

2021 PSO Climate Change Accountability Report

BC Pavilion Corporation

DECLARATION STATEMENT:

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

By June 30, 2022, BC Pavilion Corporation's final Climate Change Accountability Report will be posted to its website at www.bcpavco.com.

BC Pavilion Corporation (PavCo) 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 2021, 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 latter being 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 continued to have a significant impact on PavCo's operations in 2021 with events at both facilities cancelled or postponed due to Provincial Health restrictions. The disruption to business operations resulted in lower GHG emissions than the pre-pandemic baseline. PavCo continued with capital investments in 2021 to provide safe and efficient facilities for client events in the future.

In 2021, 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. The installation of a low carbon Domestic Hot Water (DHW) pre-heat system for the West Building commenced in 2021. The system will be commissioned in 2022 and offset district steam energy consumption associated with DHW.

BC Place has also continued in switching several lighting systems to LED fixtures and advanced lighting control technology. The main kitchen refrigeration system was upgraded with new refrigeration equipment connected to a centralized heat recovery system to pre-heat Domestic Hot Water. This will reduce district steam consumption associated with DHW, reduce water consumption for refrigeration and utilize safer and more efficient refrigerants. The locker room DHW systems were upgraded with a new system including new heat exchangers, condensate heat recovery and controls to reduce district steam consumption.

<i>BC Pavilion Corporation 2021 GHG Emissions and Offsets Summary</i>	
GHG Emissions created in Calendar Year 2021	
Total Emissions (tCO ₂ e)	3364
Total BioCO ₂	38
Total Offsets (tCO ₂ e)	3326
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	0
Grand Total Offsets for the 2021 Reporting Year	
Grand Total Offsets (tCO ₂ e) to be Retired for 2021 Reporting Year	3326
Offset Investment (\$25 per tCO ₂ e)	\$83,150

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 2021 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 27, 2022
_____ Signature	_____ Date
Rehana Din	COO
_____ Name (please print)	_____ Title