



Climate Action Workbook

Hello - thank you for taking a look at the RDCK Climate Action workbook. This document provides more information about the actions we are working on to reduce risk and increased community resilience.

It is a work in progress.

And we invite you to join us as we learn about what climate action looks like in rural communities. As we investigate and implement, our learning may impact the actions. We will do our best to report and document all changes either here or in the RDCK State of Climate Action reporting.

Many of RDCK Climate Actions are already in staff workplans. About 1/3 of the actions are new or not already in workplans. These are identified by the following symbol: **NEW**

If you have questions or comments, please reach out to us - climateaction@rdck.bc.ca or rdck.ca/ClimateAction



LAND USE & PLANNING

▶ GOAL

RDCK policies and decision-making frameworks/guidelines support and promote healthy, sustainable, and low-carbon lifestyles for all residents, and minimize risks associated with natural hazards

▶ OBJECTIVES

Update planning policies and bylaws to guide future development to create resilient, accessible and livable communities

<p>ACTION Review of Official Community Plans (OCPs) to integrate climate action, renewable energy, housing availability and affordability, and complete community considerations</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Focus on renewable energy, active and low carbon transportation and development that supports accessible services - On-Going • Develop common climate action language to ensure a coordinated and efficient regional approach - 2023-2024 <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Integration of climate action considerations into development processes • Consistency and integration of climate action lens across Regional District <p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • OCPs <p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>
<p>ACTION Provide planning support to communities interested in zoning amendments and improvements</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Educate communities on the potential benefits of zoning and solicit feedback on support for introduction of zoning (this as part of the Area H OCP review - On-Going) • Use re-zoning (subdivisions) as an opportunity for case-specific development considerations/requirements (eg. land contributions for bus stops, money for future active transportation connections, etc.) - On-Going <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • More control and influence in rural development of zoned areas • Signals to development community that RDCK prioritizes compact communities, active & low carbon transportation <p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • OCPs <p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>
<p>ACTION NEW Work strategically with Ministry of Transportation and Infrastructure (MoTI) and BC Parks to increase connectivity and multi-modal options for movement</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Pursue collaboration for multi-modal transportation infrastructure (hubs, bike stalls, e-bike stalls, etc.) - 2023-2030 <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Decreased transportation-related emissions • Health benefits • Supports green economy (e-bikes) <p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Ministry guidelines on active transportation infrastructure development <p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>

<p>ACTION NEW</p> <p>Integrate access to public greenspace, recreation, and active transportation networks</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Integrate this work with the community amenity assessment work to support the regional active transportation ecosystem development efforts - 2023-2026 • Focus on protection and restoration of ecosystems - On-Going
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • This has many co-benefits including protecting integrity of landscape functions, greenspace, urban heat island effect, urban agriculture, the affect of natural areas on culture/human health, biodiversity protection, planning for the reduction/adaptation of climate change risks - wildfire, flood, etc.
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Parks & Trails Strategy • Recreation Master Plans • OCPs • Regional parks dataset
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

<p>ACTION</p> <p>Incentivize local farming, increased farm use, and decreased redevelopment of Agricultural Land Reserves</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Build capacity within the planning department on how to include these considerations into planning documents - 2023-2024 • Maintain or expand the area of land in the ALR and viable agriculture parcels (while still protecting forested areas) - On-Going • Consider ways to incentivize active farming on ALR land - 2023-2026 • Consider ways to support new and small farmers (farm leases, zoning to support collectives/co-ops, etc.) - 2023-2030 • Collaborate with regional partners to provide support to established and new farmers in strengthening their businesses - 2023 - 2030
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Supports local resiliency, and strengthens local food systems • Work with regional partners to support climate resilient crops that are adaptive to drought - On-Going
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Central Kootenay Food Policy Council (Evidence Based Planning Project) • Kootenay and Boundary Adaptation Strategies for Agriculture Plan
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M & A</p>

<p>ACTION NEW</p> <p>Research and learn from how other regional districts have used alternative/ innovative strategies to guide regional development</p> <p>TIMELINE 2023</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Look for local government leaders in climate resilient rural development - On-Going • Pursue collaboration with other neighbouring regional districts - On-Going
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Avoid reinventing the wheel by learning from other local government's development processes
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • OCPs (looking for policy overlap)
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

<p>ACTION</p> <p>Consider the development of Regional Growth Strategies in areas experiencing growth pressures or at a minimum coordinate land use planning in consultation with RDCK municipalities for those adjacent settlement areas, ensure the consideration of housing availability and affordability in these discussions</p> <p>TIMELINE</p> <p>On-Going</p>	NEW	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Provide continued education and engagement processes - 2023-2026 • Consider how to increase the attractiveness of a coordinated regional development strategy to municipalities and electoral areas and how to introduce it in manageable pieces - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Create a more coordinated approach to regional development (infrastructure, neighborhood planning, etc.) 	
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Regional Planning 	
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION M & A</p>	



OBJECTIVES

Leverage planning policy to reduce the risk threshold of community development decisions and projects

<p>ACTION</p> <p>Integration of the Community Wildfire Resiliency Plans (CWRPs) and floodplain mapping into all OCP's</p> <p>TIMELINE</p> <p>2023-2024</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Proactively update OCPs in identified high-risk/priority areas - 2023-2024 • Develop standardized policy statement wording that will be used to integrate CWRPs into OCPs - 2023-2024
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Help communities prepare and adapt to climate impacts/risks
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • RDCK's National Disaster & Mitigation Program data • Community Wildfire Protection Plans
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: A</p>

<p>ACTION</p> <p>Utilize hazard Development Permit Areas (DPA) and riparian DPAs to guide resilient development in high-risk areas and protect ecosystems</p> <p>TIMELINE</p> <p>On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Collect data on these efforts to improve the process over time - On-Going
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Alternative way to influence/control development decisions
	<p>POLICIES, RESOURCES, TOOL</p> <ul style="list-style-type: none"> • Development Permit Areas for hazard, wildland urban interface, and riparian areas
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

Development Permit Areas can be created to support the OCP objectives of protecting developments from hazardous conditions in the environment - such as flooding, erosion, land slip, rock falls, and fire hazards - and protecting the natural environment, including sensitive ecosystems and biodiversity



TRANSPORTATION & MOBILITY

GOAL

An integrated active and low-carbon regional transportation network (ecosystem) supporting universal access to services and amenities

OBJECTIVES

Promote and support mobility for residents (with a focus on vulnerable communities) through locally initiated multi modal programs and infrastructure

<p>ACTION NEW</p> <p>Integrate local community groups into the development of active transportation networks</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Advocate to connect rural neighborhoods to safe and convenient active transportation paths • Advocate to improve transit connections between all rural neighbourhoods to other communities • Develop Regional Active Transportation Strategy <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Special interest community groups can lobby and act quickly (eg. Castlegar-Nelson active transportation route = case study) but guidance must be developed to ensure that these efforts/projects are efficient/effective <p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Transit Future Service Plan (TFSP) • Regional Active Transportation Strategy • Parks and Trails Strategy • Recreation Master Plans <p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>
<p>ACTION</p> <p>Collaborate with regional partners on innovative low-carbon transportation solutions</p> <p>TIMELINE 2022-2026 (On-Going)</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Host a transportation think tank to generate innovative ideas and identify collaboration opportunities - 2022 • Emphasize a focus on equity and universal access in the shift to low-carbon transportation - 2023-2026 • Collaborate on a webmap to detail the regional transportation ecosystem - 2023-2030 • Consider using & supporting community halls as 'hubs'/nodes for multi-modal transportation - 2023-2030 • Consider ways to support and incentivize carshares/rideshares/bikeshares, shuttle services, and multi-modal low-carbon transport - 2023-2030 <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Improve public access to multi-modal, low-carbon transportation options • Reduce transportation-related carbon pollution <p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M & A</p>
<p>ACTION</p> <p>Increase Transit ridership</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Free ridership (subsidized, or reduced cost) for all or for certain demographics (eg. low-income, seniors, students, etc.) -2026 - 2030 • Work towards a taxpayer-based transit service - 2030 • Gain public support through outreach & education - On-Going • Encourage and promote employer bus-pass programs - 2023-2026 <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Increased cost-feasibility/self-sufficiency and efficiency of transit services • Decreased community emissions <p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>

<p>ACTION NEW</p> <p>Conduct or support community amenity assessments</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Develop community amenity inventories (start with nodes/primary amenities (hospitals, schools, rec centres, parks) - 2023-2026 • Review rural potential active transportation methods - 2024-2026 • Explore inter-regional collaboration opportunities - 2023-2030
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Characterize opportunities, limitations, and needs for active transportation network to allow for effective solutions to be selected
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

▶ OBJECTIVES

Create an internal corporate structure and access to expertise that can support the shift to regional low-carbon transportation (zero-emission vehicles, buses, e-bikes/scooters, carshares, trains, ferries) within/between rural areas and municipalities

<p>ACTION</p> <p>Consider Regional Active Transportation Strategy or alternative framework of guidelines and/or policy documents to support active transportation projects & initiatives to exercise governance over regional active transportation coordination and development</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Prepare project plan and budget for Board's consideration of a Regional Active Transportation Strategy or guideline framework - 2022-2023 • Develop a position and hire an in-field expert (deal with public inquiries, manage contracts, etc.) - 2024-2025 • Utilize the Castlegar-Nelson active transportation route development as a case-study to help determine best practice and avoid duplicating pitfalls, and as an opportunity to advocate for the need for an in-house expert/responsible staff to manage public inquiries and contracts, etc (learn from process) - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Must strategically consider how to reduce carbon pollution - 70% of rural regional emissions are from transportation • Improve ability (governance) of the RDCK to support a transition to low-carbon transportation • Health benefits (air quality improvements, increased exercise) • Supports green economy (e-bikes)
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Castlegar - Nelson connection is a case study
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M</p>

<p>ACTION NEW</p> <p>Ensure all new/upgraded community and corporate buildings have active transportation connections</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Promote active and low carbon transportation as part of RDCK regional transportation planning - 2023
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Increased active transportation, decreased emissions, increased health
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • 100% Renewable Energy Plan
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M</p>

<p>ACTION NEW</p> <p>Develop policies/bylaws to support active transportation transition</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Consider planning/land use development cost charges (use for future active transportation infrastructure), purchase/lease of land for bus stops - 2023-2026 • Develop active transportation guidelines/specifications framework for community groups/organizations developing local-scale solutions to reference (eg. rural community road/path dusting, etc.) - 2023-2026 • Create strategy for network hubs (look to RDEK for template) - 2026 • Begin pilot programs for hubs - 2030
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Increased revenue to fund transportation infrastructure upgrades • Increased ability of RDCK to govern decisions regarding low-carbon transportation infrastructure development
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Use Provincial active transportation design guidelines/framework to support Regional Active Transportation Strategy (RATS)
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M</p>
<p>TIMELINE 2023-2030</p>	

▶ OBJECTIVES

By 2035, plan to shift all new cars to be zero emission vehicles (ZEV), which aligns with the Provincial CleanBC goal, and transitioning large diesel vehicles to run on low-carbon fuels

<p>ACTION</p> <p>Transition RDCK fleet to ZEVs</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Complete Fleet Inventory - 2023 • Conduct Fleet Assessment Study - 2023-2024 • Establish procurement policy for local government fleet including lifecycle costs and social costs of carbon - 2024-2025 • Follow recommendations from Fleet Study (Passenger - 2026), (Commercial - 2030)
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Characterize and understand fleet limitations, identify ways to reduce carbon pollution and improve efficiency • Improve data availability on transportation emissions
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Green or ZEV Fleet Policy • Leverage/update current RDCK Vehicle and Fleet Policy
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>
<p>TIMELINE 2022-2030</p>	

<p>ACTION</p> <p>Support commercial and industry transition to low-carbon fleets</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Develop and outlay strategies for fleet operators to share experiences on fleet transition - 2024-2026 • Develop Best Practices Guide for fleet owners to convert to ZEVs using own corporate fleet transition as example - 2026-2028
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Reduced emissions, characterize and understand fleet limitations • Increase information availability and industry capacity
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>
<p>TIMELINE 2024-2028</p>	

<p>ACTION Coordinate electric vehicle network in regional district</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Assemble inventory of public spaces suitable for electric vehicle (EV) charging, including at corporate facilities - 2023-2024 • Develop application for level 2 public chargers and guidelines for suitable location selection - 2023-2024 • Deploy chargers at RDCK corporate offices - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Proactively prepare for the transition to ZEV through infrastructure upgrades • Improve accessibility of EV infrastructure
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M</p>

<p>ACTION Develop an EV charging strategy with focus on rural areas, educational material for contractors/homeowners</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Develop EV Readiness Guidelines for new buildings to ensure dedicated charging and capacity (BC Building Code Part 3, possibly more policy-based for Part 9) - 2023- 2026 • Support EV charger installations in rural communities (grant/rebate application process) - 2023-2026 • Top up provincial home/commercial charging infrastructure incentive, partner with neighbouring communities on ongoing active outreach to public and dealers - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Increased access and coordination of EV infrastructure to support transition to low-carbon transportation
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Rural readiness policies available?
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M & A</p>

<p>ACTION NEW Support electrification of Kootenay Lake ferry</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • New electric ready vessel will begin service in 2023 • Advocate for all electric operation of new vessel prior to 2030
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Reduce emissions • Advocate for leadership on electrification
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>



▶ GOAL

Transition to a low-carbon and energy resilient future through clean energy strategies, technologies, and cultural shifts (3 E's - Eliminate emissions, Efficiency improvements, Electrification or fuel switching)

▶ OBJECTIVES

Engage in efforts to improve grid resilience and future-proof electrical infrastructure (eg. EV infrastructure, micro-grids - smart technologies, panel upgrades in advance, bidirectional flow with EV as battery) for load management of electrical grid, grid-looping, etc.

<p>ACTION Assist rural communities in increased electrical grid resilience</p> <p>TIMELINE 2023-On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Investigate and pilot ways to improve rural energy resiliency and reduce emissions (bi-directional charging, rural micro-grids - storage and generation, emergency, emergency resources, input funding or increase support for Wood Stove Exchange Program, etc.) - 2023-2026 Augment pilot projects in rural areas to support energy resilience - 2026-2030
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Improve grid resilience in rural areas/communities
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> 100% Renewable Energy Plan
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>

<p>ACTION Advocate for future-proofing existing EV infrastructure with regional utilities</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Engage and build relationships with FortisBC, Nelson Hydro and BC Hydro regarding grid resilience pilots - 2023 Follow up with continued relationship building as needed to support rural electrical capacity - 2024-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Improve grid resilience in rural areas/communities
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> Bioenergy Opportunities in the Regional District of Central Kootenay (Torchlight Bioresources Ltd, Kerr Wood Leidal) Lardeau Power Assessment (Rocky Point Engineering and PBX Engineering)
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>

▶ OBJECTIVES

Support a regional transition to 100% renewable energy by 2050

<p>ACTION Provide education (internally & externally) around how to achieve regional emission targets</p> <p>TIMELINE 2023-On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Provide education through climate action culture building efforts - 2023-2026 • Focus on switching off 'non-renewable gas', and promoting energy-conservation principles
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Influence the culture shift required to address climate change
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • 100% Renewable Energy Plan
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>

<p>ACTION NEW On-Going focus and coordination of renewable energy installations</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Improve access to grant programs - On-Going • Construct and operate renewable energy systems - On-Going • Consider supporting or partnering with farms on renewable energy installations - On-Going
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Improve grid resilience in rural areas/communities
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • 100% Renewable Energy Plan
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>



RESOURCE RECOVERY

GOAL

Improve the health of our natural ecosystem by reducing the RDCK’s environmental impact through the assessment and diversion of waste from landfills, while simultaneously advancing the recovery of waste through improved waste management and new technologies

OBJECTIVES

Strive to align with CleanBC and aim to divert a significant amount of organic waste from landfills

ACTION Support curbside organics and recycling collection and expand diversion in rural areas	NEXT STEPS <ul style="list-style-type: none"> • Provide public education and engagement opportunities around the benefits of organic collection and composting - 2023-2026 • Build out rural transfer stations for compost and/or explore alternatives for in-home management like backyard composting, Bokashi or FoodCycler - 2023-2026 • Encourage the input of agricultural organic waste streams into the regional composting facilities - 2023-2026 • Consider the distribution of the produced compost from regional facilities to local farms to support regional food system security and improved soil health, and reduce imported organics - 2023-2026 	
	BENEFITS & CONSEQUENCES <ul style="list-style-type: none"> • Reduced methane emissions from landfills • Reduced pressure on land from landfill capacity requirements and leachate reduction • Reduced emissions from the transportation of organics 	
	POLICIES, RESOURCES, TOOLS <ul style="list-style-type: none"> • Resource Recovery Plan • Waste Composition Study - when completed • Multi-phased curbside consultations 	
	CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M	

ACTION Investigate Provincial ban on all organics (residential, commercial, institutional, agricultural), (food waste, yard waste, etc.) from landfills by 2030	NEXT STEPS <ul style="list-style-type: none"> • Following full implementation of organics diversion program, conduct review of effects and impact of aligning with Provincial ban (likely first step would be a would be a commercial ban in areas with active diversion options). Any action would require stakeholder engagement (eg. survey to assess limitation of the ban) – 2026 	
	BENEFITS & CONSEQUENCES <ul style="list-style-type: none"> • Ensures regulatory compliance and reduces community GHG emissions, contribution to carbon pollution reduction targets 	
	POLICIES, RESOURCES, TOOLS <ul style="list-style-type: none"> • Resource Recovery Plan • Waste Composition Study - when completed 	
	CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M	

▶ OBJECTIVES

Reduce the per capita disposal rate by 29%, from 490 kg per capita (2020 rate) to 351 kg per capita, which is in line with the Province's per capita disposal target

<p>ACTION Support circular economy innovation</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Circular Economy Think Tank (include construction and other waste streams) to find circular economy solutions - 2023 • Consider developing or supporting the development of a circular economy public communications (eg. an online app) - 2024-2026 • Pursue pilot projects from the potential solutions that emerge from the Circular Economy Think Tank - 2024-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Supports the new compost facilities with increased input material streams • Influences waste-conscious culture
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Resource Recovery Plan • Organic Waste Diversion Strategy
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M</p>

<p>ACTION Create programs for the diversion of construction and demolition wastes & other organic non-food wastes</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Pursue pilot projects to determine feasibility and initiate uptake of these programs - 2023-2024 • Linked with buildings - embodied carbon/lifecycle assessment, new builds/renovations consider impacts of all stages of life cycle - 2023-2030 • Advocate for deconstruction policies in Provincial codes - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Contributes to landfill GHG reductions and waste reductions
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Resource Recovery Plan
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M</p>

<p>ACTION Work towards a user-pays resource recovery system that is financially self-sufficient and incentivizes waste reduction</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Consider an alternative administrative model for the Resource Recovery system - 2023-2030 • Undertake a resource recovery system efficiency study and identify options to improve its cost effectiveness and equitability - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Improves the self-sufficiency of the regional resource recovery system and incentivizes waste reductions
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>

<p>ACTION Complete a waste composition study to create a baseline for the RDCK and measure effectiveness of Resource Recovery Plan and Organic Waste Diversion Strategy</p> <p>TIMELINE 2023, 2028</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • A comparison between the 2023 and 2028 waste composition studies will allow for assessing the effectiveness of applied measures of the RRP to reducing and diverting waste - 2023-2028 	
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Improves understanding and data availability of/for regional waste streams and carbon pollution 	
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Resource Recovery Plan • Organic Waste Diversion Strategy 	
	<p>CONTROL /INFLUENCE: Control</p>	<p>MITIGATION /ADAPTION: M & A</p>

▶ OBJECTIVES

Reduce the greenhouse gas emissions resulting from regional waste streams

<p>ACTION NEW Explore mobile chipping program options (wildfire fuel mitigation, logging, yard waste, landfill wood stream, construction & demolition etc)</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Consider combining this effort with wood grinding processes at landfills (include mills, forestry, etc) - 2023-2026 • Conduct a pilot project to determine feasibility of this program (consider partnering with an industry or municipality) - 2023-2026 	
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Reduces landfill carbon pollution 	
	<p>CONTROL /INFLUENCE: Influence</p>	<p>MITIGATION /ADAPTION: M & A</p>

<p>ACTION Transition landfills to capture (and ideally use rather than flare) methane emissions</p> <p>TIMELINE On-Going as landfill cells are capped</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Investigate flare and capture technology for Ootischenia landfill – 2030 • Creston – Phase 2 – 2026-2028 • Design operation closure plan – On-Going 	
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Reduces landfill carbon pollution 	
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Resource Recovery Plan 	
	<p>CONTROL /INFLUENCE: Control</p>	<p>MITIGATION /ADAPTION: M</p>

<p>ACTION Landfill septage improved management options assessment including climate/ carbon pollution impacts</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Explore alternate septage management options - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Improves understanding of carbon pollution and how to reduce these
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Resource Recovery Plan
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M</p>

<p>ACTION Implement a program to increase the awareness of opportunities to self-manage organic waste</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • This action will be designed in response to the delivery and completion of other components of the Resource Recovery Plan, namely a curbside service • Food waste reduction campaign, like “Love Food, Hate Waste” • Financial incentives for purchase of a composter, fermentation kit, or other acceptable equipment that supports on-site management (e.g., a mail-in rebate) • Workshops on on-site management techniques, e.g., Vermicomposting, fermentation, how to compost in areas with bears • Support of gleaning programs (a type of food recovery where food that would otherwise go to waste is harvested directly from where it is grown) • A media campaign done in concert with WildSafe BC • Develop educational tools and allocate resources to support established food network programs in linking food waste generators with potential users such as to farmers for use as animal feed
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Reduces food waste • Improves understanding of carbon pollution • Reduces carbon pollution
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Resource Recovery Plan • Multi-phased curbside engagement
	<p>CONTROL /INFLUENCE: Control + Influence MITIGATION /ADAPTION: M</p>



▶ GOAL

Accelerate improvements to existing buildings towards improved energy efficiency and reduced operational and embodied carbon pollution

▶ OBJECTIVES

Align new community and residential buildings with provincial Step Code timeline (Part 3 & Part 9 buildings encouraging community organizations and residents to be net-zero ready for all new builds by 2030)

<p>ACTION Encourage residents and businesses to pursue energy audits and/or upgrades</p> <p>TIMELINE 2023-2024</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Improve and refine Regional Energy Efficiency Program (REEP) with focus on rural communities, promote applicable educational, funding & grant programs and explore a contractor incentive program for rural communities • Improve building envelopes - 2023-2026 • Implement enhanced compliance including mid-construction blower door testing - 2023-2026 • Advocate for or provide incentives for contractors (currently most are for homeowners) - 2023-2026 <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Proactively prepare for higher-step mandates • New builds built to Step Code standards will help catalyze the process of the RDCK in becoming 100% renewable by 2050 <p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • BC Step Code • RDCK Building Bylaws • Regional Energy Efficiency Program (REEP) • 100% Renewable Energy Plan <p>CONTROL /INFLUENCE: Control (up to mandated Step) MITIGATION /ADAPTION: M</p>
<p>ACTION Support transition to provincial energy step code (net zero by 2032).</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Consider ways to support or encourage building materials that store carbon or are low carbon, work with contractors and advocate for rural-specific concerns - 2023-2030 <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Proactively prepare for higher-level mandates <p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • BC Step Code • RDCK Building Bylaws • Regional Energy Efficiency Program (REEP) • 100% Renewable Energy Plan <p>CONTROL /INFLUENCE: Control (up to mandated Step) MITIGATION /ADAPTION: M</p>

OBJECTIVES

Encourage residents and businesses to retrofit existing buildings to meet 20-30% energy efficiency improvements

<p>ACTION Encourage Energuide assessments for renovations and promote funding opportunities for achieving this action</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Adopt Provincial Retrofit Code when it becomes available - 2026-2028 • Leverage REEP to identify and retrofit homes with prioritization on high need and vulnerable communities - 2023-2030 	
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Reduce energy demand and carbon pollution, and improve home efficiency transparency and comprehension 	
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Regional Energy Efficiency Program (REEP) • (Potentially the Provincial Retrofit Code) 	
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>	
<p>TIMELINE 2023-2026</p>		

<p>ACTION Encourage businesses to pursue funding for commercial energy audits and/or energy efficiency upgrades</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Promote applicable funding/grant programs - 2023-2030 • Adopt Provincial Retrofit Code when it becomes available - 2026-2028? 	
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Reduce energy demand & carbon pollution 	
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Fortis BC Small Business Engagement Program • (Potentially the Provincial Retrofit Code) 	
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>	
<p>TIMELINE On-Going</p>		

<p>ACTION Distribute educational materials and resources and promote funding opportunities for homeowners regarding sustainable retrofits and materials</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Create a communities and outreach strategy with REEP - 2023 	
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Education & outreach to public 	
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>	
<p>TIMELINE On-Going</p>		

<p>ACTION Provide support for heat pumps</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Ensure that funding and contractor support efforts are available and specific in rural areas - On-Going • Promote contractor participation in Home Performance Contractors Network (HPCN), align wording with HPCN (for retrofits) - 2023-2026 • Consider incentivizing heat pump installments through dedicated funding or topping-up of Provincial funding (similar to RDEK - must be decarbonizing, and pre-qualified contractor) - 2023-2030
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Reduce energy demand & carbon pollution
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>

<p>ACTION Engage in the development of the Provincial Retrofit Code and advocate for the consideration of rural-specific concerns</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Participate in the Retrofit Peer Network - 2023-2026 • Ensure that building retrofit grant programs are inclusive of farm buildings and promote programs to the farming community - 2023-2030 • Advocate for Province to consider changing regulation/application process on rainwater, greywater, and blackwater applications in a rural context - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Supports sustainable decisions and reduced carbon pollution in renovated buildings
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>

OBJECTIVES

All buildings and infrastructure construction/renovation projects consider embodied carbon and consumption-based inventories through a Life Cycle Analysis approach

<p>ACTION Align and collaborate where possible with external embodied emission policy and research efforts (Nelson Next Plan, Nelson embodied emissions benchmarking study/materials guide, CEA Embodied Emissions Guide - Gamechanger initiative)</p> <p>TIMELINE 2023-On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Engage with Nelson (and other local governments/organizations) as they research embodied carbon in the building sphere - 2023-2026 • Support related builder training/education programs regarding low-carb on building materials - 2023-2026 • Advocate for Province to consider embodied carbon in STEP Code - 2023-2026 • Consider how to influence/incentivize supply of low-carbon materials/products (Purchasing Policy) - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Embodied carbon accounts for about half of a building's lifetime carbon pollution and is currently unaddressed through building/STEP code
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Utilization of DPAs to select for lower carbon landscaping materials • City of Nelson's Low Embodied Carbon Building Materials Guide & benchmarking Study • BEAM and other tools • (Potentially the Provincial Retrofit Code) • CEA Embodied Emissions Guide
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M</p>



GOAL

Accelerate improvements to existing buildings towards improved energy efficiency and reduced operational and embodied carbon pollution

OBJECTIVES

Align corporate buildings with Provincial Government’s Step Code and have all new corporate buildings be net-zero ready by 2030, 2 years ahead of Province’s goal (aligns with 100% Renewables Kootenays goal)

ACTION

Adopt timelines to align with transition to provincial energy step code (net zero by 2032).

TIMELINE

2023-2030

NEXT STEPS

- Improve mechanical and electrical systems 2023-2030
- Implement enhanced compliance including mid-construction blower door testing - 2023-2026
- Implement blower door tests for all corporate building retrofits 2026-2030

BENEFITS & CONSEQUENCES

- Proactively prepare for higher-step mandates and equivalents
- New buildings built with lifetime efficiency in mind, focussing on whole-system design and low energy use will reduce energy use and greenhouse gases over the life of our buildings.

POLICIES, RESOURCES, TOOLS

- RDCK Building Bylaws
- RDCK Better Corporate Building Policy

CONTROL /INFLUENCE: Control

MITIGATION /ADAPTION: M

OBJECTIVES

Corporate structures will adhere to the Better Building Policy for RDCK Facilities to ensure that all existing buildings continue to improve its energy efficiency

ACTION

NEW

Train staff on application of Better Building Policy and Procedures develop and increase internal expertise and access to resources to assist, and support with low carbon building projects

TIMELINE

2023-2026

NEXT STEPS

- Encourage the priority of the uptake of Better Building Policy - 2023-2024
- Consider re-developing the sustainability checklist or matrix to help project staff use the Better Building Policy - 2023-2024
- Provide support for implementation on specific projects - 2023-2026
- When hiring staff consider expertise in low carbon/green buildings - On-Going
- Conduct a pilot project on a new corporate building or major renovation using the Better Building Policy as a guide for contractors (eg. low carbon building material options considered, energy/design planners use integrative planning process, etc.) - 2023-2026

BENEFITS & CONSEQUENCES

- Helps staff align with Board mandates and achieve emission reductions

POLICIES, RESOURCES, TOOLS

- RDCK Better Building Policy

CONTROL /INFLUENCE: Control

MITIGATION /ADAPTION: M & A

OBJECTIVES

Lower total workplace carbon pollution and energy consumption in both corporate and RDCK-controlled community buildings/facilities

ACTION

Utilize a building monitoring software to monitor energy consumption/efficiency and carbon pollution for all corporate and RDCK-controlled community buildings/facilities

TIMELINE

2023- On-Going

NEXT STEPS

- Update Portfolio Manager (or other building monitoring software) to include all corporate & RDCK-controlled community buildings - 2023-2024
- Track and collect data regarding corporate building operational energy and carbon pollution through building monitoring software (eg. Portfolio Manager) - On-Going
- Produce annual summaries for RDCK owned/operated buildings/facilities - On-Going

BENEFITS & CONSEQUENCES

- Data produce will help identify ways to reduce carbon pollution & improve efficiency/building management and maintain transparency on carbon pollution and progress towards targets

POLICIES, RESOURCES, TOOLS

- Portfolio Manager

CONTROL /INFLUENCE: Control

MITIGATION /ADAPTION: M

ACTION

Utilize data collected from building monitoring software to make improvements to corporate buildings/facilities operation and management, and identify cost-effective energy retrofits

TIMELINE

2024-2030

NEXT STEPS

- Provide training to staff on how to utilize this resource - 2023-2024
- Develop Building Operational/Management policies/guidelines (such as RDCK Operations and Maintenance Guidelines) to support best practices and sustainable decision-making processes in the management of RDCK buildings/facilities - these can be developed using working groups and specific to types of buildings (already exists for recreation facilities,) - 2023-2026
- Integrate building operations/management into Asset Management Plan and Asset Manager's role - 2023-2026
- Explore options to improve the energy efficiency and renewable generation of RDCK buildings through upgrades and retrofits - On-Going
- Consider smart thermostats and other technologies/strategies to reduce carbon pollution - 2023-2026

BENEFITS & CONSEQUENCES

- Supports sustainable decisions and reduced carbon pollution in renovated buildings

POLICIES, RESOURCES, TOOLS

- Portfolio Manager
- BC Step Code
- Better Buildings Policy
- 100% Renewable Energy Plan
- RDCK Asset Management Plan (when completed)

CONTROL /INFLUENCE: Control

MITIGATION /ADAPTION: M & A



FOOD & AGRICULTURE

▶ GOAL

Support regional development of a sustainable and resilient food system, through climate adapted agricultural crops and strategies that enhance local food security, and ensure access for all residents

▶ OBJECTIVES

Support efforts to improve the capacity, feasibility, and climate resiliency of local agriculture

<p>ACTION NEW</p> <p>Support local farmers in accessing funding to upgrade irrigation and water storage infrastructure</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Work with key partners (Canadian Agriculture Partnership, Environmental Farm Plan program, Columbia Basin Trust and others) to offer a grant program to defray the costs of shifting irrigation infrastructure to enable the most efficient use of water • Participate in Water Management Advisor Program that would provide specific guidance on suitable water storage options for options and to assist with permit and cost-share applications • Participate in pilot/demonstration water storage projects
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Water storage has potential co-benefits (flood mitigation, fire protection, wildlife enhancement)
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Central Kootenay Food Policy Council (Evidence Based Planning Project) • Kootenay and Boundary Adaptation Strategies for Agriculture Plan
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: A</p>
<p>TIMELINE</p> <p>On-Going</p>	

<p>ACTION NEW</p> <p>Support local farmers in accessing funding to plant climate resilient crops, implement climate adapted agricultural strategies and climate resilient infrastructure upgrades</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Advocate to Province for infrastructure - Hoopouse/greenhouse funding program in anticipation of multi-year climate action funding - 2023 • Promote or consider partnerships or co-funding opportunities for farm flood adaptation measures - 2024-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Increase regional food system sustainability and security • Riparian protection/management - leverage co-benefits (wildfire protection, flood management, habitat conservation)
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Linking Farmland to Floodplains Report (Kootenay & Boundary)
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: A</p>
<p>TIMELINE</p> <p>2023-2026</p>	

▶ OBJECTIVES

Support efforts to improve the capacity, feasibility, and climate resiliency of local agriculture

<p>ACTION NEW</p> <p>Encourage and support local food production (farmers' markets, home gardens/urban food production, etc.)</p> <p>TIMELINE 2023-2024</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Consider ways to support regional agrotourism (market tours/map/guide, cannabis tourism, etc.) • Add a link to the CKFPC Food Directory on RDCK website
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Increase regional food system sustainability and security • Incentivizes local agriculture
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Census Canada
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>

<p>ACTION NEW</p> <p>Support producers, and processors as shifting temperature and precipitation patterns result in food systems variability towards overall resilience</p> <p>TIMELINE 2024</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Support development of tools related to agricultural decisions based on weather data • Support research/knowledge sharing of innovative management practices for dealing with increased climate variability (fact sheets, online knowledge hub, workshops) • Promote & distribute farm flood risk information and readiness resources • Support efforts to identify pests/invasive species of concern & appropriate best practices (biological & mechanical controls, relationship between soil health (pH, nutrients, etc.) & pests) • Explore and promote programs to reduce carbon pollution along regional food supply chains, from the farm level through aggregation, distribution, retail / restaurants and households (eg. reducing nitrogen fertilizer use, increasing the use of cover crops, protecting riparian and treed areas, reduction in fossil fuel use / electrification of equipment and vehicles, reducing food waste, etc.)
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Increase regional food system sustainability and security
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Census Canada
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>

<p>ACTION NEW</p> <p>Explore further partnership opportunities with water stewardship groups in the region to support efficient water use in agriculture and food production</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Support the development and encourage the uptake of water consumption tracking tools • Explore the creation of an agricultural water advisory committee • In collaboration with relevant stakeholders, develop measures that provide adequate access to water for food production. • Support the development of adapted water management techniques that respond to climate variability (flood and drought conditions) and support consistent production
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Identify ways to conserve and protect water resources and adapt to climate-induced water shortages
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Climate Change Adaptation Program: Regional Adaptation Strategies Kootenay & Boundary • Agricultural water demand modelling • Agricultural Land Use Inventories
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: A</p>
<p>TIMELINE</p> <p>2024</p>	

OBJECTIVES
 Ensure that food production and agricultural support efforts/initiatives are provided in a manner that is equitable and accessible to all demographics

<p>ACTION NEW</p> <p>Collaborate with relevant organizations (emergency food providers, colleges, employment services, etc.) to develop low barrier funds, training and other support programs for Black, Indigenous and People of Colour who wish to farm or develop food businesses.</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Aid in the development and dissemination of a solid understanding of food insecurity stressors and cycles (for example, months with five weeks between social assistance cheques, lack of school meal programs in the summer months, holidays, school fees) in order to gather information and generate actions to better support those who are impoverished and hungry in the Central Kootenay • Consider hosting workshops to bring together different groups to look at common challenges, or attending industry production meetings with educational materials as farmers from various demographics already attend these
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Ensures climate-related efforts are offered through a lens of equity
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Agricultural Bylaw for Areas A,B,C; RDCK Agricultural Plan
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>
<p>TIMELINE</p> <p>2024</p>	

OBJECTIVES

Develop and update policies and regulation to support local agriculture and climate resiliency

<p>ACTION NEW</p> <p>Explore regulatory changes that could support on-farm water storage</p> <p>TIMELINE 2025</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Consider an update of Official Community Plans • Learn from Yaqan Nukiy on wetland restoration • Update RDCK Area Agriculture Plan to include climate adaptation considerations
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Water storage has potential co-benefits (flood mitigation, fire protection, wildlife enhancement)
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Census Canada
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: A</p>
<p>ACTION NEW</p> <p>Continue to advocate for small-scale livestock farming</p> <p>TIMELINE 2023</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Encourage discussion with municipalities on bylaws regarding backyard livestock (draw on lessons learned in other jurisdictions with similar wildlife interfaces to develop suitable requirements of residents to ensure safe keeping of the animals) - Rosslund allows backyard chickens and could be used as a case study by other municipalities • Continue advocacy for ease of meat regulation on farmers
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Incentivizes local agriculture
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M & A</p>

OBJECTIVES

Establish and nurture partnerships with a wide variety of involved organizations, and actively maintain a high level of regional collaboration on local agriculture initiatives

<p>ACTION NEW</p> <p>Actively pursue opportunities to collaborate, and provide support for actions and efforts regarding climate action and food network resiliency including education/outreach, funding, policy updates/development and partnerships (staff and administrative supports)</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Facilitate or support industry/stakeholder engagement, education, and networking opportunities for the local agricultural community (workshops, networking and knowledge sharing events, online knowledge hub, etc.) • Partnership development (research, small-farm support networks/resources, etc.) • Use communications platforms to educate about food, partnering with Interior Health, local farm organizations, food policy council, and emergency food providers. • Provide support to area employment & career services, colleges to retrain unemployed workers in sectors impacted by the pandemic, based on employment needs and viable career options in Central Kootenay business community (farm /food related) • Collaborate with partners (Columbia Basin Trust, ETSI-BC, Credit Unions and others) to create a fund for local food purchasing at emergency food services, available on an as needed basis.
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Increase regional food system sustainability and security
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>

<p>ACTION Continue funding and active collaboration with the Central Kootenay Food Policy Council (CKFPC)</p> <p>TIMELINE Annual</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Participate in Strategic Planning process - 2023
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Increase regional food system sustainability and security and support for local farmers
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

<p>ACTION Maintain the agricultural extension service through the Kootenay Boundary Farm Advisory (KBFA) in the RDCK</p> <p>TIMELINE Annual</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Participate in Strategic Planning process - 2023
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Increase regional food system sustainability and security and support for local farmers
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>



WATER SUPPLY

▶ GOAL

Strengthen watershed governance and implement adaptive strategies to protect drinking water and agricultural water supply

▶ OBJECTIVES

Enhance regional water conservation

ACTION NEW Regional WaterSmart Ambassador program TIMELINE 2023-2024	NEXT STEPS <ul style="list-style-type: none"> • Re-establish Regional WaterSmart Ambassador program - 2023 (restart) • Improve/update the old program through engagement with Community Advisory Committees (CAC's) and consider developing an engagement tool - 2023-2024 • Ensure program educates and supports public on water conservation measures (low-flow appliances, rainwater applications, water storage, etc.) - 2023
	BENEFITS & CONSEQUENCES <ul style="list-style-type: none"> • Decreased water demand through increased water conservation awareness
	POLICIES, RESOURCES, TOOLS <ul style="list-style-type: none"> • Watershed Governance Initiative Scoping Study, Webmap, and Story Map • Lobbying Provincial Government • Irrigation assessments onsite of private properties; Xeriscape Demonstration Garden Tours and learning sessions
	CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: A

ACTION NEW Support demand side management TIMELINE On-Going	NEXT STEPS <ul style="list-style-type: none"> • Partner with farms/greenhouses on water metering and conservation - consider incentives (eg. privileging water access to farms metering and demonstrating a certain level of stewardship) - 2023-2026 • Consider Erickson for farm metering opportunities (Creston already has some voluntary water metering on farms) - 2023-2024 • Advocate for metering of high-water consumption industries such as golf courses - 2023-2026
	BENEFITS & CONSEQUENCES <ul style="list-style-type: none"> • Decreased water demand • Help avoid water shortages • Helps the agricultural community demonstrate water stewardship
	POLICIES, RESOURCES, TOOLS <ul style="list-style-type: none"> • Water Conservation Strategy
	CONTROL /INFLUENCE: MITIGATION /ADAPTION: M & A

OBJECTIVES

Creating the conditions for regional collaborative decision making to protect watersheds where drinking water sources are at risk

<p>ACTION Implement the Watershed Governance Initiative</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Phase 3 - relationship building, investigation of Water Sustainability Plans, community watersheds planning tools, On-Going story and web mapping - 2022 Conduct a cumulative impact study of the Duck Creek Watershed - 2023 Phase 4 - Investigation of a Drinking Water Watershed Protection Service - 2023 <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Increased public access to data, information and resources regarding private water systems Help public protect and understand drinking water systems (by encouraging data collection and monitoring) <p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> RDCK Watershed Governance Scoping Study Water Sustainability Act Drinking Water Protection Act <p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: A</p>
<p>ACTION Re-establish regional surface and ground water monitoring</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Working with Living Lakes on surface and ground water monitoring programs - 2023 <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Increased public access to data, information and resources regarding private water systems <p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: A</p>
<p>ACTION Build partnerships with First Nations</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Work with Yaqaan Nukiy on support watershed governance in Creston Valley-Yaqaan Nukiy?amak?is Work with Sinixt-Colville Confederated Tribes and Syilx-Okanagan Nation Alliance in creating the Slocan Lake and River Partnership <p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Build government to government relationships Learn Indigenous ways of being Learn about Indigenous led watershed governance systems <p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: A</p>

OBJECTIVES

Focus on water protection as well as watershed landscape planning

<p>ACTION Develop Source Water Protection Plans (SWPPs)</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Establish collaborative decision making conditions through the WGI then explore individual SWPPs - On-Going
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Help to ensure long-term regional water supply resiliency Decreased water contamination and watershed degradation
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> Okanagan Water Board - Source Water Protection Toolkit
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: A</p>

OBJECTIVES

Undertake and complete capital infrastructure upgrades to address system leakage, storage capacity, and water quality concerns

<p>ACTION Arrow Lakes Facility upgrade to improve energy efficiency</p> <p>TIMELINE 2023-2024</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Cost benefit analysis for fuel options - 2023
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Decreased costs and emissions
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> Better Building Policy
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M</p>

<p>ACTION Mainline Replacements</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> Pursue funding - On-Going Build climate lens and carbon pollution into grant applications - 2023 (work on language)
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> Decreased leakages, lowered rates Help avoid water shortages
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> Mainline replacement Universal metering implementation
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>

OBJECTIVES

Improve management of RDCK systems to prepare for the impacts of climate change

<p>ACTION Increase level of monitoring on RDCK water systems</p> <p>TIMELINE 2023</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • WGI Phase 3 - 2023-2024 • Consider partnering with agricultural industry/farmers on watershed/supply monitoring and data collection efforts - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Increased data availability
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: A</p>
<p>ACTION Implement Leak Detection System</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Need and priority assessment for each RDCK water system - 2023 • Flow & consumption analysis & field work to find leaks - 2023-2024
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Identify leaks
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Leak Detection Strategy
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>
<p>ACTION Implement Metering Implementation Strategy</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Need and priority assessment for each RDCK water system - 2023-2024 • Implement metering in Erickson (funding for 100 meters) - 2023-2024 • Advocate for metering of all RDCK water systems (universal metering) - 2030
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Identify worst offenders • Increased costs for some users? • Decreased unregulated water use • Help avoid water shortages
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Metering Implementation Strategy
	<p>CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A</p>



▶ GOAL

Reduce the risk of wildfire within the wildland urban interface (WUI) throughout the region, by increasing community fire-resiliency to adapt to more frequent and intense wildfires.

▶ OBJECTIVES

Increase participation in FireSmart Program (number of neighbourhoods in Neighbourhood Recognition Program and number of Home Partner Program assessments and certifications)

ACTION Increase the number of FireSmart Home Partners Home Program (HPP) Assessments	NEXT STEPS <ul style="list-style-type: none"> Promote and provide easy access and education on the FireSmart program and its benefits (300 per year) Continue incentivizing uptake of the FireSmart program
	BENEFITS & CONSEQUENCES <ul style="list-style-type: none"> Improved community fire resiliency, reduced risk of forest fires starting from urban ignition
TIMELINE On-Going	POLICIES, RESOURCES, TOOLS <ul style="list-style-type: none"> FireSmart Program Community Wildfire Protection Plan (CWPP's) Community Wildfire Resiliency Plans (CWRPs)
	CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A

ACTION Increase the number of FireSmart Neighbourhoods that participate in the FireSmart Neighbourhood Recognition Program	NEXT STEPS <ul style="list-style-type: none"> Promote and provide easy access and education on the FireSmart program and its benefits Continue incentivizing uptake of the FireSmart program
	BENEFITS & CONSEQUENCES <ul style="list-style-type: none"> Improved community fire resiliency, reduced risk of forest fires starting from urban ignition
TIMELINE On-Going	POLICIES, RESOURCES, TOOLS <ul style="list-style-type: none"> FireSmart Program
	CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A

ACTION Increase the number of FireSmart HPP certifications	NEXT STEPS <ul style="list-style-type: none"> Promote and provide easy access and education on the FireSmart program and its benefits Continue incentivizing uptake of the FireSmart program
	BENEFITS & CONSEQUENCES <ul style="list-style-type: none"> Improved community fire resiliency, reduced risk of forest fires starting from urban ignition Increase likelihood of insurance policy reductions or incentives
TIMELINE On-Going	POLICIES, RESOURCES, TOOLS <ul style="list-style-type: none"> FireSmart Program
	CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: M & A

▶ OBJECTIVES

Incorporate wildfire adaptation measures through building and land planning management to reduce wildfire risk

<p>ACTION Incorporate Wildfire Develop Permit Areas into all Official Community Plans</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Develop engagement & communication strategy for DPA - 2022-2023 • Provide education and support around procurement of appropriate building materials to contractors, suppliers, homeowners - 2022-2023 • Work with elected officials to add DPA to OCPs prior to renewals - On-Going • Add DPA to Community Wildfire Resilience Plans- On-Going • Lobby insurance companies regarding building materials - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • DPA -encourages appropriate siding/materials (upstream action), landscaping choices and location of structures
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • DPA's • OCP's • CWRP's
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M & A</p>

▶ OBJECTIVES

Adapt to increasing wildfire risk through emergency preparedness efforts

<p>ACTION NEW Help prepare the agricultural sector for wildfire emergency situations</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Promote & distribute agricultural wildfire preparedness guide/resources - 2023-2026 • Encourage all farms to have wildfire preparedness plans (Provincial program) - 2023-2026 • Ensure relevant info shared with response agencies (contact info, maps, equipment list) - 2023 • Offer specified Farm and Ranch Critical Infrastructure FireSmart Assessments
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: A</p>

▶ OBJECTIVES

Mitigate and adapt to wildfire risk by creating fuel-breaks around at-risk communities

<p>ACTION Coordinate landscape level fuel-treatment efforts</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Establish and support community FireSmart resiliency committees (regional started, work towards expanding the number of subregional committees) and coordinate between committee levels - On-Going • Develop centralized database for landscape fuel treatments - 2023-2026 • Explore development of Forest Landscape Plans to replace Forest Stewardship Plans – gives control to community & First Nations - 2023-2026 • Partner with First Nations, licensees, land managers, etc. (assess current state/model future progressions eg. timber value, water quality) - On-Going • Explore adding staff/capacity for landscape-level planning (assess conditions) leverage committees to identify workplans for subregions - 2023-2026 • Explore alternative partnerships on fire-mitigation efforts and achieved co-benefits (eg. Fortis BC, BC Hydro, farms/agriculture, etc.) - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • More effective approach to wildfire mitigation efforts and consistent data to base future decisions upon
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Community Wildfire Protection Plan (CWPP's) • Community Wildfire Resiliency Plans (CWRPs)
	<p>CONTROL /INFLUENCE: Control & influence MITIGATION /ADAPTION: M & A</p>

<p>ACTION Support/encourage better wildfire mitigation practices (excavator use, improved mechanization, fibre utilization), and explore novel/alternative fuel mitigation methods through studies and pilots</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Investigate best practices including historic & current indigenous practices - On-Going • Provide education on best practices (or benefits/limitations of various practices/fuel mitigation methods) - 2023-2026 • Investigate chipping services funding/promotion program - 2024 • Consider the findings of FP Innovations' study in Rossland regarding Hugelkultur methods - 2023 • Explore agricultural fuel-mitigation techniques (eg. pilot alternate grazing options), and develop tools/resources to support fuel management on farms and crown land with range tenures (incentives/funding, farm assessments) - 2022-2030
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Improved fuel mitigation practices
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Neighbourhood Emergency Preparedness Program • RDCO / City of Kelowna has a free woodchipping service for wildfire interface areas - woodchipping as opposed to burning helps maintain air quality
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M & A</p>



FLOODS & GEOHAZARDS

▶ GOAL

Reduced community vulnerability through supporting and promoting emergency preparedness, risk assessments, and assessing infrastructure opportunities for adaptation against increased flooding and geohazard events

▶ OBJECTIVES

Increase emergency preparedness and resilience of communities

ACTION

Enhance the Neighbourhood Emergency Preparedness Program (NEPP)

TIMELINE

2023-2026

NEXT STEPS

- Consult and engage with participants to learn about best practices from them to refine and improve the NEPP
- Promote community involvement

BENEFITS & CONSEQUENCES

- Ensures that the NEPP process is effective and meets communities needs and realities

POLICIES, RESOURCES, TOOLS

- Neighbourhood Emergency Preparedness Program

CONTROL /INFLUENCE: Control

MITIGATION /ADAPTION: A

ACTION

NEW

Increase outreach and education focused on riparian management ecosystem and habitat protection

TIMELINE

2023-2026

NEXT STEPS

- Continue to support habitat conservation and education work with Friends of Kootenay Lake (podcasts) & Kootenay Conservation (eg. community workshops, conservation/sensitive habitat protection advocacy, etc.) - 2023
- Seek collaboration with community organizations on education and outreach efforts - On-Going
- Continue to support invasive species management with Central Kootenay Invasive Species Society - 2023-2026

BENEFITS & CONSEQUENCES

- Increased awareness and action around protection of sensitive habitat and species at risk

CONTROL /INFLUENCE: Control & Influence

MITIGATION /ADAPTION: A

▶ OBJECTIVES

Support communities in developing resilience to flood and geohazard risk

ACTION

NEW

Include NDMP Stream 1 findings in publicly available web map

TIMELINE

2025-2026

NEXT STEPS

- Monitor developments on Provincial flood mapping
- If Provincial product is not developed then create RDCK public map

CONTROL /INFLUENCE: Control

MITIGATION /ADAPTION: A

ACTION NEW Increase expertise regarding flood risk TIMELINE 2023-2026	NEXT STEPS <ul style="list-style-type: none"> • Build internal expertise and develop capacity of staff
	POLICIES, RESOURCES, TOOLS <ul style="list-style-type: none"> • National Disaster Mitigation Program (NDMP) • Neighbourhood Emergency Preparedness Program • Risk Tolerance Policy
	CONTROL /INFLUENCE: Influence MITIGATION /ADAPTION: A

▶ OBJECTIVES

Create risk reduction strategies for identified high risk areas

ACTION NEW Develop hazard-specific DPAs for flood-prone areas TIMELINE 2023-2026	NEXT STEPS <ul style="list-style-type: none"> • Consider combination Development Permits (risks - eg. steep slope, alternate exits, riparian protection) and pursue co-benefits
	POLICIES, RESOURCES, TOOLS <ul style="list-style-type: none"> • Flood & Steep Creek Geohazard Risk Prioritization (NDMP funded) • Risk reduction policies (bylaws, OCPs, development permit area (DPA))
	CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: A

▶ OBJECTIVES

Establish acceptable risk tolerance threshold for all areas in the RDCK

ACTION NEW Develop criteria for qualified professionals to determine what is 'safe' when developing hazard areas TIMELINE 2023-2024	NEXT STEPS <ul style="list-style-type: none"> • Secure grant funding - 2023 • Hire consultant to develop criteria for qualified professionals to determine what is 'safe' when developing hazard areas - 2023 • Seek Board approval - 2024
	CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: A

▶ OBJECTIVES

Consider flood and geohazard risk within the RDCK when making land use decisions

<p>ACTION Integrate RDCK Floodplain & Steep Creek Study results into policy then amend OCPs</p> <p>TIMELINE 2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Pursue/secure funds for consultant to do this – especially for steep creek development permits
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Protection of infrastructure, economy, and ecosystems • Improved public safety and wellbeing
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • RDCK Floodplain & Steep Creek Study • Risk reduction policies (bylaws, OCPs, development permit area (DPA))
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: A</p>

▶ OBJECTIVES

Develop the flood risk maps for high risk areas and continue to pursue funding for maps of other high hazard areas

<p>ACTION NEW Consider mapping more of the identified high risk areas (16 of 29 completed so far)</p> <p>TIMELINE 2025-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Advocate to the Province for additional mapping efforts (Province is already looking at this since the 2021 flooding event in the Fraser Valley and other areas) • Apply for additional funding when available to do more mapping
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Improved information for planning and development decisions
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Flood Risk Assessment Mapping and Mitigation Planning • Risk report policy document (when completed) • NSFPA mapping - older with more conservative risk levels identified
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: A</p>



LEADERSHIP & OPERATIONS

▶ GOAL

Incorporate a climate lens into all RDCK decision making and policies to demonstrate that the RDCK prioritizes climate action and adaptation

▶ OBJECTIVES

Develop and maintain robust carbon pollution and energy inventories to accurately inform decision makers and to track direct impacts and progress towards climate action targets

<p>ACTION Collect comprehensive and quality corporate and community energy/carbon pollution data and update on an annual basis</p> <p>TIMELINE 2023, 2024, 2025, 2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Use carbon pollution data from Portfolio Manager (corporate buildings), telematics and/or fuel consumption (corporate fleet), and landfills (community waste) to enhance data provided through annual Provincial CEEI updates - begin 2023 and update annually • Utilize the Fleet Assessment and EV Fleet Strategy to drive data collection on RDCK transportation-related emissions - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Track, evaluate, and maintain transparency on progress towards carbon pollution reduction targets, identify opportunities to drive carbon pollution reduction, align with requirements to secure LGCAP funding (and other funding opportunities)
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Provincial CEEI data (community building, transportation and landfill carbon pollution data)
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M</p>

<p>ACTION Integration of Finance department into reporting and tracking, and climate action planning</p> <p>TIMELINE 2023</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Integrate climate action into financial planning by 1) prioritizing mitigation capital projects, strategic plans and documents and 2) increasing operating budgets, to achieve climate & energy goals - 2023
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Clear communication to staff and the community that 1) much greater sustained progress on carbon pollution reductions is necessary, and 2) that much more ambitious actions on the climate should be taken at the local level,
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

▶ OBJECTIVES

Provide leadership and participate in multi-agency initiatives to accelerate climate action & mitigation efforts within the RDCK

<p>ACTION</p> <p>Collaborate with other agencies to determine common goals and work together</p> <p>TIMELINE</p> <p>2023-2030</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Explore climate action culture programs to facilitate inter-agency collaboration (eg. Tamarack Institute’s Climate Transitions Network)
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Risk of missing progressive targets and goals and the social & political repercussions of this, while still acting as regional climate leaders
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M & A</p>

▶ OBJECTIVES

Update and improve RDCK systems and guiding documents to better support and further climate actions and initiatives

<p>ACTION NEW</p> <p>Develop an Asset Management Plan for climate adaptation starting with an asset inventory while incorporating region specific climate projections and impacts</p> <p>TIMELINE</p> <p>2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Develop inventory of assets (Value Statement can be used as a facility inventory) - 2022 • Assess RDCK software needs and availability to support asset management planning and implementation - 2023 • Develop an Asset Management Plan (including an asset management system for all facility data) - 2023-2026 • Create an Asset Manager position to liaise between Finance and other departments regarding asset management - 2025-2026 • Integrate energy-efficiency considerations, based on emissions data, into an Asset Management Plan - 2024-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Helps the RDCK understand and better manage current assets and related decisions, and identify ways to improve decisions and operations to reduce climate impacts and improve sustainability
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Climate Adaptation Asset Management Training • 100% Renewable Energy Plan
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

<p>ACTION Redevelop the Purchasing Policy and integrate climate, sustainability and equity lens.</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Pursue Board direction for a review of the current Purchasing Policy - consideration of climate, sustainability and equity lens - 2023 • Hire Purchasing Agent to conduct this work - 2023-2024 • Enact local food procurement policies for all RDCK events and institutions that set and meet targets for local products - 2023-2024
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Purchasing Policy should reflect climate action goals including preference for local (low-carbon) food and other products, as well as promote ecological goods and services that compensate farmers who provide environmental services to the broader community through their stewardship practices
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: M</p>

<p>ACTION NEW</p> <p>Build in-house climate action expertise</p> <p>TIMELINE On-Going</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Work with leadership series to support internal capacity development - 2024 • Promote RDCK Climate Action commitments on all corporate materials - 2023 • Include climate action lens on Board reporting - 2023
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Builds in-house expertise on climate considerations • Helps support the development of internal climate-conscious culture • Maintain in-house expertise on key elements and opportunities that foster regional food security, including land availability, relevant zoning, electricity and water infrastructure to assist in the expansion of food production in the region
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

<p>ACTION</p> <p>Enhance Emergency Management Services</p> <p>TIMELINE 2023-2025</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Review Emergency Management Framework documents to guide the RDCK in preparing for, responding to and recovering from emergencies - 2023 • Develop an organizational Business Continuity Plan - 2024
	<p>CONTROL /INFLUENCE: Control & Influence MITIGATION /ADAPTION: A</p>

OBJECTIVES

Align decision making with the RDCK's carbon pollution targets in all areas (land use & planning, building construction, project management) and provide staff with resources to support climate targets and goals

<p>ACTION Provide support, education, and implementation of new climate action policies and guidelines</p> <p>TIMELINE 2023</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Develop an asset management system for all facility data - 2023-2026 • Integrate energy-efficiency considerations, based on emissions data, into an Asset Management Plan - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Helps to ensure that new policies are understood, adopted, and implemented effectively • Clear communication to staff and the community that 1) much greater sustained progress on reduction of carbon pollution is necessary, and 2) that much more ambitious actions on the climate should be taken at the local level
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Updated policies
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>
<p>ACTION Require all RDCK Board decisions to include an assessment of climate impacts (could leverage a carbon pricing policy if developed)</p> <p>TIMELINE 2023</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Review Board resolutions through a lens of climate action - 2023 • Include climate and energy considerations section in Board Report Template - 2023 • Coordinate across all departments and ensure that all relevant staff have the resources to coordinate, plan, implement and advance all initiatives necessary to achieve carbon pollution targets - On-Going
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Ensures that RDCK decisions and efforts contribute and align with adopted climate action targets and goals • Clear communication to staff and the community that 1) much greater sustained progress on reduction of carbon pollutions necessary, and 2) that much more ambitious actions on the climate should be taken at the local level, even if in the face of political challenges
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • Memo on Low Carbon Transportation Policy Draft
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

<p>ACTION NEW</p> <p>Review RDCK investment portfolio to be sure investments are divested from fossil fuel creators</p> <p>TIMELINE 2024-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Begin investment portfolio review – 2024 • Community investment through micro-loans – consider supporting community investment program (pay it forward) to purchase of energy saving technologies (heat pumps) or improvements (insulation) that are beyond household income (reference the Clean Foundation in Nova Scotia) - 2023-2030
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • This is a difficult one, but something that is commonly identified in action plans. The difficulty comes in for entities like the Municipal Pension Plan, where the local government has less influence and would likely amount to advocacy. Looking at direct RDCK investments through an Environmental, Social & Governance (ESG) lens is achievable though.
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M & A</p>

<p>ACTION</p> <p>Digitization of RDCK processes</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Minimizing paper collections through digitization - 2023-2026 • Digitization of Building Permit collection - 2023 • Develop effective and efficient digital workflows - 2023-2026 • Adopting tools and software to streamline our processes - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Reduction of carbon pollution and resource use (avoided employee, commercial, and public trips to sign and deliver paper documents) • Reduced resource-use and embodied carbon pollution tied to paper production, distribution, and consumption • Space used to store paper can be repurposed • Reduced energy and resource demand for printing/photocopying
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M</p>

<p>ACTION NEW</p> <p>Develop an internal carbon budgeting tool</p> <p>TIMELINE 2024-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Research, development, and training of/around carbon pricing consideration and tools (could include forecasted increases in carbon tax, estimated future social costs of carbon emissions, consideration of corporate/community carbon targets/budgets) -2024-2026 • Could be implemented as an exercise to improve internal understanding and capacity - 2023-2026
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Helps quantify the costs/benefits of climate efforts/initiatives in terms of their contribution to climate targets
	<p>POLICIES, RESOURCES, TOOLS</p> <ul style="list-style-type: none"> • City of Vancouver • City of Kamloops
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M</p>

<p>ACTION NEW</p> <p>Develop a Trip Avoidance Policy</p> <p>TIMELINE 2023-2026</p>	<p>NEXT STEPS</p> <ul style="list-style-type: none"> • Consider how to reduce travel kilometres amongst staff and transform eg. trees could be planted in the region to offset carbon pollution from commuter travel (also integrated into Transportation Pathway) - 2023-2024
	<p>BENEFITS & CONSEQUENCES</p> <ul style="list-style-type: none"> • Remote working policies as a climate change strategy that is rurally focused, recognizing that the RDCK has a large sparse geography
	<p>CONTROL /INFLUENCE: Control MITIGATION /ADAPTION: M</p>