

## 2015 CARBON NEUTRAL ACTION REPORT – SMALL EMITTERS FORM

**DUE: May 31, 2016**

This form is for the use of BC Public Sector Organizations whose GHG emissions were less than 600 tonnes CO<sub>2</sub>e during the previous reporting year. Please fill in the required information below:

**Organization Name:**

Royal BC Museum Corporation

**Contact name:**

Pam Lowings

<b>GHG Emissions and Offsets for 2015 (TCO2E)</b>	
<b>GHG Emissions created in Calendar Year 2015</b> (from SMARTTool Homepage):	
Total Emissions (tCO <sub>2</sub> e)	76
Total Offsets (tCO <sub>2</sub> e)	75
<b>Adjustments to GHG Emissions Reported in Prior Years</b> (from SMARTTool Homepage):	
Total Emissions (tCO <sub>2</sub> e)	0
Total Offsets (tCO <sub>2</sub> e)	0
<b>Grand Total Offsets for the 2015 Reporting Year</b> (from SMARTTool Homepage): (This is the total emissions that must be offset for Reporting Year 2015)	
Grand Total Offsets (tCO <sub>2</sub> e)	75

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 Dec 31, 2015?: 115
2. Crowns & Health Authorities only: What was the total amount of floorspace (m<sup>2</sup>) in your organization (including occupied and unoccupied space, owned or leased) as of Dec 31, 2015: 29,000 m<sup>2</sup> of owned space and 1258 m<sup>2</sup> of leased warehouse space.
3. What was the primary use of that space (office, education, warehousing, health services, lodging, arts and recreation, other)?: Housing artifact and archival collections for the Province of BC, displaying exhibitions to engage and educate visitors, Archives reference room and office space.
4. How many motor vehicles did your organization own or lease as of Dec 31, 2015?: One

List the top three actions taken by your organization in 2015 to reduce GHG emissions and/or improve sustainability:

Action												
<p>1.</p> <p>Continued to use Verdiem IT Energy Management software that was installed, resulting in an energy reduction of 51.67%.</p> <table data-bbox="370 583 685 951"> <tr> <td>Cost</td> <td>\$2,269 CAD</td> </tr> <tr> <td>Energy</td> <td>45,205 kWh</td> </tr> <tr> <td>CO2</td> <td>111,691 Pounds</td> </tr> <tr> <td>Fuel</td> <td>87,554 Gallons</td> </tr> <tr> <td>Trees</td> <td>1,597 Saved</td> </tr> <tr> <td>Cars</td> <td>12 Off the Road</td> </tr> </table>	Cost	\$2,269 CAD	Energy	45,205 kWh	CO2	111,691 Pounds	Fuel	87,554 Gallons	Trees	1,597 Saved	Cars	12 Off the Road
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<p>2.</p> <p>Continue to participate in the Continuous Optimization Program with BC Hydro to continue to reduce our energy consumption.</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 educate/engage visitors on what we are doing. .</p>												

Describe plans your organization has for continuing to minimize your GHG emissions:

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

Describe any actions your organization took during 2015 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 2015 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 Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, *Royal BC Museum Corporation* (the Organization) is responsible for arranging for the retirement of the offsets obligation reported above for the 2015 calendar year, together with any adjustments reported for past calendar years. The Organization hereby agrees that, in exchange for the Ministry of Environment 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:**

Name: Angela Williams  
(print)

Title: COO and Deputy CEO

Signature:

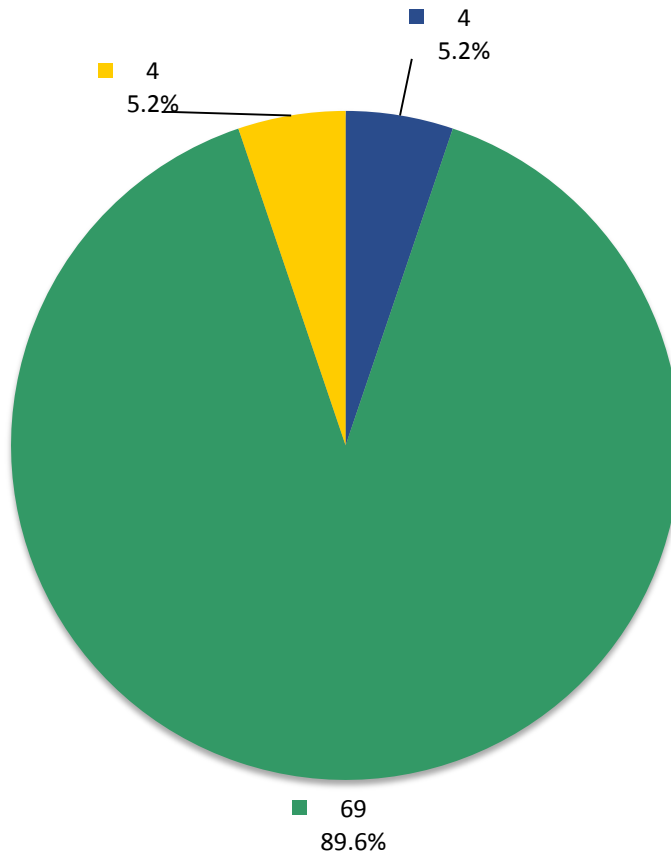


Date:

May 3, 2016

Please scan and email the completed form to [climateactionsecretariat@gov.bc.ca](mailto:climateactionsecretariat@gov.bc.ca)

**Royal BC Museum  
Greenhouse Gas Emissions by Source  
for the 2015 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 77**

- Mobile Fuel Combustion (Fleet and other mobile equipment)
- Stationary Fuel Combustion (Building Heating and Generators) and Electricity
- Supplies (Paper)

**Offsets Applied to Become Carbon Neutral in 2015 (Generated May 25, 2016 8:53 AM)**

Total offsets required: **76**. Total offset investment: **\$1,900**. Emissions which do not require offsets: **0** \*\*

\*Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) is a standard unit of measure in which all types of greenhouse gases are expressed based on their global warming potential relative to carbon dioxide.

\*\* Under the *Carbon Neutral Government Regulation of the Greenhouse Gas Reduction Targets Act*, all emissions from the sources listed above must be reported. As outlined in the regulation, some emissions do not require offsets.