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## 2020 PSO Climate Action Accountability Report

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

#### Executive Summary

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.

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, as well as 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, and education programs emphasizing 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.

*Karen Shipka*

Karen Shipka  
Superintendent of Schools



## **2020 Greenhouse Gas Emissions**

<b>School District No. 6 (Rocky Mountain) GHG Emissions and Offsets for 2020 (TCO2E)</b>	
<b>GHG Emissions created in calendar year 2020</b>	
Total Emissions (tCO2e)	1334
Total BioCO2	1.41
Total Emissions for Offsets (tCO2e)	1332
<b>Adjustments to GHG Emissions Reported in Prior Years</b>	
Total Offset Adjustment (tCO2e)	0
<b>Grand Total Offsets for the 2020 Reporting Year</b>	
Grand Total Offsets (tCO2e) to be Retired for 2020 Reporting Year (from Offset Invoice):	1336
Offset Investment (\$25 per tCO2e)	\$33,400.00

### **Emissions Reduction Activities**

#### **Actions Taken by the Rocky Mountain School District to Reduce Greenhouse Gas Emissions in 2020**

Projects to reduce energy consumption and greenhouse gas emissions implemented in 2020 included:

- Lady Grey Elementary School lighting upgraded with LED high efficiency light fixtures complete with dimming controls.
- Marysville Elementary School boilers were upgraded with three high efficiency condensing boilers.
- Nicholson Elementary School received a building envelope upgrade which included installation of new high efficiency windows, new exterior doors, new continuous exterior thermal insulation, new air barrier and siding.
- Open Doors Alternate Education Learning Center HVAC system upgraded with a new high efficiency furnace and heat pump.
- Marysville Elementary HVAC building automation controls upgraded to improve performance.
- Windermere Elementary HVAC building automation controls upgraded to improve performance.
- Upgraded a maintenance building's roof insulation during a re-roofing project.

## **Plans to Continue Reducing Greenhouse Gas Emissions 2021 – 2026**

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 June 2021,
- Summer 2021 four Elementary schools will be undergo an interior lighting upgrade to install high efficiency LED light fixtures complete with dimming and occupancy controls.
- Summer 2021 new high efficiency boilers will be installed at an Elementary school.
- Summer 2021 two elementary schools will undergo HVAC control upgrades.
- Designs for boiler replacements at other Elementary schools.
- DDC control upgrades and installations on various buildings.
- 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 behavioural 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 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.