

Climate Change Accountability Report

2021

bclc







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

By June 30, 2022, BCLC's Climate Change Accountability Report will be posted to the www.bclc.com website.



Overview

BCLC increased its commitment to ensuring business operations align with the Government of B.C.'s CleanBC¹ climate plan and its targets and strategies for reducing greenhouse gas (GHG) emissions and moving towards a low carbon economy. In 2021, BCLC:

- Hired a Sustainability Innovation Manager to develop long term strategies to reduce GHG emissions including:
 - Enrolled BCLC in the BC Hydro Energy Manager Program.
 - Developed a comprehensive Environmental, Social and Governance (ESG) framework with GHG specific goals and metrics.
 - Developed a Strategic Energy Management and Climate Action Plan (SEMCAAP).
- Developed a social purpose and sustainable procurement policy.
- Began development of a comprehensive ESG policy.
- Continued to maximize the efficiency of electricity and heating consumption in offices.
- Conducted a study to determine suitable EV replacements for fleet.
- Influenced the business value chain by engaging vendors and building awareness amongst staff to support better waste management practices and energy conservation.

¹ For more information on CleanBC , refer to: <https://cleanbc.gov.bc.ca/>

The COVID-19 pandemic continued to have impact on BCLC's GHG emissions. The effects vary between the different emission sources. Stationary sources of GHG emissions remained relatively constant compared to previous years. Mobile emissions remained constant compared to 2020, but significantly less than pre-pandemic numbers. Paper usage went up roughly 25 per cent compared to 2020 but also remained at roughly 50 per cent compared to historical usage. Transitioning out of COVID, BCLC will continue to enhance the positive climate benefits of working remotely, such as increased digitization, less printing, and less travel between offices. In addition to enhancing employees' work/life balance, using less energy, reducing GHG emissions per FTE, and reducing emissions related to commuting, working remotely will also delay the need for increased capacity for office space.

The following table provides a summary of BCLC's activity data associated with its main emission sources in the last 10 years. The numbers indicate a significant downward trend.

Table 1: Activity data for significant emission sources

| Year | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| Natural Gas (GJ) | 15,533 | 16,240 | 16,901 | 15,092 | 13,260 | 15,205 | 14,248 | 14,414 | 14,116 | 14,256 |
| Electricity (GJ) | 33,576 | 33,783 | 32,889 | 32,522 | 28,712 | 26,209 | 25,827 | 25,218 | 23,655 | 23,373 |
| Fleet Gas (L) | 149,208 | 160,979 | 121,027 | 14,017 | 21,030 | 30,388 | 29,361 | 39,132 | 11,081 | 7,678 |
| Office Paper (PKG) | 4,952 | 5,973 | 6,133 | 4,616 | 3,740 | 3,328 | 3,548 | 3,012 | 1,234 | 1,609 |





Below is a summary of the actions taken in 2021 and go-forward plans by emission sources.

Stationary sources—buildings

BCLC continues to explore a major renovation for the Kamloops headquarters that will include high performance sustainability design. BCLC is similar to many other organizations in BC in that approximately 80-90 per cent of Scope 1 emissions are attributed to the combustion of natural gas for space heating. As BCLC embarks on the Kamloops Revitalization Project (KRP), there is an ideal opportunity to incorporate a Low Carbon Electrification (LCE) solution into the design, thereby achieving an 80% reduction in GHG emissions within approximately 2-3 years. Enrolling in the BC Hydro Energy Management (EM) Program is an important first step for an LCE strategy and towards BCLC's net zero goal.

BCLC formally enrolled in BC Hydro's EM program in August of 2021. The program allows organizations to adopt a continuous improvement approach to energy management and optimize energy conservation measures. This system allows organizations to continually cycle through the process to ensure a lasting conservation culture. The program gives BCLC access to the full suite of BC Hydro and Clean BC incentive programs to assist with studies and implementation of Energy Conservation Measures (ECMs).



STATIONARY FUEL COMBUSTION- NATURAL GAS FOR HEATING

BCLC's natural gas emissions from heating increased slightly between 2020 and 2021 from 704 to 719 tonnes CO₂e due to a slightly cooler winter, where the Vancouver office saw a one percent increase and the Kamloops office saw a two percent decrease. For heating, the variables for consumption and associated emissions are mostly related to weather.

STATIONARY FUEL COMBUSTION- DIESEL FOR GENERATOR

Diesel usage is limited to a monthly one-hour test on a diesel generator on site, or if service work is being carried out. The surplus fuel is carried over to the following year. In Kamloops, the diesel purchase in 2020 went up significantly but due to timing of diesel purchases. For the same reason the Vancouver office Diesel use went down due to no diesel fuel purchases during the calendar year.

AIR CONDITIONING AND REFRIGERATION

Consumption of refrigerant gas occurs largely due to leaks in the stationary air conditioning system. BCLC currently conducts visual checks on a weekly basis and tests equipment once a month. An independent third party also tests the equipment twice annually to ensure all leaks are identified and addressed in a timely manner.

In 2021, there were no fugitive emissions associated to any refrigerant specified as greenhouse gas. BCLC purchased a portable leak detection device and a fixed device. Going forward, this will help detect and quickly correct smaller fugitive emissions immediately, reducing emissions from the leak.



OFFICE PAPER

BCLC's consumption of office paper increased 25 per cent compared to 2020 but remained at approximately 50 per cent relative to pre-pandemic numbers. The increase in 2021 was due to more staff returning to the office.

MOBILE SOURCES—TRANSPORTATION

BCLC has seven vehicles in its fleet, with three in Vancouver and four in Kamloops. They are mainly used by facilities for running maintenance or local errands. Some are used by employees for travel between Kamloops and Vancouver, although during COVID-19, this was restricted to single driver use only. In cases where two or more employees needed to travel for non-discretionary purposes, each employee was required to drive a separate vehicle, which doubled the emissions associated with the trip. COVID-19 restrictions meant that any travel had to be approved at the executive level and justified as non-discretionary. Even after COVID-19 restrictions relax, BCLC plans to discourage discretionary business travel and encourage carpooling.

The mobile emissions from fleet (mobile combustion) in 2021 remained at pre-pandemic levels due to the limited movement of employees. The emission reduction was also influenced by the upgrade of two fleet vehicles in 2020 to more advanced hybrid technology with improved fuel efficiency. In 2021, BCLC began planning to replace the existing fleet with electric vehicles over the next 2–5 years.

Supporting Initiatives

GREEN COMMITTEE

The Green Committee is a grassroots initiative at BCLC run by employees. In 2020, their activities were constrained by COVID-19 restrictions and remote working, but in the summer of 2021, the green committee developed an electric Bike Purchase Program that allows employees access to a loan for the purchase of an E-bike. The committee also organized a lunch and learn for employees to better understand what type of E-bike would best suit them.

SOCIAL PURPOSE AND SUSTAINABILITY TEAM 2021

BCLC's recently approved social purpose statement, "We exist to generate win-wins for the greater good" is the foundation for the next chapter in the organization's journey to make a positive and lasting impact. Over the coming months, guided by an Environmental, Social, and Governance (ESG) framework, BCLC will develop a comprehensive strategy that further supports our people, place, and planet, thereby increasing the long-term value and sustainability for all BCLC stakeholders.

To enable this transformation across ESG factors, BCLC has established a dedicated Sustainability team led by the Chief Social Purpose Officer and VP, Player Experience and Director of Social Purpose, Stakeholder and Community Engagement and supported by the newly created position of Manager, Sustainability Innovation. Over 2021, BCLC started identifying KPIs to measure and report on our progress towards the following high-level goals:

- BCLC will meet or exceed provincial GHG reduction targets, align with the International Science Based Targets initiative (SBTi), and develop a long-term plan to be net zero by 2030.
- BCLC will publicly declare social justice and equity practices and align our strategies for improvements with internationally recognized programs, such as the JUST program. BCLC will also align with the UNSDGs and UNDRIP.
- BCLC will develop a plan to transition away from a linear based supply chain toward a circular based economy model. This will move us beyond just reducing waste and increasing recycling rates to a closed loop/full life cycle system of products and services that also integrates ESG principles.
- BCLC will establish itself as a key provincial stakeholder in the climate change imperative.



Emissions and Offset Summary Table

GHG EMISSIONS CREATED IN CALENDAR YEAR 2021

| | |
|------------------------------------|-----|
| Total offsets (tCO ₂ e) | 810 |
|------------------------------------|-----|

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) for 2021 reporting year | 810 |
| Offset investment (\$25 per tCO ₂ e) | \$20,250.00 |
| Grand total offsets to be retired x \$25/tCO ₂ e (Including GST) | \$21,262.50 |



RETIREMENT OF OFFSETS

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, BCLC (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

A handwritten signature in black ink, consisting of a horizontal line with a stylized, looped flourish above it.

PETER TER WEEME

Chief Social Purpose Officer and Vice President, Player Experience

May 31, 2021



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