

SMALL EMITTERS FORM

A. Please fill in the required information below

Organization Name:

Royal British Columbia Museum Corporation

Contact name & title:

Pamela Lowings, Project Director and
Head of Property Management

<i>Royal BC Museum Corporation GHG Emissions and Offsets for 2019</i>	
As per the Directive issued March 31, 2020, each PSO will use their 2018 GHG Emissions as a placeholder for the purposes of their 2019 CNAR.	
Total Emissions (tCO ₂ e)	79.51
Total BioCO ₂	0.31252
Total Offsets (tCO ₂ e)	79
Offset Investment (\$25 per tCO ₂ e)	\$1,975.00

B. To enable comparisons with all B.C. public sector organizations, please provide the following data for your organization:

1. How many Full Time Equivalent (FTE) employees were part of your organization as of December 31, 2019? **117 FTE's and approximately 600 volunteers**
2. What was the total amount of floorspace (m²) in your organization (including occupied and unoccupied space, owned or leased) as of December 31, 2019? **Approximately ~29,000 m2 of owned space(m²) and ~1258 space (m2) of leased warehouse space**
3. What was the primary use of that space (office, education, warehousing, health services, lodging, arts and recreation, other)? **Museum and Archives – housing artifact and archival collections for the Province of BC; displaying exhibitions to engage and educate visitors; Archives reference room and office space for staff.**



4. How many motor vehicles did your organization own or lease as of December 31, 2019? One (owned) – extended cargo van.

C. Briefly describe the top three actions taken by your organization in 2019 to reduce GHG emissions and/or improve sustainability from its operations:

Action
<p>1.</p> <p>Continued to use Verdiem IT Energy Management software that was previously installed for 240 personal computers, resulting in an energy reduction of 56.81%.</p> <p>Cost Savings - \$2,687.12 CAD</p> <p>Energy Savings – 53,742.39 kWh</p> <p>CO2 Savings – 132,785.07 Pounds</p> <p>Fuel Savings – 104,089.77 Gallons</p> <p>Trees Carbon Sequestration - 1898</p> <p>Cars off Road for One Year – 14</p>
<p>2.</p> <p>Participated in the Continuous Optimization Program (C.Op) Round2 with BC Hydro and our Energy Management Consultant to continue to reduce our energy consumption. Throughout 2019 we completed our implementations of recommended actions to focus on improvements to the buildings Heating Ventilation Air Conditioning (HVAC) programs and will report out on savings in 2020.</p>
<p>3.</p> <p>We display our Real Time Energy Consumption on a dashboard for public viewing – to show our ongoing energy consumption and to educate/engage visitors on what we are doing.</p>



D. Briefly describe plans your organization has for continuing to reduce your GHG emissions in future years:

Continue current practices to conserve energy, water consumption and working with staff to minimize energy usage.

Continue to work with our Energy Management Consultant to maintain the performance of the conservation measures implemented as part of the BC Hydro Optimization Program and attempt to continue to improve the energy performance of the buildings.

As noted above, we were previously accepted into round #2 of the BC Hydro Continuous Optimization Program. Throughout fiscal year 2019/20 we will continue to work with our Energy Management Consultant and our software vendor to implement and improve the energy reductions and recommendations made by our Energy Management Consultant.

E. Describe any actions your organization took during 2019 to strengthen its ability to manage the likely effects of climate change in the coming years and decades (e.g., have assessed whether increased frequency of extreme weather events and/or long-term changes in climate will affect your organization's infrastructure, its employees and/or its clients.)

As part of our ongoing Collection Risk Assessment, sea level rise was factored in over 100 year period and mitigation plans are being subsequently reviewed and updated, including storm and flooding impacts.

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, the Royal BC Museum is responsible for arranging for the retirement of the offsets obligation reported above for the 2019 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 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

Signature		Date	15.05.20
Professor Jack Lohman		CEO	
Name (please print)		Title	

Please scan and email the completed form to Carbon.Neutral@gov.bc.ca