

2021 PSO Climate Change Accountability Report

Organization: BCEHS

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 2022 and beyond.

By June 30, 2022 BCEHS' final 2021 Climate Change Accountability Report will be posted to our website at www.bcehs.ca

PHSA Environmental Sustainability Policy

PHSA will act as a leader with respect to environmental stewardship while engaging the healthcare community in a collaborative approach towards sustainability. This will occur through sustainable operations, sustainable facilities and sustainable partnerships

2021 Actions taken to reduce GHG Emissions

Mobile Fleet

- BCEHS currently operates 10 ambulances equipped with after-market hybrid electric systems as well as 26 support hybrid vehicles
- 109 new Crestline Coach Ambulances received in fiscal 2021/2022 are equipped with ACETECH's ECO-run module for idle-management which effectively turns off the engine whenever possible.
- Efforts at BCEHS are currently underway to source 6 battery electric support vehicles and 1 battery electric ambulance and have these deployed by end of March 31 2023
- BCEHS is entering final contract negotiations with an ambulance manufacturer that will be providing ambulances that operate on a chassis with a smaller and more fuel efficient gas engine.

Facilities

- Continue to monitor energy performance and greenhouse gas emissions at BCEHS facilities and plan for investigation activities to help identify opportunities for reducing energy use and carbon emissions.
- Planning the infrastructure assessment and understanding the feasibility and impacts of installing charging stations for electric vehicles at selected BCEHS facilities

Paper Usage

- BCEHS continues to purchase recycled paper for office use
- Fleet Operations has reduced its reliance of photocopying by using electronic means to process the 15 000 + yearly invoices

Plans to continue reducing emissions in 2021 and beyond

Facilities:

Completing infrastructure assessment and investigating the feasibility and impacts of installing charging stations for electric vehicles at selected BCEHS facilities

Providing support to Facilities Maintenance and Operations for identifying energy savings and emission reduction opportunities and optimizing the performance of existing equipment as applicable.

The energy team continues to promote energy conservation and GHG emissions reduction through awareness and behavior change campaigns and programs, as well as providing the staff with relevant resources accessible on [GreenCare](#) website

Looking for opportunities to participate in Continuous Optimization Program administered by BC Hydro.

Identifying opportunities for developing and implementing guidelines and processes to embed energy and carbon management into standard operations.

Looking for energy and emissions saving innovations and opportunities for testing and demonstration at BCEHS sites, particularly those that emit larger amount of greenhouse gases

Fleet:

- In 2022, BCEHS will continue engaging Canadian ambulance manufacturers on lower or no emissions ambulance platforms. Work will continue when BCEHS is able to review early mock-ups and prototypes from these ambulance manufacturers.
- As other hybrid and low-emission technology becomes available at a commercial level, BCEHS will continue to assess these options.
- BCEHS is currently engaged with the CNCP (Carbon Neutral Capital Funding) program to justify several Battery Electric Vehicles potentially including one battery electric ambulance. This includes consideration for the infrastructure required as well as estimating operating cost and GHG reductions. BCEHS is considering leveraging some CNCP funds for this exercise.

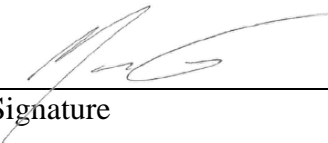
Emissions and Offset Summary Table:

BCEHS 2021 GHG Emissions and Offsets	
GHG Emissions created in Calendar Year 2021	
Total Emissions (tCO ₂ e)	16,907
Total BioCO ₂	490
Total Offsets (tCO ₂ e)	16,417
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	16,417
Offset Investment (\$25 per tCO ₂ e)	\$410,425

Retirement of Offsets:

In accordance with the requirements of the Climate Change Accountability Act and Carbon Neutral Government Regulation, BCEHS (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 ton of offsets retired on its behalf plus GST.

Executive sign-off:

	May 10, 2022
Signature	Date
Manraj Chohan	Executive Director, Logistics & Transportation, BCEHS
Name (please print)	Title

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