

Cowichan Valley School District

2020 PSO Climate Change Accountability Report

Declaration statement

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staff and students but the broader community. The district continues making reductions by finding impact in cost effective approaches, new innovative ideas, and partnerships. Aligning goals with those of neighbouring communities and organizations contribute to regional targets and trends is also important.

Actions Taken in 2020 to Minimize Emissions

There is an ongoing Building Envelope project at Mill Bay Nature School that reopened in 2018; this project will be complete this year and will enhance occupant comfort and reduce the consumption of heating energy. An OBS agreement with Honeywell was secured and is underway to further optimize the existing mechanical systems which will result in a significant reduction in electricity, natural gas and fuel oil consumption. The district continues to do end-to-end reviews of all HVAC DOC systems annually. This identifies and corrects issues that occur throughout the year which cause inefficiencies in the heating systems. The Cowichan Valley School District acquired its first fully electric school bus and will be reviewing the viability of further acquisitions in 2021.

Plans to Continue Reducing Emissions 2021 and Beyond

The district will continue to implement projects to reduce energy consumption and greenhouse gas emissions. The district will carry on with lighting projects, including the continuation of the installation of LED light fixtures at schools across the district.

The district will also be completing a major heating plant upgrade at one of our larger school facilities as well as the maintenance shop and bus garage. The heating plants for the maintenance shop and bus garage will have a large impact on emissions reduction with the conversion of oil-fired boilers to heat pumps. The district is also continuing a building envelope project at one site. These projects will have a large impact on occupant comfort and the reduction of heating energy and greenhouse gas emissions.

The Cowichan Valley School District acquired its first fully electric school bus and will be reviewing the viability of further acquisitions later this year. The district is also exploring the viability of introducing two EV's as a car share program as well as EV or hybrids within the maintenance fleet.

The promotion of energy efficiency and sustainable practices will continue district wide to increase the overall awareness of sustainability issues.

| [Cowichan Valley School District] 2020 GHG Emissions and Offsets | |
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| GHG Emissions created in Calendar Year 2020 | |
| Total Emissions (tCO ₂ e) | 2191 |
| Total BioCO ₂ | 15.5 |
| Total Offsets (tCO ₂ e) | 1670 |
| Adjustments to Offset Required GHG Emissions Reported in Prior Years | |
| Total Offsets Adjustment (tCO ₂ e) | -202 |
| Grand Total Offsets for the 2020 Reporting Year | |
| Grand Total Offsets (tCO ₂ e) to be Retired for 2020 Reporting Year | 1468 |
| Offset Investment (\$25 per tCO ₂ e) [Grand Total Offsets to be Retired x \$25/tCO ₂ e] | \$36,700 |

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, Cowichan Valley School District (the Organization) is responsible for arranging for the retirement of the offsets obligation reported above for the 2020 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: