



# Regional Board Report

**TO:** Regional Board

**FROM:** David Komaike  
Director of Engineering Services

**DATE:** October 25<sup>th</sup>, 2021

**SUBJECT:** 2020 CARIP Climate Action/GHG Emissions Summary Public Report

**Voting Entitlement:** *All Directors – Unweighted Corporate Vote – Simple Majority – LGA s.208*

---

**Purpose:** To present the 2020 Climate Action Revenue Incentive Program Report and review the 2020 Greenhouse Gas Emissions Summary.

## **Executive Summary:**

The Regional District of Central Okanagan has completed the 2020 Climate Action Revenue Incentive Program (CARIP) Public Report and the 2020 Greenhouse Gas Emissions Summary as required by the Province of British Columbia.

The CARIP report summarizes the actions taken in 2020 by the Regional District to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG). The report also documents local government progress towards achieving carbon neutrality.

In 2020, the Regional District of Central Okanagan (RDCO) undertook both community-wide and corporate actions to support the creation of compact, complete, and energy-efficient communities. The actions taken have been itemized as per the 2020 British Columbia Provincial CARIP Survey Template under the following categories:

- Broad Planning,
- Building and Lighting,
- Energy Generation,
- Greenspace/Natural Resource Protection,
- Solid Waste,
- Transportation,
- Water and Wastewater, and
- Climate Change Adaptation

**RECOMMENDATION:**

**THAT** the Regional Board receive the 2020 Climate Action Revenue Incentive Program Report and the 2020 Greenhouse Gas Emission Summary report dated October 25, 2021 for information.

Respectfully Submitted:



David Komaike  
Director of Engineering Services

Approved for Board's Consideration



Brian Reardon, CAO

*Prepared by: Divya Gupta, Senior Energy Specialist*

Attachment(s):

- 2020 CARIP Climate Action Revenue Incentive Program Public Report
- 2020 BC Traditional Service GHG Inventory (RDCO)

---

**Implications of Recommendation:**

Strategic Plan: The RDCO Regional Board Strategic Priorities 2019-2022. Align with the B.C. Climate Action Charter and the Climate Action Revenue Incentive Program objectives.

Legal/Statutory Authority: The report aligns with the reporting requirements under the B.C. Climate Action Charter and the Climate Action Revenue Incentive Program.

---

**Background:**

The B.C. Climate Action Charter (Charter) is a voluntary agreement between the Province of British Columbia, the Union of British Columbia Municipalities, and each local government signatory. The Charter was launched at the 2007 UBCM Convention; since then, most local governments in B.C. have become signatories.

The overarching goal of the Charter is to take collaborative action on climate change by promoting the reduction of greenhouse gasses emitted in the provision of local government services. Charter signatories are eligible to participate in the Climate Action Revenue Incentive Program (CARIP).

CARIP is a conditional grant program that provides funding to local governments equal to 100% of the carbon taxes they pay directly in the provision of services. The goal of CARIP is to help local governments achieve carbon neutrality. Participating local governments are obligated to

report their progress towards carbon neutrality to the public annually. Local governments are also required to:

- Work towards carbon neutrality in their corporate operations (service delivery).
- Measure and report on their community greenhouse gas emissions profile.
- Create complete compact, energy-efficient rural and urban communities; and
- Report associated emissions and program data to the public and the province annually.

The Regional District of Central Okanagan (RDCO) is a signatory of the B.C. Climate Action Charter, and therefore, eligible to apply for a grant under the program. The RDCO is committed to making progress in lowering greenhouse gas emissions and has consistently reported progress towards carbon neutrality since becoming a signatory of the Charter. The attached *2020 Climate Action Revenue Incentive Program (CARIP) Survey* outlines specific actions taken by Regional District in 2020 to support progress towards carbon neutrality.

The following summarizes corporate and community-wide actions taking to support the reduction of GHG emissions by the RDCO. Further actions and details have been included in the attached 2020 CARIP Survey.

### Corporate Actions

#### Corporate Action #1

Strategic Planning:

The new Regional Board Strategic Priorities 2019-2022 provide high-level guidance for corporate activities including efforts to reduce our environmental footprint, adapt to climate change and connect with nature.

#### Corporate Action #2

Continuation of Reduction Activities: The continuation of planning, collaboration, and information sharing to promote the overall reduction of corporate GHG emissions. Of note, in 2020, are actions taken in the Broad Planning, Greenspace/Natural Resource Protection, and Solid Waste categories.

#### Corporate Action #3

Infrastructure (Asset) Renewal: The continuation of infrastructure and asset renewal with energy-efficient and climate change resilient alternatives. Infrastructure, replaced as a result of flooding events, has been adapted to take climate change and extreme weather into account.

### Community-Wide Actions

#### Community-Wide Action #1

Strategic Planning:

Composition of the Regional Board Strategic Priorities (2019-2022), which provide high-level guidance for corporate involvement in community-wide activities, including the promotion of transportation and land use approaches that enhance movement throughout the region and reduce our collective reliance on vehicles. And protection of core natural habitat in parks

through good management and planning. Also, plan asset renewal of buildings and structures to include energy efficiencies and green alternatives.

### Community-Wide Action #2

Inter-regional Collaboration in Climate Action Planning:

Collaborated with the Regional District of North Okanagan and the Regional District of Okanagan-Similkameen, together with the Pacific Climate Impacts Consortium and Pinna Sustainability, to develop a Climate Projections Report that offers science-based information on how the Okanagan's climate is projected to change. The intent of this report is to enable community leaders and local decision makers to explore how, together, we can prepare the Okanagan for the inter-related impacts facing our region.

### Community-Wide Action #3

Inter-organizational Collaboration

The UBC Okanagan & Regional District of Central Okanagan NSERC Collaborative Research Development Partnership. The research hopes to solve challenges associated with Biosolids, which are a byproduct of the wastewater process and can be applied in agricultural operations.

## Greenhouse Gas Emissions Summary – B.C. Traditional Services GHG Inventory Report

The Greenhouse Gas Emissions Summary details the source of the Regional District of Central Okanagan emissions in 2020. This includes:

- Conventional Fuel Consumption (diesel, gasoline, and propane),
- Natural Gas Consumption, and
- Electrical Consumption.

2018 Emission details based on individual service activity (highest to lowest):

- Sewer Systems	(27.9%)
- Contractors above 25K*	(25.2%)
- Fleet Services	(20%)
- Solid Waste Collection*	(11%)
- Corporate Services – Facilities	(5.94%)
- Other fuels	(3.88%)
- Parks Services – Facilities	(2.12%)
- Water Systems	(1.91%)
- Fire & Protective Services	(0.990685%)
- Recreation	(0.889506%)
- Reimbursed Travel for core Services	(0.530846%)
- Temporary Accounts	(0.088724%)

In 2020 the Regional District of Central Okanagan reported a total TSI GHG Inventory of **1,401 tonnes of CO<sub>2</sub>e**.

\* Contractors above 25K are service delivery contracts that cost over \$25,000 annually. Most of the emissions from contractor services pertain to solid waste collection/transfer and wastewater biosolids transfer.

**Financial Considerations:**

In 2020 the Regional District of Central Okanagan paid a total of \$28,060 in carbon tax. 2020 is the last year of the CARIP Program.

***Considerations not applicable to this report:***

- Policy
- General
- Organizational