

NICOLA VALLEY INSTITUTE OF TECHNOLOGY

2023 PSO Climate Change Accountability Report

Title: 2023 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, 2023 to December 31, 2023 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2023 to minimize our GHG emissions, and our plans to continue reducing emissions in 2024 and beyond.

Emission Reductions: Actions & Plans

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

Below are the actions taken by NVIT in 2023 to minimize emission reductions from **stationary sources** and plans to continue reducing those emissions in 2023 and beyond.

- upgrading Main building lighting to LED where possible
- Upgrade lighting controls allowing for occupancy sensor to main building lighting and lighting scheduling

Currently NVIT does not have an official strategy to reduce emissions from stationary sources, but plans to continue reducing emissions from stationary sources include:

As NVIT's HVAC equipment comes to end of life (gas fired boilers) the new infrastructure is capable of switching to Geo-Exchange,

complete solar array on roof tops, address building envelop degradation (window seals), HVAC optimization

Building retrofit planning includes:

- new HVAC retro fits will move to Geo-Exchange,
- Occupancy Sensors for lighting,

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

Below are the actions taken by your NVIT in 2022 to support emission reductions from **mobile sources** and plans to continue reducing those emissions in 2023 and beyond.

- 1) NVIT will acquired 1 PHEV in vehicle in 2023?
- 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 2022. NVIT installed 6, level two EV chargers.

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.

A. Paper Consumption

Below are the actions taken by your NVIT in 2022 to support emission reductions from **paper supplies** and plans to continue reducing those emissions in 2023 and beyond.

- 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

2023 GHG Emissions and Offsets Summary Table

[Please see [Appendix 1](#) for instructions on populating this table with the "CCAR 2023" CGRT Report. The table separates biogenic emissions (BioCO₂) from total emissions, as per international emission reporting protocols. **Tip:** Print pages 9 to 11 of this document, or view in a split or new window (if you have more than one screen); these pages contain the instructions on how to acquire the data to complete the following table.]

[Organization Name] 2023 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2023	
[See Appendix 1 for instructions on how to access your 2023 emissions data from CGRT. Cells A and B below are identified in Figure 1 ; cells C and D are identified in Figure 2 .]	
Total BioCO ₂	1.62
Total Emissions (tCO ₂ e)	281
Total Offsets (tCO ₂ e)	281
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	0
Grand Total Offsets for the 2023 Reporting Year	
Grand Total Offsets to be Retired for 2023 Reporting Year (tCO ₂ e) [must round to a whole number (no decimal places)]	281
Offset Investment (\$) [Grand Total Offsets to be Retired for 2023 Reporting Year x \$25 per tCO ₂ e]	\$7025.00

- i. [Note, BioCO₂ is included in Total Emissions but not Total Offsets. For K-12 and post-secondary organizations, and BC Transit, Total Offsets might 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 is rounded to 43, while 43.5 is rounded 44).]

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and the Carbon Neutral Government Regulation, [Nicola Valley Institute of Technology](#) (the **Organization**) is

responsible for arranging for the retirement of the offsets obligation reported above for the 2023 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.