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2023 Climate Change Accountability Report

Supporting Material



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Mitigation Table

#	Climate Action	Details	Progress Measures/Results (FY 2022/23 ¹)	Action in FY 2023/24 ² (Underway or Planned)
Cleaner Transportation				
1	Implementation of Zero-Emission Vehicle (ZEV) supply standard Medium- and heavy-duty vehicle targets	<ul style="list-style-type: none"> The <i>Zero-Emission Vehicles Act</i> passed in May 2019. Requires automakers to meet an escalating annual percentage of new light-duty ZEV sales and leases reaching: <ul style="list-style-type: none"> – 10% by 2025 – 30% by 2030 – 100% by 2040 Roadmap to 2030 commits to introduce ZEV sales targets for medium- and heavy-duty vehicles. 	<ul style="list-style-type: none"> In July 2022, a Formal Review Intentions Paper for the B.C. <i>Zero-Emission Vehicles Act</i> and Regulation was released for stakeholder comment and feedback. 	<ul style="list-style-type: none"> Amendments to the <i>Zero-Emission Vehicles Act</i> were introduced in November 2023 and will require automakers to meet a revised set of targets: <ul style="list-style-type: none"> – 26% by 2026 – 90% by 2030 – 100% by 2035 In May 2023, a consultation paper on potential ZEV sales targets for medium- and heavy-duty vehicles was released for stakeholder comment and feedback. From January to October 2023, over 22% of new light-duty passenger vehicles sold in B.C. were ZEVs.
2	CleanBC Go Electric Vehicle (EV) Passenger Vehicle Rebate Program	<ul style="list-style-type: none"> Program offers rebates on light-duty EVs: cars with Manufacturer’s Suggested Retail Price (MSRP) below \$55,000, and larger vehicles with MSRPs below \$70,000. B.C. residents must apply to be income-tested before they are approved for a rebate. The rebate is now income-tested, and currently up to \$4,000 for battery, fuel-cell, and longer-range plug-in hybrid EVs and up to \$2,000 for shorter-range plug-in hybrid EVs. Combined with the federal rebate, residents can receive up to \$9,000. B.C. businesses and organizations can receive a rebate of up to \$3,000 for battery, fuel-cell, and longer-range plug-in hybrid EVs, and \$1,500 for shorter-range plug-in hybrid EVs. 	<ul style="list-style-type: none"> In 2022, income-tested rebates were introduced to the program ensuring rebates are going to those that need them most. The maximum rebate amount for individual applicants was increased. The program also introduced new vehicle MSRP limits based on vehicle category. 	<ul style="list-style-type: none"> Ongoing implementation of rebates.

¹ Fiscal year from April 1, 2022 to March 31, 2023

² Fiscal year from April 1, 2023 to March 31, 2024

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
3	Active transportation	<ul style="list-style-type: none"> Help people get around with a long-term strategy to increase active transportation and consider better commuting solutions. The Province's first active transportation strategy, Move. Commute. Connect., was launched in 2019 with the overarching goal of doubling the number of active transportation trips by 2030. Commitment in Roadmap to 2030 to increase mode shift to walking, cycling and transit to 30% by 2030. The Active Transportation Infrastructure Grants program provides guidance and cost-sharing for Indigenous and local governments. 	<ul style="list-style-type: none"> The Active Transportation Infrastructure Grants program supported 59 infrastructure projects and 15 network plans province wide. The TransLink 2022 Investment Plan provides dedicated funding to local governments for walking, transit and bicycle infrastructure capital cost sharing between 2022 and 2024. Training on the B.C. Active Transportation Design Guide, published in 2019 along with the Move. Commute. Connect. strategy, was provided to over 500 internal and external practitioners. 	<ul style="list-style-type: none"> B.C.'s Budget 2023 committed new funding of \$100 million over three years for building active transportation networks. This targeted investment for infrastructure will increase sustainable mode share. To further support Indigenous communities and their partnerships with local governments, the program is beginning a rolling intake for Indigenous projects so that communities may apply at any time.
4	Heavy-Duty Vehicle Efficiency (HDVE) Program	<ul style="list-style-type: none"> Administered by the BC Trucking Association, the HDVE Program provides training to B.C.-based carriers to adopt practices that reduce fuel consumption. Carriers that complete the training can apply for financial rebates for fuel-saving equipment to retrofit their fleet and further reduce fuel consumption. 	<ul style="list-style-type: none"> Ongoing implementation of program course and equipment rebates. Program Year 4 (Sept 2022 – Aug 2023): <ul style="list-style-type: none"> Provided training to 193 companies representing a total fleet of 12,973 trucks. Estimated GHG savings of 31,730 tonnes CO₂e, equivalent to removing 6,737 cars from the road. Distributed incentive funds for efficiency equipment, yielding estimated reduction of 5,901 tonnes CO₂e, equivalent to taking 1,253 cars from the road. 	<ul style="list-style-type: none"> Expanded eligibility for rebate programs from Class 7 to Class 5 and up and adjusted rebate levels to encourage participation.
5	Port Pilots (Lower Mainland freight trucks and port operations)	<ul style="list-style-type: none"> Pilot of ZEVs and other low-carbon fuels at Vancouver Fraser Port Authority terminals and facilities, and with drayage operators. 	<ul style="list-style-type: none"> Battery-electric Class 8 yard tractor was deployed by Seaspan Ferries. Viterra locomotive and Vancouver Fraser Port Authority patrol boat have been operating on renewable diesel since August 2022. 	<ul style="list-style-type: none"> Ongoing deployment, monitoring, and collection of lessons learned.
6	CleanBC Go Electric Commercial Vehicle Program (CVP) Go Electric Rebates Program (formerly Specialty-Use Vehicle Incentive)	<ul style="list-style-type: none"> Purchase rebates and support for fleet ZEVs and charging and fuelling infrastructure. To support CleanBC plan targets for public sector organizations to reduce GHG emissions by 40% by 2030 for vehicle fleets, the Ministry of Education and Child Care launched an electric school bus option in 2020 with the support of the Association of School Transportation Services of BC and Ministry of Energy, Mines and Low Carbon Innovation. School districts who order an electric school bus receive a top-up through the program to help offset the cost to purchase an electric bus instead of a diesel bus. 	<ul style="list-style-type: none"> CVP and CleanBC Go Electric Rebates programs continue to receive and review applications. Since January 2021, the CVP program has funded 20 projects during the first two funding calls. The third funding call closed on November 30, 2022, and the fourth funding call closed on March 31, 2023. Bus Acquisition Program: 14 school districts purchased 18 electric buses. 	<ul style="list-style-type: none"> The Go Electric rebate structure is being updated: <ul style="list-style-type: none"> Class-8 vehicles in both the medium-and-heavy-duty vehicle category and the airport-and-port category are now eligible to receive up to \$150,000 per vehicle. Class 2B has been added to the medium-and-heavy-duty vehicle category with a rebate amount of up to \$10,000. Bus Acquisition Program: 11 school districts purchased 21 electric buses.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
7	Charging stations in public rest areas and B.C. Government buildings	<ul style="list-style-type: none"> Expand public charging infrastructure around the province. 	<ul style="list-style-type: none"> Completed development of two new sites: Hanceville Lookout Rest Area (Hwy 20) and Mt. Terry Fox Rest Area (Hwy 16). 	<ul style="list-style-type: none"> Completed development of three new sites: Woss Rest Area (Hwy 19), Illecillewaet brake check (Hwy 1), and Mile 80 Rest Area (Hwy 97). Completed upgrades to Boulder Creek Rest Area (Hwy 37) and Buckley Bay Rest Area (Hwy 19). Design initiated for upgrades for Anarchist Mountain, Wire Cache, and Shelter Bay charging sites.
8	CleanBC Go Electric public charging (expand charging network – public and fast charging)	<ul style="list-style-type: none"> Cost-share investments in public charging stations selected through a competitive Request for Proposal process. The CleanBC Go Electric Public Charger Program launched in fall 2020 with a target of 194 sites around the province by 2024. The program offers up to 50% of the cost of public charging stations, and up to 90% if owned by an Indigenous community. 	<ul style="list-style-type: none"> In 2022, the number of public charging stations in B.C. grew by 24% to a total of 3,018 Level 2 charging stations and 854 fast-charging stations. Funding expected to support approximately 250 more public light-duty fast-charging stations, including stations to complete the Electric Highway, a CleanBC Roadmap to 2030 commitment. 	<ul style="list-style-type: none"> Continue to work on Roadmap to 2030 commitment of 10,000 public EV charging stations by 2030 to ensure broad geographic coverage of fast-charger sites by summer 2024. Ongoing public charger network planning/ coordination. Ongoing implementation of public charger funds.
9	CleanBC Go Electric Hydrogen Program (expand hydrogen network – public hydrogen fuelling)	<ul style="list-style-type: none"> Expand the hydrogen fuelling network in B.C. 	<ul style="list-style-type: none"> Released the Hydrogen Station Permitting Guidebook for B.C., which serves as a comprehensive resource to support the development and permitting of hydrogen refuelling station projects. 	<ul style="list-style-type: none"> The fifth hydrogen fuelling station in B.C. was opened in Kelowna in June 2023. In addition to the five hydrogen stations currently in operation, there are six additional stations under construction.
10	CleanBC Go Electric Charger Rebates (expanded charging network – home and workplace charging incentives)	<ul style="list-style-type: none"> Rebates for purchase and installation of Level 2 charging stations at single-family homes, multi-unit residential buildings (MURBs), businesses, and workplaces. Delivered in partnership with BC Hydro and FortisBC. 	<ul style="list-style-type: none"> In 2022, the program helped fund more than 2,300 home and workplace charging stations across B.C. Through the EV Ready program stream, the Province also helped fund over 300 EV Ready plans and nearly 5,000 electrified parking stalls in strata buildings around B.C. 	<ul style="list-style-type: none"> Funding from the Government of Canada's Zero Emission Vehicle Infrastructure Program was integrated into the program in April 2023, which supported increased EV charger rebates of up to \$5,000 per charging station at eligible MURBs and workplaces. Ongoing implementation of home and workplace charger funds.
11	Enable private and utility investment in charging/hydrogen fuelling stations	<ul style="list-style-type: none"> Greenhouse Gas Reduction (Clean Energy) Regulation (GGRR) allows utilities to recover costs to build public fast charging infrastructure that meet specified criteria. 	<ul style="list-style-type: none"> Amendments were made to the GGRR to allow public utilities to recover the costs for investments in commercial ZEVs and ZEV infrastructure across commercial vehicle classes, and level 2 charging stations that meet specified criteria. 	<ul style="list-style-type: none"> N/A
12	CleanBC Go Electric Advanced Research and Commercialization (ARC) program	<ul style="list-style-type: none"> Cost-share investments in research, development and business growth for ZEVs and related technologies in B.C. based on a competitive Request for Proposals process. ARC project submissions are evaluated on the positive economic benefits they provide to B.C. 	<ul style="list-style-type: none"> Ongoing program administration. 	<ul style="list-style-type: none"> The Commercial Vehicle Innovation Challenge launched in April 2023. Funding decisions are expected in early 2024. The third ARC funding call closed in September 2023. Funding decisions are expected in spring 2024.

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13	Public transit in B.C.	<ul style="list-style-type: none"> In Metro Vancouver, this includes SkyTrain extensions, new train cars, new buses and infrastructure improvements that support low-emission or zero-emission public transportation options. By 2050, TransLink's goal is to run its fleet with 100% renewable energy. BC Transit committed to a fully electric bus fleet by 2040. 	<p>BC Transit</p> <ul style="list-style-type: none"> Low Carbon Fleet Program: <ul style="list-style-type: none"> Replacing its existing diesel bus fleet with low-carbon buses with the goal of a fully electric bus fleet by 2040. 100% of BC Transit's Compressed Natural Gas (CNG) bus fleet runs on Renewable Natural Gas (RNG) biofuel. One battery-electric bus was deployed in Victoria in fall 2022. Completed final site acquisition, preparation, and ground breaking for the View Royal HandyDart Operations and Maintenance Facility. <p>TransLink</p> <ul style="list-style-type: none"> Launched a Transit-Friendly Employer certification to encourage employers to subsidize transit for their employees. Piloted the summer BikeBus to support multi-modal trips and meet the needs of cycling customers travelling between Bridgeport Station and the Tsawwassen Ferry Terminal. In July and August 2022, TransLink recorded 3,089 passengers and 1,323 bikes. Launched TravelSmart4Kids, a regional travel strategy to encourage children 12 and under to travel by active and sustainable modes of transportation, including walking, biking, rolling, and public transit. Rolled out the Kid Commute: a Walking School Bus Program with the Society for Children and Youth of B.C., in which an organized group of children and caregivers walk to school together. This program was created in partnership with the Ministry of Transportation and Infrastructure and the Cities of Vancouver and North Vancouver. In partnership with B.C. SCRAP-IT, 60 participants exchanged their retired old vehicles for TransLink transit passes. 	<p>BC Transit</p> <ul style="list-style-type: none"> Low Carbon Fleet Program: <ul style="list-style-type: none"> Significant investments over the next three years in BC Transit infrastructure. Transit system electrification is underway with concept designs for electrification of infrastructure being completed based on a multiple accounts evaluation. The first 10 electric buses were delivered to the Victoria Regional Transit system in summer 2023. Infrastructure construction to support the electric buses started in April 2023 at BC Transit's Victoria Gorge Road location. Infrastructure includes 10 charging dispensers, power distribution equipment, and an overhead pantograph charger. BC Transit plans to deploy an additional 36 CNG buses to reduce GHG emissions. Continuing construction and progress on schedule towards completion of the View Royal HandyDart Operations and Maintenance Facility. <p>TransLink</p> <ul style="list-style-type: none"> Quadrupling TransLink's battery-electric bus fleet from four to 19. By early 2024, these 15 new buses will fully electrify TransLink's Route 100. By 2024, TransLink will be purchasing 100% RNG for its natural gas bus fleet. Working together with Metro Vancouver Regional District to develop an implementation pathway to reduce light-duty vehicle GHG emissions in the region by 65% by 2030 (relative to 2010 levels). Policy options will be presented to decision makers in 2024. Funding 106 infrastructure projects, such as regional walkways, cycling paths, multi-use paths, bus speed upgrades, bridges and roads to benefit pedestrians, cyclists, and transit users in 20 communities across Metro Vancouver. Offering the Bike Bus for a second summer season to provide extra capacity for bicycles between Bridgeport Station and the Tsawwassen Ferry Terminal.

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13	Public transit in B.C.			<ul style="list-style-type: none"> Continuing to expand the Vanpool pilot in partnership with Modo, which provides an affordable and convenient alternative to single-occupancy vehicle commuting for employees of workplaces that are difficult to access by walking, cycling, and conventional transit. Sponsoring a free bike valet service for cycling transit customers outside of Vancouver City-Centre SkyTrain Station from June 19 until September 1. Developing a Zero-Emission Fleet Transition Plan that will determine future investments to meet its GHG reduction targets, while also meeting bus service expansion goals and reducing regional GHG emissions.
14	Go Electric research and training	<ul style="list-style-type: none"> The Go Electric Training program helps prepare B.C.'s workforce to be leaders in the transition to ZEVs. 	<ul style="list-style-type: none"> Continued training of electricians and expansion of ZEV automotive technician program to more colleges. In 2022, 57 electricians completed the Electric Vehicle Infrastructure Training Program delivered by the Electrical Joint Training Committee. By the end of 2022, a total of 317 students had taken the EV Maintenance Training Program offered through Camosun College, Okanagan College, the College of New Caledonia and the British Columbia Institute of Technology. 	<ul style="list-style-type: none"> Ongoing program delivery.
15	Establish energy intensity targets for passenger vehicles and goods movement; and implement vehicle kilometres travelled reduction and mode share targets	<ul style="list-style-type: none"> The CleanBC Roadmap to 2030 committed to vehicle kilometres travelled reduction targets (in light-duty vehicles by 25% by 2030, compared to 2020), mode share targets (to increase the share of trips by walking, cycling, transit to 30% by 2030, 40% by 2040 and 50% by 2050), and reducing the energy intensity (tonnes-kilometer) of goods movement (by at least 10% by 2030, 30% by 2040, and 50% by 2050, relative to 2020). 	<ul style="list-style-type: none"> Work underway to implement these targets. 	<ul style="list-style-type: none"> Work underway to implement these targets.
16	Implement Clean Transportation Action Plan	<ul style="list-style-type: none"> The Clean Transportation Action Plan is a commitment in the CleanBC Roadmap to 2030. Once complete, it will set out the Province's next set of commitments to reduce GHG emissions in the transport sector by 27-32% by 2030. 	<ul style="list-style-type: none"> Work underway to develop a Clean Transportation Action Plan. 	<ul style="list-style-type: none"> The multi-ministry Clean Transportation Action Plan is under development and planned for public release in 2024.

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17	Electric power for Victoria cruise ships	<ul style="list-style-type: none"> The Province is funding the Greater Victoria Harbour Authority to plan and install infrastructure at Ogden Point. Allows cruise ships to access clean hydroelectricity at the port, turn off their engines and help protect the environment. 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Shore power will be installed at two berths, allowing multiple ships to draw electricity at the port and significantly reducing GHG emissions and air contaminants in the region.
18	Ferry electrification	<ul style="list-style-type: none"> Development of an Inland Ferries Electrification Strategy to align the ferry fleet's replacement plans with the CleanBC Roadmap to 2030 and the Clean Transportation Action Plan. 	<ul style="list-style-type: none"> Developing the Inland Ferries Electrification Strategy. 	<ul style="list-style-type: none"> Completing electrification of the first of B.C.'s four newest inland cable ferries. The Arrow Park III is now making all-electric voyages across the junction of Upper and Lower Arrow Lakes.
Industry				
19	Oil and Gas Royalty Review	<ul style="list-style-type: none"> Oil and Gas Royalty Review undertaken. 	<ul style="list-style-type: none"> A transition period leading up to the new royalty system began on September 1, 2022, and will end when the new system is implemented in September 2024. Effective September 1, 2022, new wells (those that begin drilling on or after that date) are not eligible to qualify for the former deep-well royalty program, the Marginal Well Royalty program, the Ultra Marginal Royalty program, the Low Productivity Royalty program, or the Clean Growth Infrastructure Royalty programs. Consultation with First Nations and engagement with industry and stakeholders continued in 2022/23. 	<ul style="list-style-type: none"> Consultation with First Nations will continue in 2023/24. Proposed regulatory amendments are under development to implement the new royalty regime.
20	CleanBC Industry Fund (CIF)	<ul style="list-style-type: none"> CIF supports the development, trial and deployment of projects that reduce GHG emissions from large industrial operations. 	<ul style="list-style-type: none"> The fourth call of the Emissions Performance funding stream, along with the second calls for the Innovation Accelerator and Feasibility Studies funding streams, were held. A program review was completed, including third party review of the first three years of CIF operation. CIF funded a total of 41 new projects in 2022 in different streams: 17 in Emissions Performance, 6 in Innovation Accelerator, and 18 in Feasibility Studies. 	<ul style="list-style-type: none"> Call for the Feasibility Study stream was held in spring 2023. Funding agreements will be finalized with the highest scoring proponents in fall 2023. For the 2023/24 Emissions Performance and Innovation Accelerator projects, all available funding will be used for waitlisted projects from previous intake years. The program is working to align with the new carbon pricing system and is planning to re-launch in 2024/25.

Mitigation Table

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21	CleanBC Industrial Incentive Program	<ul style="list-style-type: none"> Directs a portion of B.C.'s carbon tax paid by industry into incentives for cleaner operations. Supports competitiveness by reducing carbon tax costs for operators that demonstrate they are among the cleanest in the world. World-leading emissions performance benchmarks implemented across sectors, which will be reviewed by 2025 to better reflect global best practices. 	<ul style="list-style-type: none"> To align with the new output-based pricing system, the CleanBC Program for Industry is undergoing a transition throughout 2023. 	<ul style="list-style-type: none"> As part of Budget 2023, the B.C. Government announced a transition to a new made-in-B.C. output-based pricing system (B.C. OBPS) by 2024. The B.C. OBPS will ensure emissions reductions for industry continue while also providing flexible options, such as earned credits and carbon offset units to meet compliance obligations. The CleanBC Industrial Incentive Program will remain in place for a transition year (2023), with B.C. OBPS implementation starting in April 2024.
22	Industrial (including oil and gas) methane approach	<ul style="list-style-type: none"> The Province brought in new regulations in 2020 to reduce methane emissions in the upstream production of natural gas by 45% below 2014 levels by 2025. Roadmap to 2030 commitment for stronger methane policies that will reduce methane emissions from the oil and gas sector by 75% by 2030 and nearly eliminate all industrial methane emissions by 2035. This includes reporting on regulation implementation progress to the federal government annually. 	<ul style="list-style-type: none"> In 2022, the BC Energy Regulator (BCER) conducted a regulatory review of the Drilling and Production Regulation to assess the effectiveness of methane emissions requirements. Amendments to the regulation were made in early 2023 and will take effect in January 2024. In early 2023, consultation was launched by the BCER with environmental non-government organizations, industry organizations and the public to draft new regulatory measures to meet 2030 methane reduction targets of 75%. Focused methane measurement campaigns, in partnership with the United Nations Environment Program and Carleton University, were initiated in 2022 and will continue to 2024. Campaigns will support emission detection, regulatory compliance, inventory development and maintenance, as well as the 2030 and 2035 targets. The BC Methane Emissions Research Collaborative (MERC) projects, BC Top-down Survey and Root Cause Analysis and BC Fugitive Emissions Management Program Effectiveness Assessment, were completed in late 2022. 	<ul style="list-style-type: none"> Continue to advance regulatory amendments and develop new regulatory policy to reach the 75% methane reduction target by 2030. MERC will develop and advance a new three-year research plan.

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23	Advance provincial approach to Carbon Capture, Utilization and Storage (CCUS)	<ul style="list-style-type: none"> Commitment in the Roadmap to 2030 to advance CCUS to help B.C. meet emissions targets including net-zero emissions by 2050. Focus is on emissions reductions at industrial facilities, lowering the carbon intensity of hydrogen, and removing carbon directly from the atmosphere. Ensure a regulatory framework for safe and effective underground carbon dioxide storage from the oil and gas industry in B.C. 	<ul style="list-style-type: none"> Roadmap to 2030 funding is supporting research to assess the geological potential for permanent underground storage in promising regions around the province. In March 2023, the Province entered into an agreement with Simon Fraser University (SFU) to conduct research to help address the geological storage knowledge gap in southwest B.C. Results from this research can help inform future policy for CCUS in the Lower Mainland. Continued to support individual carbon capture and storage projects through the CleanBC Industry Fund. A new Healing the Land and Emissions Reduction Program is being developed to repurpose existing royalty credits. Collaborated with the federal government to develop a Regional Energy and Resource Table – Framework for Collaboration on the Path to Net-Zero. In summer-fall 2022, engaged with the federal government to review B.C.'s carbon capture and storage regulatory framework. The successful review led to B.C. projects being considered eligible for the proposed federal Carbon Capture and Storage Investment Tax Credit. In fall 2022, B.C. amended the <i>Petroleum and Natural Gas Act</i> to specify government's right to use storage reservoirs and clarify the authority of the storage of carbon dioxide from any source. Consulted with First Nations and industry on proposed amendments to the Petroleum and Natural Gas Storage Reservoir Regulation to improve clarity regarding the issuance of storage reservoir licences. 	<ul style="list-style-type: none"> A carbon capture and storage offset protocol is under development. The feedback window is from September to November 2023. Proposed amendments to the Petroleum and Natural Gas Storage Reservoir Regulation will be advanced.

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24	CleanBC Industrial Electrification Rates and Facilities Electrification Fund	<ul style="list-style-type: none"> BC Hydro offers CleanBC industrial electrification rates which are discounted from standard industrial rates to: <ul style="list-style-type: none"> New clean industries setting up or expanding operations in B.C., including hydrogen and biofuels. Eligible existing customers that install new equipment that use electricity rather than fossil fuels. Eligible new customers that can demonstrate they could have used fossil fuels rather than electricity to power their facilities. 	<ul style="list-style-type: none"> BC Hydro brought forward a rate design application to the British Columbia Utilities Commission for the default industrial rate following consultation with industry stakeholders. A number of applications under the CleanBC Facilities Electrification Fund are under review with Infrastructure Canada. 	<ul style="list-style-type: none"> BC Hydro will continue to work with customers who are interested in the rates and review applications.
25	Implement policies and programs to reduce emissions in line with the oil and gas sectoral target	<ul style="list-style-type: none"> Oil and gas sectoral target of 33-38% emissions reduction (using 2007 baseline) by 2030. 	<ul style="list-style-type: none"> New policy announced through B.C.'s Energy Action Framework to put in place a regulatory emissions cap for the oil and gas industry, which will ensure B.C. meets its 2030 emissions-reduction target for the sector. 	<ul style="list-style-type: none"> A policy paper on the design of the provincial oil and gas cap was released in July 2023 for public comment. Engagement is underway with First Nations, industry, and environmental non-governmental organizations, around the design of the Province's approach.
26	Clean up 100% of current orphan wells	<ul style="list-style-type: none"> Clean up 100% of current orphan wells in B.C. before 2030 through the industry-funded Orphan Site Reclamation Fund. 	<ul style="list-style-type: none"> In 2022/23, the BCER completed the following work on orphan sites towards the CleanBC Roadmap to 2030 target: 102 wells and equipment sites decommissioned, 143 sites assessed, and final reclamation completed on 42 sites. 	<ul style="list-style-type: none"> The BCER will implement its 2023/24 work plan for orphan site restoration expenditures funded by the orphan site restoration levy. The BCER is partnering with First Nations from northeast B.C. to restore former energy sites to their natural state.
27	Clean Growth Infrastructure Royalty program (CGIRP)	<ul style="list-style-type: none"> The CGIRP, which began in 2019, helps achieve GHG reduction goals and methane reduction targets, while also facilitating job creation and maintaining competitiveness in the upstream oil and gas sector. 	<ul style="list-style-type: none"> In spring 2022, the final Request for Applications under the Clean Growth Infrastructure Royalty Program was launched. In August 2022, 11 sustainability projects from seven companies were approved out of a total of 29 approved projects. Nine projects from 2020 were successfully completed ahead of their planned timelines, resulting in GHG reductions sooner than expected. The program resulted in GHG emission reductions of 245,308 tonnes in 2022/23. 	<ul style="list-style-type: none"> The 2022 Request for Applications was the final year of this program. Projects approved in previous years will continue to be advanced to completion. A new program – Healing the Land and Emissions Reductions Program – is under design to repurpose deep well credits. Consultation with First Nations is underway.

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28	Establish requirement for net-zero 2050 plans for industry	<ul style="list-style-type: none"> The net-zero new industry policy will require new industrial facilities to develop a credible plan to be net-zero by 2050 and take into account the Province's 2030 and 2040 emissions reduction targets. The policy requirement will also require new industrial facilities to have net-zero emissions in 2050 and every year thereafter. 	<ul style="list-style-type: none"> B.C.'s New Energy Action Framework is bringing forward the net-zero requirement for new Liquefied Natural Gas (LNG) facilities to 2030. An Intentions Paper was released to consult with Indigenous Peoples and engage with industry and environmental non-governmental organizations on the proposed approach to establishing net-zero new industry requirements in legislation. 	<ul style="list-style-type: none"> <i>Greenhouse Gas Industrial Reporting and Control Act</i> amendments are being developed to establish the policy.
29	Amendments to the Oil and Gas Activities Act (OGAA) and the Petroleum and Natural Gas Act (PNGA) to enable further hydrogen development	<ul style="list-style-type: none"> Proposed amendments will rename the BC Oil and Gas Commission as the British Columbia Energy Regulator, restructure the board, and expand its regulatory responsibilities to include hydrogen. 	<ul style="list-style-type: none"> In November 2022, B.C. passed the <i>Energy Statutes Amendment Act</i> to support implementation of the Roadmap to 2030 by adding the regulation of hydrogen production and associated activities as well as underground storage of carbon dioxide to BCER responsibilities. The amendments provide industry with certainty on who will be regulating planned hydrogen production facilities and a one-window regulator for permitting. 	<ul style="list-style-type: none"> Further regulatory amendments were advanced to bring the <i>Energy Statutes Amendments Act</i> into force effective September 1, 2023. The BCER has a multi-year plan to develop comprehensive regulations for hydrogen production facilities. In the interim, the BCER will be overseeing hydrogen production through permit conditions and existing oil and gas regulations.
30	Energy Action Framework	<ul style="list-style-type: none"> Under the New Energy Action Framework, the Province will: <ul style="list-style-type: none"> Require all proposed LNG facilities in or entering the environmental assessment process to pass an emissions test with a credible plan to be net zero by 2030. Put in place a regulatory emissions cap for the oil and gas industry to ensure B.C. meets its 2030 emissions-reduction target for the sector. Establish a clean energy and major projects office to fast-track investment in clean energy and technology and create good, sustainable jobs in the transition to a cleaner economy. Create a BC Hydro task force to accelerate the electrification of B.C.'s economy by powering more homes, businesses and industries with renewable electricity. 	<ul style="list-style-type: none"> Framework launched in March 2023. 	<ul style="list-style-type: none"> The Clean Energy and Major Projects Office was established to be the primary government liaison for provincial matters related to clean energy and major projects. The BC Hydro Task Force is providing strategic advice to government on ensuring reliable, affordable, and emissions-free energy for future generations.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Buildings				
31	Net-zero energy ready by 2032	<ul style="list-style-type: none"> Improve the BC Building Code in phases to ensure all new buildings are “net-zero energy ready” by 2032. In addition to the mandatory base code, the BC Building Code also includes the Energy Step Code. The Province has expanded the BC Energy Step Code to apply to public sector buildings and is working with partners to develop associated energy performance targets. 	<ul style="list-style-type: none"> The BC Building Code and Building Act General Regulation were amended in February 2023 to require Step 3 of BC Energy Step Code: 20% better energy efficiency for most buildings effective May 1, 2023. 	<ul style="list-style-type: none"> Developing best practice guides for local governments, Building Officials Best Practice Guides, and new compliance tools to support local governments, building officials, and industry on compliance with the new energy efficiency requirements.
32	Introduce carbon pollution standards in the BC Building Code for new buildings; Zero-carbon new construction	<ul style="list-style-type: none"> Develop code requirements that set out the path for new construction to become ready to implement zero-and-low-carbon fuels, phasing in over 2024 and 2027, with a goal to be zero-carbon ready by 2030. 	<ul style="list-style-type: none"> The BC Building Code added new optional technical building requirements for the reduction of GHG emissions. These requirements, commonly referred to as the Zero Carbon Step Code (ZCSC), came into force on May 1, 2023. The requirements use a tiered approach, similar to the BC Energy Step Code. Local authorities have the discretion to determine which of the levels, if any, will apply in their jurisdiction. 	<ul style="list-style-type: none"> Amend BC Building Code in 2024 to move from voluntary, local government discretion on application of the ZCSC to mandatory compliance. Determine appropriate “step” of ZCSC as it is phased in.
33	Energy efficiency standards for existing buildings in the BC Building Code	<ul style="list-style-type: none"> Implement alterations to existing buildings code by 2024 to address climate change mitigation, focusing on energy efficiency and exploring other possible mitigation and adaptation co-benefits. This will be done through work with federal partners to develop energy efficiency standards for voluntary alterations to existing buildings in the national model code that can be adopted in the BC Building Code in 2024. 	<ul style="list-style-type: none"> Continued to work with national code development partners on technical provisions under the National Model Codes to improve energy efficiency of existing buildings undergoing alterations. 	<ul style="list-style-type: none"> Consider early adoption of proposed national model building code requirements for existing buildings to clarify code application and make energy efficiency improvements.
34	Highest efficiency standards for new space and water heating equipment	<ul style="list-style-type: none"> All space and water heating sold in B.C. after 2030 must have efficiency greater than or equal to 100% (for example, heat pump or electric resistance). 	<ul style="list-style-type: none"> Completed preliminary technical and economic analysis to inform development of highest-efficiency standards. 	<ul style="list-style-type: none"> Public consultation on a regulatory proposal is planned, followed by amendments to the Energy Efficiency Standards Regulation that will take effect in 2030. Further work will also be undertaken on incorporating highest efficiency equipment standards into an alterations code for existing buildings. B.C. will continue to lead interjurisdictional work to develop technical standards that will improve regulatory outcomes.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
35	Existing Buildings Renewal Strategy	<ul style="list-style-type: none"> Describe the building regulatory system approach to address climate change mitigation (energy efficiency and GHG emissions) and adaptation (wildfire and wildfire smoke, water conservation, floods, heatwaves, and extreme weather events). The strategy will: <ul style="list-style-type: none"> Work to create a regulatory system that is better able to adapt to local needs, future-oriented, and outcome-based. Highlight and celebrate existing and ongoing initiatives, tools and guidance that support adaptation, maintenance, and improvement of buildings to be more climate resilient. Support housing affordability, equity, community resilience, and economic resilience. Set provincial codes for energy efficiency in relation to voluntary alterations to existing buildings to harmonize with federal standards, align where appropriate with the City of Vancouver, and consider impacts on other code objectives. 	<ul style="list-style-type: none"> Scoping and drafting proposed framework for an Existing Buildings Renewal Strategy and working to align with national alterations to existing buildings. 	<ul style="list-style-type: none"> Continuing to work with partners and the national code system to develop energy efficiency requirement for existing buildings and guidance that addresses resilience in a changing climate.
36	Building energy labelling	<ul style="list-style-type: none"> Improve building energy information available to buyers and renters. Assess the feasibility of energy labels for homes and buildings, similar to ratings for vehicles and major appliances. Introduce a user-friendly, web-based, virtual home-energy rating tool to enable people to learn how efficient their homes are. 	<ul style="list-style-type: none"> A competitive procurement process was undertaken to secure a vendor to develop a Virtual Home Energy Rating System and decision-assistance tool. 	<ul style="list-style-type: none"> A vendor was selected, development is underway, and a pilot is being planned for the Virtual Home Energy Rating System. Policy work is underway to determine the scope and nature of enabling legislation.

Mitigation Table

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
37	Energy retrofits for social housing	<ul style="list-style-type: none"> Funding the energy efficiency component of the Capital Renewal Fund (CRF) for public housing. In Budget 2018, B.C. committed funding over 10 years to upgrade social housing, including retrofitting 51,000 units of publicly owned social housing, making them cleaner, more comfortable and more energy efficient. BC Housing activities on this initiative through CRF projects have been ongoing since 2018. Projects receive upgrades that improve their seismic safety, energy efficiency, and overall condition. BC Housing's Facility Condition Index (FCI) target is 16% to 21%.³ 	<ul style="list-style-type: none"> 391 projects were planned or underway for improving the condition of over 18,511 units of publicly funded housing. Energy audits were planned on 20 projects undergoing major energy retrofits. Activities to align BC Housing standards with provincial GHG savings targets is anticipated as implementation continues over the initiative's ten-year term. As of March 31, 2023, the portfolio FCI rating for social housing stock is 18%. At the start of 2022/23, the FCI of the housing portfolio was 19%. 	<ul style="list-style-type: none"> BC Housing has set the 2023/24 overall target at 21% FCI for provincial housing stock. This target is determined using a 5-year projected average of the condition of the social housing stock, which is an industry-standard approach.
38	CleanBC Better Homes and Better Buildings	<ul style="list-style-type: none"> Incentives to make heat pumps more affordable and make homes and buildings more comfortable through building envelope upgrades. CleanBC enabled further expansion of program offerings, with details of the program available on the CleanBC Better Homes website. 	<ul style="list-style-type: none"> Introduced a heat pump top-up for northern residents. Bolstered funding to expand programs targeted to those that need the most help, including the CleanBC Income-Qualified Program. Continued to expand the network of qualified and trained home performance contractors. About 435 incentives for residential new construction projects and 377 capital incentives have been approved for energy-efficiency and fuel-switching projects in commercial, institutional and multi-unit residential buildings. Continued portfolio-wide program evaluation and undertook billing analysis to quantify/measure impacts. 	<ul style="list-style-type: none"> Exploring the expansion of Better Buildings programs to better enable heat pump installations in MURBs. Launched a pilot program for retrofitting market rental buildings with the City of Vancouver and BC Hydro. Continuing to explore ways to ensure programs are targeted to those that need the most help, with a particular emphasis on Indigenous communities. Continued program evaluation and billing analysis to inform continuous program improvement.
39	CleanBC Building Innovation Fund	<ul style="list-style-type: none"> Encourage the development of innovative and cost-effective low-carbon building solutions in the B.C. building industry. 	<ul style="list-style-type: none"> The fourth intake was put on hold due to budgetary and capacity constraints. 	<ul style="list-style-type: none"> Continued reporting and evaluation of past recipient outcomes.

³ The FCI is a key performance indicator used to objectively quantify and evaluate the current physical condition of a facility based on a facility condition assessment. The FCI value is an indication of the condition of the building – a lower value corresponds to a better building condition.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
40	Enhance energy efficiency incentives	<ul style="list-style-type: none"> CleanBC Roadmap to 2030 committed to: <ul style="list-style-type: none"> – “updated regulations to shift the focus of utility-funded efficiency programs to support market readiness for future standards and codes, place more emphasis on electrification, and to ensure affordability for households and businesses,” including “more support for building envelope improvements such as insulation and better windows, and all kinds of high efficiency heat pumps – electric, gas and hybrid.” – “look for ways to further coordinate and integrate energy efficiency programs to make them more effective and easier to access.” – “proceed with the next steps on a Property Assessed Clean Energy (PACE) program.” 	<ul style="list-style-type: none"> Engagement on amendments to the Demand-Side Measures Regulation was completed. The CleanBC Social Housing Incentives Program (SHIP) was integrated with BC Hydro program infrastructure in order to streamline administration. The Province continued to evaluate ways to further coordinate and integrate energy efficiency programs to make them more effective and easier to access. 	<ul style="list-style-type: none"> Amendments to the Demand-Side Measures Regulation were completed, shifting the focus of utility-funded energy efficiency programs to support market readiness for future codes and standards, ensure affordability for households and businesses, and support building envelope improvements and all kinds of high efficiency heat pumps. Continue exploring the possibility of co-delivering provincial and federal income-qualified retrofit programs. Next steps on PACE are pending.
41	Phase out utility gas equipment incentives	<ul style="list-style-type: none"> Roadmap to 2030 committed to shift regulations so that “Instead of seeing incentives for conventional gas-fired heating equipment such as furnaces and boilers, consumers will see more support for building-envelope improvements such as insulation and better windows, and all kinds of high efficiency heat pumps – electric, gas and hybrid.” 	<ul style="list-style-type: none"> Additional stakeholder and Indigenous consultation was undertaken through the fall and winter of 2022/23. 	<ul style="list-style-type: none"> The Demand-Side Measures Regulation was completed in June 2023.
42	Support adoption of mass timber	<ul style="list-style-type: none"> Established in spring 2021, the Mass Timber Demonstration Program (MTDP) is run by Forestry Innovation Investment with the goals of expanding the use of mass timber in B.C., overcoming barriers to the development of mass timber expertise and construction, and solidifying B.C.’s global leadership in advancing mass-timber products, technologies and services. 	<ul style="list-style-type: none"> The MTDP funded 12 new mass-timber demonstration and research projects through a third intake. 	<ul style="list-style-type: none"> Work will continue on projects funded through the program. No further intakes are planned.

Mitigation Table

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
43	Low Carbon Buildings Materials Strategy (LCBMS)	<ul style="list-style-type: none"> The LCBMS was announced in the Roadmap to 2030. Focuses on reducing the embodied carbon impacts of B.C.'s built environment. Includes an integrated approach to decarbonizing buildings, initially emphasizing public sector buildings, supporting the development and implementation of embodied carbon targets for public sector buildings by 2030. 	<ul style="list-style-type: none"> B.C. worked with Washington, Oregon, and California through the Pacific Coast Collaborative Low Carbon Construction Task Force to develop a shared regional approach for low carbon construction. The task force also published 10 case studies and a map of policy actions case studies driving low carbon construction across the Pacific Coast. The Mass Timber Office conducted a pre-planning session for the Low Carbon Building Materials Strategy in spring 2022. Through the ESFGC, provide guidance on using engineered mass timber in public sector construction projects. 	<ul style="list-style-type: none"> The Pacific Coast Collaborative Vision and Action Plan for a Low-Carbon Pacific Coast Construction Sector is planned for release in fall 2023. Low Carbon Building Material Strategy is slated for completion by end of 2023.
44	Strata Property Act and Regulation – EV Charging Amendments	<ul style="list-style-type: none"> Develop amendments to make it easier for strata corporations and individual strata owners to install EV charging stations and charge their cars at home. 	<ul style="list-style-type: none"> Amendments to the <i>Strata Property Act</i> in support of EV charging received Royal Assent on May 11, 2023. Regulatory amendments to bring some aspects of the legislation into force are expected for fall 2023. 	<ul style="list-style-type: none"> The legislative amendments will improve access to EV charging stations in residential strata buildings by: <ul style="list-style-type: none"> lowering the voting threshold from 75% to 50% approval for expenditures and changes to common and personal property that are needed to install EV charging stations; requiring strata corporations to obtain an electrical planning report to help understand the building's electrical capacity and plan for the expansion of EV charging stations; requiring strata corporations to approve owners' requests to install EV charging stations at the owners' expense, when reasonable criteria are met.
Communities				
45	CleanBC Communities Fund	<ul style="list-style-type: none"> Federal, provincial, local government and Indigenous community investment in clean infrastructure. Provincial and federal governments are investing as part of the Investing in Canada Infrastructure Program, supporting infrastructure projects for public use and benefit. The projects will lead to increased capacity to manage renewable energy, increased access to clean energy transportation, increased energy efficiency of buildings, and increased generation of clean energy. 	<ul style="list-style-type: none"> Provincial and federal funding allocated across all three intakes. 	<ul style="list-style-type: none"> Final federal approvals continuing and underway in 2023. A total of 59 projects were approved as of October 2023.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
46	Local Government Climate Action program (LGCAP)	<ul style="list-style-type: none"> Funding allocated to local governments and Modern Treaty Nations to support local climate action, help reduce emissions, create opportunities for people, and prepare communities for future climate impacts. 	<ul style="list-style-type: none"> Engagement sessions were held across B.C. from January to March 2023 to improve LGCAP reporting requirements. In spring 2023, the second reporting period was launched with revised requirements based on input from participants from over 200 local government and Modern Treaty Nation staff. To receive funding, participants complete an annual survey. Information collected provides insights into the range of community actions taken to reduce GHG emissions and prepare for the impacts of a changing climate. The information gathered also enables tracking progress over time. 	<ul style="list-style-type: none"> A conference in fall 2023 will bring local government and public sector staff together to share knowledge and recognize the leadership, achievements, and experiences of B.C. communities across a range of areas such as land use planning, climate adaptation, buildings, transportation, waste, water and energy. The conference will also elicit feedback on how to improve LGCAP going forward.
47	Complete Communities	<ul style="list-style-type: none"> Suite of supports for local governments to make evidence-based planning and land-use decisions to reduce GHG emissions. Program builds on the 2008 BC Climate Action Charter, which established a framework for provincial and local government climate action and voluntary commitments to create complete, compact, and energy-efficient communities. 	<ul style="list-style-type: none"> Initiative launched and Complete Communities Guide released. First funding intake awarded in summer 2023. 	<ul style="list-style-type: none"> Finalize and release data supports. Second funding intake closes in early 2024.
Low Carbon Energy				
48	Establish emissions cap for natural gas utilities for 2030	<ul style="list-style-type: none"> The Roadmap to 2030 commits to legislation that would require natural gas utilities to undertake activities or investments to reduce emissions of their buildings and industry customers (except upstream oil and gas and LNG) to around 6 MtCO₂e by 2030. Utilities will be provided with a wide range of flexible compliance pathways to achieve this objective. Utility efforts would be overseen by the British Columbia Utilities Commission to ensure these actions are cost effective and mitigate rate impacts for natural gas customers. 	<ul style="list-style-type: none"> Development of an implementation approach is underway. 	<ul style="list-style-type: none"> Legislation being considered for 2024.
49	Increase supply of cleaner fuels	<ul style="list-style-type: none"> Increase the supply of cleaner fuels by ramping up new production in B.C. to 1.3 billion litres of renewable gasoline and diesel by 2030. 	<ul style="list-style-type: none"> Total renewable fuel supply in B.C. increased by about 14% from 2021 to 1.02 billion liters in 2022. 	<ul style="list-style-type: none"> Exploring opportunities to further increase supply of cleaner fuels. Supply companies moving forward in accordance with their agreements.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
50	Hydrogen Strategy and Hydrogen Office	<ul style="list-style-type: none"> Research and launch of roadmap to increase adoption of hydrogen and fuel-cell technologies in the province. 	<ul style="list-style-type: none"> Worked with Geoscience BC to produce the Geological Carbon Capture and Storage (CCS) Atlas to identify the best potential carbon dioxide storage locations in subsurface rock in Northeastern B.C. The CCS Atlas will support B.C.'s net zero carbon dioxide goals by 2050 and will assist with the evaluation and decision-making for potential carbon storage and hydrogen projects. Collaborated with the B.C. Centre for Innovation and Clean Energy to release the Carbon Intensity of Hydrogen Production Methods Report. 	<ul style="list-style-type: none"> Collaborated with the B.C. Centre for Innovation and Clean Energy on the release of the BC Hydrogen Regulatory Mapping Study. Worked with First Nations Energy and Mining Council through the Indigenous Clean Energy Opportunities (ICEO) to deliver the "Exploring Hydrogen Opportunities for First Nations" workshop. Working with the City of Prince George to support development of a Central BC Hydrogen Hub as well as co-developing a study to advance hydrogen-related development, promote education and engagement, and streamline permitting for hydrogen projects. Working to complete the Indigenous Hydrogen Market Opportunity Study through ICEO engagement. Working with Fraser Basin Council to develop a hydrogen safety curriculum for sector participants. Continuing to implement goals and strategies as outlined in the BC Hydrogen Strategy.
51	CleanBC Remote Community Energy Strategy (RCES)	<ul style="list-style-type: none"> The RCES aims to reduce diesel generation of electricity province-wide by 80% by 2030 through three streams of coordinated action: capacity building, efficient and low-carbon buildings, and clean electricity generation. The RCES is a 10-year initiative, with a 2030 target. 	<ul style="list-style-type: none"> Program delivery provider Coastal First Nations – Great Bear Initiative funded and supported 10 Indigenous Climate Action Coordinators through the Indigenous Climate Action Network (I-CAN). Climate Action Coordinators support the planning and implementation of energy efficiency, renewable energy generation, and climate change adaptation projects in their communities. Delivered three engagement sessions with BC Hydro on the decarbonization of Non-Integrated Areas, including potential regulatory changes to advance development of renewable energy projects that displace diesel generation. 	<ul style="list-style-type: none"> As of summer 2023, there are 10 Climate Action Coordinators, representing remote Indigenous communities. I-CAN plans to grow to 25 participating Nations by 2025. Consult Indigenous and civic communities on proposed regulatory amendments to accelerate the approval of renewable energy projects in remote Indigenous communities.
52	BC Innovative Clean Energy (ICE) Fund	<ul style="list-style-type: none"> The ICE Fund is a legislated Special Account designed to support government's energy and environmental priorities and advance B.C.'s clean energy sector. Technology demonstrations have included bioenergy, solar, ocean-tidal, geoexchange, desalination, energy management, smart-grid, and waste to energy. The ICE Fund continues to offer a joint-call partnership (since March 2017) with Sustainable Development Technology Canada to support the development of pre-commercial clean energy technologies and projects. 	<ul style="list-style-type: none"> Seven initiatives were funded. 	<ul style="list-style-type: none"> Ongoing ICE Fund operations and open call for project funding applications. Invested in the Heavy-Duty Hydrogen Fuel Cell Pilot Truck Project, which sets the stage for market adoption and scaling of low carbon hydrogen in the trucking sector.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
53	BC Indigenous Clean Energy Initiative (BCICEI)	<ul style="list-style-type: none"> The BCICEI provides support and capacity-building funds to Indigenous communities working on the development of clean energy projects. Benefits include improved power/heat reliability, cost savings for residents and communities, stimulating economic activity, improving local air quality, hiring and training local community members, and expanding local economies. 	<ul style="list-style-type: none"> Independent program evaluation on community impact completed in fall 2022. Program delivery agent (New Relationship Trust) worked with 15 communities to implement projects under the seventh intake (January 2023). 	<ul style="list-style-type: none"> In June 2023, the Province announced \$140 million for BCICEI to support smaller Indigenous-led power projects, create economic opportunities for First Nations, and advance community self-determination. The program development team is currently in the design phase for the new funding stream, to be awarded in early 2024.
54	Low Carbon Fuel Standard (LCFS)	<ul style="list-style-type: none"> Roadmap to 2030 commitment to make our fuel cleaner by increasing the LCFS to 20% by 2030. The <i>Greenhouse Gas Reduction (Renewable and Low Carbon Fuel Requirements) Act</i> has been in effect since January 1, 2010. Carbon intensity targets become more stringent every year to 2030. Part 3 Agreements can be used to support development of production capacity in low carbon fuels to support the CleanBC goal to develop capacity to produce 1.3 billion litres of low carbon fuel every year by 2030. 	<ul style="list-style-type: none"> Effective January 1, 2023, the LCFS was amended to increase the carbon intensity reduction requirement to 30% by 2030 and increase the non-compliance penalty from \$200/tonne to \$600/tonne. 	<ul style="list-style-type: none"> Work is underway to implement the <i>Low Carbon Fuels Act</i>, expected to come into force on January 1, 2024. Changes include the addition of a jet fuel category under the LCFS to reduce emissions from the aviation sector and the expansion of the Initiative Agreement program to support low carbon fuel projects.
55	BC Centre for Innovation and Clean Energy (CICE)	<ul style="list-style-type: none"> B.C., Canada, and Shell Canada are each committing funding toward the new BC CICE and collaborating to decarbonize the economy and scale up clean energy. The BC CICE's initial focus areas for funding and project delivery include: <ul style="list-style-type: none"> Carbon capture, utilization, and storage. Production, use and distribution of low-carbon hydrogen. Biofuels and synthetic fuels (including marine and aviation fuels). Renewable natural gas. Battery technology, storage and energy management systems. The centre also initiates new technology pathways to accelerate larger reductions on the path to net-zero emissions by 2050. 	<ul style="list-style-type: none"> Produced Carbon Intensity of Hydrogen Production Methods Report that included an assessment of potential GHG reductions from blending hydrogen into the gas grid. Worked with Geoscience BC to produce the Geological Carbon Capture and Storage Atlas. 	<ul style="list-style-type: none"> Continued to fund B.C. clean energy projects and companies. Released the BC Hydrogen Regulatory Mapping Study to identify the current regulatory framework applicable to the development of hydrogen production projects in B.C.

Mitigation Table

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
56	BC Hydro 100% Clean Electricity Delivery Standard	<ul style="list-style-type: none"> Under a 100% Clean Electricity Delivery Standard, BC Hydro must show that it has acquired and generated enough clean electricity to meet the needs of its domestic customers. 	<ul style="list-style-type: none"> The standard is now reported on in BC Hydro's Annual Service Plan. In fiscal year 2021/22, BC Hydro delivered 100% clean electricity to domestic customers. 	<ul style="list-style-type: none"> Continued reporting on the 100% Clean Electricity Standard.
57	Phase out natural gas-fired BC Hydro generation facilities	<ul style="list-style-type: none"> Retirement of natural gas-fired Energy Purchase Agreements between independent power producers and BC Hydro, potential replacement of BC Hydro's Fort Nelson Generating Station. 	<ul style="list-style-type: none"> BC Hydro's Integrated Resource Plan (IRP) brought before the British Columbia Utilities Commission. 	<ul style="list-style-type: none"> BC Hydro's IRP is under review by the British Columbia Utilities Commission.
58	Implement BC Hydro Electrification Plan	<ul style="list-style-type: none"> BC Hydro published the Electrification Plan in September 2021 and filed it as part of its Fiscal 2023 to 2025 Revenue Requirements Application (RRA) with the British Columbia Utilities Commission. Implementation of BC Hydro's Electrification Plan is a key near-term action highlighted in the CleanBC Roadmap to 2030. The Electrification Plan includes expenditures to increase low carbon electrification, attract new load and connect customers more efficiently. It will reduce rate increases for customers, lower GHG emissions and provide economic benefits. 	<ul style="list-style-type: none"> Work underway on the Electrification Plan. 	<ul style="list-style-type: none"> The British Columbia Utilities Commission released a preliminary decision on BC Hydro's Fiscal 2023 to Fiscal 2025 RRA on April 21, 2023. In this decision, the commission approved BC Hydro's Electrification Plan forecasts for the residential, commercial, and light industrial sector, as well as the majority of forecasted industrial load electrification.
59	Residential electrification rates	<ul style="list-style-type: none"> BC Hydro will examine new rate options to support residential electrification that could include optional time of use rates and potentially rate options for heat pumps. 	<ul style="list-style-type: none"> BC Hydro has applied to the British Columbia Utilities Commission for an optional time-of-use rate, which would provide savings for EV owners and other residential customers that have flexibility in when they use electricity. 	<ul style="list-style-type: none"> BC Hydro's application for an optional residential time-of-use rate is still before the British Columbia Utilities Commission. BC Hydro continues to explore options for residential electricity rates.
60	Community Energy Diesel Reduction (CEDR) program	<ul style="list-style-type: none"> CEDR program provides funding for clean-energy initiatives to eligible remote communities that are in off-grid residential regions and rely on diesel fuel for electricity generation. Three funding streams support communities through various stages of their planning and implementation of decarbonization projects. CEDR program delivered in partnership with the New Relationship Trust to facilitate investments in energy planning, energy-efficiency projects, and renewable-energy infrastructure. 	<ul style="list-style-type: none"> In 2022, 12 First Nations communities received funding in the first CEDR program intake to develop alternative energy projects and advance energy efficiency. 	<ul style="list-style-type: none"> In April 2023, the Province announced funding to extend the CEDR program by three years. CEDR will fund an estimated 96 projects over the program's six-year lifespan, including support for First Nations to replace diesel power generation with cleaner options such as hydro-electric, solar, biomass and wind. CEDR program secretariat is considering a second intake this fiscal for Community Energy Plans and Demand Side Management project proposals.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Circular Economy				
61	Circular economy approach	<ul style="list-style-type: none"> Develop a circular economy strategic approach that features best practices in B.C. addressing challenges such as climate change, biodiversity loss, waste and pollution, with a primary focus on emissions reductions. Incorporate a shared vision, guiding principles and government initiatives on social, environmental and economic drivers for the circular economy. Assess the current circular economy landscape in B.C. Establish and signal a shared vision on a desired trajectory for a B.C. circular economy, in partnership with Indigenous Peoples. Identify possible future areas of policy modernization to support the shift to a circular economy. 	<ul style="list-style-type: none"> Development of research base to support circular economy indicators. High-level CleanBC engagement with Indigenous partners in fall 2022. 	<ul style="list-style-type: none"> Three engagement streams expected to begin in fall 2023, which will support early dialogue with Indigenous Peoples, local governments, and industry. Industry engagement will target stakeholders representing four sectors that either had early adoption or have high potential for adoption of circular economy practices supporting GHG emission reductions: forestry, agriculture, mining, construction and the built environment. Regulatory scoping under the <i>Environmental Management Act</i> is underway for possible future amendments (both regulatory and legislative).
62	CleanBC Organics Infrastructure Collection Program (OICP)	<ul style="list-style-type: none"> The OICP will invest in new/expanded organic waste processing infrastructure and residential organic waste collection programs. 	<ul style="list-style-type: none"> Most projects advanced from procurement to construction and operational stages. The Province continues to support all recipients to ensure successful project completion. The Indigenous Zero Waste Technical Advisory Group remains contracted by the province to assist Indigenous recipients. 	<ul style="list-style-type: none"> Several opening events are expected in 2023/24, and most facilities will be completed by March 31, 2024. GHG emissions reductions are captured in annual reporting data, which will increase as facilities become operational and organic waste begins to be diverted from landfills and processed into compost.
63	Organics Infrastructure Program	<ul style="list-style-type: none"> The Low Carbon Economy Leadership Fund Organics Infrastructure Program (OIP) invests in new/expanded organic waste processing infrastructure. This is a joint federal and provincial funding program. 	<ul style="list-style-type: none"> Support continued for the 14 organics processing projects that were underway in 2021/22. In August 2022, three additional projects were awarded funding for new organic processing infrastructure: District of Kitimat, Heiltsuk First Nation, and Kwadacha First Nation. Strengthening relationships with Indigenous recipients by contracting the Indigenous Zero Waste Technical Advisory Group to support projects in Indigenous communities. 	<ul style="list-style-type: none"> The Organics Compost Facility at the Oliver Landfill was inaugurated in June 2023, and several other opening events are expected in 2023/24. Ten facilities are completed or will be near completion within the first half of 2023/24. The remaining facilities will be completed in the last half of 2023/24. All projects are expected to be operational by the program end date of March 31, 2024.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
64	Clean Coast, Clean Waters Initiative Fund – shoreline and derelict vessel clean-up	<ul style="list-style-type: none"> The Clean Coast, Clean Waters Initiative Fund provides funding for projects to clear B.C.'s shores of marine debris and derelict vessels. 	<ul style="list-style-type: none"> Additional funding in 2022/23 for successful projects, with Coastal First Nations-Great Bear Initiative and PwC Canada administering new projects: <ul style="list-style-type: none"> Coastal Restoration Society – one derelict vessel and one shoreline clean-up project Ocean Legacy Foundation – one shoreline clean-up project Misty Isles Economic Development Society – one shoreline clean-up project. 	<ul style="list-style-type: none"> One-time funding added to the Clean Coast, Clean Waters Initiative Fund, to be allocated through 2023/24 and 2024/25. The funding will continue to be administered by Coastal First Nations-Great Bear Initiative and by PwC Canada through a merit-based assessment process.
65	CleanBC Plastics Action Fund – increase the use of recycled plastics	<ul style="list-style-type: none"> The CleanBC Plastics Action Fund will turn used plastics into new products, support the circular economy of plastics, increase local processing capacity for recycling and create new jobs. 	<ul style="list-style-type: none"> Phase 1 of the CleanBC Plastics Action Fund is now complete, with projects increasing B.C.'s capacity to process and use recycled plastic by 20,000 tonnes per year. Phase 2 expanded upon the first round of funding for recycled plastics, with the addition of dedicated funding for businesses developing reuse systems and for Indigenous-led projects. At the end of 2022/23, a third round of funding was allocated for the CleanBC Plastics Action Fund. 	<ul style="list-style-type: none"> Under Phase 2, 14 projects were announced in April 2023, with all projects to be completed by February 2024. Phase 3 applications opened in fall 2023. The Indigenous Zero Waste Technical Advisory Group is supporting indigenous-led businesses and community projects.
66	Advancing recycling in B.C.: Extended Producer Responsibility Five-Year Action Plan 2021-2026	<ul style="list-style-type: none"> A phased approach where producers will be responsible for implementing, funding and managing recycling programs for more products, such as single-use products and EV batteries. Extended producer responsibility is a critical component to address recovery and recycling, a contributing key element that helps drive a circular economy. 	<ul style="list-style-type: none"> Refined the scope and definitions of the product categories (to be added in fall 2023). Conducted targeted engagement in fall 2022 with parties affected by the refined scope for new product categories, including: mattresses, moderately hazardous products (compressed canisters, aerosols, automotive containers, fire extinguishers and medical sharps), and broader categorical definitions for batteries. Launched Rural and Remote Working Group for local governments, indigenous communities and businesses, with the goal of identifying potential interim opportunities to increase the diversion of industrial, commercial and institutional sector packaging and paper in rural and remote communities. 	<ul style="list-style-type: none"> Considering amendments to the Recycling Regulation to add new product categories. Considering definitions and approach for EV batteries and emerging electronics. Evaluating industrial, commercial and institutional sector packaging and paper, including potentially issuing a discussion paper in fall 2023.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
67	Single-Use and Plastic Waste Prevention Regulation	<ul style="list-style-type: none"> Implementing a new regulation to reduce single-use and plastic waste by limiting or banning the use of certain items. 	<ul style="list-style-type: none"> In April 2022, the Preventing Single-Use and Plastic Waste in British Columbia intentions paper (IP) was released to identify actions to regulate the use of certain single-use and plastic items. The IP outlined the development of a proposed waste prevention regulation that would regulate the following items: checkout bags, disposable food service accessories (utensils, straws, condiment sachets), problematic plastics (polystyrene foam, PVC and compostable plastic food service ware packaging and all oxo-degradable plastic packaging). 	<ul style="list-style-type: none"> The Single-Use and Plastic Waste Prevention Regulation was announced on July 14, 2023, and will come into effect on December 20, 2023. A significant public and business education campaign is planned to support implementation of the new regulation.
Public Sector Leadership				
68	CleanBC Government Buildings program	<ul style="list-style-type: none"> Working to make government buildings more energy efficient, and reduce GHG emissions through retrofits, innovative building design, and by switching to clean energy sources. Targets: reduce GHG emissions in core-government buildings (buildings for government ministries) 50% by 2030 and 80% by 2050, relative to 2010 levels. 	<ul style="list-style-type: none"> Since the program's launch in 2019, energy-retrofit projects have been implemented or are underway at more than 52 government buildings. These projects include more efficient heating and ventilation systems, low-carbon electrification, heat recovery, better insulation and airtightness, and lighting upgrades. All major existing building HVAC projects under Real Properties Division's (RPD) purview now pass through an electrification analysis, and several fuel-switching projects are already underway. Launched the internal Climate Action Requirements for New Building Constructions in 2022, which includes the commitment that all newly constructed core-government facilities will use 100% clean energy. 	<ul style="list-style-type: none"> Developing a decarbonization strategy for existing core-government buildings to meet the program's GHG emissions reductions target for 2030 and set the path to the 2050 target. Continue planning and implementing low-carbon electrification projects.
69	Charging stations at government buildings (fleet and employee/visitor)	<ul style="list-style-type: none"> Expand government building charging infrastructure throughout the province. 	<ul style="list-style-type: none"> Expanded the number and scope of EV projects in 2022/23, with around 400 fleet and employee/visitor chargers in place by the end of the first quarter. 	<ul style="list-style-type: none"> Planning to install 306 vehicle charging stations, with two thirds for government fleet and one-third for employee/visitor use. BC Hydro is seeking partnership to explore installation of DC Fast Chargers and Level 2 chargers at government facilities that have a high potential for public usage. Deploy the End-to-End Charging Services Program, which will support supply, installation, and maintenance of EV charging stations.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
70	CleanBC Government Fleet Program	<ul style="list-style-type: none"> The program aims to significantly reduce government's vehicle fleet emissions through the switch to ZEVs and act as a catalyst for change across the broader public sector. 	<ul style="list-style-type: none"> Initiated a new vehicle replacement process that includes 3-year rolling budgets (currently 1-year budgets), which will enable long-term planning. Implemented BC Hydro charge cards that enable vehicle charging at public facilities, and planning dashboards that aid in locating charging stations and trip planning. Implementing a ZEV-first procurement approach. 	<ul style="list-style-type: none"> Implementing SWITCH charge card program for fleet vehicles to increase charging options beyond government facilities. Rolling out EV Charging Services Dashboard and CleanBC Fleet Route Planner for ZEV Fleet Drivers.
71	Carbon Neutral Government (CNG) reporting	<ul style="list-style-type: none"> Public sector organizations (PSOs) in B.C. have been carbon neutral since 2010, as committed in the <i>Climate Change Accountability Act</i>. Under B.C.'s CNG program, all PSOs follow a five-step process to achieve carbon neutrality: measure, reduce, offset, report and verify. 	<ul style="list-style-type: none"> PSO emissions in 2022 were 9% lower than they were in 2010. In June 2023, the Ministry of Environment and Climate Change Strategy retired 648,933 carbon offsets on behalf of PSOs. Work underway to accelerate GHG emissions reductions, develop capacity to prepare for climate change, and facilitate the deployment of ZEVs. 	<ul style="list-style-type: none"> Host the first combined Local Government and PSO Climate Leadership Symposium to foster greater collaboration. Continuing to support PSOs to prepare for the effects of climate change and to meet public sector's GHG emissions-reduction targets.
72	Low carbon standards for existing public sector buildings	<ul style="list-style-type: none"> Developing and implementing a comprehensive strategy (2024) to transform our existing buildings portfolio to a low carbon and resiliency standard. 	<ul style="list-style-type: none"> Completed a project to model the energy performance and GHG emissions of five public building archetypes and provided a Low-Carbon and Resiliency for Retrofits Report. Started developing the Public Sector Existing Buildings Strategy (PSEBS), with research to assess the costs and benefits of strategy proposals. 	<ul style="list-style-type: none"> Cross-ministry working group to continue developing the PSEBS. Engagement beginning in fall 2023 on policy options for driving GHG emissions reductions and climate resilience of existing public sector buildings.
73	Low carbon standards for new public sector buildings	<ul style="list-style-type: none"> Requiring all new public sector buildings to align with B.C.'s climate goals beginning with performance standards (2023) and moving to zero-carbon new buildings (2027). 	<ul style="list-style-type: none"> The Energy and Emissions Assessment Framework has been incorporated as one of three paths to meet the GHG emissions standard in the Environmental, Social and Governance Framework for Capital. This framework is intended to reduce GHG emissions by 50% compared to a Leadership in Energy and Environmental Design (LEED) Gold design. Projects may also use 100% clean energy as defined by the <i>Clean Energy Act</i>, or meet the most stringent level of the Zero-Carbon Step Code if available to comply. 	<ul style="list-style-type: none"> In 2023/24, 38 major provincially-owned buildings are in planning and further 56 are under construction that will meet the new low-carbon standards. Assisting PSOs to prepare for the low-carbon requirement for new buildings, so that as of 2028 all new public sector buildings will be designed to use 100% clean energy for their primary space and water heating. Update the EV-ready building requirements to reduce complexity and facilitate compliance.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
74	Public sector light-duty ZEV-first requirement Public sector medium/heavy-duty ZEV-first requirement	<ul style="list-style-type: none"> Making zero-emission passenger and medium/heavy-duty vehicles the default option for public sector fleets. ZEVs will account for 100% of light-duty vehicle acquisitions by 2027. All public-sector passenger vehicle inventory will be ZEVs by 2035 and medium/heavy-duty vehicle by 2040 (Under2 Pledge at Conference of the Parties (COP26)). 	<ul style="list-style-type: none"> In 2022, ZEVs accounted for approximately 26% of light-duty vehicle acquisitions. Conducted research and analysis using improved public sector fleet data to highlight potential emissions reductions strategies. 	<ul style="list-style-type: none"> Continue improving the accuracy and scope of public sector fleet data to support the development, implementation, and performance tracking of a ZEV-first acquisition approach for public sector fleets.
75	Climate lens on government capital projects	<ul style="list-style-type: none"> Factoring climate considerations into government decision-making, ensuring a focus on climate resilient, zero- or low-carbon projects. This priority will be delivered through capital projects as they include an assessment of these factors in their planning and approval processes. 	<ul style="list-style-type: none"> Introduced in 2022 the Environmental, Social and Governance Framework for Capital (ESGFC), which provides guidance and resources to PSO capital projects aligned with four key pillars: CleanBC, Labour, Childcare, and Mass Timber. The CleanBC pillar specifically sets requirements for PSOs to design new buildings to: <ul style="list-style-type: none"> Be resilient to future climate conditions. Substantially reduce fossil fuel use. Easily deploy EV charging infrastructure. 	<ul style="list-style-type: none"> Ongoing deployment of the ESGFC with a focus on communicating the CleanBC requirements to PSOs.
76	Embodied carbon targets for public sector buildings	<ul style="list-style-type: none"> Includes an integrated approach to decarbonizing buildings, initially emphasizing public sector buildings, supporting the development and implementation of embodied carbon targets for public sector buildings by 2030. 	<ul style="list-style-type: none"> The Mass Timber Office conducted a pre-planning session for the Low Carbon Building Materials Strategy in spring 2022. Through the ESGFC, provide guidance on using engineered mass timber in public sector construction projects. 	<ul style="list-style-type: none"> Low Carbon Building Material Strategy is slated for completion by end of 2023.
77	Carbon Neutral Capital Program (CNCP)	<ul style="list-style-type: none"> CNCP funding supports carbon-neutral projects that have the greatest impact on reducing GHG emissions and providing energy efficiency and operational cost savings. 	<ul style="list-style-type: none"> In 2022/23, CNCP supported 65 projects at post-secondary institutions and 73 projects in 52 school districts. 	<ul style="list-style-type: none"> In 2023/24, CNCP is supporting approximately 52 projects at 25 post-secondary institutions and 77 projects in 52 school districts.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Forest and Agriculture				
78	Slash pile burning reduction initiatives	<ul style="list-style-type: none"> • Slash piles – the residue from conventional forest harvesting – have long been burned as a way to help reduce the risk of wildfires and to enhance habitat for wildlife and replanting. • Roadmap to 2030 commitment to the near elimination of slash pile burning by 2030. • The Province will work to increasingly divert materials away from slash piles and into bioproduct development, reducing both air pollution and GHG emissions while creating new economic opportunities. 	<ul style="list-style-type: none"> • Continuing to explore policy development to reduce slash burning and encourage improved utilization of residual fibre. 	<ul style="list-style-type: none"> • The Province is currently funding research to reduce the uncertainty in GHG emission factors for better reporting of slash pile emissions. This work is also looking to improve the ability to estimate how much residual fibre is created through timber harvesting to help facilitate more secondary product manufacturing opportunities.
79	Updating policy and laws to allow use of Crown land for offset purposes	<ul style="list-style-type: none"> • A new B.C. Forest Carbon Offset Protocol will expand access to the carbon-offset market for Indigenous communities and forest companies, supporting them to generate revenue while helping others meet their climate commitments. The protocol will also help to focus attention on the value of non-timber forest benefits, including biodiversity protection and carbon sequestration. • Currently there is not a clear pathway to establish forest carbon offset projects on Crown land in B.C. 	<ul style="list-style-type: none"> • The Province will provide detailed documentation for external audiences and potential forest carbon offset project developers. 	<ul style="list-style-type: none"> • Continuing to develop guidance, policy and laws to more easily enable the use of publicly administered land for the purposes of establishing forest carbon offset projects.
80	Indigenous Bioproducts Accelerator program	<ul style="list-style-type: none"> • The objective is to expand the Indigenous Forest Bioeconomy program to include a new Accelerator program, which will help Indigenous partners commercialize and scale-up innovative forest-based products by unlocking capital for innovative Indigenous bioeconomy projects. • Two to four projects will be funded per fiscal year. Projects can be in the pilot/demonstration, commercialization, or scale-up phase. 	<ul style="list-style-type: none"> • Innovation and sustainability projects underway that have significant positive impacts, such as: <ul style="list-style-type: none"> – Deadwood Innovations aims to convert wood waste and low-value wood products into high-value alternatives, fostering a circular economy in the forestry industry. – Dicin Foam, a collaboration between a First Nation community and the University of British Columbia, which is focused on developing a biodegradable packaging material to replace Styrofoam. 	<ul style="list-style-type: none"> • Project applications opened in April 2023 for the 2023/24 program year, with applications being accepted on a rolling basis. • Three projects have been planned, with one already approved and underway.
81	Methane reduction policy in forestry	<ul style="list-style-type: none"> • Increase understanding of how methane is released in forestry, due to decomposition of wood waste in landfills. 	<ul style="list-style-type: none"> • Work continues to quantify and validate the contribution of wood waste in landfills to provincial GHG emissions. 	<ul style="list-style-type: none"> • Funding research to improve uncertainty in methane emission factors from slash pile burning.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
82	Forest Investment Program (Forest Carbon Initiative)	<ul style="list-style-type: none"> Funded by the Low Carbon Economy Leadership Fund, the program will result in an estimated carbon benefit of approximately 9 Mt CO₂e by 2050. 	<ul style="list-style-type: none"> Ongoing reforestation, fertilization, tree improvement, and road rehabilitation investments. 	<ul style="list-style-type: none"> Ongoing fertilization investments.
83	2 Billion Trees Program (2BT)	<ul style="list-style-type: none"> The 2BT Program provides financial support to organizations to plant trees over 10 years. Supported by a Canada-B.C. Agreement in Principle under the Provinces and Territories stream of the 2BT Program with a shared commitment to delivering social, economic and environmental benefits for communities through tree planting. 	<ul style="list-style-type: none"> Funded the planting of 8.06 million trees. 	<ul style="list-style-type: none"> Planning to plant 29 million trees.
84	Cost-sharing for on-farm implementation of mitigation-related Beneficial Management Practices (BMPs)	<ul style="list-style-type: none"> Cost-share support to incent farmer adoption of BMPs related to climate change mitigation, such as for projects related to biogas, electrification, manure management, nutrient management, and carbon sequestration. 	<ul style="list-style-type: none"> BMP plan applications opened in March 2022, and project applications opened in April 2022 for 2022/23. Site audits for project verifications were completed January to March 2023. All program targets were met or exceeded for the 2022/23 funding cycle. 	<ul style="list-style-type: none"> Starting April 1, 2023, the historic program 'lifetime' cap of \$70,000 will be removed, and all farms will be 'reset to zero'. Each farm business will be eligible for up to \$100,000 of new funding for the upcoming program year. Funding for water management projects will be available through the BMP program as part of the Agricultural Water Infrastructure Program (for individual producer projects).
85	Canada-BC Agri-Innovation Program	<ul style="list-style-type: none"> The Canada-BC Agri-Innovation Program provides application-based funding to accelerate innovation projects from industry, food processors, retailers and others that make the B.C. agricultural sector more sustainable, resilient, and competitive. Funded via the Sustainable Canadian Agricultural Partnership. 	<ul style="list-style-type: none"> 10 new projects were approved for 2022/23. 	<ul style="list-style-type: none"> Program planning is underway for the next 5-year term, with program delivery to be contracted by fall 2023 and a late application window planned for 2023/24.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
86	Regenerative Agriculture and Agritech Strategic Policy	<ul style="list-style-type: none"> Provide strategic advice on opportunities to promote innovation, technology adoption, and regenerative practices that will increase the productivity, profitability, and sustainability of B.C.'s food system. Supported by a Minister's Advisory Group on Regenerative Agriculture and Agritech, Indigenous food sovereignty champions, and a BC Agriculture Council farmer cohort. 	<ul style="list-style-type: none"> The Minister's advisory group convened through 2022/23 and delivered their B.C. Sustainable Agriculture Strategic Framework (January 2023) and Final Report and Recommendations to the Minister (June 2023). The advisory process established strong consensus across stakeholders on the sector's approach to sustainability that will inform the Ministry of Agriculture and Food's future direction. 	<ul style="list-style-type: none"> In February 2023, the Select Standing Committee on Agriculture, Fish, and Food was empowered to examine carbon sequestration and related technology in B.C.'s agricultural sector and make recommendations with respect to: <ul style="list-style-type: none"> Opportunities to increase carbon content in agricultural soils in B.C. Supports for B.C.'s agricultural technology sector as they relate to carbon sequestration. Supports and incentives for encouraging the use of made-in-BC agricultural technology innovations to enhance carbon sequestration. Developing a B.C. Soil Health Strategy, supported by a Soil Health Technical Working Group.
87	Fraser Valley Flood Mitigation (FVF) Program	<ul style="list-style-type: none"> The FVF Program is a multi-year program that provides funding to agricultural producers located in the Fraser Valley and are at high flooding risk Funding supports solution-focused flood mitigation projects, including riparian and ecosystems/habitat restoration. 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Program launched in 2023/24 with Expression of Interest (EOI) applications from eligible organizations, First Nations, municipalities and regional districts. Application process completed by October 2023, with successful projects having two years for completion. Targeted funding for individual producers' on-farm flood resiliency projects in the Fraser Valley will be available through the Beneficial Management Practices Program.
88	Farmland Advantage and Delta Farmland and Wildlife Trust Programs	<ul style="list-style-type: none"> The Farmland Advantage and Delta Farmland and Wildlife Trust Programs provide funding for producers or organizations in targeted areas for carbon sequestering 'ecosystem services' such as tree planting, wetland restoration, cover cropping, cropland conversions and set asides. Funded via CleanBC and the Sustainable Canadian Agricultural Partnership's Resilient Agricultural Landscapes Program, with contributions from the BC Wildfire Service and Watershed Security Fund. 	<ul style="list-style-type: none"> For the Farmland Advantage Program, a total of 76 farms were contracted in 2022/23 for ecosystem services in riparian areas (52 farms), grasslands (19 ranches), and wildfire risk reduction (5 ranches). Key restoration activities included removal of invasive species, planting of beneficial species, fencing, and bank stabilization. 	<ul style="list-style-type: none"> Farmland Advantage will be expanding in 2023/34 under the new federal Resilient Agricultural Landscapes Program. It will be delivered via the Investment Agriculture Foundation and is expected to scale up to over 90 sites over a greater number of target regions. Onboarding of farmers and project scoping is currently underway.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
89	Environmental Farm Plan (EFP) Program	<ul style="list-style-type: none"> The objective of the EFP Program is to educate producers by raising environmental awareness and enhancing environmental farm stewardship. The program provides producers in B.C. with access to qualified planning advisors who provide education and assistance in the completion of on-farm agri-environmental risk assessments. Eligible producers can access cost-shared funding via the Beneficial Management Practices Program to complete projects that mitigate on-farm agri-environmental risks. 	<ul style="list-style-type: none"> In total, 488 new and 199 renewed EFPs were completed. The Fraser Valley and the Okanagan Similkameen had the highest numbers of completed EFPs among regional districts. The commodities with the highest participation numbers in the EFP Program were dairies (21%), followed by beef (13%) and blueberries (10%). 	<ul style="list-style-type: none"> The EFP Program will continue to be delivered by the Investment Agriculture Foundation. Producers can access on-farm appointments with a planning advisor throughout the year.
Economy-wide				
90	Carbon pricing	<ul style="list-style-type: none"> B.C.'s carbon tax puts a price on carbon pollution, providing a signal across the economy to reduce emissions while encouraging sustainable economic activity and investment in low-carbon innovation. The carbon tax applies to the purchase and use of fossil fuels and covers approximately 70% of provincial GHG emissions. 	<ul style="list-style-type: none"> Budget 2022 announced review of the carbon tax to ensure it continues to drive emissions reductions while protecting affordability and economic competitiveness. B.C. also committed to laying out a plan to continue to meet or exceed the federal benchmark in line with the increasing federal price requirements. 	<ul style="list-style-type: none"> Budget 2023 implements the carbon tax review results through changes to annual carbon tax rates, addressing how large industry participates in the tax model, and increasing support for British Columbians to ensure affordability. Aligning with federal carbon pricing requirements, starting April 1, 2023, carbon tax rates will increase annually by \$15 per tonne from prior rate of \$50 per tonne, until \$170 per tonne in 2030. Large emitters (such as pulp and paper mills, oil and gas operations, and large mines) will transition to a new made-in-B.C. output-based pricing system (B.C. OBPS), taking effect by April 1, 2024. Further policy development and engagement in 2023 to finalize B.C. OBPS.

Mitigation Table

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
91	Climate-related tax initiatives	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Enhancing the Climate Action Tax Credit to help offset rising costs for the people most affected by an increasing carbon price. By 2030, it is expected a significant majority of British Columbians will receive more through the enhanced credit than they pay in carbon tax costs. 	<ul style="list-style-type: none"> To protect affordability, effective July 1, 2023, the maximum annual climate action tax credit will increase from \$193.50 to \$447 for an adult, from \$193.50 to \$223.50 for a spouse or common-law partner, and from \$56.50 to \$111.50 per child. Compared to the previous benefit year base amount, families with children and with income less than \$60,000 and individuals with income less than \$43,000 will receive more through the climate action tax credit than carbon tax paid on average. As carbon tax rates increase, B.C. will increase the amounts paid to adults and children and raise the threshold for eligibility, with the intent of providing a full or partial credit to over 80% of households by 2030.
92	Net-zero by 2050	<ul style="list-style-type: none"> Mandate commitment to legislate a net-zero by 2050 target through amendments to B.C.'s <i>Climate Change Accountability Act</i>. 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Engagement is underway with Indigenous communities, local governments, industry, businesses and other parties prior to legislating the target.

Climate Preparedness and Adaptation Table

#	Climate Action	Details	Progress Measures/Results (FY 2022/23 ⁴)	Action in FY 2023/24 ⁵ (Underway or Planned)
Pathway 1: Strengthen Foundations – Partnerships, Knowledge and Decision-Making				
Collaboration with Indigenous Peoples				
1	Climate change resilience partnerships	<ul style="list-style-type: none"> Work with Indigenous Nations and organizations to collaboratively integrate Indigenous knowledge and perspectives on climate change, climate risks and adaptive measures, into our work together. This work includes aligning climate risk assessments with commitments made through the <i>Declaration on the Rights of Indigenous Peoples Act</i>. 	<ul style="list-style-type: none"> In collaboration with the BC First Nations Leadership Council Technical Working Group on Climate Change (BC-FNLCC TWG) and the Indigenous Climate Adaptation Working Group (ICAWG), developed draft measures/indicators to measure progress on the implementation of the Declaration Act Action Plan – Action 2.12. The draft measures appear in the Declaration Act Annual Report for 2022. Working with ICAWG to explore establishing a sub-committee and inform an engagement plan with Indigenous partners, and with BC-FNLCC TWG to inform the co-development plan for the Disaster and Climate Risk and Resilience Assessment (DCRRA) with First Nations. These initiatives aim to uphold and integrate Indigenous knowledge and perspectives of climate change into the framework for the upcoming DCRRA. 	<ul style="list-style-type: none"> Continue to work with ICAWG and BC-FNLCC TWG on the approach for upholding and integrating Indigenous knowledge and perspectives of climate change into the development of: <ul style="list-style-type: none"> the provincial DCRRA and the subsequent regional assessments the province-wide disaster and climate risk reduction plan.
2	Framework for respecting Indigenous Knowledge	<ul style="list-style-type: none"> A framework for integrating Indigenous knowledge into climate adaptation and mitigation initiatives, including decision-making, operations, policy and research. A set of recommendations on how to transform what has been heard during recent government engagements with Indigenous peoples into government actions with a focus on climate change mitigation and adaptation. 	<ul style="list-style-type: none"> Reviewing and updating the Indigenous Knowledge Report. 	<ul style="list-style-type: none"> Ongoing work on the Indigenous Knowledge Report.
3	Indigenous climate engagement	<ul style="list-style-type: none"> Take a more coordinated, long-term and strategic approach to the Province’s engagement with First Nations, communities and organizations in relation to the Climate Preparedness and Adaptation Strategy (CPAS) and the Roadmap to 2030. This will include stable three-year funding for the BC-FNLCC TWG and the ICAWG, and work to enhance engagement with youth, Elders and off-reserve Indigenous Peoples. 	<ul style="list-style-type: none"> The Province, through the BC-FNLCC TWG, is working to identify areas of alignment and potential cooperation between the BC First Nations Climate Strategy and Action Plan, CleanBC and the Climate Preparedness and Adaptation Strategy. Hosted the annual Indigenous Climate Resilience Forum in March 2023, an online multi-day event featuring community stories, breakout sessions and skill-building workshops. BC-FNLCC TWG presented its BC First Nations Climate Strategy and Action Plan, and the event was attended by 235 participants. 	<ul style="list-style-type: none"> The Province provided funding to the First Nations Leadership Council to support an Indigenous Climate Needs/Capacity Assessment to be completed in 2023/24.

⁴ Fiscal year from April 1, 2022 to March 31, 2023

⁵ Fiscal year from April 1, 2023 to March 31, 2024

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
4	Indigenous Climate Resilience Capacity-Building Pilot Project	<ul style="list-style-type: none"> Identify priorities to increase Indigenous climate resilience, including regional Indigenous supports for communities and organizations, mentorship, knowledge products, adaptation training and a learning network. The Province is helping to address this need by resourcing a one-year pilot project to support Indigenous climate resilience capacity and skill-building needs. 	<ul style="list-style-type: none"> The BC Climate Preparedness and Adaptation Strategy provided funds for a one-year pilot program to support Indigenous climate resilience capacity and skill-building needs. The Pilot project is developed in collaboration with the BC First Nations Leadership Council Technical Working Group on Climate Change and the Indigenous Climate Adaptation Working Group. 	<ul style="list-style-type: none"> The Pilot project is being delivered by two First Nations organizations with experience delivering climate resilience programs: the Coastal First Nations-Great Bear Initiative (CFN-GBI) and First Nations Emergency Services Society, building off their Climate Action Coordinator Network and Emergency Program Coordinator Network, respectively. The Pilot project will consist of staffing regional climate resilience coordinators, developing education and training, and a peer mentorship network.
5	Indigenous Food Security and Sovereignty Grant	<ul style="list-style-type: none"> Funding for First Nations and Indigenous communities, businesses, and organizations to increase food security and sovereignty over their food systems. 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Funding will be delivered via the indigenous-led New Relationship Trust with application-based programming targeted to start in summer 2023.
Climate Data Monitoring and Forecasting				
6	Agricultural Weather Monitoring Network	<ul style="list-style-type: none"> Enhance the provincial agricultural weather monitoring network to assist producers with on-farm decision-making in light of increases in weather variability. 	<ul style="list-style-type: none"> Completed a roadmap with recommendations for improving weather monitoring services to agricultural producers. Started to implement one recommendation of app development of the agricultural irrigation scheduling calculator. 	<ul style="list-style-type: none"> Engaging with Natural Resource Information and Digital Services (NRIDS) to support development of a provincial web portal.
7	ClimatEx Project	<ul style="list-style-type: none"> Form partnerships to develop a modernized suite of tools for accessing high-resolution downscaled climate change projections. The focus is on providing previously unavailable data on weather extremes, ecological drought, fire weather, and many biologically relevant climate indices. 	<ul style="list-style-type: none"> Ongoing partnership with University of British Columbia (UBC), University of Victoria (UVic), Pacific Climate Impacts Consortium (PCIC) and Environment and Climate Change Canada (ECCC). Established research partnerships on Weather Research and Forecasting (WRF) Model simulations of BC's historical and future climates (UBC), deep learning techniques for downscaling climate extremes and new climate variables (UVic and ECCC), documenting the methods and evaluation of the mosaic of PRISM climatologies (PCIC). Refined the development of a computational tool and web app, ClimR, to provide efficient and user-friendly access to climate data. 	<ul style="list-style-type: none"> Established a two-year agreement with UBC's Weather Forecast Research Team to scale up WRF Model simulations of British Columbia. Simulations of the year 2021 are complete and 20 years of simulations are planned for end of year. The ClimR climate downscaling tool was prototyped at North America scale and is undergoing user testing. Next steps are to publish this tool and deploy a web-based graphical user interface. Good progress in ECCC-UVic partnership towards operational AI climate downscaling. PCIC will deliver the PRISM mosaic for western North America by January 2024. Developing apps for visualizing historical and forecasted climate change (cmip6-BC and bc_climate_anomaly).
8	Coastal climate impacts assessment	<ul style="list-style-type: none"> Establish a state of knowledge on climate change impacts and projected climate conditions in the marine and coastal environments of the South Coast of B.C. 	<ul style="list-style-type: none"> Report completed in May 2022. 	<ul style="list-style-type: none"> N/A

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
9	Cross-sector climate services	<ul style="list-style-type: none"> Expand necessary climate modelling and professional education services through supports to the Pacific Climate Impacts Consortium (PCIC). Investment over three years to expand PCIC's ability to meet the growing needs of Indigenous Nations and organizations, local governments, academia, businesses and industry to understand their climate risks and inform adaptation planning and actions. 	<ul style="list-style-type: none"> The PCIC User Needs Assessment and PCIC User Needs & Service Plan was submitted in March 2023, guiding future user engagement and training. Expansion of PCIC services plan will support local and regional governments, First Nations, business and industry, community and non-profit organizations through: <ul style="list-style-type: none"> providing regional climate projections to inform risk, supporting adaptation planning processes, identifying adaptation measures for buildings and infrastructure, service deliver, community health and wellbeing, delivering outreach and education to new users of PCIC tools, and building sustained relationships with First Nations and Indigenous communities and community partners. 	<ul style="list-style-type: none"> Proposed work plan includes two projects: <ul style="list-style-type: none"> building capacity to deliver services to Indigenous audiences, and expanding PCIC services to meet the growing demand. Additionally, PCIC will deliver enhancements to: downscaled climate models and tools, publish several climate research and analysis papers, enhance computational supports, release new database products, develop guidance materials on the use and interpretation of climate data, enhance the PCIC website, and coordinate with other regional and national climate service providers to streamline services and meet the needs of diverse users.
10	Forecasting and real-time information on flood and drought	<ul style="list-style-type: none"> Expand the operational capacity of the River Forecast Centre (RFC), and improve operational flood and drought forecasting capabilities to meet increasing demands for real-time risk information to communities and the public due to longer and more intense drought and flood seasons. Continue coastal flood and storm surge forecasting through StormSurgeBC to provide accurate and timely risk information to coastal communities and emergency management teams. Strengthen drought response through more coordinated provincial and regional approaches. 	<ul style="list-style-type: none"> Increasing the capacity to model, forecast and communicate flood and drought hazards. Initiated a new twice weekly "7-Day Flood Outlook" product to communicate flood hazards to internal and external partners. Partnered with researchers at University of Northern BC to develop tools to analyze the onset of snowmelt, contributing to improved hydrometric modeling and freshet flood hazard forecasting. Funded StormSurgeBC to provide ongoing storm surge forecasting to inform coastal communities of upcoming risks on a 3- to 7-day timescale. As a result, coastal communities are aware of storm surge risks and can better respond to coastal flood events. 	<ul style="list-style-type: none"> Continue to develop new forecasting tools and updated modeling. Enhance tools for real-time visualization of data and forecasts, review data architecture and processes, and expand tools for RFC hydrologists to assess model and forecast performance in real time. Improve coordination of provincial and regional approaches. Expand the River Forecast Centre's "7-Day Flood Outlook" product to provide a weekly streamflow conditions update through the summer/fall drought period. Continue funding for StormSurgeBC.
11	Hydroclimatological Program expansion	<ul style="list-style-type: none"> Coordinate and expand hydroclimatological data collection and monitoring networks into underrepresented areas of the province which will better inform our understanding of issues such as short- and long-term water shortage; changes in precipitation, water availability and water quality; and flood risk. This will provide essential data to support emergency management decisions; land, water and resource management; manage climate-related hazards and inform infrastructure design across B.C. 	<ul style="list-style-type: none"> New Snow, Climate, Water Quality and Hydrometric staff hired and trained. Groundwater, climate, hydrometric and snow equipment were purchased for deployment in 2023. 	<ul style="list-style-type: none"> Two new Automated Snow Weather Stations have been established in northwest and central B.C., with another two planned for installation. Three climate stations have been upgraded to collect improved precipitation and snow data with at least another station planned to be upgraded later this year. Three long-term water quality stations and three long-term lake monitoring stations are planned to be established. Five hydrometric stations are planned for this year.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Understanding Climate Risks				
12	Data strategy	<ul style="list-style-type: none"> Undertaking an assessment of data resources, use, and needs to support adaptation decision making and planning. This work will assess corporate data and analysis needs and capacity in a coordinated cross-government manner, and will begin scoping for strategic efforts to improve the creation, management, and sharing climate data. This will help ensure organizations' sharing of climate data and data-driven insights they need to prepare for, mitigate, and adapt to the impact of climate-related risks. 	<ul style="list-style-type: none"> Phase 1 of this work took place from December 2022 to March 2023 and focused on understanding the needs and experience of those who use data or could use data to make climate-related decisions. Research was conducted within the BC Government and with external partners to uncover challenges, identify opportunities, and propose recommendations for how to proceed in developing a data strategy rooted in evidence. 	<ul style="list-style-type: none"> Phase 2 will continue the prioritization work started in Phase 1 and will explore opportunities to further coordinate on adaptation data across government.
13	Disaster and climate risk and resilience assessment	<ul style="list-style-type: none"> Prepare for the next determination of climate change risks in B.C., as required under the <i>Climate Change Accountability Act</i>. Mandate to conduct a provincial Disaster and Climate Risk and Resilience Assessment in consultation with communities and Indigenous Peoples that advance B.C.'s commitments to the Sendai Framework, builds on B.C.'s Preliminary Strategic Climate Risk Assessment and integrates climate and disaster risk. 	<ul style="list-style-type: none"> Completed preliminary work including development of a proposed framework for assessing disaster and climate risk and resilience. 	<ul style="list-style-type: none"> Procurement of services for the development and delivery of the risk and resilience assessment. A provincial-scale assessment will be finalized by June 2024, followed by regional-scale assessments by 2026. Co-develop the assessment with First Nations. Engagement with Indigenous partners, local governments, public sector organizations, academia, and other partners.
Education on Climate Impacts and Adaptation				
14	Adaptation skills for professionals	<ul style="list-style-type: none"> Help professionals to effectively integrate climate change adaptation into their work through CanAdapt and other training, resources, and networking. 	<ul style="list-style-type: none"> Provide funding over two years to the Climate Risk Institute to develop and deliver training resources for professionals on assessing and mitigating climate change and disaster risks. Capacity building is targeted to local governments, communities, professionals, and critical infrastructure owners who will be required under the new emergency management legislation to conduct risk assessments and develop mitigation plans that include consideration of climate change. 	<ul style="list-style-type: none"> Upon completion of a discovery process and needs assessment, development of training or capacity building materials will culminate in a revised climate action competency framework with the design and publication of an interactive web-based version.
15	BC Parks Living Labs	<ul style="list-style-type: none"> Encourage climate change research in protected areas, which documents changes in B.C.'s natural world and guides protected area management for an uncertain future. 	<ul style="list-style-type: none"> BC Parks' Living Lab for Climate Change and Conservation program provides funds annually to BC academic institutions to conduct research about climate change in protected areas. 	<ul style="list-style-type: none"> The program continues through funded projects.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
16	Climate awareness for educators, students, and communities	<ul style="list-style-type: none"> Launch a public awareness and education campaign on the climate risks identified in the Preliminary Strategic Climate Risk Assessment for B.C. and ways to reduce risk exposure. Work to enhance climate change preparedness and adaptation education in grades K-12. Enhancements will reflect the B.C. context and include Indigenous ways of knowing. 	<ul style="list-style-type: none"> Survey launched and circulated at the beginning of 2023. 	<ul style="list-style-type: none"> N/A
Climate Change Governance and Decision-making				
17	Climate Adaptation Policy Framework (CAPF)	<ul style="list-style-type: none"> Develop a CAPF to underpin and align climate change adaptation considerations in policies, priorities, strategic and operational decision-making across the full spectrum of the Ministry of Forests mandate. This Framework will also include improved guidance, education, and resources for decision-makers to integrate climate change into updates of legislation, policy, and practice. 	<ul style="list-style-type: none"> Completed a Jurisdictional Scan and associated report of climate change language across natural resource legislation. Development of a Climate Insights Course to extend climate knowledge and education internally and externally to government, with a target launch date of January 2024. Phase 1 of the development of the Climate Adaptation Policy Framework is underway. Anticipated deliverables include extensive engagement and an Intentions Paper. 	<ul style="list-style-type: none"> Phase 2 of development of the CAPF is planned, which will include public engagement, a communications plan, and a CAPF Implementation Plan.
18	Climate change governance and decision-making	<ul style="list-style-type: none"> Work across government to build climate adaptation capacity and expertise and integrate climate change into the day-to-day business of ministries. Develop a governance structure to support further development and implementation of CPAS across government. 	<ul style="list-style-type: none"> CPAS inter-agency working group (IAWG) meeting every 2 weeks to share knowledge on adaptation initiatives and actions across ministries. Working across ministries to coordinate adaptation knowledge-building approaches and offerings for the BC Public Service. 	<ul style="list-style-type: none"> Assessing the potential for a more comprehensive adaptation knowledge-building approach for the BC Public Service. Developing and testing a model to measure adaptation readiness/maturity for Ministries and Public Sector Organizations (PSOs).
19	Climate Ready Public Sector Project (Public Sector Organization Growth Model)	<ul style="list-style-type: none"> Development of a digital service platform to enhance the ability of Ministries and PSOs to understand their climate risks and build capacity to effectively respond to climate change impacts. The platform will provide a centralized hub of resources and information to support adaptation planning efforts and facilitate the tracking and reporting of annual climate adaptation information from Ministries and PSOs. The project will be piloted with a selected group of Ministries and PSOs, starting with the Climate Readiness Tool, a self-assessment tool for monitoring and reporting on progress in building organizational capacity for climate preparedness and adaptation. 	<ul style="list-style-type: none"> Growth Model framework revised to reflect engagement feedback. Final report on Growth Model framework received, including recommendations and next steps to advance use of the model. 	<ul style="list-style-type: none"> Pilot of Climate Readiness Tool planned for fall 2023, including analysis and report of use and feedback. Assessing potential expansion of Climate Readiness Tool across all ministries and PSOs, and possibly to local governments. Further development of digital service platform for data collection and adaptation resources to facilitate knowledge growth.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Pathway 2: Safe and Healthy Communities				
Community Adaptation Planning and Implementation				
20	B.C. Resilient Communities Hub	<ul style="list-style-type: none"> Create a web platform that aims to support communities across B.C. in understanding and managing disaster and climate risks. 	<ul style="list-style-type: none"> With support from GeoBC, launched ClimateReadyBC in February 2023. ClimateReadyBC is a one-stop, online platform to guide First Nations, local governments, private and public sector organizations, and the wider public on disaster and climate risk strategies and supports. 	<ul style="list-style-type: none"> Lead engagement on Phase 2 of ClimateReadyBC. Updates to ClimateReadyBC in 2023/24 and 2024/25 will align with the development of the Provincial Disaster and Climate Risk and Resilience Assessment.
21	Community Emergency Preparedness Fund	<ul style="list-style-type: none"> Since 2017, the Province has provided funding to the Community Emergency Preparedness Fund (CEPF), a suite of funding streams intended to support First Nations and local governments to better prepare for disasters and reduce risks from natural hazards in a changing climate. The CEPF is administered by the Union of BC Municipalities (UBCM). 	<ul style="list-style-type: none"> New Agreement with UBCM for additional financial support approved and additional funds delivered. Intake 1 of Disaster Risk Reduction-Climate Adaptation (DRR-CA) announced with 49 applications. Funding announced for 36 projects in the Extreme Heat Risk Mapping, Assessment, and Planning sub-stream in 2022/23. 	<ul style="list-style-type: none"> Additional funding announced of nine applications through Intake 1 of DRR-CA. Additional funding announced in Intake 2 of DRR-CA for 69 applicants. Two more intakes are scheduled for 2023/24. Announced intake for the Extreme Temperature Risk Mapping, Assessment and Planning sub-stream.
22	Infrastructure Planning for Climate Resilience Program (IPCRP) design	<ul style="list-style-type: none"> Provide subject-matter guidance related to infrastructure resilience planning Support the design of a potential IPCRP for local governments and First Nations. 	<ul style="list-style-type: none"> Work conducted on deliverable with consultant, including subject-matter guidance and stakeholder consultations. 	<ul style="list-style-type: none"> Completion of deliverable by consultant on subject-matter guidance related to infrastructure resilience planning, which supports the design of a potential IPCRP. No funding to date for program implementation.
23	Realizing Resilient Buildings in BC Study	<ul style="list-style-type: none"> The purpose of this project is to identify barriers and enablers to implement resilience measures for climate-related hazards and earthquakes as well as to implement low carbon resilient buildings in the B.C. context. The key project deliverables include recommendations to overcome the key barriers to realizing more resilient buildings, a summary of the unique barriers faced by Indigenous Peoples and communities across B.C., and a toolkit for B.C. local governments to support increased uptake of resilience measures. This project also considers and highlights the opportunities for synergies with achieving carbon neutral buildings. 	<ul style="list-style-type: none"> Project is split into four phases, with each phase producing a summary report in addition to the final toolkit deliverable: <ul style="list-style-type: none"> Phase 1 included a literature review and jurisdictional scan to identify barriers across the four themes (technical, skills and capacity; political and regulatory; economic and financial; social and informational) and initial enablers. Phase 2 explored the barriers and enablers in the context of First Nations communities in B.C. Phase 3 involved further analysis of B.C. specific barriers and enablers that informed the development of recommendations for improving the resilience of buildings in B.C. The final phase will result in a toolkit targeted for local governments, which outlines the tools and approaches currently available to facilitate the transition to more resilient buildings. The project will be completed in 2023. 	<ul style="list-style-type: none"> The final report and a toolkit will be completed by December 2023. The report summarizes analysis of B.C. specific barriers and enablers and recommendations for improving the resilience of buildings in B.C. The toolkit is designed to provide B.C. local governments with an introduction to strategies and tools that can be used to support more climate- and seismic-resilient buildings in B.C. communities.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Indigenous-led Climate Adaptation Knowledge and Capacity Building				
24	Climate research and data portal for First Nations	<ul style="list-style-type: none"> Support the First Nations' Emergency Services Society (FNESS) in developing and integrating data into their Lightship data portal. This portal is currently used by a large portion of their members for planning, preparedness, mitigation, response, and recovery activities. This project aims to provide better access to reliable data as well as a consolidated set of success stories and wise practices for use of data in First Nations communities. 	<ul style="list-style-type: none"> The ClimateReadyBC platform will integrate with work being undertaken by First Nations Emergency Services Society (FNESS) on their climate and hazard data portal, Lightship, and will continue to evolve through engagements with First Nations, local governments, and other partners. ClimateReadyBC will allow for learning more lessons from past emergencies, building awareness about disaster and climate risks, and enhancing capacity to better prepare our communities to mitigate the risk of future disasters. 	<ul style="list-style-type: none"> FNESS continues work on their Lightship platform and is training First Nations staff on the use of the tool.
Wildfire Prevention and Mitigation				
25	Wildfire risk reduction and cultural and prescribed burning	<ul style="list-style-type: none"> Expand the use of cultural and prescribed fire in partnership with First Nations and the forest industry, ranching community, wildlife stakeholders and other partners. This is a core part of the shift to a year-round model focused on risk reduction. These projects are eligible for funding under the Community Resiliency Investment, Land Wildfire Risk Reduction and FireSmart Community Funding Support programs. 	<ul style="list-style-type: none"> Participated in provincial and regional forums at the invitation of the First Nations Forestry Council, and initiated engagement on initial policy proposals to remove some barriers to revitalizing Indigenous cultural burning. Expanded funding for cultural and prescribed fire initiatives through the Community Resiliency Investment Program. Expanded on-the-ground partnerships with First Nations, local governments, community forests and other partners across the province. Collaborated with FireSmart BC to develop public education platforms (including prescribedfire.ca) to expand public awareness of the benefits of safe, planned fire for ecosystem health and community resilience. 	<ul style="list-style-type: none"> Work with First Nations and Indigenous partner organizations, including the First Nations Emergency Services Society and First Nations Forestry Council, to explore collaborative governance approaches. Continue to expand operational delivery of partnership-based burn projects, targeting 65 burns in 2023. Work with Indigenous communities and other partners to identify key knowledge gaps and develop a research and Indigenous knowledge strategy. Initiate development of a training and capacity development strategy.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Enhanced Flood Management				
26	B.C. Flood Strategy and Resilience Plan	<ul style="list-style-type: none"> Define a coherent, strategic vision for flood management in the province, outlining what needs to be achieved and how to achieve it. This strategy will build on what the provincial government has already heard at multiple engagement events and set the foundation for B.C. flood resilience planning to be implemented. It will also include strengthening drought response through more coordinated provincial and regional approaches. 	<ul style="list-style-type: none"> The B.C. Flood Strategy (BCFS) Intentions Paper was released October 2022, with updates to reflect the atmospheric river events of 2021. Engagement on the BCFS Intentions Paper included 11 engagement sessions, an online survey and email submissions through EngageBC. Engagement results include two 'What we Heard' reports and a survey summary report. From February to April 2023, the Province partnered with eight First Nations from the major watersheds of B.C. to draft the Strategy, followed by two engagements with all 204 First Nations. Completed updates to the provincial guidance for design and management of flood protection infrastructure. Completed an Equity, Diversity and Inclusion framework for a provincial flood risk assessment, in alignment with broader work toward methodology for the Provincial Disaster and Climate Risk and Resilience Assessment. 	<ul style="list-style-type: none"> Engagement on the draft BCFS continues with additional sessions with First Nations, as well as with Modern Treaty Nations, Federal Agencies and targeted stakeholder groups. Ongoing alignment and engagement with related strategies (Watershed Security Strategy and Coastal Marine Strategy) and the modernization of emergency management legislation. Following approval of the Strategy, the development of a B.C. Flood Resilience (Implementation) Plan will commence, guiding the timing of commitments, clarifying roles and responsibilities, identifying location of projects and investments, specifying funding, and outlining performance indicators and metrics. Several projects are also underway to provide the foundation for priority actions explored with the B.C. Flood Strategy. These include development of nature-based flood infrastructure guidelines for B.C. and work toward a provincial flood risk assessment in alignment with the Provincial Disaster and Climate Risk and Resilience Assessment.
27	Floodplain mapping	<ul style="list-style-type: none"> Develop floodplain mapping standards for B.C. and compile existing floodplain mapping from communities across B.C. to provide critical planning and response information for high-risk areas. This information will be made accessible and available for British Columbians. 	<ul style="list-style-type: none"> Developing floodplain mapping standards for B.C. and compiling existing floodplain mapping from communities. Leveraged federal funding under the Floodplain Hazard Identification and Mapping Program (FHIMP). Provincial and federal funds were provided through a Shared Cost Agreement with Fraser Basin Council to fund several mapping projects across B.C. 	<ul style="list-style-type: none"> Seven flood hazard mapping studies are in progress, providing regionally-coordinated regulatory quality flood hazard mapping for communities. 65 communities participating in regulatory quality flood hazard mapping. Three broader flood hazard mapping scoping studies have been initiated to further refine the gaps for flood mapping in B.C. and provide high-level cost estimates for the work, with 387 communities invited to participate. GeoBC is producing a B.C. Flood portal that provides a public map-based platform for accessing any Provincially funded flood hazard maps. The first version of the portal has been completed, and an updated version is in progress.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Health and Wellness				
28	BC Health Effects of Anomalous Temperatures (BC HEAT) Coordinating Committee	<ul style="list-style-type: none"> Established a committee to ensure scientific and evidence-based public health coordination around extreme hot weather events in the province. 	<ul style="list-style-type: none"> The BC HEAT Coordinating Committee conducted a series of engagement and after-action review activities to identify and integrate lessons learned from the 2022 heat season into processes and plans for the committee and partner agencies. The committee has also created and supported the development of public communications, education products and materials on heat preparedness and awareness. 	<ul style="list-style-type: none"> Updated messaging and support materials have been made available for ministries, non-governmental organizations (NGOs), Indigenous governance organizations, and local authorities.
29	BC Heat Alert and Response System (BC HARS)	<ul style="list-style-type: none"> Develop a Heat Alert and Response system for B.C. 	<ul style="list-style-type: none"> A series of action reviews and engagement sessions were conducted following summer 2022 in order to inform updates to the BC HARS in 2023. 	<ul style="list-style-type: none"> Following summer 2023, a series of facilitated feedback session will be held with local authorities, First Nations, NGOs, and vulnerable population groups to gain further insight into how the BC HARS could be improved.
30	Cross-government food security policy coordination	<ul style="list-style-type: none"> The Food Security Steering Committee is coordinating food-security issues and relevant initiatives across B.C. ministries, including mandate commitments such as the Emergency Preparedness and Food Security Strategy and the Poverty Reduction Strategy. 	<ul style="list-style-type: none"> Conducted external stakeholder engagement and released "BC Food Security External Engagement: What We Heard and Considerations for Action" report in September 2022. Indigenous engagement began in 2022 and the resulting "What We Heard" report is under development. 	<ul style="list-style-type: none"> Developing a food security framework informed by input from 14 government ministries. Current progress on initiatives within the framework includes engagement and data assessments for the Emergency Preparedness for Food Security Strategy and development of the Poverty Reduction Strategy.
31	Engagements on climate equity and extreme heat	<ul style="list-style-type: none"> Better inform Provincial heat response planning by understanding the unique barriers, challenges, strengths and circumstances that equity-denied populations experienced during the 2021 heat dome. Engage with those disproportionately impacted, such as seniors, people with disabilities, and people experiencing homelessness/housing insecurity. 	<ul style="list-style-type: none"> This project supported government in better understanding the unique barriers, challenges, strengths and circumstances that equity-denied populations experienced during the 2021 heat dome. A series of engagements were held with people who are disproportionately impacted by heat, including seniors, people with disabilities, and people experiencing homelessness/housing insecurity. Learnings from these engagements were published in a public report. 	<ul style="list-style-type: none"> Learnings from this project are being used to inform subsequent initiatives, such as the Disaster and Climate Risk and Resilience Assessment (DCRRA) currently underway
32	Extreme heat preparedness	<ul style="list-style-type: none"> Better prepare the province, communities, and B.C. residents for extreme heat/extreme temperature events. This includes a clear response framework, enhanced protection for equity-denied and at-risk populations and awareness of wise practices among all partners. 	<ul style="list-style-type: none"> Engagement with various parties on Extreme Heat Risk Portal. Engagement with Ministry of Health on public engagement activities planned for Extreme Heat Risk. Developed conceptual design collaboratively with Capital Regional District. Engagement with health authorities on integration of vulnerability data. Development and launch of Cooling Center Portal integration of data into EmergencyInfoBC Map. 	<ul style="list-style-type: none"> Support development of Best Practices for Extreme Heat Risk Mapping being led by Fraser Basin Council. Bring communities and health authorities together to share experiences mapping extreme heat.

Climate Preparedness and Adaptation Table

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
33	Food security	<ul style="list-style-type: none"> Increase the Province's understanding of food security and Indigenous food sovereignty in the context of a changing climate. 	<ul style="list-style-type: none"> Launched a new BC Centre for Agritech Innovation with partner agencies. The Centre will help companies develop new agritech technology to strengthen B.C.'s food security, and it also positions B.C. as a world leader in agricultural technology. 	<ul style="list-style-type: none"> The new Centre for Agritech Innovation brings together academia, government, farmers and agritech industry partners to develop new agritech technology.
34	Food security emergency planning and preparedness	<ul style="list-style-type: none"> Provides funding for agricultural producers, industry associations and Indigenous communities to develop disaster plans, mitigation strategies and projects with a unique focus on food security and agricultural resiliency. 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Program launched in September 2023.
35	Low-carbon climate-resilient health system	<ul style="list-style-type: none"> In collaboration with health authorities, the Province is establishing a new Climate Resilience Program to promote climate leadership capacity and initiate the shift towards a low-carbon, climate resilient health system in the health system. 	<ul style="list-style-type: none"> The Ministry of Health has established five shared goals to support CPAS implementation and work planning across all five regional and two provincial health authorities. Developing supporting governance structures to enhance interagency collaboration and coordination and defining regional and provincial roles and responsibilities within the health system. Delivered several training and capacity building opportunities for health system staff, including workshops and knowledge exchange forum on health system climate resilience, climate and health disaster risk reduction, and climate change and health vulnerability and adaptation assessments. In collaboration with Health Canada and Environmental and Climate Change Canada, initiated the project 'Climate Change and Health in BC: From Risk to Resilience' to improve understanding of climate change impacts on health and the health system in B.C., and to build health sector capacity to anticipate, prepare for, and respond to climate change. 	<ul style="list-style-type: none"> Build on established climate and health governance structures and develop accountability pathways to effectively monitor and report on progress across the health system. Develop provincially coordinated health workforce training and capacity building on climate preparedness and adaptation. Health authorities will initiate vulnerability and adaptation assessments to understand climate risks to health and the health system in their region and opportunities to prepare and adapt. Develop public communications, education and awareness products and activities on climate and health with regional and provincial health authorities. Develop tools and guidance to support the inclusion of climate in health policy and health in climate policy across the province. Complete the Risk to Resilience project, including release of a public report and knowledge translation products on the health impacts of climate change in B.C.
36	Strengthening Public Health in B.C. Initiative	<ul style="list-style-type: none"> Renew the Province's Guiding Framework for Population and Public Health with inclusion of climate change impacts and response activities as part of the Public Health in B.C. Initiative. 	<ul style="list-style-type: none"> Climate change and environmental health are embedded in the Guiding Framework as a population health priority. 	<ul style="list-style-type: none"> Engage with partners across the population and public health sector to develop a three-year action plan with concrete action items that will enable us to deliver on the priorities.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Pathway 3: Resilient Species and Ecosystems				
Healthy Waters				
37	Climate-ready contaminated sites	<ul style="list-style-type: none"> Identify and review potential actions to incorporate climate adaptation and sustainability in B.C.'s contaminated sites framework. 	<ul style="list-style-type: none"> Completed public and Indigenous engagement on a Discussion Paper. Created an Indigenous Advisory Group to continue engagement with Indigenous Peoples through the policy development process. The group consists of delegates from 18 First Nations and Indigenous organizations. 	<ul style="list-style-type: none"> Public and Indigenous engagement on an intentions paper is planned for fall 2023. Approval of a Request for Decision is anticipated in winter 2024.
38	Healthy watersheds	<ul style="list-style-type: none"> Support watershed security by distributing funding through grants to organizations with a proven track record in delivering watershed security projects. 	<ul style="list-style-type: none"> Funding recipients carried out work under their grant agreements. 	<ul style="list-style-type: none"> The Healthy Watersheds Initiative, previously funded under StrongerBC, concluded its work in April 2023.
39	Protecting our coasts	<ul style="list-style-type: none"> Co-develop a Coastal Marine Strategy with coastal First Nations to: <ul style="list-style-type: none"> – Improve stewardship of coastal marine environments. – Advance reconciliation with First Nations. – Foster community resilience in the face of increasing pressures. – Set a clear direction for management of marine and coastal areas and values. – Provide a well-defined roadmap into the future. 	<ul style="list-style-type: none"> Intentions Paper co-drafted with coastal First Nations, signaling the direction of policy. Intentions Paper released for public comment. 	<ul style="list-style-type: none"> Goals and actions will be drafted, informed by Intentions Paper, the results of engagement, existing plans on policies, and other relevant documents. Final Coastal Marine Strategy to be released in 2024.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
40	Responding to ocean acidification and hypoxia (OAH)	<ul style="list-style-type: none"> Develop B.C.'s Fisheries and Aquaculture OAH Action Plan to: <ul style="list-style-type: none"> Assess the state of knowledge related to OAH in the coastal waters of B.C. Set long-term goals for addressing knowledge gaps. Develop adaptation and mitigation strategies to support the fisheries and aquaculture sectors, including food-fish harvesters. 	<ul style="list-style-type: none"> The OAH Action Plan and accompanying Scientific Assessment were completed in March 2023 and made available to the public in May 2023. Partnered with the Hakai Institute to evaluate the role of Canadian kelp production as an atmospheric CO₂ mitigation strategy and to expand oceanographic measurements of CO₂ in BC Coastal Waters in partnership with the marine shipping sector. Supported the BC Seafood Alliance to review and develop a Carbon Footprint Methodology Review for BC's commercial fisheries sector. Supported Vancouver Island University for Phase II of the Scallop Productivity Adaptation Research for Climate Change (SPARCC). Continue to support the Fisheries and Aquaculture Clean Technology Adoption Program (FACTAP) projects for the aquaculture, commercial fishing and seafood processing sectors. Nine projects were approved and funded that support mitigation measures including improved fishing efficiency, use of solar power, more efficient refrigeration systems and marine kelp processing. 	<ul style="list-style-type: none"> The Climate Ready Seafood Program launched in May 2023 and is being delivered by the Ocean Decade Collaborative Centre at Tula Foundation. Eligible applicants will include Indigenous organizations, research institutions, industry associations, aquaculture producers, commercial fishing industry and non-governmental organizations. FACTAP projects are expected to be underway in the fall. In collaboration with Fisheries and Oceans Canada, project underway to assess land-based/siting capacity/infrastructure for the development of land-based salmon farming, as well as assess the commercial readiness of alternative technology as potential adaptation strategies to produce farmed salmon.
41	Watershed Security Strategy and Fund	<ul style="list-style-type: none"> Develop a Watershed Security Strategy and Watershed Security Fund. Establish a B.C. – First Nations Water Table that will address water issues that are provincial in scope. 	<ul style="list-style-type: none"> Water Table, Intentions Paper and financial investment into a Watershed Security Fund were publicly announced in March 2023. A policy conference on the Intentions Paper was held with key stakeholders in December 2022, Intentions Paper was co-developed with the Water Table. 	<ul style="list-style-type: none"> Public, Indigenous, local government, stakeholder engagement on the Intentions Paper was completed in April 2023. Internal regional workshops were completed in May 2023, and 'What We Heard' reporting is underway. Financial investment in the Watershed Security fund is currently with REFBC, who will be developing a permanent enduring Fund with First Nations. Completion of the Strategy expected late in 2023, with launch of the Strategy anticipated in 2024.
Resilient Species and Ecosystems				
42	Biodiversity research	<ul style="list-style-type: none"> Complete research, planning and modelling projects to: <ul style="list-style-type: none"> Identify opportunities for the conservation and management of vulnerable ecosystems or areas that may act as climate-stable refuges for species and ecosystems in the future. Produce species habitat models to predict how habitats will change through time with climate change. Research fish and environmental flow needs. 	<ul style="list-style-type: none"> Development of a policy intent, followed by legislation, to prioritize ecosystem health and biodiversity across all sectors and ecosystems. Action Plan to implement the 14 recommendations in the Old Growth Strategic Review progressed rapidly following a series of collaboration and engagement sessions. 	<ul style="list-style-type: none"> A draft Biodiversity and Ecosystem Health Framework was collaboratively developed through engagement with First Nations, multi-sectors, local government and environmental organizations. Consultation with First Nations Rights and Title Holders, as well as public engagement, are expected in late fall 2023, with a final Framework being completed in early 2024.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
43	Climate change guidance for land use planning	<ul style="list-style-type: none"> Develop guidance to support B.C. Government and Indigenous planners in addressing climate change at collaborative land use planning tables. This guide will: <ul style="list-style-type: none"> Communicate key climate change context, priorities, and concepts from Western and Indigenous worldviews. Identify a flexible approach to incorporate climate change into the Land Use Planning process, including existing tools and strategies. 	<ul style="list-style-type: none"> The Provincial Stewardship Strategies and Planning (PSSP) Branch produced an initial draft of Considering Climate Change in Modernized Land Use Planning. This guidance is intended to provide land use planning tables with recommendations on how to incorporate climate change considerations into their work. PSSP Branch renewed contracts with external subject matter experts in Climate Informed Conservation Planning (CICP). The CICP experts worked with two land use planning tables to develop climate-related data and models that assist with the development of zones and corresponding management objectives (provincial scale refugia and climate corridors). 	<ul style="list-style-type: none"> Finalizing guidance for Considering Climate Change in Modernized Land Use Planning, with engagement involving a workshop with 25 representatives from Indigenous governments in the December of 2023. Production of data/models at a finer, sub-regional scale to assist with more detailed zone and objective development. Work is also underway to identify a third land use planning project table that is interested in applying CICP to their processes. Develop a 'how to' document for applying CICP to land use planning, using examples from the two project tables that have incorporated the method to date.
44	Future Forests Ecosystem Centre	<ul style="list-style-type: none"> Provide expertise and resources to translate climate change projections into information that is meaningful for business areas or interest groups, and translating expertise into data and tools that can be used directly by planners and practitioners. The Ecosystem Forecast Centre (renamed as the Future Forests Ecosystem Centre) will follow a client service model, collaborating with Natural Resource Sector ministries to incorporate projections for reforestation, forest health, species at risk, old growth, timber supply and wildfire. 	<ul style="list-style-type: none"> Produced Future Forest Ecosystem Centre (FFEC) 2023-2025 Strategic Plan in consultation with the FFEC Implementation Working Group. Funded a number of research projects to forecast climate change impacts to forest ecosystems. Partnership with universities to conduct the research needed for FFEC data, tools and guidance. 	<ul style="list-style-type: none"> Ground truthing (completed) and refinement (underway) of the draft biogeoclimatic classification for the Pacific Northwest USA, for use as climate analogs for future BC climates. Completed Version 1 of the Climate Change Informed Species Selection tool for reforestation. Version 2 is underway. Fieldwork (complete) and research (underway) to assess climate change impacts on yellow cedar and mountain hemlock in collaboration with First Nations. Established a field program to observe performance of tree species outside their historic range, including a citizen science app and protocol for new trials. Multiple projects on insect and pathogen impacts to trees, including research partnerships with UBC and a prototype bark beetle portal. Support the Conservation Data Centre to develop species habitat modeling standards and results. Funding for research on old growth, wildfire refugia, timber supply impacts, forest drought risk assessment, caribou, freshwater fish, and grizzly bear.

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45	Invasive species predictive modelling and management	<ul style="list-style-type: none"> Develop, field-verify and implement predictive modelling for the introduction and expansion of high-risk species. This model will then be incorporated into updated invasive species risk assessments. 	<ul style="list-style-type: none"> This project successfully utilized Climate BC software and a predictive modeling approach to identify potential current and future high risk invasive species range in B.C., establishing baseline data using global data and Climate BC software. The use of a raster-based suitability analysis allowed for the identification of areas with the highest likelihood of occurrence for invasive species. This project is providing the foundation for a tiered approach to better delineate potential ranges of examined invasive species, with the next phase considering habitat level constraints, such as soil type/salinity, forest type, and aquatic versus terrestrial environments. 	<ul style="list-style-type: none"> Building on lessons learned in 2022/23, complete additional modelling of more invasive species and develop the Tier Two modelling refinement to improve analysis results.
46	Natural assets	<ul style="list-style-type: none"> Identify barriers to the use of natural asset infrastructure by local governments and Indigenous communities and suggest some initial strategies to help reduce barriers. 	<ul style="list-style-type: none"> Report was completed on barriers to local governments and Indigenous communities to the use of natural asset infrastructure and strategies to reduce these barriers. 	<ul style="list-style-type: none"> Report published, engagement and webinars are underway with interested parties.
47	Revitalizing wild salmon populations	<ul style="list-style-type: none"> Continue to implement BC's Wild Salmon strategy and deliver the BC Salmon Restoration and Innovation Fund (BCSRIF) in collaboration with federal partners at Fisheries and Oceans Canada (DFO). 	<ul style="list-style-type: none"> To support projects that protect wild salmon and restore salmon habitat, B.C.'s contribution to the BCSRIF was doubled. Integrated wild salmon protection and revitalization in the Watershed Security Strategy and Fund so that a comprehensive approach can be taken to wild salmon protection and revitalization. Through a provincial grant, the Pacific Salmon Foundation (PSF) and First Nations Fisheries Council (FNFC) continued working, in collaboration with First Nations and community partners, on protecting, conserving and restoring the abundance of wild Pacific salmon. Strengthened partnerships through a renewed Memorandum of Understanding with FNFC to provide a broader scope of work that includes salmon, watershed and the coastal marine environment. 	<ul style="list-style-type: none"> Continue to ensure that a "salmon lens" is applied to infrastructure projects such as Highway 8, the Coastal Marine Strategy, and the Watershed Security Strategy and Fund.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
Pathway 4: Climate-Ready Economy and Infrastructure				
Climate-ready Infrastructure and Buildings				
48	Climate resilient resource roads	<ul style="list-style-type: none"> Develop and implement new standards and codes for resource roads that integrate consideration of climate change, which will inform future maintenance and upgrade projects and improve the resilience of B.C.'s resource road network. Conduct provincial geohazards research and assessment, including predicting, mapping and mitigating climate-driven geohazards, such as potentially catastrophic landslides and flooding that can disrupt transportation corridors and communities. 	<ul style="list-style-type: none"> A new hydrology model has been developed for the southern interior of B.C. to assist in the design of bridges and major culverts. This new model effectively integrates climate change predictions to accurately size and design crossings, enabling them to better withstand the effects of climate change. Phase 1 of a research project has been undertaken to investigate increased climate change vulnerability and slope instability hazard due to legacy resource roads. 	<ul style="list-style-type: none"> Further automated enhancements will be completed in the hydrology model to increase its operational effectiveness. The model has been extended for southern B.C. and will possibly be extended to coastal B.C. More detailed and site-specific investigation of increased risk and climate vulnerability due to legacy roads with various degrees of deactivation.
49	Low carbon resilient public sector buildings	<ul style="list-style-type: none"> Develop new climate resilience design standards and guidance to support public sector organizations (PSOs) in preparing for climate risks to public-sector buildings. The standards apply to major new buildings and renewals. The project includes requirements to use future shifted climate data for energy modelling and to undertake a climate risk assessment to support the understanding of risks that could occur at the project site. 	<ul style="list-style-type: none"> Climate Resilience Framework and Standards guidance document completed. Feedback sessions with working group members held to gather technical and policy feedback. 	<ul style="list-style-type: none"> Publish Climate Resilience Framework and Standards guidance document. Develop templates and resources (including web portal access) for PSOs.
50	Low carbon resilient public sector buildings – school districts	<ul style="list-style-type: none"> Work with school district partners to incorporate climate mitigation and adaptation into the design and construction of capital projects. This includes providing a design option for all new school projects that reduce greenhouse gas (GHG) emissions by at least 50% compared to a baseline building, with incremental funding provided by government to cover additional costs. 	<ul style="list-style-type: none"> Investigate how to further incorporate the minimal climate resilient standards and associated guidebook into concept plans/business case development process for capital projects. Education activities on climate adaptation for school districts. Continue to include GHG reduction options in business cases for new school projects with likely funding. 	<ul style="list-style-type: none"> Continue sector education on climate adaptation options. Continue to fund GHG reduction options. Further investigate how to incorporate the minimal climate resilient standards into concept plans and business case development processes for capital projects. Future business cases will include climate resiliency analysis, supported by the Climate Resilience Framework and Standards for public sector buildings.
51	Residential building code cooling requirements	<ul style="list-style-type: none"> Proposed changes to the BC Building Code for new residential buildings will require that design temperatures for at least one living space do not exceed 26 C, to be achieved through active or passive cooling. This will help address health risks associated with future extreme heat events in B.C. 	<ul style="list-style-type: none"> Public review process completed. Revisions to next edition of the BC Building Code prepared for approval by the Minister. 	<ul style="list-style-type: none"> Upon approval, changes to the BC Building Code anticipated to come into force in 2024.

#	Climate Action	Details	Progress Measures/Results (FY 2022/23)	Action in FY 2023/24 (Underway or Planned)
52	Resilient Highway Infrastructure Climate Adaptation Program	<ul style="list-style-type: none"> Identify, map, prioritize and proactively replace select high-risk culverts and drainage vulnerable to climate and extreme weather as part of the infrastructure asset management adaptation program. 	<ul style="list-style-type: none"> Ongoing refinement of performance and prioritization measures in the GIS database for determining adaptation of vulnerable infrastructure. Include facility to identify hotspots and produce lists of adapted infrastructure. Tested the culvert risk assessment tool on the Cariboo Road Recovery Projects (CRRP) to calibrate the tool and make refinements. 	<ul style="list-style-type: none"> Expanding the Highway Infrastructure Climate Adaptation Program beyond culvert upgrades to other sections of highway infrastructure that have been identified to be vulnerable to future climate events. Working with GeoBC to bring the culvert risk assessment tool to government servers.
Climate-ready Industry				
53	Agriculture and food climate change adaptation programming	<ul style="list-style-type: none"> Research and extension programs related to water supply and water conservation, dam safety, irrigation efficiency, extreme heat, and wildfire risk reduction. The two main components of this programming are: <ul style="list-style-type: none"> The Regional Adaptation Program The Farm Adaptation Innovator Program 	<ul style="list-style-type: none"> Ongoing adaptation and innovation projects: <ul style="list-style-type: none"> Regional Adaptation Program – extension to develop regional adaptation plans and decision support tools, concluded in 2022/23. Farm Adaptation Innovator Program – includes application-driven, farmer-led research and demonstration projects, concluded in 2022/23. Applied research and analysis and technical reports: <ul style="list-style-type: none"> Biogas Feasibility Study – collected information from producers to develop a draft feasibility modelling tool. Education and on-farm demonstration events: <ul style="list-style-type: none"> Agricultural Climate Solutions Living Labs – farmer-researcher partnerships for research and demonstration projects, included a two-day Soil Health & Soil Carbon Data Protocol Workshop. Sector engagement on Climate Change and Environment Programs: <ul style="list-style-type: none"> In 2022, completed regional workshops (125 participants) and survey of agricultural producers (241 responses). 	<ul style="list-style-type: none"> Applied research and analysis and technical reports: <ul style="list-style-type: none"> Research agreement with the UBC Sustainable Agricultural Landscapes Laboratory – conduct targeted research and knowledge transfer on carbon sequestration and emissions reduction benefits associated with key regenerative agricultural practices. Biogas Feasibility Study – finalize feasibility modelling tool and produce final report that summarizes biogas opportunities by producer clusters. Decision aid tools: <ul style="list-style-type: none"> Develop grazing and fine fuels reduction decision aids. Share sustainable irrigation decision tools. Education and on-farm demonstration events: <ul style="list-style-type: none"> 2023/24 plans include silvopasture training and targeted knowledge transfer, BC potato fertilization and water management for climate change, and Okanagan vineyard cover cropping. Communications: <ul style="list-style-type: none"> Support collaboration to deliver climate research briefs for a producer audience. Create video series targeted to producers focused on climate adaptation practices. Sector engagement on climate change and environment programs: <ul style="list-style-type: none"> Conduct regional engagements with producers through fall 2023 to develop environment and climate-specific extension programming at the regional level.

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54	Beneficial Management Practices (BMP) Program	<ul style="list-style-type: none"> Support farmer and ranchers to build resilience to wildfire, drought, flooding, extreme heat and other climate-related risks. 	<ul style="list-style-type: none"> Adaptation program launched in July 2022 as an enhancement to the BMP Program. 	<ul style="list-style-type: none"> Application review is underway. Funding is divided into three application-based funding streams: water storage, water supply, and assessments and engineering. Financial support will be available via the BMP program for individual producer projects.
55	Climate Change Risk Management Program	<ul style="list-style-type: none"> Minimize the negative effects of climate change on government buildings and the services they provide. Complete climate risk and vulnerability assessments for government buildings. 	<ul style="list-style-type: none"> Developing a three-year Climate Risk Management and Adaptation Program to advance climate adaptation initiatives by building capacity within ministries, adapting existing business processes to improve climate resilience of the government building portfolio, and planning to prepare government buildings for climate-change impacts. Development of a geographic information system platform to screen buildings and sites for climate hazards such as floods, extreme heat, and wildfire smoke to be used by internal partners. Developed a climate adaptation training module to build capacity and support the implementation of the Climate Risk Management and Adaptation Program. 	<ul style="list-style-type: none"> Approval of Climate Risk Management and Adaptation Program. Implement program action plan, which includes actions in areas such as business processes, operations and maintenance, infrastructure, and capacity building. Complete climate risk assessment with costed solutions in three buildings.
56	Extreme weather preparedness (EWP) and water infrastructure for agriculture	<ul style="list-style-type: none"> Support farmers and ranchers to build resilience to wildfire, drought, flooding, extreme heat and other climate-related risks. 	<ul style="list-style-type: none"> 2022/23 EWP pilot was designed to offer funding for BC farmers and ranchers to develop climate-change adaptation tools and projects under three main streams: Wildfire Preparedness, Flood Preparedness, and Extreme Heat Preparedness. The program had two application intakes, with 162 applications received and 129 funded. 	<ul style="list-style-type: none"> Application intake opened in April 2023, with projects completed by January 2024.
57	Forest Landscape Plans (FLPs)	<ul style="list-style-type: none"> Increase climate science and adaptation expertise to support integration of climate change in key forest management and decision-making and ensure that climate-relevant information is integrated and considered in foundational forest management systems. Newly created FLPs by recent amendments to the <i>Forest and Range Practices Act</i>, provide a new mechanism for land managers to plan for future forest ecosystem conditions and to carry out practices and stand-level investments that contribute to managing global carbon cycles and climate change risks. 	<ul style="list-style-type: none"> Four Pilots ongoing since 2021, two on the coast and two in the interior of B.C.. Interior B.C. projects are intended to reduce wildfire risk by breaking up large homogenous fuel complexes in the short term and moving to a more heterogenous forest in the long term. Coast and interior B.C. projects will attempt to address ecosystem health by managing the seral stage distribution across the land base, forest activities in riparian areas, silviculture systems and regeneration practices. 	<ul style="list-style-type: none"> Eight new planning projects have been announced across the West Coast, Skeena, Omineca, Cariboo and Thompson/Okanagan Forest Regions. All are in the early design phase.

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58	Refreshing business areas and regions' Climate Action Plans (CAP)	<ul style="list-style-type: none"> Update and develop CAPs in each business area as required under the 2015-2020 Climate Change Strategy. 	<ul style="list-style-type: none"> Most of the regions and business areas (15 out of 17) have a draft CAP. Four regions (Omineca, Cariboo, Thompson Okanagan, and West Coast) and one division (Office of the Chief Forester) have an approved CAP. Two regions (Omineca and Thompson Okanagan) have an approved Implementation Plan for their CAPs. Other regions, business areas and divisions are in the process of developing/updating their Climate Action and Implementation Plans. 	<ul style="list-style-type: none"> Ongoing work includes: <ul style="list-style-type: none"> Implementation and continuous improvement of existing CAPs. Focus on development and approval of new CAPs to ensure all areas of ministry business are covered.
59	Strategic Framework for Tourism: A Plan for Recovery and Resiliency	<ul style="list-style-type: none"> Rebuild and revitalize B.C.'s tourism industry while working with partners to ensure this industry is cleaner, more resilient and prepared to adapt to climate change. This will be achieved using three key actions: <ul style="list-style-type: none"> Collaborate with partners to identify climate risks and develop tools to respond. Encourage partners to adopt common sustainability policies and practices, such as through active transportation plans. Invest in infrastructure to reduce tourism emissions and waste, such as expanding EV charging network, and adapt to climate impacts. 	<ul style="list-style-type: none"> Supported many tourism infrastructure and training projects through the Destination Development Fund on climate adaptation, improving resiliency to extreme events, and destination stewardship projects to mitigate visitor impacts. Funded Destination BC to create and implement the B.C. Climate Resiliency Initiative, which invests in education, assessments, expert coaching, action planning and adaptation for tourism businesses and community destination management organizations. Led the Tourism Emergency Management Committee, which works collaboratively with tourism stakeholders to develop resources and action plans to prepare for, respond to, and recover from disaster events. Provided financial support to the B.C. Regional Tourism Secretariat to continue and expand their work in training tourism business in emergency preparedness and supporting travelers during emergency events. 	<ul style="list-style-type: none"> Deliver projects supported through the B.C. Climate Resiliency Initiative to advance sector resiliency, including: <ul style="list-style-type: none"> Business supports such as training tools, adaptation planning, and micro grants for implementation Community supports such as destination stewardship planning and networking Data strategy to align policies and practices, establish common measures, and implement ongoing data collection methodology Support additional infrastructure and training projects through Year 2 of the Destination Development Fund. Continue to lead the Tourism Emergency Management Committee and implement action outlined in the Tourism Emergency Management Framework to improve mitigation, preparedness, response and recovery for the tourism sector.

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