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## 2022 PSO Climate Change Accountability Report

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

#### Executive Summary

This Climate Change Accountability Report for the period January 1, 2022 to December 31, 2022 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2022 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2023 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. Ongoing 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 2022 continued to remain slightly increased due to the 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.

A handwritten signature in black ink that reads 'Karen Shipka'.

Karen Shipka  
Superintendent of Schools



## **2022 Greenhouse Gas Emissions**

<b>School District No. 6 (Rocky Mountain) GHG Emissions and Offsets for 2022 (tCO2E)</b>	
<b>GHG Emissions created in calendar year 2022</b>	
Total Emissions (tCO2e)	22
Total BioCO2	2031
Total Emissions for Offsets (tCO2e)	1529
<b>Adjustments to GHG Emissions Reported in Prior Years</b>	
Total Offset Adjustment (tCO2e)	0
<b>Grand Total Offsets for the 2022 Reporting Year</b>	
Grand Total Offsets (tCO2e) to be Retired for 2022 Reporting Year (from Offset Invoice):	1529
Offset Investment (\$25 per tCO2e)	\$38,225.00

### **Emissions Reduction Activities**

#### **Actions Taken by the Rocky Mountain School District to Reduce Greenhouse Gas Emissions in 2022**

Projects to reduce energy consumption and greenhouse gas emissions implemented in 2022 included:

- A new electric school bus went into operation in Invermere late in 2022.
- Selkirk Secondary School lighting upgraded with LED high efficiency light fixtures complete with dimming controls.
- Eileen Madson Primary lighting upgraded with LED high efficiency light fixtures complete with dimming controls.
- Eileen Madson Primary received an upgrade to the HVAC system.
- Windermere Elementary School received an upgrade to their current HVAC system.
- Edgewater Elementary School received an upgrade to their current HVAC system.

## **Plans to Continue Reducing Greenhouse Gas Emissions 2023 – 2028**

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 in Kimberley in 2023 (now 3 total in the district).
- Summer 2023 two schools will be undergoing interior lighting upgrades to install high efficiency LED light fixtures complete with dimming and occupancy controls.
- Summer 2023 one elementary school will undergo HVAC upgrade.
- Summer 2023 one maintenance building will undergo a thermal energy efficiency building envelope upgrade.
- Summer 2023 one high school will have a solar panel installed
- Summer 2023 electrical service upgrades will commence to support an electric white fleet.
- Designs for boiler replacements at Elementary other schools.
- Two high schools will remain to undergo a HVAC upgrades.
- Two more Elementary School will be upgraded with LED high efficiency light. Fixtures complete with dimming controls in the coming years.
- 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 2022 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.