



## 2017 CARBON NEUTRAL ACTION REPORT – SMALL EMITTERS FORM

**DUE: May 31, 2018**

This form is for the use of BC Public Sector Organizations whose GHG emissions were less than 600 tonnes CO<sub>2</sub>e during the previous reporting year (2016). Please fill in the required information below

**Organization Name:**

School District No. 87 (Stikine)

**Contact name:**

Ken Mackie

GHG Emissions and Offsets for 2017 (tCO <sub>2</sub> e)	
<b>GHG Emissions created in Calendar Year 2017 (from SMARTTool Homepage):</b>	
Total Emissions (tCO <sub>2</sub> e)	367
Total Offsets (tCO <sub>2</sub> e)	366
<b>Adjustments to GHG Emissions Reported in Prior Years (from SMARTTool Homepage):</b>	
Total Emissions (tCO <sub>2</sub> e)	0
Total Offsets (tCO <sub>2</sub> e)	0
<b>Grand Total Offsets for the 2017 Reporting Year (from SMARTTool Homepage):</b> (This is the total emissions that must be offset for Reporting Year 2017)	
Grand Total Offsets (tCO <sub>2</sub> e)	366

To enable comparisons with all B.C. public sector organizations, please provide the following data for your organization:

1. How many Full Time Equivalent (FTE) employees were part of your organization as of Dec 31, 2017? 48.2
2. What was the total amount of floorspace (m<sup>2</sup>) in your organization (including occupied and unoccupied space, owned or leased) as of Dec 31, 2017: 6,691 (m<sup>2</sup>)
3. What was the primary use of that space (office, education, warehousing, health services, lodging, arts and recreation, other)? education
4. How many motor vehicles did your organization own or lease as of Dec 31, 2017? 7



**Briefly describe the top three actions taken by your organization in 2017 to reduce GHG emissions and/or improve sustainability from its operations:**

Action
1. Installed a heat recovery system in Atlin School.
2. Installed a heat recovery system in Dease Lake School.
3. Installed a heat recovery system in Tahitan School.

**Briefly describe plans your organization has for continuing to reduce your GHG emissions in future years:**

**We are planning to**

- Install LED lighting in all of our facilities.
- install occupancy sensors in each room to ensure the lights are not on in unoccupied spaces.
- Continue to increase the use of electronic meetings
- requirement carpooling wherever possible.

**We are one of five school districts in the province that was chosen to participate in the**

## **Service Delivery Project – Energy Management Pilot Advisory**

### **Background**

**The Service Delivery Project is a K-12 sector and Ministry of Education co-led effort to find additional savings and efficiencies through shared delivery of services across BC school districts.**

The sector and Ministry of Education are working collaboratively to identify opportunities to achieve further savings and efficiencies in employment and labour matters, procurement, attendance support and wellness, facilities management, transportation, IT/communications and business systems.

In March 2016 the Service Delivery Project Steering Committee endorsed an energy management business case, which highlighted opportunities to realize energy reduction, cost savings and administrative efficiencies related to energy management. The business case recommended implementing a pilot program to provide energy management resources to school districts in underserved regions of the province. Following these recommendations, the Facilities Management Working Group (FMWG) established a subcommittee called the Energy Management Pilot Advisory (EMPA) to implement an energy management pilot program.

## Purpose

This energy management pilot program will be implemented to realize operational efficiencies and savings in underserved regions of the province, while creating a sustainable framework to support and provide capacity to school districts.

The five pilot school districts participating in the energy management pilot program will serve as key advisors to the program. The energy management pilot program has the following objectives:

1. To develop a “Centre of Energy Management Expertise” foundation model accessible by K-12 school districts in under-served regions of the province.
2. To provide assistance to school district facilities staff to identify and implement energy management programs that will help increase energy efficiency and cost savings (e.g., LED lighting, light timers and sensors, on-demand water heating, HVAC updating, insulation upgrading, window glazing).
3. To measure and assess operational savings and efficiencies achieved through energy management programs implemented (e.g., electricity (kWh)).

After the first few months we have received great feedback on how we can reduce our energy consumption. We are presently in the planning stage to implement some of these recommendations using the consultant hired for the project.

**Describe any actions your organization took during 2017 to strengthen its ability to manage the likely effects of climate change in the coming years and decades (e.g., 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.)

The winter and spring were colder than normal and the fall was warmer than expected which reduced our propane usage resulting in a lower offset than previous years. This will fluctuate every year due to being in northern BC and the normal extreme cold temperatures resulting in greater usage of propane and the increase of carbon output.

**Retirement of Offsets:**

In accordance with the requirements of the *Greenhouse Gas Reduction Targets Act* and Carbon Neutral Government Regulation, *School District No. 87 (Stikine)*, (the Organization) 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 Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy ensuring that these offsets are retired on the Organization's behalf, the Organization 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**

Name: (print)	Mike Gordon	Title: Superintendent
Signature:		Date: April 3, 2018

Please scan and email the completed form to [Carbon.Neutral@gov.bc.ca](mailto:Carbon.Neutral@gov.bc.ca)



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April 3, 2018

Reporting Unit:

School District 87 - Stikine

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Welcome Ken Mackle

These are the School District 87 - Stikine GHG Emissions and Offsets (tCO<sub>2</sub>e)\* for Reporting Year 2017, as of April 3, 2018

**GHG's created in Calendar Year 2017**

Total Emissions	Total Offsets	<a href="#">View Reports</a>
367	366	

**Adjustments to GHG's Reported in Prior Years**

Total Emissions	Total Offsets	<a href="#">View Event Log</a>
0	0	

**Grand Total Offset for the 2017 Reporting Year**

This is the total of emissions that require offset purchases for Reporting Year 2017

Grand Total Offsets  
366

\*Each greenhouse gas has been converted to a standard measurement (tCO<sub>2</sub>e) by multiplying its emissions by its global warming potential (GWP). The Totals for tCO<sub>2</sub>e are shown here rounded to the nearest whole metric tonne as only whole tonnes of tCO<sub>2</sub>e can be purchased for offsets.