Community Need
2022 Summary

CRD
Making a difference...together

Climate Action & Adaptation

Strategy

Target Outcome
We envision reduced greenhouse gas emissions, triple-bottom-line solutions and progress on adaptation

Strategic Context

Strategies

- Corporate Climate Action Strategy
- Regional Climate Action Strategy
- Regional Growth Strategy
- Regional Water Supply Strategic Plan
- Special Task Force on First Nations Relations
- Statement of Reconciliation
- Solid Waste Management Plan

Trends, risks and issues

- Climate is changing, which will result in various regional impacts to human health, water supply and demand, rainwater and coastal storm management, transportation networks, ecosystems and species, buildings, infrastructure and energy systems, tourism and recreation, and food and agriculture
- Climate action is a shared responsibility and the regional government has a limited role focused on research, education and outreach, facilitation, regional program delivery, and managing emissions and adaptation within its own service delivery.
- The Board has declared a Climate Emergency in February 2019 and tasked staff with developing a comprehensive response. The revised Climate Action Strategy, presented to the Environmental Services Committee in September, aligns corporate and regional actions with senior levels of government and local government coordination to meet climate action targets over the next five years. To support the Climate Action Strategy, service levels are proposed to be adjusted through the new initiatives and focused in key areas (EV charging, residential retrofit) along with corporate energy management.
- There was a 1% reduction in the overall regional greenhouse gas emissions (GHG) reductions between 2007 and 2018, equivalent to 14% reduction per capita. CRD will not achieve 2020 GHG reduction targets. Population growth and concurrent economic growth will continue to add emissions as the region transitions to a reduced dependence on fossil fuels.
- There was a 6% increase in corporate GHG reductions between 2007 and 2020. CRD did not achieve the 2020 GHG reduction target of 33% reduction from 2007. With the onboarding of the Mcloughlin Point Wastewater Treatment Plant, the CRD will need to continue to sustain efforts and investment in GHG reduction initiatives to achieve future targets.

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Services

Core Services Levels	
Service	**Levels**
Community Climate Action To support and align regional climate action efforts with local governments related to strategies, policies and programs, and liaising and coordinating information and efforts with senior levels of government. Provide climate data and indicators, public education and community programming.	• Advance regional and climate mitigation and adaptation goals. • Lead regional-scale community initiatives and research activities. Pursue grants for regional programming. • Facilitate regional coordination, knowledge sharing, capacity building and advocacy. ↪ Service level adjusted, see IBCs 5a-1.2—6; note that the current service is constrained by max. requisition so bylaw amendment required
Corporate Climate Action CRD services will embed climate action within their own service delivery with support from Climate Action program staff. The program will support the organization with its corporate climate goals/commitments, develop and monitor corporate policies related to climate action, undertake annual reporting, support corporate building and fleet emission reduction and climate preparedness initiatives.	• Development of corporate climate action policy related to corporate fleet, buildings and other capital projects. ↪ Service level adjusted, see IBCs 5a-1.5—6 • Develop and monitor corporate climate action plans and strategies. • Complete annual reporting.
Support Services The core services listed rely on the support of several corporate and support divisions to effectively operate on a daily basis. These services are reported on in the Accountability Community Need Summary.	• Services include Asset Management, Facility Management, Financial Services, Information Technology & GIS, Information Services, Human Resources & Corporate Safety, Corporate Communications, Legislative Services, Legal Services, Risk & Insurance and Real Estate Services.

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Initiatives					
The costs highlighted in this table are annualized programming costs which include costs associated with staffing, contracting and grants for distribution.					
Ref	Initiative	Description	Year(s)	2022 impacts	
5a-1.2	Community Energy Specialist	Convert existing position to maintain existing service level for partners	2022+	1.0 FTE converted	$135K requisition, + grants
5a-1.3	Regional Building Energy Retrofit Program	Development, administration and implementation of a retrofit program	2022-2026	+0.5 FTE Term	$603K requisition, + grants
5a-1.4	Public EV Coordinator	Implementation of the Capital Region EV Roadmap to increase EV adoption	2022-2025	+0.5 FTE Term	$247K requisition, + grants
5a-1.5	Corporate Climate Action Reserve Fund increase	Increase funding to make up for loss of grant funding	2022+	-	$65K requisition (from Leg and Gen)
5a-1.6	Corporate Energy Key Project Manager	Create new role to coordinate organization-wide approach to energy management in buildings, fleet and infrastructure	2022+	+1.0 FTE ongoing	$142K requisition (from Leg and Gen)

Business Model

Funding
Who contributes • All municipalities & Electoral Areas participate in these services. • Support Services: varies per service **Funding Sources** • Requisitions and grants

Reporting Structure
• Environmental Services Committee

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Performance			
Definition and Source	**2020 Actual**	**2021 Forecast**	**2022 Target**
Metric 1: Community GHG Emissions – target to decrease community GHG emissions by 33% from 2007 levels by 2020 and 61% by 2038. Tonnes of CO_2 emissions generated by community activities; data from Regional GHG Inventory Study (Stantec, 2020)	TBC Fall 2021	TBC Fall 2021	Status quo
Metric 2: Corporate GHG Emissions – target to decrease corporate GHG emissions by 33% from 2007 levels by 2020. Tonnes of CO_2 emissions generated by CRD operations; data from CRD 2019 Climate Action Annual Report *McLoughlin WWTP	2,510 tCO2e (10% reduction from 2007)	2,700[*]	TBC Fall 2021
Discussion			

Link to Target Outcome

The metrics included provide community and corporate GHG reduction results.

Discussion

- Metric 1: Includes emissions sources such as stationary energy, transportation, waste, industrial process and product use, agriculture, forestry and other land use.
- Metric 2: Target to decrease tonnes of C02e Corporate GHG emissions by 45% from 2007 levels by 2030. The 2030 target will be confirmed in the renewed Climate Action Strategy (fall 2021).