

# 2020 Carbon Neutral Action Report

## BC Pavilion Corporation

### DECLARATION STATEMENT:

This Climate Change Accountability Report for the period January 1, 2020 to December 31, 2020 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2020 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2021 and beyond.

By June 30, 2021, PavCo's final *Carbon Neutral Action Report* will be posted to its website at [www.bcpavco.com](http://www.bcpavco.com).

BC Pavilion Corporation is a Provincial Crown Corporation with a mandate to generate economic and community benefit for the people of British Columbia through the prudent management of public facilities. PavCo owns and operates two world-class public facilities located in downtown Vancouver: BC Place and the Vancouver Convention Centre. During the calendar year 2020, PavCo reported to the Ministry of Tourism, Arts, Culture & Sport.

### PAVCO'S MANDATE

To generate economic and community benefit for the people of British Columbia through prudent management of public facilities.

### PAVCO'S FACILITIES

BC Place is one of the most technologically advanced stadiums in the world. It boasts a cutting-edge spectrum of customizable features, such as high definition video displays, interior temperature control, incredible acoustics, retractable seating, and a FIFA 2-Star rated playing surface.

The Vancouver Convention Centre consists of two uniquely designed buildings, the iconic East building and stunning West building, the world's first double LEED® Platinum certified convention facility. The Convention Centre is designed with the latest environmentally sustainable features and technology, including a six-acre "living roof", a marine habitat and an on-site Blackwater Treatment Plant, and is committed to operating continually in an environmentally sustainable manner.

In a typical year (pre-pandemic), BC Place and the Vancouver Convention Centre generate in excess of \$400 million in economic benefit for the province annually. These important venues attract thousands of local and international guests every year to the province, economically supporting the tourism and hospitality industries, as well as trade development.

### PAVCO'S VISION

To be the global leader in outstanding venues and events.

### PAVCO'S VALUES

- Trust and Respect
- Accountability
- Innovation
- Teamwork
- Diversity and Inclusivity
- Service Excellence

### OVERVIEW

PavCo has continued with the implementation of a Strategic Energy Management Plan (SEMP) introduced in 2019, which outlines principals for energy conservation and investment in energy and emissions reduction projects. The primary objective of this plan is to reposition energy management and the associated GHG emissions, as a broader strategic improvement to the organization, beyond

solely reducing operating expenses. The plan has identified the primary sources of GHG emissions associated with PavCo's operations and proposes strategies and projects to reduce these emissions.

The Covid-19 pandemic had a significant impact on PavCo's operations in 2020 with events at both facilities cancelled or postponed due to Provincial Health restrictions. The disruption to business operations resulted to a significant decrease in GHG emissions. However, PavCo continued with capital investments in 2020 to provide safe and efficient facilities for outstanding events in the future.

In 2020, the Vancouver Convention Centre continued its transition to energy efficient LED lighting systems. Lighting retrofits were performed in both buildings, reducing energy consumption and the mercury content associated with existing fluorescent fixtures. To offset the emissions associated with the Convention Centre kitchen operations and lighting of the Olympic cauldron, Renewable Natural Gas (RNG) was purchased from FortisBC. A Low Carbon Energy (LCE) feasibility assessment identified a GHG reduction opportunity to reduce steam consumption in the West building by pre-heating DHW with an active heat recovery system. The system will be installed and commissioned in 2021.

BC Place has also continued in switching several lighting systems to LED fixtures and advanced lighting control technology. Several refrigeration units serving walk-in coolers throughout the stadium were also upgraded with more efficient systems utilizing safer refrigerants. A new heat recovery system was designed to recover waste heat from the main kitchen refrigeration systems and pre-heat DHW for the kitchen. Installation and commissioning will be completed in 2021. A new rainwater harvesting system was installed to offset the amount of domestic cold water consumed for non-potable uses. The system has an overall capacity of approximately 80,000 liters and will be commissioned early in 2021.

<b>BC Pavilion Corporation 2020 GHG Emissions and Offsets</b>	
<b>GHG Emissions created in Calendar Year 2020</b>	
Total Emissions (tCO <sub>2</sub> e)	3030
Total BioCO <sub>2</sub>	39
Total Offsets (tCO <sub>2</sub> e)	2991
<b>Adjustments to Offset Required GHG Emissions Reported in Prior Years</b>	
Total Offsets Adjustment (tCO <sub>2</sub> e)	1122
<b>Grand Total Offsets for the 2020 Reporting Year</b>	
Grand Total Offsets (tCO <sub>2</sub> e) to be Retired for 2020 Reporting Year	4113
Offset Investment (\$25 per tCO <sub>2</sub> e)	\$102825

**RETIREMENT OF OFFSETS:**

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, BC Pavilion Corporation (**the Organization**) 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 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:**

	May 31, 2021
_____ Signature	_____ Date
Rehana Din	COO (Interim)
_____ Name (please print)	_____ Title