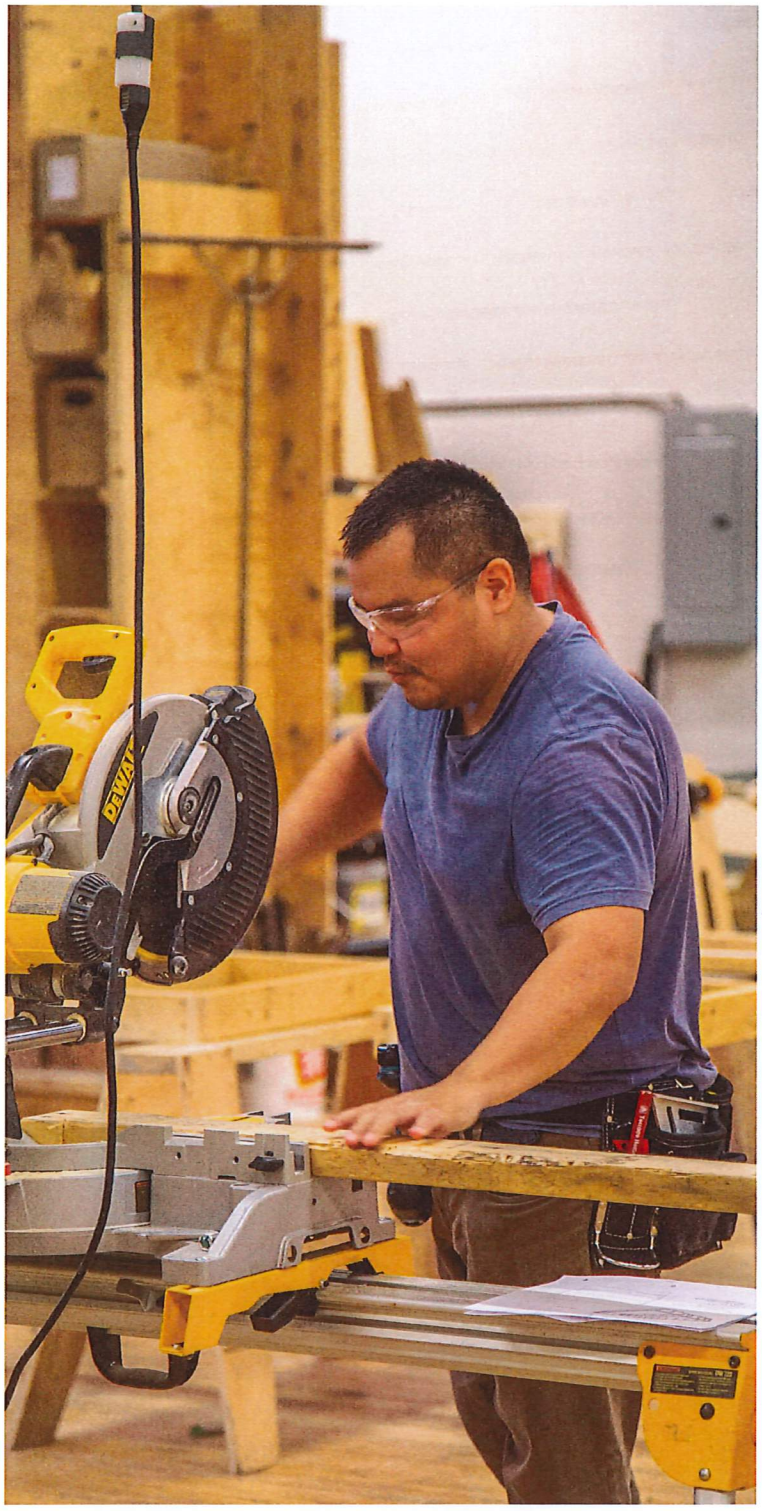
coast mountain college



2024 Climate Change Accountability Report

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Declaration Statement and Overview

Declaration statement: This PSO Climate Change Accountability Report for the period January 1, 2024 to December 31, 2024 summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2024 to minimize our GHG emissions, and our plans to continue reducing emissions in 2025 and beyond.

Overview

Coast Mountain College, (CMTN) has completed a number of large projects in 2024 that will both reduce emissions and enhance the student experience across the region.

CMTN reduced its total greenhouse emissions in 2024 showing improvement from prior year projects. In 2023 CMTN had total greenhouse gas emissions of 986 tCO2e. In 2024 this quantity decreased to 943 tCO2e, an improvement of 43 tCO2e, or 4%. It should be noted that this is now a 30% decrease since 2018 when emissions where at a high point of 1341 tCO2e.

The College will continue to demonstrate its commitment as a Post-Secondary institution to reduce greenhouse gas emissions, while engaging all members of the college community, by supporting initiatives that contribute to sustainability and the reduction of our carbon footprint.

2024 Actions Taken to Reduce Greenhouse Gas Emissions

- Campus-wide underground utilities renewal project. ($9.3 million)
    - Completed underground civil work at the Terrace campus for all water, sewer and storm drains.
    - New insulated radiant piping now transports hot water efficiently across the campus.
    - This work included conduit for 58 future charging stations and an upgraded electrical room.
    - Paving all parking lots
- Paving of Terrace storage compound, resulting in reduced airborne dust, which clog exterior HVAC systems pre-filters, decreasing efficiency, reducing fuel cost. Reduction in fuel cost from mobile equipment needed to repeatedly grade the rough gravel surface for safety.
- The exterior envelope upgrade of 4632 m3 Spruce building in Terrace.
    - Replacement of all exterior windows and doors.
    - New windows are tinted triple paned, glazed 6mm low-e. All have screens and blinds.
    - Exterior Dors replaced and include matching triple-paned sidelights.
- Design and commissioning were completed for a cooling / heating Geothermal system for our Smithers campus, with additional work done to add extra heat pumps to meet local requirements.
- District heating system piping and expansion tank replacement, including 200mm insulated piping
- Roof replacements for five buildings.
    - Two in Houston, one in Hazelton, and two in Terrace.
- EV infrastructure. Two V panels
- Campus Lighting Upgrades on the Terrace campus with LED street lights and stadium-style LED compound lighting to replace all low-efficiency perimeter lights with a single high-efficiency light source.
- Prince Rupert Carpentry shop has newly laid out LED lighting
- Terrace cafeteria kitchen cooler upgrades, replacement panel for temperature separation. Salamander conversion kit, deep fryer replacement.
- Panic buttons install in all classrooms and front office in Terrace.

2025 and Beyond Plans to Reduce Greenhouse Gas Emissions

- Continuation /completion of roofing renewals, with the last three remaining buildings scheduled for summer of 2025. The Prince Rupert Campus building along with two buildings in Terrace.
- Full scale replacement of Terrace campus boiler system with a high efficiency modular system.
- Installation of panic buttons at the Prince Rupert Campus in all classrooms and front offices.
- Replacement of older fleet vehicles with more fuel-efficient and /or electric vehicles
- Ongoing replacement of aging infrastructure with new high efficiency equipment
- Installation of 58 EV stations, to align with the underground conduit already in place at the Terrace campus.

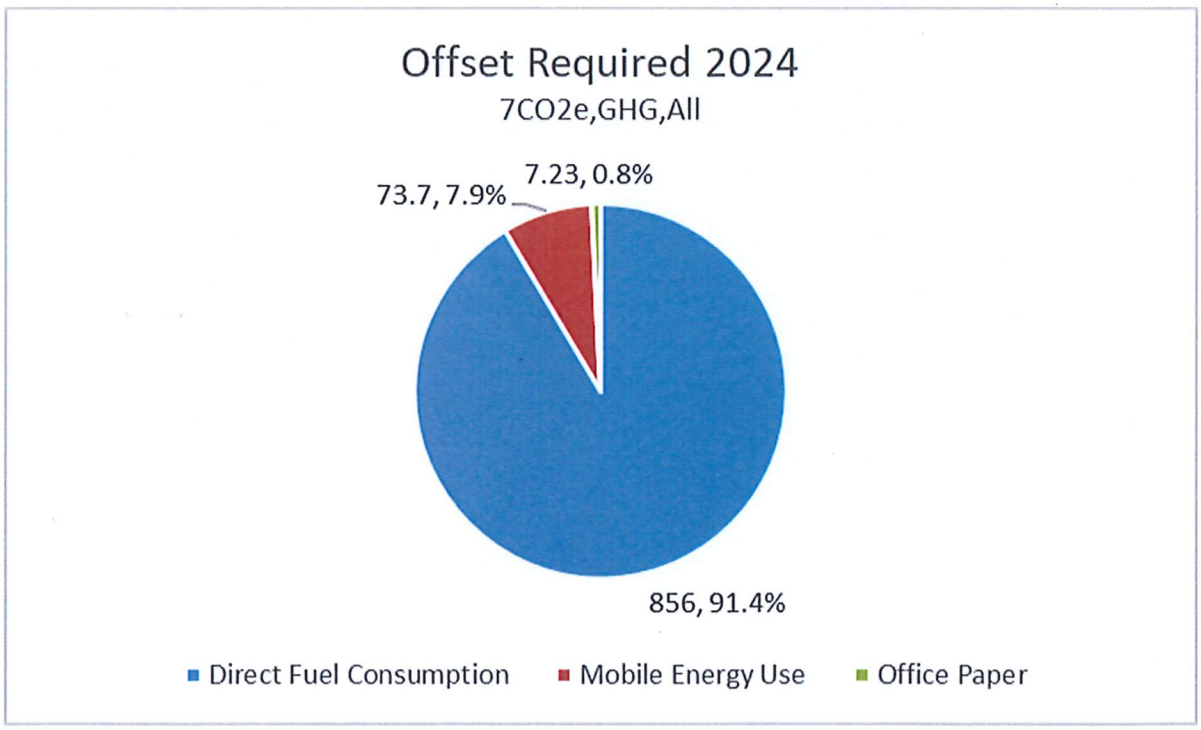
Climate Risk Management

In recognition of the increasing number of wildfires and warmer temperatures in our region, particularly in two communities, Hazelton, and Smithers, the following actions were taken in 2024:

- Establishment of a wildfire taskforce with representatives from all levels of management and all campuses
- Survey of managers and staff for levels of personal preparedness
- Review of emergency guides for staff and students
- Meetings and outreach with local emergency coordinators at the provincial and municipal levels
- Review of procedures for students in the event they required Emergency Support Services
- Presentations for staff on resources available to them for personal preparedness and Firesmart programs. Followed up with emails for links and videos for services available
- Demonstrations for students on how to prepare a go-bag and what would happen in the event of a community wide evacuation
- Relocation of CMTN Bus to Smithers campus in the event of a need to assist with evacuations of students or staff

2024 GHG Emissions and Offsets Summary Table

Coast Mountain College 2024 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2024	
Total $BioCO_2$	6.22
Total Emissions (tCO_2e)	943
Total Offsets (tCO_2e)	937
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO_2e)	0
Grand Total Offsets for the 2024 Reporting Year	
Grand Total Offsets to be Retired for 2024 Reporting Year (tCO_2e	937
Offset Investment ($)	23,425



Retirement of Offsets

In accordance with the requirements of the *Climate Change Accountability Act* and the Carbon Neutral Government Regulation, Coast Mountain College (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2024 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Energy and Climate Solutions (**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	Date
[signature]	June 12/2025
Michael Doyle	Vice-President, Corporate Services