



**SCHOOL DISTRICT #81 (FORT NELSON)
2016 CARBON NEUTRAL ACTION REPORT**

Art on the cover was prepared for our Annual Earth Day Event entitled “Love Earth”

Entries were from our J.S. Clark Primary School

They included the following:

Hedgehog Haven – made from recycled textbooks - a joint entry by Grades 3 and 4

Cardboard Portraits – made from recycled cardboard – Grade 2

Water Bottle Trees – made from recycled water bottles – Kindergarten and Grade 1

EXECUTIVE SUMMARY

School District #81 (Fort Nelson) is one of the smallest school districts in British Columbia, with a student population of less than 800. Staff and students are located in seven locations. Within the Northern Rockies Regional Municipality we have two primary schools with students from Kindergarten to Grade 4, one middle school with students from Grades 5 to 7, and one highschool with students from Grades 8 to 12. As well, we have a maintenance yard and a school board office. In Toad River, two hours north of Fort Nelson, we have a Kindergarten to Grade 12 two-room school, and two teacherages.

School District #81 believes that leadership, in attempting to reduce our carbon footprint, is best demonstrated through action and example.

This was a particularly busy year in School District #81 so a decision was taken to just maintain our direction to encourage a culture of responsible stewardship of our environment in 2016. We moved into the “coaching” phase of our B.C. Hyrdo Optimization program at Fort Nelson Secondary School.

Our schools continue to encourage students to reduce their carbon footprint through a number of ongoing “green” activities and education. All of our schools participate in recycling programs including cans, water bottles, paper, cardboard, and phonebooks. A few years ago we put hydration stations in all of our schools – we continue to encourage students to bring their own water bottles to school to use at these stations. We encourage a “lights off” or “reduced light” approach when vacating a classroom temporarily or participating in some activities when an abundance of light is not necessary.

Our Grade 5-7 school composts in every classroom; students planted trees as part of the Elementary Challenge Program; uses recycled materials to build and create art in their Imagination Station; and teaches sustainability in their ASPIRE science program.

EMISSIONS AND OFFSET SUMMARY TABLE

Scope 1 – Direct Emissions	
Fleet	29.67 tonnes
Stationary Combustion Reported	487.75
Scope 2 – Indirect Emissions	
Purchased Energy Reported	12.51
Scope 3 – Office Paper	14.01
 Total 2015 Emissions	 544
Offset Exempt	8
Total Offset Purchase for 2014	536

School District #81 has a total offset purchase of 536 tonnes of TCO₂E for 2016, resulting in a cost of \$14,070.

DECLARATION STATEMENT

This Carbon Neutral Action report for the period January 1, to December 31, 2016 summarizes our emissions profile, the amount of offsets purchased to reach net zero emissions, the actions we have taken in 2016 to reduce our greenhouse gas emissions, and our plans to continue reducing emissions in 2017 and beyond.

By June 30, 2016 School District #81 (Fort Nelson) final Carbon Neutral Action Report will be posted to our website at www.sd81.bc.ca.

Respectfully Submitted,

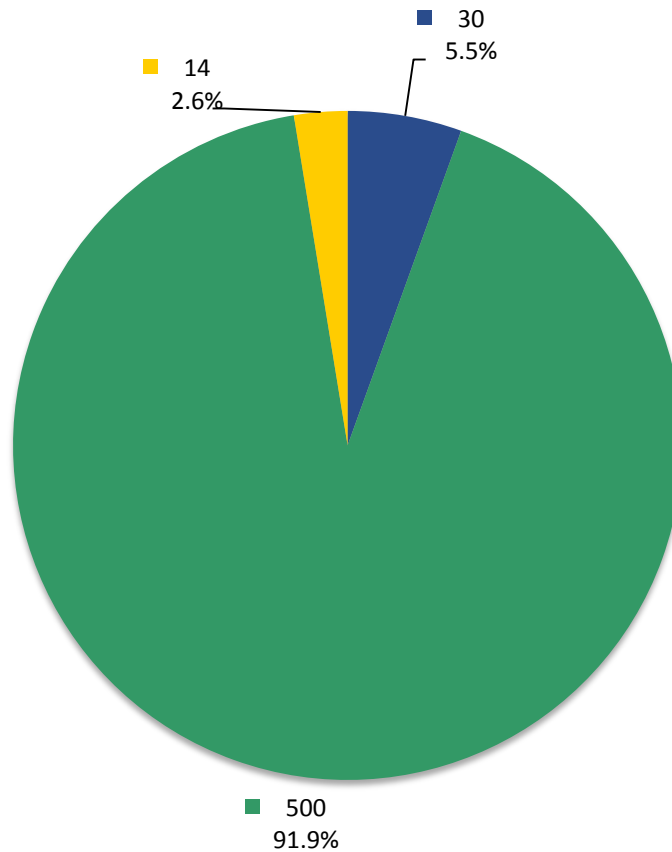


Diana Samchuck
Superintendent of Schools



Margaret-Anne Hall
Secretary-Treasurer

**School District 81 - Fort Nelson
Greenhouse Gas Emissions by Source
for the 2016 Calendar Year (tCO₂e*)**



Total Emissions: 544

- Mobile Fuel Combustion (Fleet and other mobile equipment)
- Stationary Fuel Combustion (Building Heating and Generators) and Electricity
- Supplies (Paper)

Offsets Applied to Become Carbon Neutral in 2016 (Generated May 15, 2017 3:43 PM)

Total offsets required: **536**. Total offset investment: **\$13,400**. Emissions which do not require offsets: **8** **

*Tonnes of carbon dioxide equivalent (tCO₂e) is a standard unit of measure in which all types of greenhouse gases are expressed based on their global warming potential relative to carbon dioxide.

** Under the *Carbon Neutral Government Regulation of the Greenhouse Gas Reduction Targets Act*, all emissions from the sources listed above must be reported. As outlined in the regulation, some emissions do not require offsets.

2016 Carbon Neutral Action Report Survey

Part One (external)

Contact Name(s):

Margaret-Anne Hall

Organization Name:

School District #81 (Fort Nelson)

Please select your sector:

- School District

1) Stationary Sources (Buildings, Power Generators): Fuel Combustion, Electricity use, Fugitive Emissions.

During 2016, did your organization take any of the following actions to support emissions reductions from buildings?

Select all that apply

(No response)

Briefly describe your organization's plans to continue reducing emissions from its stationary sources in future years.

We completed energy audits on all of our buildings in 2015 and have identified areas to be addressed. We have applied under the 5 year capital program to complete a ventilation project at our highschool.

During 2016, did your organization participate in utility-sponsored energy demand management program(s) (e.g. BC Hydro's Energy Management (Manager))?

Yes

If yes, please describe briefly:

We are involved with the BC Hydro Optimization program - we are at the coaching phase.

2) Mobile Sources (Vehicles, Off-road/Portable Equipment): Fuel Combustion.

During 2016, did your organization take any of the following actions to support emission reductions from its mobile sources?

Select all that apply

(No response)

Briefly describe your organization's plans to continue reducing emissions from its mobile sources in future years.

We continue to encourage our maintenance staff to plan their travel to accommodate more than one person.

3) Supplies (Paper):

During 2016, did your organization take any of the following actions to support emissions reductions from paper supplies?

Select all that apply

(No response)

Briefly describe your organization's plans to continue reducing emissions associated with its office paper use in future years.

We encourage the schools to have the students use both sides of their paper. As well, we encourage the use of discarded paper for alternate uses such as art projects, doodling, scrap for "rough" work.

4) Other Sustainability Actions:

Business Travel:

During 2016, did your organization take any of the following actions to support emissions reductions from business travel?

Select all that apply

-
- Other, please describe briefly: participated in a government sponsored rural education input opportunity by skype
-

Education Awareness:

During 2016, did your organization have any of the following programs or initiatives to support sustainability education and awareness?

Select all that apply

-
- Green, Sustainability or Climate Action Team
-

Other Sustainability Actions:

During 2016, did your organization have any of the following programs or initiatives to support sustainability?

Select all that apply

(No response)