



## 2015 Carbon Neutral Action Report

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

#### **Declaration statement:**

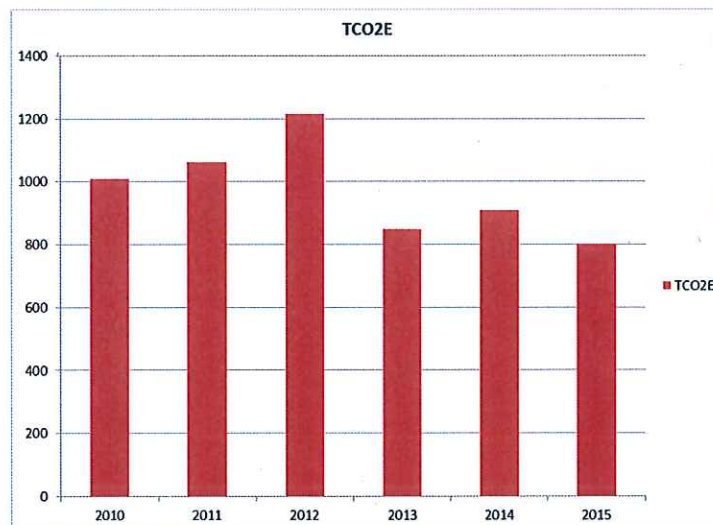
This Carbon Neutral Action Report for the period January 1<sup>st</sup>, 2015 to December 31<sup>st</sup>, 2015 summarizes the emissions profile, the total offsets to reach net-zero emissions, the actions taken in 2015 to reduce greenhouse gas emissions and plans to continue reducing emissions in 2016 and beyond.

By June 30, 2016 the final *Carbon Neutral Action Report* for School District No. 52 (Prince Rupert) will be posted to the district website at [www.sd52.bc.ca](http://www.sd52.bc.ca).

#### **Executive Summary**

School District No. 52 is a district of approximately 2,050 students. In 2015 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. Six trustees at large 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 major building envelope project and a number of energy efficiency upgrades. The cumulative impact of these improvements is demonstrated by the decreasing tonnes of emissions from the district.



## **Overview**

### **2015 Greenhouse Gas Emissions**

#### **Offsets Applied to Become Carbon Neutral in 2015**

Offsets for 844 Tonnes of carbon dioxide equivalent were purchased, which included 42 tonnes in adjustments to the reporting for 2014.

Certain bussing services for School District No. 52 were provided by a private contractor. These emissions of contractor assets are out-of-scope and have not been reported. Emissions reported for district bussing which do not require offsets were 21 Tonnes of carbon dioxide.

#### **Actions Taken to Reduce Greenhouse Gas Emissions in 2015**

School District No. 52's key actions taken during 2015 toward carbon neutrality included the first full year impact of the energy upgrades completed at 5 district school in the summer of 2014. Further energy upgrades were underway at the secondary school in 2015. 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 energy audit work was completed in 2015.

Two service vehicles were replaced in 2015. The replacement vehicles are more energy efficient than the vehicles that were replaced.

#### **Plans to Continue Reducing Greenhouse Gas Emissions in 2016 – 2018**

Implementation of the energy efficiency project was completed at the secondary school in early 2016. Design work for additional energy efficiency projects has been completed. These projects will be completed as funding is made available.

For the 2016-17 school year the district will no longer contract for bus services. Students impacted by this change are able to ride the municipal transit system. This will result in a reduction in greenhouse gas emissions.

## **Report**

### **Mandate**

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

### **Sustainability Goals**

The district's goal is to continue to take action to reduce carbon emissions.

### **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.

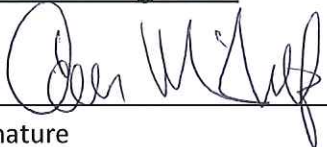
### Emissions and Offsets Summary

| <b>School District No. 52 (Prince Rupert) GHG Emissions and Offsets for 2015 (TCO2E)</b>          |            |
|---|------------|
| <b>GHG Emissions created in calendar year 2015 (from SMARTTool Homepage):</b>                     |            |
| Total Emissions   | 823        |
| Total Emissions for Offsets   | 802        |
| <b>Adjustments to GHG Emissions Reported in Previous Years (from SMARTTool Homepage):</b>         |            |
| Total Emissions   | 42         |
| Total Emissions for Offsets   | 42         |
| <b>Credit owing from PCT at end of 2014 reporting year (if applicable – from May 15 Invoice):</b> |            |
| Credit Owing  | 0          |
| <b>Total Emissions for Offsets for the 2015 Reporting Year (from Offset Invoice):</b>             | <b>844</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 2015 calendar year, together with any adjustments reported for past calendar years. The district hereby agrees that, in exchange for the Ministry of Environment ensuring that these offsets are retired on the district 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:

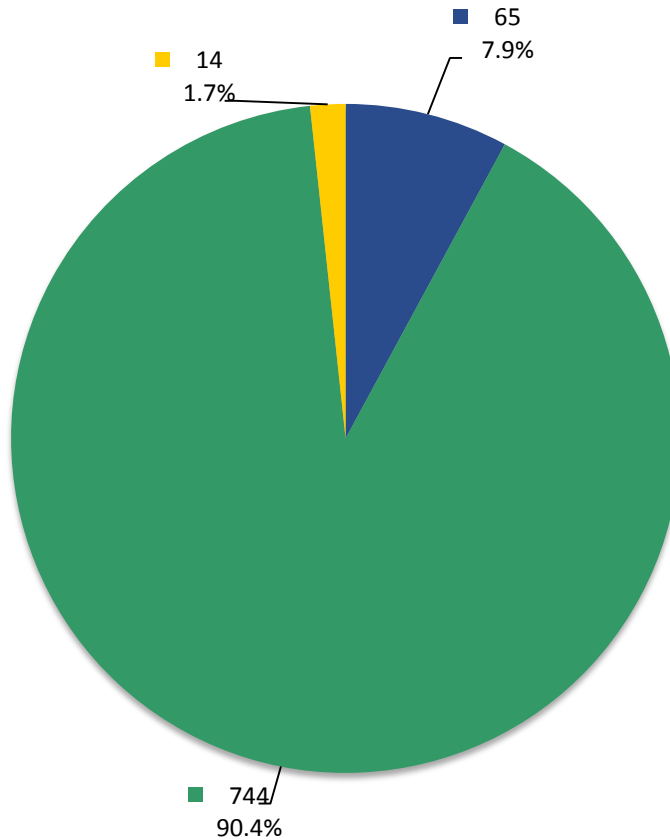
  
\_\_\_\_\_  
Signature

CAM MCINTYRE  
\_\_\_\_\_  
Name

MAY 31, 2016  
\_\_\_\_\_  
Date

SECRETARY-TREASURER  
\_\_\_\_\_  
Title

**School District 52 - Prince Rupert  
Greenhouse Gas Emissions by Source  
for the 2015 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 823**

- 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 2015 (Generated May 25, 2016 10:09 AM)**

Total offsets required: **802**. Total offset investment: **\$20,050**. Emissions which do not require offsets: **21** \*\*

\*Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) 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.

# 2015 Carbon Neutral Action Report Survey

Organization Name:

*School District No. 52 (Prince Rupert)*

Please select your sector:

- School District

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

Please indicate which actions your PSO took in 2015:

Have developed an overall strategy/plan to reduce energy use in your organization's buildings inventory:

*No*

If Yes, please describe:

*(No response)*

Undertook evaluations of building energy use:

*Yes*

Performed energy retrofits on existing buildings:

*Yes*

Built or are building new LEED Gold or other "Green" buildings:

*No*

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from buildings:

*Continuing to work for approval of funding to replace one school with a new LEED Gold school.*

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

Indicate which actions your PSO took in 2015:

Have put in place an operations policy/program to support systematic reductions in fleet related emissions:

(e.g., program to convert fleet to renewable fuels)

No

If Yes, please describe:

(No response)

Replaced existing vehicles with more fuel efficient vehicles (gas/diesel):

No

Replaced existing vehicles with hybrid or electric vehicles:

No

Took steps to drive less than previous years:

No

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from fleet combustion:

(No response)

3) Supplies (Paper):

Indicate which actions your PSO took in 2015:

Have put in place an operations policy/program to facilitate a systematic reduction in paper-related emissions:

(e.g., policy to purchase 100% Recycled Content; default to double-sided printing)

No

If yes, please describe:

(No response)

Have put in place an operations policy/program to facilitate behavioural changes from paper use:

(e.g. awareness campaign to reduce paper use):

No

If yes, please describe:

(No response)

Used only 100% recycled paper:

No

Used some recycled paper:

Yes

Used alternate source paper:

(e.g., bamboo, hemp, wheat etc.)

No

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from paper supplies:

(No response)

4) Other Sustainability Actions:

Please note that this section is optional

Business Travel

Created a low-carbon travel policy or travel reduction goal:

(low-carbon = lowest emission of greenhouse gas per kilometer per passenger)

*(No response)*

Encouraged alternative travel for business:

(e.g. bicycles, public transit, walking)

*(No response)*

Encouraged or allow telework/working from home:

*(No response)*

Other:

*(No response)*

Education Awareness

Have a Green/Sustainability/Climate Action Team:

*(No response)*

Supported green professional development:

(e.g. workshops, conferences, training)

*(No response)*

Supported or provided education to staff about the science of climate change, conservation of water, energy and/or raw materials:

*(No response)*

Other:

*(No response)*

## Adaptation Planning for Climate Risks

Have assessed whether increased frequency of extreme weather events and/or long term changes in climate will affect your organization's infrastructure, its employees and/or its clients:

*(No response)*

Have incorporated these anticipated changes in climate into your organization's planning and decision making:

*(No response)*

Other:

*(No response)*

## Other Sustainability Actions

Established a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models:

*(No response)*

Have put in place an operations policy/program to facilitate the reduction and diversion of building occupant waste stream from landfills or incineration facilities:

(e.g., composting, collection of plastics, batteries)

*(No response)*

Established green standards for goods that are replaced infrequently and/or may require capital funds to purchase:

(e.g., office furniture, carpeting, etc.)

*(No response)*

Incorporated lifecycle costing into new construction or renovations:

*(No response)*

Please list any other sustainability actions your organization has taken not listed above:

*(No response)*