



Central Okanagan Public Schools 2020

2020 - PSO CLIMATE CHANGE ACCOUNTABILITY REPORTING



**Central Okanagan
Public Schools**
Together We Learn



Content

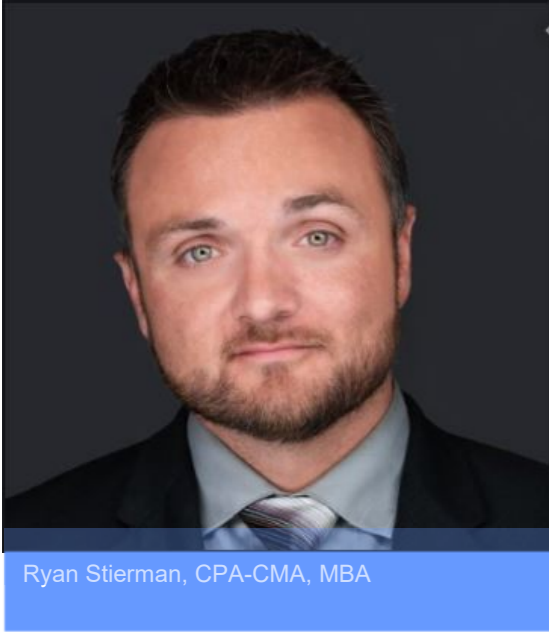
- 3) Declaration Statement
- 4) Executive Summary
- 6) 2020 Greenhouse Gas Emissions and Offsets Overview
- 7) Actions Taken to Reduce Greenhouse Gas Emissions in 2020
- 8) Other Actions
- 9) Plans to Continue Reducing Greenhouse Gas Emissions in 2021



Declaration Statement

This Climate Change Accountability Report for the period January 1, 2020 to December 31, 2020 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2020 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2021 and beyond.21) Plans to Continue Reducing Greenhouse Gas Emissions in 2021

By June 30, 2021 Central Okanagan Public Schools final 2020 Climate Change Accountability Report will be posted to our website at www.sd23.bc.ca



Executive Summary

Central Okanagan Public Schools acknowledge and honour the traditional territory and history of the Okanagan (Syilx) People and Westbank First Nation. Central Okanagan Public Schools aims to make a positive difference in student’s lives and communities through safe and quality learning. To accomplish this mission, The District works in partnership with community groups, provincial health authorities and ministries, other levels of government to develop, manage and administer a wide range of learning options across School District No23

The District aims to incorporate sustainability into all aspects of our work. In 2020, we continued our actions and programs to reduce greenhouse gas emissions from existing buildings, new construction, as well as office paper, and fleet vehicles.

2021 will bring new challenges and new opportunities. We are very proud of the tremendous work that Central Okanagan Public School has done delivering a world class education to our learners through the challenges and stresses of the pandemic. Proud of district staff and for the effort to support students so that they are ready to learn, providing food for those who are experiencing food scarcity, and supplying technology for those families who have challenges connecting to the digital delivery of education. Staff have taken the protocols and extra cleaning requirements seriously. The District will continue to work with our partners to carry out our mandate in the context of the COVID-19 situation, while helping to build the resiliency that B.C. needs to deal with the climate and environmental challenges to come.

Ryan Stierman, CPA-CMA, MBA

2020 Greenhouse Gas Emissions and Offsets Overview

SD23 GHG Emissions and Offsets for 2020 (tCO₂e)

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.

GHG EMISSIONS AND OFFSETS FOR 2020	
Total Emissions (tCO ₂ e)	5,686
Total BioCO ₂	32
Total Offsets (tCO ₂ e)	4772
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	847
GHG EMISSIONS AND OFFSETS FOR 2020	
Grand Total Offsets (tCO ₂ e) to be Retired for 2020 Reporting Year	5619
Offset Investment (\$25 per tCO ₂ e)	\$140,475.00

Total Emissions for Offsets for the 2020 - Reporting Year

SD23 purchased carbon offsets from the Government of B.C. for the equivalent of 5,619 tonnes of CO₂e to obtain carbon neutral status for 2020.

Thirty two tonnes of CO₂e emissions from the combustion of biomass and biomass-based fuels were reported as part of our greenhouse gas emissions profile in 2020.

However, while CO₂e emissions from these sources must be reported, they do not require offsets.

Retirement of Offsets:

In accordance with the requirements of the Climate Change Accountability Act and Carbon Neutral Government Regulation, SD23 (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.

Ryan Stierman, CPA-CMA, MBA
Secretary-Treasurer/CFO
Central Okanagan Public Schools
May 30, 2020



To all SD23 Operations' Staff - Congratulations FortisBC's 2020 Efficiency in Action Award winners

Actions Taken to Reduce Greenhouse Gas Emissions in 2020

The annual Efficiency in Action Awards recognize customers who incorporated higher than standard energy efficiency into their projects and achieved significant energy savings. Through their combined efforts, this year's award recipients reduced natural gas use by more than 12,000 gigajoules annually, which is equivalent to the annual natural gas use of approximately 140 homes in B.C. They also reduced electricity use by approximately 6,700 megawatt hours—the equivalent of the annual electricity use of about 600 homes



First - EV School bus with 225 km range

Plans to Continue Reducing Greenhouse Gas Emissions in 2021

- 1. Electric Powered Buses
- 2. LED lighting Projects – phase two
- 3. High efficient roof top unit (RTU) replacement – on going
- 4. Condensing boiler upgrades



MBSS – Lighting Project upgrade to LED technology