

2021 PSO CLIMATE CHANGE ACCOUNTABILITY REPORT

SCHOOL DISTRICT 22 (VERNON)

DECLARATION STATEMENT

This Carbon Neutral Action 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 2022 and beyond.

ACTIONS TAKEN TO MINIMIZE EMISSIONS

BUILDINGS

Actions taken to minimize emissions within our buildings include:

- Installed Geothermal systems in 6 School District Buildings.
- Undertaking a project to retrofit all school lighting with LED fixtures
- District wide organics collection
- Converted portable classrooms to Natural gas from Propane
- Installing heat pumps in all current HVAC upgrades
- Upgrading R-Values with added insulation and windows to building during renovations
- Replacing and upgrading Digital Direct HVAC controls for maximum efficiency
- Installing Economisers to rooftop HVAC units
- Reducing water consumption in all buildings
- Adding occupancy sensor controls where applicable
- Heating plant optimization

VEHICLE FLEET

Actions taken to minimize emissions from our vehicle fleet include:

- Downsizing our trades fleet to fuel efficient vehicles
- Operating two electric school buses.

PAPER CONSUMPTION

The School District continues to use PaperCut software to track and report paper consumption. This provides environmental information on the impact of paper consumed through our photocopiers and printers.

SCHOOL PROGRAMS

ALEXIS PARK ELEMENTARY

Recycle programs (paper, cardboard, plastics, and 'return it' containers), school garden, community litter clean-ups, staff bike to work challenge/team, reusable bottle filling stations (2), engaging walking field trip options

ALTERNATIVE LEARNING PROGRAM

We recycle paper, cardboard, plastics, bottles/cans... We have a school garden.

BEAIRSTO ELEMENTARY

Recycle paper, cardboard, plastics, school garden, compost paper towel and all food, community litter clean-ups, salmonid programme, bike to work week, reusable bottle filling stations, hydroponic garden, led lighting and dimmer switches throughout the building - walking as much as possible - tree planting and planning.

BX ELEMENTARY

Recycle programs (paper, cardboard, plastics, and 'return it' containers), school garden, community litter clean-ups, , reusable bottle filling stations (3), engaging walking field trip options, education in classrooms

CHARLES BLOOM SECONDARY

We recycle all drink containers, plastic bags, cardboard, tin cans, organic waste composting in foods room. We are starting a paper waste program after Spring Break. We will weigh our amount each week and try to reduce over time.

CHERRYVILLE ELEMENTARY

Recycle program (juice boxes, paper, cardboard, etc). PAC uses compostable containers for hot lunch. School garden and hoping to start composting for garden in the spring. Students help clean up garbage at the community park. Water filling station.

CLARENCE FULTON SECONDARY

Recycling paper in all areas of school; real dishes for our breakfast program that our cafeteria students clean; Our resource room students recycle all the pop cans in our school; our CIC is looking into composting currently to have within our school.

COLDSTREAM ELEMENTARY

Composting as much as possible (all paper towel used in school each day, all compostable foods, cardboard and other materials, etc.); recycling of all recyclable materials; plants in some classrooms; spring gardening; we ask students to avoid bringing to school or to take home any materials that we don't currently have a recycling program in place for (ex. juice boxes); encourage bringing litterless lunches; approx. 30% of our school that rides bikes/scooters to school as often as possible; regular neighbourhood and beach clean-ups; approx. 30% students ride the school bus (avoid single-user vehicles); paperless communication of student learning as much as possible; paperless newsletters, information, attendance, etc.; paperless lesson planning and instruction often.

CROSSROADS LEARNING CENTRE

We recycle paper, cardboard, plastics, bottles/cans. We are applying for a school garden grant. Organic waste goes to chickens.

HARWOOD ELEMENTARY

We recycle paper, cardboard and plastics.

J. W. INGLIS ELEMENTARY

We recycle paper, cardboard and plastic in a container that gets picked up weekly. One of our grade 3 classrooms collects juice containers, plastic bottles and cans for recycling and brings them to the local recycle depot for cash! Biodegradable waste is collected in classroom containers for either the black compost container in the courtyard or the worm composting bin in either their classroom or in the office. Worm castings and compost from the container in the courtyard, go into the garden containers. Will be doing spring gardening. Shredded paper also goes into the worm bins. April 22 (Earth Day) assembly will be focused on all we recycle, reuse, and reduce... banana peels come back as tomatoes!

KIDSTON ELEMENTARY

Compost program, school garden with a Seed to Plate mentor (focusing on healthy cooking with students), recycling program (paper, plastic, cardboard, bottles, juice boxes, and cans), no plastic utensils for hot lunches and compostable or recyclable containers and wrappers, plastic-free Valentine's Day, water filling station, Salmon release program, walking field trips to Kal park, Sovereign park, and Fylton forest, Landed learning program with the Science Centre, and collaboration with the Allen Brooks Nature centre/Science Centre student programs. We encourage families and students to bike and walk to school with additional bike racks to support this program.

LAVINGTON ELEMENTARY

Compost, School Garden, Water filling stations, recycling (paper, plastic, cardboard, milk containers), Dimmer switches (all L.E.D lights) Geo Thermal System, Walking and Riding to School.

OKANAGAN LANDING ELEMENTARY

OKL has an active composting and recycling program run by students with our ISW and other staff members. Juice boxes and bottles are cleaned, collected, and sorted by students. Compost is picked up from classrooms weekly by students and taken to our compost bins in the garden.

OPEN DOOR

We recycle paper, cardboard, plastics, bottles/cans, coffee cups.

SILVER STAR ELEMENTARY

WE recycle paper, cardboard however, now it doesn't work as well since the blue bins are not being picked up each week by Venture Training. We recycle bottles, juice boxes and cans. We have a garden that we walk to. There are 2 classes that manage the garden. We have a water filling station. We work on liter less lunches especially in all primary classes. The majority of our students walk/ride/scooter to school. Regular classes take care of our school yard clean up each week. Many if not all do outdoor walking/biking fieldtrips to downtown and around Vernon. As much as possible communication is paperless.

VERNON SECONDARY

We have a recycling program in our school which has containers in classrooms as well as in the hallways. Our basement has a sorting area for recycling. Our social justice class often takes on initiatives each semester. We have a composter in our cafeteria area for organic materials.

W. L. SEATON SECONDARY

Recycling program (for paper and plastics, but the Rotary Club also has recycling bins for drink containers that they take care of for fundraising), compost program.

PLANS TO CONTINUE REDUCING EMISSIONS

BUILDINGS

The School District continues to upgrade HVAC units and controls for efficiency and is seeking to install further geothermal systems where feasible.

VEHICLE FLEET

The School District is in the process of replacing four more gas school buses with electric models.

Continuing this trend, the Transportation team is assessing the feasibility of initiating the purchase of another electric bus, for a total of seven electric school buses.

The School District is also seeking to acquire three propane busses, which have a lower carbon footprint than traditional gasoline busses.

SCHOOL PROGRAMS

The School District continues to raise awareness of environmental matters at the school level. For example, a Youth Climate Action Summit was recently held. This is creating an environmental awareness among our students, and teaching them the skills they need to lessen their impact on the environment. Our students are tomorrow’s leaders, and so this education is fundamental to future environmental success.

GREENHOUSE GAS EMISSIONS AND OFFSETS FOR 2021

Greenhouse Gas emissions created in calendar year 2021	
Total Emissions (tCO ₂ e)	1,932
Total BioCO ₂	123.21
Total Offsets (tCO ₂ e)	1,625
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO ₂ e)	37
Grand Total Offsets for the 2021 Reporting Year	
Grand Total Offsets (tCO ₂ e) to be Retired for 2020 Reporting Year	1,662
Offset Investment (\$25 per tCO ₂ e)	41,550

RETIREMENT OF OFFSETS

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, The Board of Education of School District 22 (Vernon) (**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.

EXECUTIVE SIGN-OFF:



May 13, 2022

Signature

Date

Adrian Johnson

Secretary-Treasurer

Name (please print)

Title