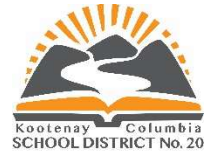


## **Declaration Statement**

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.

# OVERVIEW



## Emission Reduction Activities

The following is a list of actions taken toward carbon neutrality in 2020:

- Continued to install occupancy sensors in several rooms throughout the District.
- Continued to replace current bulbs and fixtures with LED bulbs and fixtures as they burn out.
- Continued to utilize power management software which shuts down computers outside of regular business hours.
- Continued to use auto-sleep settings on computer monitors and CPUs.
- Continued to utilize auto-sleep settings on these multi-function devices.
- Continued to replace computers with ENERGY STAR models during regular computer upgrades.
- Continued to replace appliances with ENERGY STAR models whenever new appliances are purchased.
- Continued to replace vehicles in fleet with more efficient vehicles.
- Continued the implementation of computer lab replacement with laptops and tablets rather than desktops.
- Full implementation of Paper Cut program (monitors paper usage)

In 2020 we were looking forward to seeing some reduction in our carbon footprint as our 2019 projects were completed in the summer so we only got to enjoy their benefit for half of the year. 2020 brought a full year to reap the benefits of the Robson LED lighting upgrade, the Waneta power smart block heater upgrade, and the Webster Chiller upgrade. On top of that, we completed the following projects during the summer of 2020 which will aid in the future reduction of greenhouse gas emissions:

- Webster Elementary electrical upgrade including full LED lighting upgrade
- Final phase of window upgrade at Webster Elementary
- LED lighting upgrade at Fruitvale Elementary



## **Future Plans for the Continual Reduction of Greenhouse Gas Emissions**

While we made several strides in reducing our carbon footprint, the reality of Covid-19 meant that we were running our HVAC systems for extended periods of time with Merv 13 filters which definitely had a negative impact on our energy consumption. This was necessary for the health & safety of staff and students in our buildings but resulted in a major increase in electricity usage.

This increase in power usage was buffered by a major decrease in the use of our buses for field trips as well as no bussing for two months in the Spring and no occupants in our buildings for those two months.

For 2021, we are VERY excited about using our first electric school bus (which arrived in May) and we are also looking forward to the benefits of the following HVAC upgrades to more efficient units (which will happen in the summer of 2021):

- Kinnaird Elementary HVAC unit upgrade
- Stanley Humphries Secondary School AC unit and controls upgrade
- Fruitvale Chiller and Compressor upgrade
- Castlegar Primary RTU replacement
- Completion of LED lighting upgrade for JL Crowe Secondary School, Kootenay Columbia Learning Centre, Twin Rivers Elementary and Kinnaird Elementary.

We look forward to a carbon reduction as the result of all these great projects.

Other potential future projects that continue to be considered within the buildings in our District include further window replacements, exterior siding/insulation upgrades, re-commissioning and rebalancing of newer mechanical systems, upgrades to DDC controls and the addition of CO2 sensors.

We will continue with all the smaller upgrades and changes that we have been working on in an effort to move our District closer to carbon neutrality in these challenging times.



## Emissions and Offsets Summary Table

<b>School District No. 20 (Kootenay Columbia) Greenhouse Gas Emissions and Offsets for 2020 (TCO2E)</b>	
<b>Greenhouse Gas Emissions in calendar year 2020:</b>	
Total Emissions (tCO2e)	1870
Total BioCO2	12.06
Total Offsets (tCO2e)	1618
<b>Adjustments to GHG Emissions Reported in Previous Years:</b>	
Total Offsets Adjustment (tCO2e)	38
<b>Grand Total Offsets for the 2020 Reporting Year:</b>	
Total Offsets	1656
Total Offset Investment	\$41400

### Retirement of Offsets:

In accordance with the requirements of the Climate Change Accountability Act and Carbon Neutral Government Regulation, School District No. 20 (Kootenay-Columbia) 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. The Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy ensuring that these offsets are retired on the Organization's behalf, School District No. 20 will pay 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.

A handwritten signature in blue ink, appearing to read "H. Simm", is written over a horizontal blue line.

2020 CNAR prepared by Director of Operations, Heather Simm

A handwritten signature in blue ink, appearing to read "Katherine Shearer", is written over a horizontal blue line.

2020 CNAR approved by Acting Superintendent, Katherine Shearer