

NICOLA VALLEY INSTITUTE OF TECHNOLOGY 2022 PSO CLIMATE CHANGE ACCOUNTABILITY REPORT

Title 2022 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, 2022 to December 31, 2022 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2022 to minimize our GHG emissions, and our plans to continue reducing emissions in 2023 and beyond.

Emission Reductions: Actions & Plans

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

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

- upgrading lighting to LED where possible
- Upgrade lighting controls allowing for occupancy sensor to main building lighting and lighting scheduling
- HVAC controls update to use one DDC management system for all buildings. Easily identify HVAC issues, main building allowing granular temperature control of spaces (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 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.

C. 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

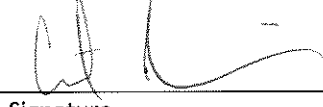
2022 GHG Emissions and Offsets Summary Table

<i>[Nicola Valley Institute of Technology] 2022 GHG Emissions and Offsets Summary</i>	
GHG emissions for the period January 1 - December 31, 2022	
Total BioCO ₂	0,785838
Total Emissions (tCO ₂ e)	131
Total Offsets (tCO ₂ e)	132
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	131
Grand Total Offsets for the 2022 Reporting Year	
Grand Total Offsets to be Retired for 2022 Reporting Year (tCO ₂ e) <i>[must round to a whole number (no decimal places)]</i>	263
Offset Investment (\$) <i>[Grand Total Offsets to be Retired for 2022 Reporting Year x \$25 per tCO₂e]</i>	6575

i. Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, *NVIT (the Organization)* is responsible for arranging for the retirement of the offsets obligation reported above for the 2022 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:



Signature

May 31, 2023

Date

Clint Garcia

Name (please print)

Manager of facilities

Title