

Community Need

2023 Summary



Climate Action & Adaptation

Strategy

Target Outcome

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

Strategic Context

Strategies

- [Climate Action Strategy](#)
- [Regional Growth Strategy](#)
- [Regional Water Supply Strategic Plan](#)
- [Regional Parks Strategic Plan 2022-2032](#)
- [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 declared a Climate Emergency in February 2019 and approved a renewed Climate Action Strategy in late 2021. This aligns corporate and regional actions with senior levels of government and local government coordination to meet climate action targets over the next five years.
- CRD Climate Action service levels were increased in 2022 to focus in key areas (EV charging, residential retrofit) along with corporate energy management.
- There was a 9.8% reduction in the overall regional greenhouse gas emissions (GHG) reductions between 2007 and 2020 (equivalent to 24% reduction per capita), and 5.2% reduction between 2018 and 2020 in part due to COVID-19 pandemic response. 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 28% increase in corporate GHG emissions between 2007 and 2021. With increases in service levels and associated infrastructure, the CRD will need to sustain efforts and investment in GHG reduction initiatives to achieve future targets. The Green Fleet policy adopted in 2021 targets the purchase of zero emission vehicles corporately, and other pending policy initiatives target low carbon building systems and capital expenditures more generally are examples of the sustained effort.

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Services

Core Services Levels	
Service	Levels
<p>Community Climate Action</p> <p>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 execute community programs.</p>	<ul style="list-style-type: none"> • Advance regional and climate mitigation and adaptation goals. • Lead regional-scale community initiatives and research activities. Pursue grants for regional programs and infrastructure. • Facilitate regional coordination, knowledge sharing, capacity building, policy development and advocacy. • Service levels increased in 2022 with focus on electric vehicle charging and residential retrofit.
<p>Corporate Climate Action</p> <p>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.</p>	<ul style="list-style-type: none"> • Develop and monitor corporate climate action activities, policies and strategies. • Facilitate internal coordination, knowledge sharing, capacity building and project identification and execution. Pursue grants for corporate projects. • Complete annual reporting.
<p>Support Services</p> <p>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.</p>	<ul style="list-style-type: none"> • 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.

Initiatives

No new initiatives proposed for 2023.

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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](#)

Performance

Definition and Source	2021 Actual	2022 Forecast	2023 Target
<p>Metric 1: Community Greenhouse Gas (GHG) Emissions – target to decrease community GHG emissions by 33% from 2007 levels by 2020 and 61% by 2038.</p> <p>Tonnes of CO₂ emissions generated by community activities; data from Regional GHG Inventory Study (Stantec, 2021)</p>	1.8m t CO ₂ e	TBC (fall 2023)	n/a
<p>Metric 2: Corporate GHG Emissions – target to decrease corporate GHG emissions by 45% from 2007 levels by 2030 and net-zero by 2050.</p> <p>Tonnes of CO₂ emissions generated by CRD operations; data from CRD 2021 Climate Action Annual Report</p>	3,834 t CO ₂ e	3,834 t CO ₂ e	3,674 t CO ₂ e

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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. Inventories completed every 2 years. Next inventory due late 2023 for year 2022.
- Metric 2: Does not include waste processing emissions from Hartland Landfill nor Capital Region Housing Corporation. The 2023 drop in emissions is expected thanks to the Green Fleet policy which enabled the purchase of EVs when they have demonstrated a lower total cost of ownership.

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Initiative Progress Report



Climate Action & Adaptation

Initiatives approved in 2020, 2021 & 2022			
Ref	Initiative	% complete	Progress to date
5a-1	Climate Emergency Response	100%	Lead: Climate Action Program (2020 & 2021) Completed – renewed CRD Climate Action Strategy approved by CRD Board.
5a-1.2	Community Energy Specialist	100%	Lead: Climate Action Program (2022) Completed – position has been filled.
5a-1.3	Regional Building Energy Retrofit Program	50%	Lead: Climate Action Program (2022) Progressing – contracting with third party delivery agent in progress with program launch anticipated fall 2022.
5a-1.4	Public EV Coordinator	100%	Lead: Climate Action Program (2022) Progressing – position has been filled.
5a-1.5	Corporate Climate Action Reserve Fund Increase	100%	Lead: Climate Action Program (2022) Completed
5a-1.6	Corporate Energy Key Project Manager	100%	Lead: Climate Action Program (2022) Completed – position has been filled.
5a-2	Collaborate with local governments	100%	Lead: Climate Action Program (2020) Part of core services – work ongoing on inter-municipal working groups and projects.
5a-3	Model Bylaws	100%	Lead: Climate Action Program (2020) Part of core services – Provide policy guidance and regional coordination support.
5a-4	Facilitate networks	100%	Lead: Climate Action Program (2020) Part of core services – Administering Climate Action Inter-Municipal Task Force and Working Group. Participating in BC Hydro Community Energy Manager's Network (as per two year staff support grant).
5a-5	Create partnerships	100%	Lead: Climate Action Program (2020) Part of core services.
5b-1	Reduce Corporate Emissions	100%	Lead: Climate Action Program (2020) Completed – Developed new corporate green fleet policy and green buildings policy.

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Initiative Progress Report

Initiatives approved in 2020, 2021 & 2022			
Ref	Initiative	% complete	Progress to date
5b-2	Landfill Gas Usage	25%	Lead: Environmental Resource Management (2020) Progressing – the CRD has issued a Request for Proposals for the construction and operation of a new Renewable Natural Gas processing facility. Decision will come for Board approval in fall 2022.
5b-4	GHG Reduction through Alternative Fuel	N/A	Lead: Climate Action Program (2020) Cancelled – Fortis (RNG) alternate fuel not available.
5c-1	Regional Sea Level Rise	100%	Lead: Climate Action Program (2020) Completed
5c-2	Regional Climate Action Strategy	100%	Lead: Climate Action Program (2020) Completed – in support of with 5a-1.