

PSO CCAR

2021 Reporting Year

Title: 2021 PSO Climate Change Accountability Report

Organization: Nicola Valley Institute of Technology

PART 1. Legislative Reporting Requirements

Declaration statement: This PSO Climate Change Accountability Report for the period January 1, 2021 to December 31, 2021 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2021 to reduce our GHG emissions, and our plans to continue reducing emissions in 2022 and beyond.

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

Emission Reductions: Actions & Plans

Below are the actions taken by NVIT in 2021 to minimize emissions and plans to continue reducing emissions in future years.

A. Stationary Sources (e.g. buildings, power generation)

*Below are actions taken by NVIT in 2021 to minimize emission reductions from **stationary sources** and our plans to continue reducing those emissions in 2022 and beyond:*

- 1) NVIT's plan to continue reducing emissions from stationary sources includes:
 - upgrading lighting to LED where possible
 - Upgrade lighting controls allowing for occupancy sensor to main building lighting and lighting scheduling
 - HVAC upgrade to equipment, controls in our main building allowing granular temperature control of spaces (scheduling).
- 2) Building retrofit plans to reduce emissions include installing terminal HVAC equipment (fan coils, fresh air handlers) capable of moving from gas fired boilers to Geo-Exchange or Air Source heat pump. Installing solar array on building roof tops.

B. Mobile Sources (e.g. fleet vehicles, off-road/portable equipment)

- 1) NVIT will acquire 1 zero emission vehicle in 2022?
- 2) NVIT continues to utilize improved video conference and on-line technology for campus-to-campus meetings. Avoiding unnecessary travel has resulted in a small decrease in fleet fuel consumption In 2021 NVIT did a charging station feasibility study and will install 6 EV chargers in 2022.

Clean Fleet Plan: NVIT is developing a Clean Fleet Plan, that outlines how we plan to transition our light duty vehicle fleets to clean options and align charging and refueling infrastructure deployment.

C. Paper Consumption

- 1) NVIT is developing and deploying an awareness campaign focused on:
 - a. Reducing paper use; and/or
- 2) NVIT purchases Forest Free 100% Sugar Cane Fibre paper

2021 GHG Emissions and Offsets Summary Table:

[NOTE: this section separates BioCO₂ from total emissions. Please see [Appendix 1](#) for instructions on populating the table.]

[Organization Name] 2021 GHG Emissions and Offsets Summary	
GHG Emissions created in Calendar Year 2021	
[See Appendix 1 for instructions on how to access your 2021 emissions data from the Clean Government Reporting Tool (CGRT). Cells A through E below are identified in Figure 1 ; cell F is identified in Figure 2 .]	
Total Emissions (tCO ₂ e)	180
Total BioCO ₂	0,431322
Total Offsets (tCO ₂ e)	179
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	-270
Grand Total Offsets for the 2021 Reporting Year	
Grand Total Offsets (tCO ₂ e) to be Retired for 2021 Reporting Year	-91
Offset Investment (\$25 per tCO ₂ e) [Grand Total Offsets to be Retired x \$25/tCO ₂ e]	-2275

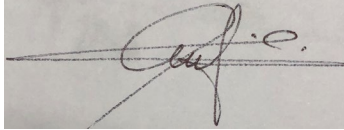
- i. [Note, BioCO₂ is included in Total Emissions but not Total Offsets. For K-12 and Post-Secondary organizations, and BC Transit, Total Offsets will not equal Total Emissions minus Total BioCO₂ because offset exempt emissions for buses are included within Total Emissions.
- ii. Emissions and offset investment amounts will be validated by CAS prior to distributing invoices.
- iii. You must round "Grand Total Offsets to be Retired" to a whole number (no decimal places) before multiplying by \$25 (e.g., 43.2 = 43, 43.5 = 44).]

Retirement of Offsets:

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

[All PSOs, including Small Emitters, must have their final report signed by a senior official, such as CEO, COO or Superintendent]



Signature

Date

Ernest Gran

Chief Financial Officer