



## 2017 Carbon Neutral Action Report

### School District No. 52 (Prince Rupert)

#### **Declaration statement:**

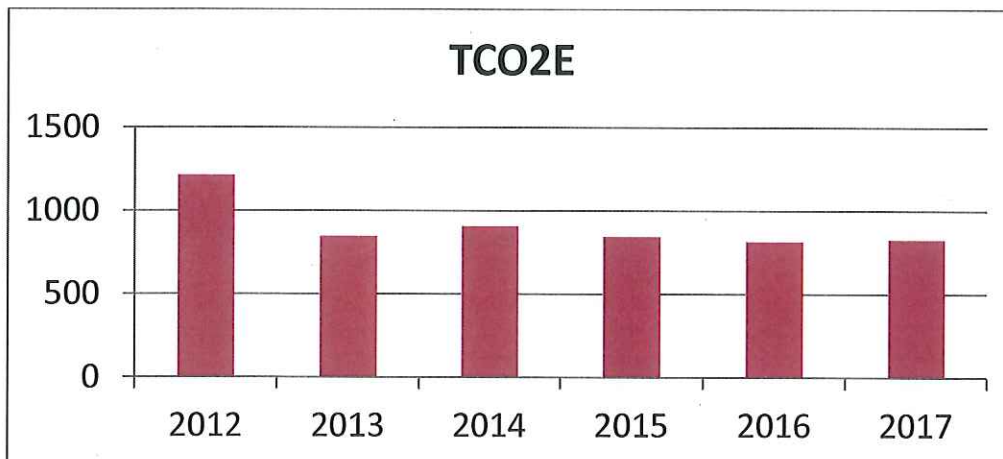
This Carbon Neutral Action Report for the period January 1<sup>st</sup>, 2017 to December 31<sup>st</sup>, 2017 summarizes the emissions profile, the total offsets to reach net-zero emissions, the actions taken in 2017 to reduce greenhouse gas emissions and plans to continue reducing emissions in 2018 and beyond.

By June 30, 2018 the final *Carbon Neutral Action Report* for School District No. 52 (Prince Rupert) will be posted to the district website at [www.rupertschools.ca](http://www.rupertschools.ca).

#### **Executive Summary**

School District No. 52 is a district of approximately 2,000 students. In 2017 the district educated its students in five elementary schools, one middle school, one secondary school, one Aboriginal village school and one distributed learning storefront school. The district is supported by a maintenance building, an aboriginal education administration building and a board office. Five Prince Rupert trustees and one rural trustee represent the communities of School District No. 52. Of its 15 sites, 12 are owned (3 of these are currently closed with no heat maintained in 2 of the 3), 1 is band owned and 2 are leased. The average age of the owned buildings is over 40 years.

With funding being scarce and aging facilities, the District looks to carbon neutral projects that deliver savings directly or indirectly by reducing maintenance on its facilities and vehicles. In the last three years the district has completed a number of energy efficiency upgrades. The cumulative impact of these improvements is demonstrated by the decreasing tonnes of emissions from the district.



## **Overview**

### **2017 Greenhouse Gas Emissions**

#### **Actions Taken to Reduce Greenhouse Gas Emissions in 2017**

School District No. 52's key actions taken during 2017 toward carbon neutrality were the completion of energy upgrades at an elementary school. School District No. 52's efforts are aimed at retrofitting aging buildings with higher efficiency equipment and consideration of replacement or closure of buildings. The district is looking to take advantage of fossil fuel reduction projects like lighting retrofits and HVAC system upgrades, including boilers – particularly where there is sharing of project funding, a reasonable payback period or straight savings to the district. Additional boiler study work was completed in 2017.

#### **Plans to Continue Reducing Greenhouse Gas Emissions in 2018**

Implementation of an energy efficiency project will be completed at another elementary school in 2018. Work has been approved for a boiler replacement at the middle school. Work is also underway towards the eventual replacement of the middle school.

## **Report**

### **Mandate**

Carbon neutrality is linked to the mandate of the district by government regulation.

### **Sustainability Goals**

The Board's Energy Conservation and Environmental Stewardship Policy notes that the Board is committed to the continuous improvement of the district's energy management performance and to building a culture of sustainability and environmental stewardship.

### **Benefits**

There are significant financial benefits to reducing carbon emissions, both in terms of reduced energy costs and reduced carbon offset payments. Education of employees and students in ways to reduce energy use will have a broader benefit to the community as a whole.

## Emissions and Offsets Summary

<b>School District No. 52 (Prince Rupert) GHG Emissions and Offsets for 2017 (TCO2E)</b>	
<b>GHG Emissions created in calendar year 2017 (from SMARTTool Homepage):</b>	
Total Emissions	830
Total Emissions for Offsets	827
<b>Adjustments to GHG Emissions Reported in Previous Years (from SMARTTool Homepage):</b>	
Total Emissions	0
Total Emissions for Offsets	0
<b>Credit owing from PCT at end of 2015 reporting year (if applicable – from May 15 Invoice):</b>	
Credit Owing	0
<b>Total Emissions for Offsets for the 2017 Reporting Year (from Offset Invoice):</b>	<b>827</b>

### **Retirement of Offsets:**

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, School District No. 52 (Prince Rupert) is responsible for arranging for the retirement of the offsets obligation reported above for the 2017 calendar year, together with any adjustments reported for past calendar years. The district hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy ensuring that these offsets are retired on the district's behalf, the district will pay 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:**



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Signature

May 31, 2018

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Date

Cam McIntyre, CPA, CA

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Name

Secretary-Treasurer

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Title

# Part 1: CNAR Survey

## 1. General Information

Name: Cam McIntyre

Contact Email: Cam.McIntyre@sd52.bc.ca

Organization Name: School District No. 52 (Prince Rupert)

Sector: School District

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

During 2017, did your organization take any of the following actions to support emissions reductions from buildings? (please select all that apply)

Performed energy retrofits of the organization's building(s)

If you selected "*Performed energy retrofits of the organization's building(s)*":

How many buildings were retrofitted?: 1

If you selected "*Built, or are building new LEED Gold or other "Green" buildings*":

How many new "Green" buildings?:

Did your Organization perform any retrofits during 2017? Please describe briefly:

## 2a. Stationary Sources (eg. Buildings, Power Generators): Fuel Combustion, Electricity use, Fugitive Emissions.

Please briefly describe your organization's plans to continue reducing emissions from its stationary sources:

a) Over the next 1-5 years

Continue to implement energy-efficient building retrofits.

b) Over the following 6-10 years

Replace one or more buildings with LEED Gold buildings.

## 3. Mobile Sources (Vehicles, Off-road/portable Equipment): Fuel Combustion:

During 2017, did your organization take any of the following actions to support emission reductions from its mobile sources? (please select all that apply)

None of the above

If you selected "*Replaced existing vehicles with more fuel efficient vehicles (gas/diesel)*":

How many vehicles?:

If you selected "*Replaced existing vehicles with hybrid or electric vehicles*":

How many vehicles?:

## 3a. Mobile Sources (Vehicles, Off-road/portable Equipment): Fuel Combustion:

Please briefly describe your organization's plans to continue reducing emissions from its mobile sources:

a) Over the next 1-5 years

Will consider energy efficiency as vehicles are replaced.

**b) Over the following 6-10 years**

Will consider energy efficiency as vehicles are replaced.

## 4. Supplies (Paper): Indicate which actions your PSO took in 2017:

During 2017, did your organization take any of the following actions to support emissions reductions from paper supplies? (please select all the apply)

None of the above

If you selected "*Had a policy requiring the purchase of recycled content paper*":

State the required recycled content here (30%, 50%, 100%):

If you selected "*Had a policy requiring the purchase of alternate source paper (bamboo, hemp, wheat, etc)*", which type of alternate source paper did you use?

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

## 5. Other Sustainability Actions

### a) Business Travel

During 2017, did your organization take any of the following actions to support emissions reductions from business travel? (please select all that apply)

Encouraged alternative travel for business (e.g. bicycles, public transit, walking)

### b) Education/Awareness

During 2017, did your organization have any of the following programs or initiatives to support sustainability education and awareness? (please select all that apply)

None of the above

## c) Other Sustainability Actions

During 2017, did your organization have any of the following programs or initiatives to support sustainability? (please select all that apply)

An operations policy or program to facilitate the reduction and diversion of building occupant waste (e.g., composting, collection of plastics, batteries) from landfills or incineration facilities