have committed to purchase 100% clean power for all of Public Services and Procurement Canada's Crown-owned facilities by 2025.
Clean energy – Partners taking action	The National Research Council flew the first civil jet powered by 100% unblended biofuel that could lead to a 1.5% in specific fuel consumption, to a reduction in particle number (up to 25%) and black carbon (up to 50%) and a 50% carbon dioxide emissions reduction in collaboration with Agrisoma and Transport Canada.	The National Research Council flew the first civil jet powered by 100% unblended biofuel that could lead to a 1.5% improvement in specific fuel consumption, to a reduction in particle number (up to 25%) and black carbon (up to 50%) and a 50% carbon dioxide emissions reduction in collaboration with Agrisoma and Transport Canada.
Healthy coasts and oceans – Key priorities	We are committed to protecting Canada's coasts and oceans and keeping them healthy for future generations, and Budget 2016 provided \$123.7 million over five years to support marine conservation activities, including the designation of new marine protected areas. To meet our target, we need to conserve an additional 525,000 square kilometres of marine and coastal area by 2020. Provincial and territorial marine protection mechanisms will also help us reach the 10% target.	We are committed to protecting Canada's coasts and oceans and keeping them healthy for future generations, and Budget 2016 provided \$123.7 million over five years to support marine conservation activities, including the designation of new marine protected areas. Provincial and territorial marine protection mechanisms will also help us reach the 10% target.
Healthy coasts and oceans – Key priorities	We are committed to meeting our international targets by putting in place a five-point plan to finish what was started, protect pristine areas, protect areas under pressure, advance other effective area-based conservation measures, and establish marine protected areas faster.	We are committed to meeting our targets by putting in place a five-point plan to finish what was started, protect pristine areas, protect areas under pressure, advance other effective area-based conservation measures, and establish marine protected areas faster.
Pristine lakes and rivers – Target	By 2025, reduce phosphorus loading into Lake Erie by 40% to achieve the binational (Canada-US) phosphorus targets from a 2008 baseline	Reduce phosphorus loading into Lake Erie by 40% to achieve the binational (Canada-US) phosphorus targets from a 2008 baseline

SECTION	PREVIOUS TEXT	CORRECTION
Annex 2 (Performance measurement) – Table 2	<p>Indicators – Safe and healthy communities:</p> <ul style="list-style-type: none"> • Fine particulate matter and ground-level ozone air quality indicators relative to CAAQS set for 2015 • Air pollutant emissions • Levels of human exposure to harmful substances • Levels of harmful substances in the environment 	<p>Indicators – Safe and healthy communities:</p> <ul style="list-style-type: none"> • Fine particulate matter and ground-level ozone air quality indicators relative to CAAQS set for 2015 • Air pollutant emissions • Levels of human exposure to harmful substances • Levels of harmful substances in the environment: <ul style="list-style-type: none"> • PBDE in fish and sediment • PFOS in water and fish • Releases of harmful substances in the environment