

ROYAL BRITISH COLUMBIA MUSEUM CORPORATION 2022 PSO CLIMATE CHANGE ACCOUNTABILITY REPORT

Title: 2022 PSO Climate Change Accountability Report

Organization: *Royal British Columbia Museum Corporation*

PART 1. Legislative Reporting Requirements

Declaration statement: This PSO Climate Change Accountability Report for the period January 1, 2022 to December 31, 2022 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2022 to minimize our GHG emissions, and our plans to continue reducing emissions in 2023 and beyond.

Emission Reductions: Actions & Plans

A. Stationary Sources (e.g. buildings, power generation)

In 2022, the Royal BC Museum Corporation continued our commitment to reducing GHG emissions and our overall carbon footprint in our facility. Our building's preventative maintenance program includes routine maintenance and ongoing monitoring/data analysis of our HVAC units through DDC, ensuring optimal, efficient operation of our systems.

Light bulbs and fixtures in all areas of the building are replaced with high efficiency, LED bulbs whenever possible, and we use post-consumer/recycled hygiene and paper products in our washrooms and work spaces.

Conservation is a concept that is engrained in us by the very nature of our institution and the work that we do here. As such, our staff are mindful of minimizing their energy usage through practices like turning out lights and office equipment in unoccupied spaces.

We have seen a 16% increase in GHG emissions from 2021 as we returned to regular operations and staffing levels, but we will continue to operate with our existing practices and culture of reduced consumption, sustainability, and environmental stewardship.

B. Mobile Sources (e.g. fleet vehicles, off-road/portable equipment)

Over the course of this reporting year, the Royal British Columbia Museum Corporation saw a 34% decrease in mobile fuel consumption from 2021 despite no changes to our vehicle fleet. One cargo van was shared between multiple departments on an as-needed basis for transportation of supplies and equipment.

As our needs change in the coming years, we may require additional vehicles for our fleet in the future. Fuel efficiency and EV technology would be at the top of our priorities for selecting any vehicle for our fleet.

C. Paper Consumption

Meeting agendas, documents, staff distribution and correspondence are all predominately paperless. We purchase only recycled, post-consumer paper products such as [Boise ASPEN 100](#) for our printers and copiers, and as such, our paper consumption contributes to less than 1% of our overall GHG emissions.

We will continue to purchase recycled printing materials and encourage paperless alternatives whenever possible.

2022 GHG Emissions and Offsets Summary Table


Royal British Columbia Museum Corporation 2022 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2022	
Total BioCO ₂	0.36921
Total Emissions (tCO ₂ e)	90.6
Total Offsets (tCO ₂ e)	90.3
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	0
Grand Total Offsets for the 2022 Reporting Year	
Grand Total Offsets to be Retired for 2022 Reporting Year (tCO ₂ e)	90
Offset Investment (\$)	90 x \$25 = \$2,250

- i. [Note, BioCO₂ is included in Total Emissions but not Total Offsets. For K-12 and Post-Secondary organizations, and BC Transit, Total Offsets might not equal Total Emissions minus Total BioCO₂ because offset exempt emissions for buses are included within Total Emissions.]
- ii. Emissions and offset investment amounts will be validated by CAS prior to distributing invoices.
- iii. You must round "Grand Total Offsets to be Retired" to a whole number (no decimal places) before multiplying by \$25 (e.g., 43.2 is rounded to 43, while 43.5 is rounded 44).]

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, Royal British Columbia Museum Corporation (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2022 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy (**the Ministry**) ensuring that these offsets are retired on the Organization's behalf, the Organization will pay within 30 days, the associated invoice to be issued by the Ministry in an amount equal to \$25 per tonne of offsets retired on its behalf plus GST.

Executive Sign-off:

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Signature Date May 30 23

Alvira Dubois _____
Name (please print) Title CEO

[Please email your signed report to Carbon.Neutral@gov.bc.ca by no later than May 31, 2023.]