



2016 CARBON NEUTRAL ACTION REPORT – SMALL EMITTERS FORM

DUE: May 31, 2017

This form is for the use of BC Public Sector Organizations whose GHG emissions were less than 600 tonnes CO₂e during the previous reporting year (2015). Please fill in the required information below

Organization Name:

School District No. 64 (Gulf Islands)

Contact name:

Lisa Halstead

GHG Emissions and Offsets for 2016 (tCO₂e)	
GHG Emissions created in Calendar Year 2016 (from SMARTTool Homepage):	
Total Emissions (tCO ₂ e)	336
Total Offsets (tCO ₂ e)	171
Adjustments to GHG Emissions Reported in Prior Years (from SMARTTool Homepage):	
Total Emissions (tCO ₂ e)	0
Total Offsets (tCO ₂ e)	0
Grand Total Offsets for the 2016 Reporting Year (from SMARTTool Homepage): (This is the total emissions that must be offset for Reporting Year 2016)	
Grand Total Offsets (tCO ₂ e)	171

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

- How many Full Time Equivalent (FTE) employees were part of your organization as of Dec 31, 2016? 212
- What was the total amount of floorspace (m²) in your organization (including occupied and unoccupied space, owned or leased) as of Dec 31, 2016: 30,658 (m²)
- What was the primary use of that space (office, education, warehousing, health services, lodging, arts and recreation, other)? education
- How many motor vehicles did your organization own or lease as of Dec 31, 2016? 12 (excluding buses)

Briefly describe the top three actions taken by your organization in 2016 to reduce GHG emissions and/or improve sustainability from its operations:

Action
1. School District No. 64 (Gulf Islands) supported a major solar initiative by the Pender Islands Community Energy Group resulting in the installation of a 105 panel solar photovoltaic array on the roof of the Pender Islands Elementary Secondary School on Pender Islands with an annual estimated electrical production of 25,000 kwh. The solar array is one of the larger school based arrays in BC.
2. Installed a digital control system for the heating and ventilation system at our Mayne Elementary/Jr. Secondary School on Mayne Island. The system enables direct digital control of the building systems, and is programmed to maximize operational efficiencies, limit energy consumption when building areas are not occupied, and provide immediate feedback on system operating problems.
3. Where practical, the district has continued to upgrade existing lighting fixtures with LED luminaries on a district wide basis.

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

For 2017, the district is planning building mechanical system upgrades for two schools. Specifically this will involve the replacement of existing low efficiency boilers with high efficiency condensing boilers and the optimization of the associated building HVAC systems with new digital control systems.
--

Describe any actions your organization took during 2016 to strengthen its ability to manage the likely effects of climate change in the coming years and decades (e.g., have assessed whether increased

Retirement of Offsets:

In accordance with the requirements of the *Greenhouse Gas Reduction Targets Act* and Carbon Neutral Government Regulation, *School District No. 64 (Gulf Islands)* (the Organization) is responsible for arranging for the retirement of the offsets obligation reported above for the 2016 calendar year, together with any adjustments reported for past calendar years. The Organization hereby agrees that, in exchange for the Ministry of Environment 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.

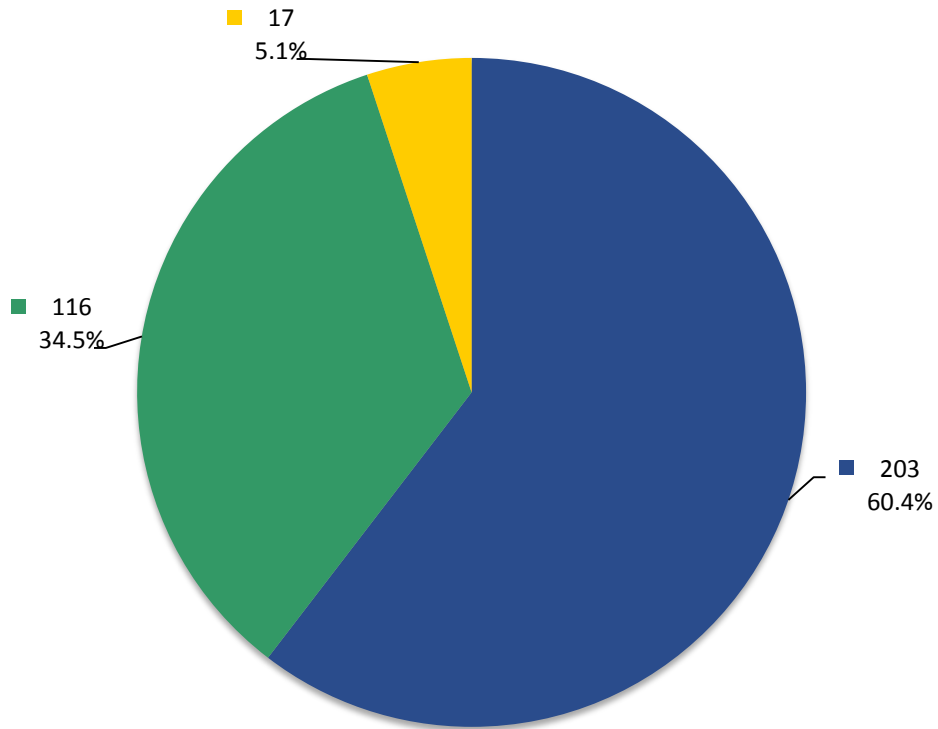
Executive Sign-off

Name: Lisa Halstead Title: Superintendent of Schools
(print) _____

Signature:  Date: May 30, 2017

Please scan and email the completed form to climateactionsecretariat@gov.bc.ca

**School District 64 - Gulf Islands
Greenhouse Gas Emissions by Source
for the 2016 Calendar Year (tCO₂e*)**



Total Emissions: 336

- 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 3:55 PM)

Total offsets required: **171**. Total offset investment: **\$4,275**. Emissions which do not require offsets: **165** **

*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.