

2016 Carbon Neutral Action Report

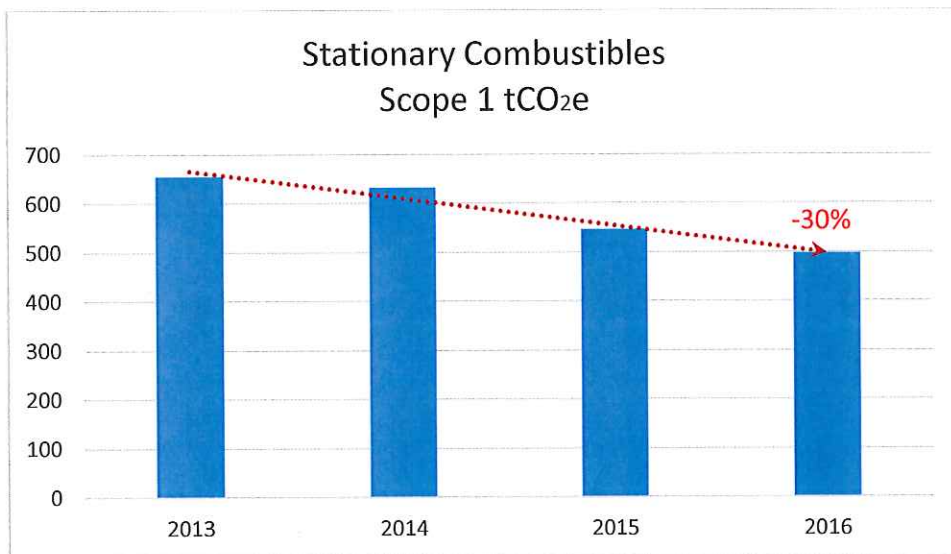
School District #53 Okanagan Similkameen

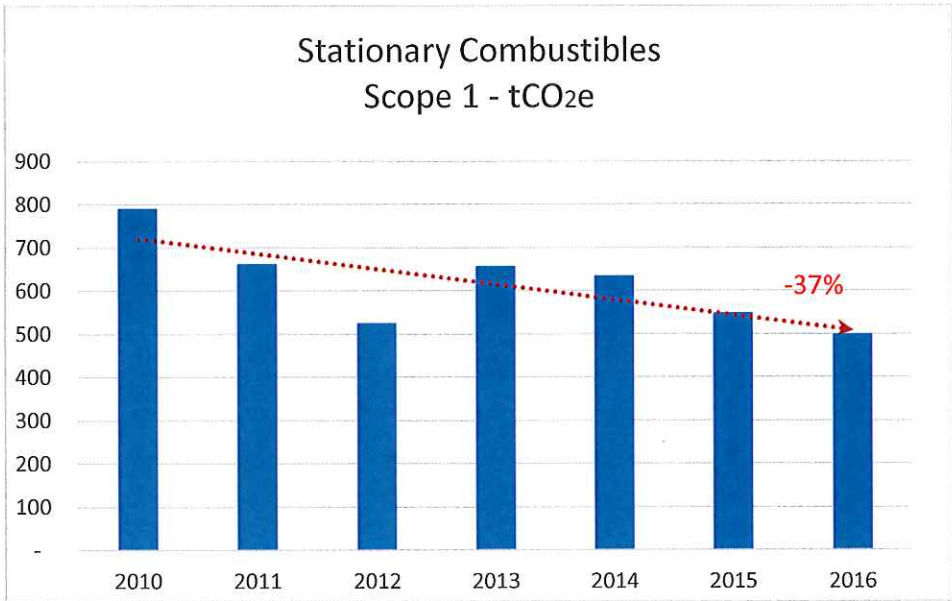
Declaration statement: This *Carbon Neutral Action Report* for the period January 1st to December 31st, 2016 summarizes our emissions profile, the amount of offsets purchased to reach net zero emissions, the actions we have taken in 2016 to reduce our greenhouse gas emissions and our plans to continue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

By June 30, 2017 School District #53 final *Carbon Neutral Action Report* will be posted to our website at www.sd53.bc.ca

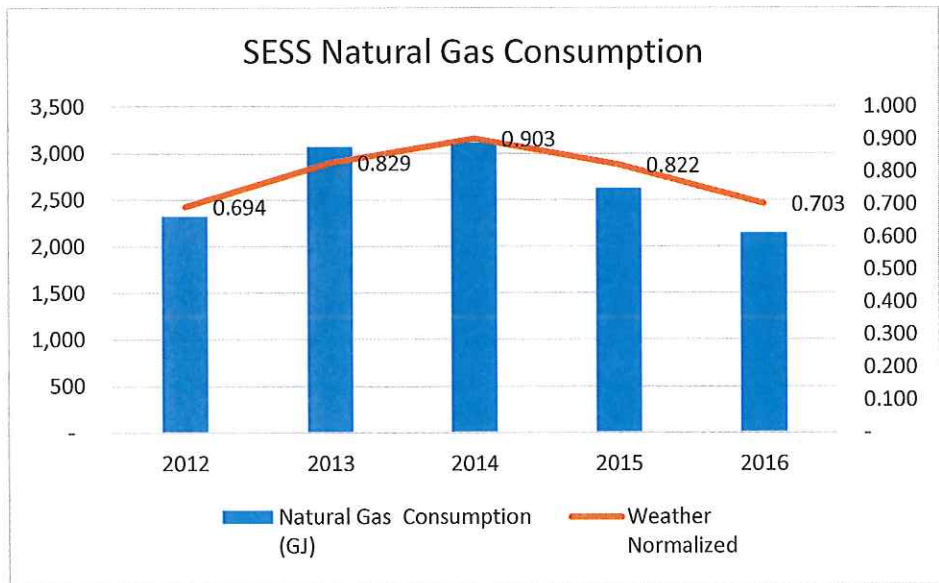
Overview:

Reductions continue with our on-going efforts to upgrade our systems and monitor our consumption. Since 2013 we have managed to reduce our emissions by 30% and since we started measuring in 2010 we have achieved a 37% overall reduction.





Each of our sites received an exterior lighting upgrade to LED technology and we are continuing to blanket the District with LED technology with an interior lighting upgrade. Staff has noticed the improvement in lighting quality. We will continue on with our mechanical system upgrades which are at end of life cycle. Our SESS is a great example of how the mechanical upgrade, which is still not completed, is providing greater savings every day. Started in 2013 and continued through the next 3 years it shows steady reductions.



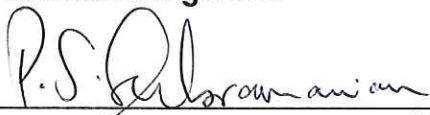
Emissions and Offsets Summary Table:

| <i>School District #53 GHG Emissions and Offsets for 2016 (TCO2E)</i> | |
|---|-----|
| GHG Emissions created in Calendar Year 2014 | |
| Total Emissions (TCO2E) | 856 |
| Total Offsets (TCO2E) | 647 |
| Adjustments to GHG Emissions Reported in Prior Years | |
| Total Emissions (TCO2E) | 15 |
| Total Offsets (TCO2E) | 15 |
| Total Emissions for Offset for the 2014 Reporting Year | |
| Total Offsets (TCO2E) | 662 |

Retirement of Offsets:

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, *School District #53 (Okanagan Similkameen (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:



 Signature

08 June 2017

 Date

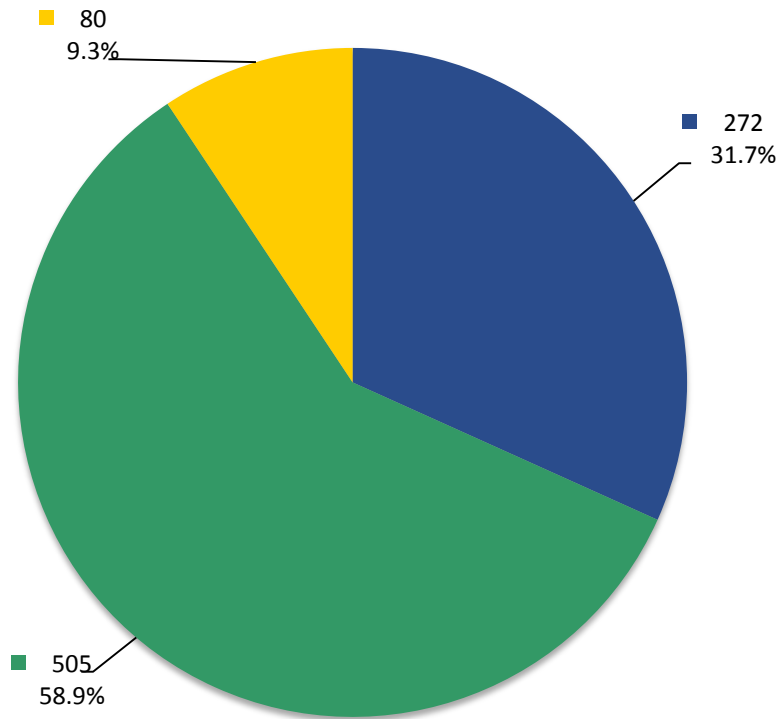
 Lynda Minnabarriet

 Name

Secretary Treasurer

 Title

**School District 53 - Okanagan Similkameen
Greenhouse Gas Emissions by Source
for the 2016 Calendar Year (tCO₂e*)**



Total Emissions: 856

- 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 4:02 PM)

Total offsets required: **647**. Total offset investment: **\$16,175**. Emissions which do not require offsets: **209** **

*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):

Deb Sansome

Organization Name:

School District #53 Okanagan Similkameen

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

- Conducted an energy audit/study of building(s) in the organization's portfolio

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

We have and will continue to make application for mechanical upgrades within our school to make them more efficient and provide our students with a healthy learning environment.

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

No

If yes, please describe briefly:

We are supported by Fortis BC in our area not BC Hydro. Their programs are based on energy savings on product purchased

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.

As funds become available, the white fleet will be upgraded. As our bus fleet meets Ministry criteria, we will also replace them with new, more efficient buses.

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

-
- Other actions? Please describe briefly.: working towards paperless by electronic printing
-

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

We are working to reduce the amount of paper utilized by changing mind-sets within the organization. When printing is required all printers default to double sided.

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

(No response)

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

(No response)

Other Sustainability Actions:

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

Select all that apply

-
- A water conservation strategy which may include a plan or policy for replacing water fixtures with efficient models
 - 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