



P.O. Box 430 Invermere, B.C., Canada, V0A 1K0



250-342-9243 • Fax 250-342-6966



Karen Shipka|Superintendent| [karen.shipka@sd6.bc.ca](mailto:karen.shipka@sd6.bc.ca)



Stacey Ursulescu Executive Assistant

[|Stacey.ursulescu@sd6.bc.ca](mailto:Stacey.ursulescu@sd6.bc.ca)

## 2021 PSO Climate Change Accountability Report

### School District No. 6 (Rocky Mountain)

#### Executive Summary

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

Rocky Mountain School District continues to focus on reducing greenhouse gas emissions. The main source of the energy and greenhouse gas savings throughout our School District is the result of implementing energy retrofit projects, and operational adjustments in the use of our buildings and vehicles. The School District's focus on environmental stewardship has been a key driver for success in reducing greenhouse gas emissions. This focus has led to the prioritization of staffing resources, and capital projects, as well as education programs focusing on energy reduction and environmental stewardship. On-going benchmarking of energy performance of buildings, vehicles, and other energy consumption continues. Our Operations Department continually monitors energy consumption and focuses on energy reduction initiatives, which ultimately reduce carbon emissions.

Our carbon footprint in 2021 increased due to increased ventilation (outside air) we provided to protect students and staff from COVID-19. We are confident that our carbon reduction will continue to reduce once ventilation rates are set back at normal levels.

*Karen Shipka*

Karen Shipka  
Superintendent of Schools



## **2021 Greenhouse Gas Emissions**

<b>School District No. 6 (Rocky Mountain) GHG Emissions and Offsets for 2021 (tCO2e)</b>	
<b>GHG Emissions created in calendar year 2021</b>	
Total Emissions (tCO2e)	1963
Total BioCO2	1.41
Total Emissions for Offsets (tCO2e)	1520
<b>Adjustments to GHG Emissions Reported in Prior Years</b>	
Total Offset Adjustment (tCO2e)	0
<b>Grand Total Offsets for the 2021 Reporting Year</b>	
Grand Total Offsets (tCO2e) to be Retired for 2020 Reporting Year (from Offset Invoice):	1520
Offset Investment (\$25 per tCO2e)	38000

## **Emissions Reduction Activities**

### **Actions Taken by the Rocky Mountain School District to Reduce Greenhouse Gas Emissions in 2021**

Projects to reduce energy consumption and greenhouse gas emissions implemented in 2021 included:

- A new electric school bus went into operation in Golden in 2021.
- Alexander Park Elementary School lighting upgraded with LED high efficiency light fixtures complete with dimming controls.
- Windermere Elementary School lighting upgraded with LED high efficiency light fixtures complete with dimming controls.
- Marysville Elementary School lighting upgraded with LED high efficiency light fixtures complete with dimming controls.
- New high efficiency boilers were installed at Blarchmont Elementary School.
- David Thompson Secondary School received a HVAC control upgrade.

- Edgewater Elementary School received a HVAC control upgrade.
- Kimberley Maintenance Building received a thermal energy efficiency envelope upgrade.
- Selkirk Secondary Band and Drama room received an upgrade to the HVAC system.
- J. Alfred Laird Elementary School received a HVAC control upgrade.

### **Plans to Continue Reducing Greenhouse Gas Emissions 2022 – 2027**

Reducing energy consumption and greenhouse gas emissions will continue to be an important focus for the Rocky Mountain School District. Projects planned for the next five years show the potential for the School District to save energy costs, while significantly reducing greenhouse gas emissions and contributing to becoming carbon neutral. Some projects planned for the five years include:

- A new electric school bus is going into operation September 2022,
- Summer 2022 one high school will be undergoing an interior lighting upgrade to install high efficiency LED light fixtures complete with dimming and occupancy controls.
- Summer 2022 one elementary school will undergo HVAC upgrade complete with energy control upgrades to the DDC.
- A school will undergo a thermal energy efficiency building envelope upgrade.
- Designs for boiler replacements at Elementary other schools.
- One Elementary School will undergo a HVAC replacement.
- One Elementary School will be upgraded with LED high efficiency light. Fixtures complete with dimming controls.
- Gymnasium occupancy control of ventilation systems.
- Increased roofing insulation and wall insulation with cladding and roof upgrades at a number of buildings.
- Investigation into the viability of fuel switching from propane fired heating plants to electricity.
- Student and employee behavioral change education projects.

### **Retirement of Offsets**

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, School District No. 6 (Rocky Mountain) **(the Organization)** is responsible for arranging for the retirement of the offsets obligation reported above for the 2021 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.

