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## 2023 PSO Climate Change Accountability Report


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

#### Executive Summary

This Climate Change Accountability Report for the period January 1, 2023 to December 31, 2023 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2023 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2024 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 2023 has improved over the prior year. As the district continues to layer in electric vehicles and endeavors to continue with facility improvements, we anticipate a continued decrease in emissions in the coming years.

  
Steve Wyer (May 31, 2024 11:04 MDT)

Steve Wyer  
Assistant Superintendent of Schools



## 2023 Greenhouse Gas Emissions

<b>School District No. 6 (Rocky Mountain) GHG Emissions and Offsets for 2023 (TCO2E)</b>	
<b>GHG Emissions created in calendar year 2023</b>	
Total Emissions (tCO2e)	22.8
Total BioCO2	1829
Total Emissions for Offsets (tCO2e)	1323
<b>Adjustments to GHG Emissions Reported in Prior Years</b>	
Total Offset Adjustment (tCO2e)	0
<b>Grand Total Offsets for the 2023 Reporting Year</b>	
Grand Total Offsets (tCO2e) to be Retired for 2022 Reporting Year (from Offset Invoice):	1323
Offset Investment (\$25 per tCO2e)	\$33,075.00

### Emissions Reduction Activities

#### **Actions Taken by the Rocky Mountain School District to Reduce Greenhouse Gas Emissions in 2023**

Projects to reduce energy consumption and greenhouse gas emissions implemented in 2023 included:

- Thermal efficiency upgrade including new windows at the Golden Zone Office.
- Golden Secondary School solar panel inverter replaced.
- Mckim Middle School upgraded lighting to LED.
- Nicholson Elementary upgraded lighting to LED.
- Work commenced to upgrade the electrical service in Golden and Kimberley to support white fleet electrification.
- Marysville Elementary School received an upgrade to their current HVAC system.
- David Thompson School received a new heat pump.
- A new electric school bus went into service in Kimberley.
- A high efficiency furnace and new thermostats were installed at Eileen Madson Primary.
- Lady Grey Elementary thermal upgrades to improve heat loss and retention.

## Plans to Continue Reducing Greenhouse Gas Emissions 2024 – 2029

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:

- Summer 2024 one elementary school will undergo a lighting upgrade.
- Summer 2024 one maintenance building will undergo an HVAC upgrade.
- Summer 2024 one alternate school will undergo an exterior building envelope upgrade.
- Summer 2024 electrical service upgrades will commence to support an electric white fleet.
- Minor thermal upgrades will continue at Lady Grey Elementary.
- Designs for boiler replacements at several 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 2023 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.