

**SCHOOL DISTRICT NO. 69 (Qualicum)**  
**2015 Carbon Neutral Action Report**

This is the 2015 Carbon Neutral Action Report for School District No. 69 (Qualicum). This report contains our 2015 emissions profile, offsets purchased, the actions we have taken in 2015 to reduce our GHG emissions and our plan to continue reducing emissions in 2016 and beyond.

By June 30 School District No. 69 (Qualicum)'s final CNAR will be posted to our website at [www.sd69.bc.ca](http://www.sd69.bc.ca)

**Executive Summary:**

The district concluded the creation of a Board wide Strategic Plan in 2013. This plan included the following items which are applicable to emission reduction:

- Under values: "Social responsibility and environmental sustainability" and "Innovation as a means of ensuring that we respond and adapt to a changing world and new understandings".
- As a Guiding Principle: "Stewardship of the public investment in education in our community is crucial – this requires an unwavering commitment to fiscal responsibility and allocation of resources based on identified needs and strategic priorities." We see this guiding principle as including environmental stewardship as part of fiscal responsibility.

In 2014 the district concluded with a Framework for Action which included specific items the district embarked upon to meet the goals of the strategic plan.

Energy conservation is part of our ongoing work. Efforts to conserve energy are included throughout our 5 year capital plan and our Annual Facility Grant projects. In 2015, the district completed the following projects which will directly reduce carbon emissions:

- Through the replacement of end of life buses, the district chose to replace one with a propane bus. The district plans to continue evaluating every bus replacement and consider whether to purchase propane over diesel buses. We also continue to review the size of buses required in order to conserve energy.
- Engineering studies for boiler replacements were performed on three sites. In 2015 the District received funding to support 2 of the 3 replacements and will be going forward on those upgrade projects to replace the old boilers with high efficiency units.
- During summer 2015 the District did a replacement of the old boilers at Oceanside Elementary and installed high efficiency ones. This site runs on gas and we should now see a considerable reduction of our consumption.
- The district is continuing to make significant improvements to one of our isolated sites by finding ways to use less energy and alternate energy. Currently this site is reliant on energy produced by a diesel generator, by replacing the systems batteries and converter with new ones we are increasing the efficiency of the system overall, i.e. reducing the amount of energy lost. The district has also recently installed solar panels which decrease our dependence on the usage of diesel generator power. We also continue to work with local groups to investigate alternative energy solutions which may further reduce or eliminate the use of a diesel generator in the future.

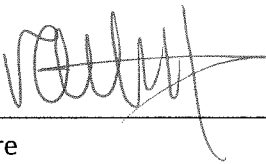
Energy conservation continues to be a goal for the district. Our Operations and Maintenance department has completed several projects that have implemented controls for heat and lights, retrofits for lighting and replacing plumbing fixtures with low flow units. These are all part of day to day operations.

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**Emissions and Offsets Summary:**

<b>School District No. 69 (Qualicum) Emissions and Offsets (tCO<sub>2</sub>e)</b>			
<b>GHG Emissions created in calendar year:</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
Total Emissions	1,876	1,953	2,206
Total Offsets for the Reporting Year	1,406	1,487	1,633
Prior Year Adjustments (tCO <sub>2</sub> e)	0		
Net 2015 Offset Requirements (tCO <sub>2</sub> e)	1,406		

In 2015, School District No.69 (Qualicum) paid \$39,086.25 to purchase offset credits. The District maintains a bus fleet for which offsets were not purchased. As required by section 5 of the Carbon Neutral Government Regulation, 558.71 tCO<sub>2</sub>e of emissions resulting from the operation of school buses were reported as part of our greenhouse gas emissions for 2015. However, they were not offset as they are out of scope under section 4(2)(c) of the Carbon Neutral Government Regulation.



Signature

MAY 30, 2016

Date

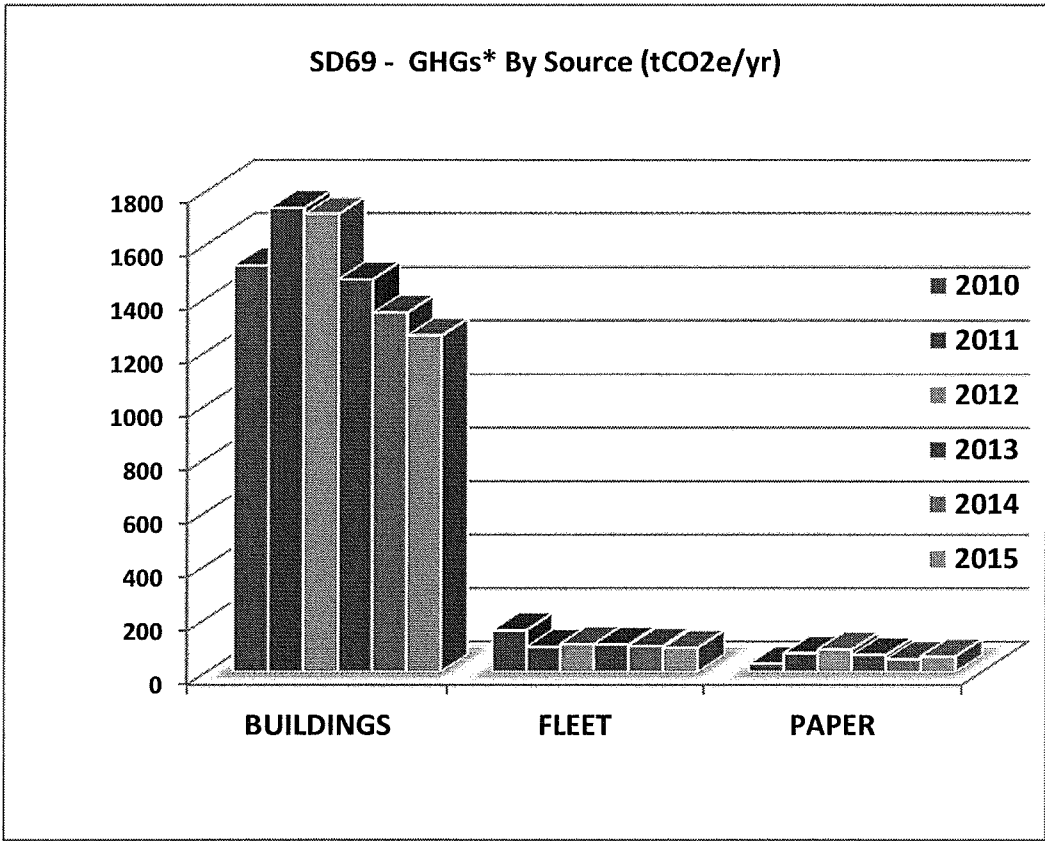
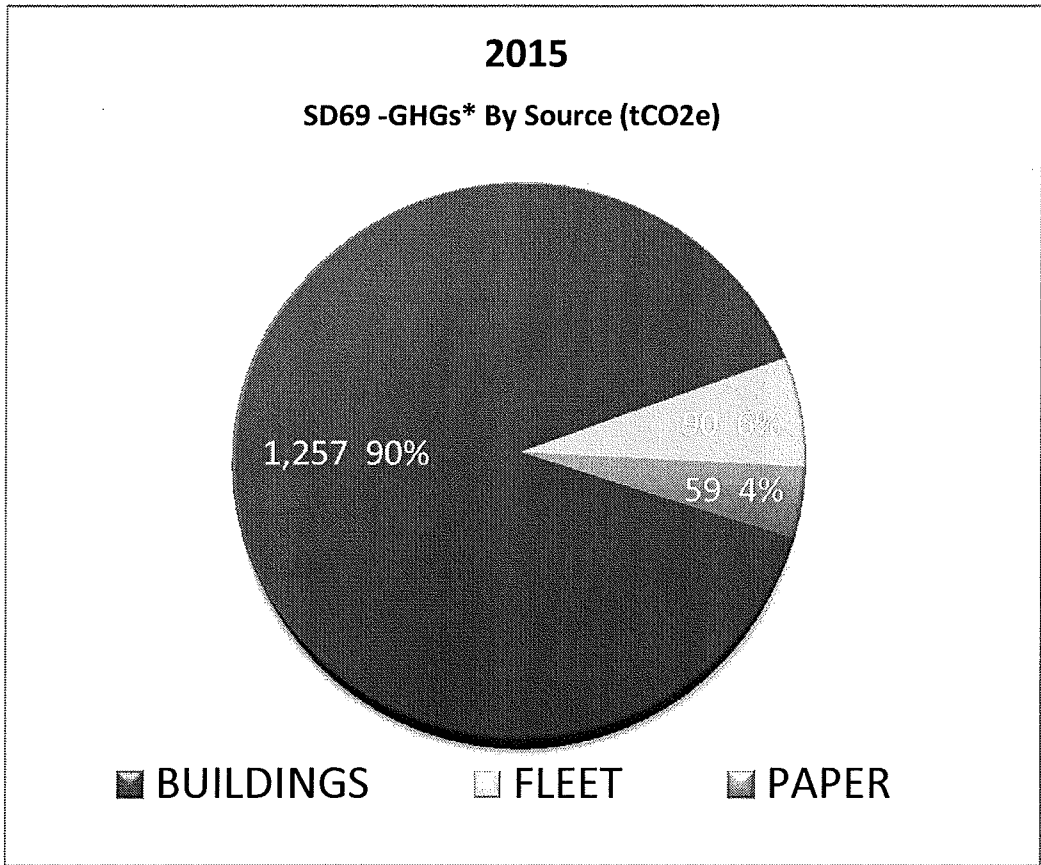
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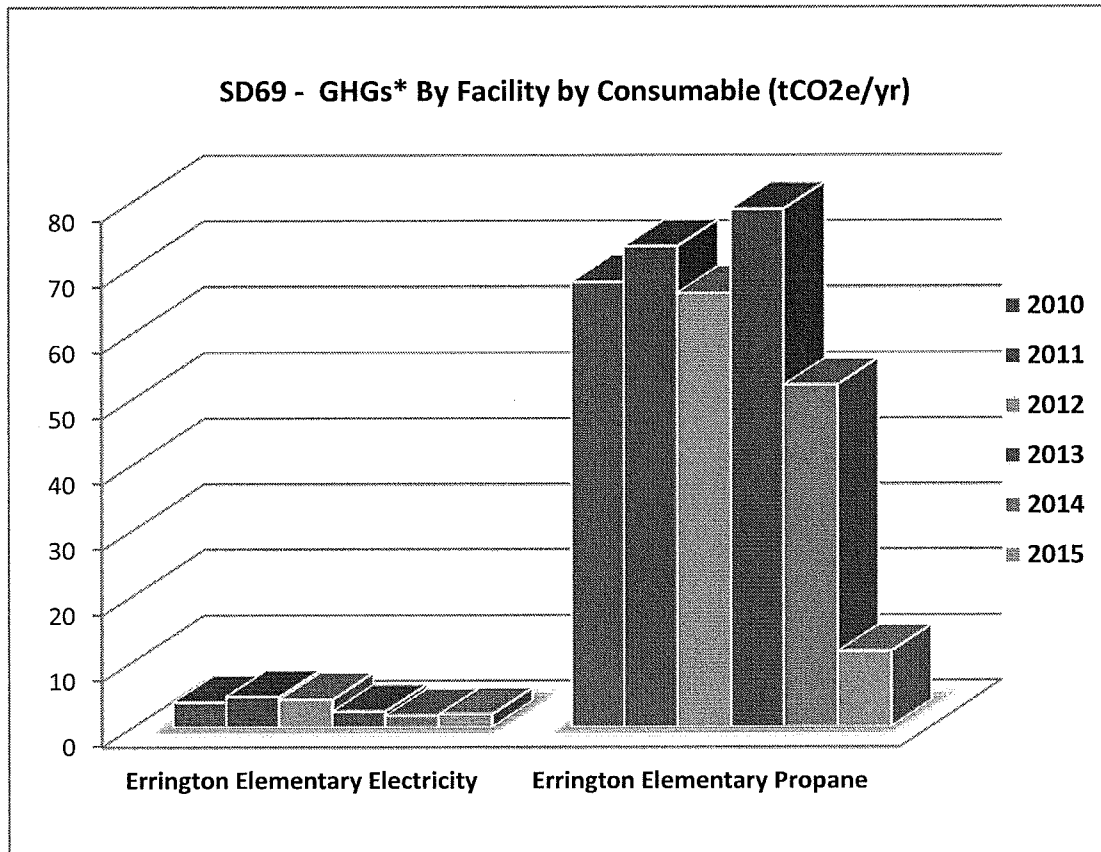
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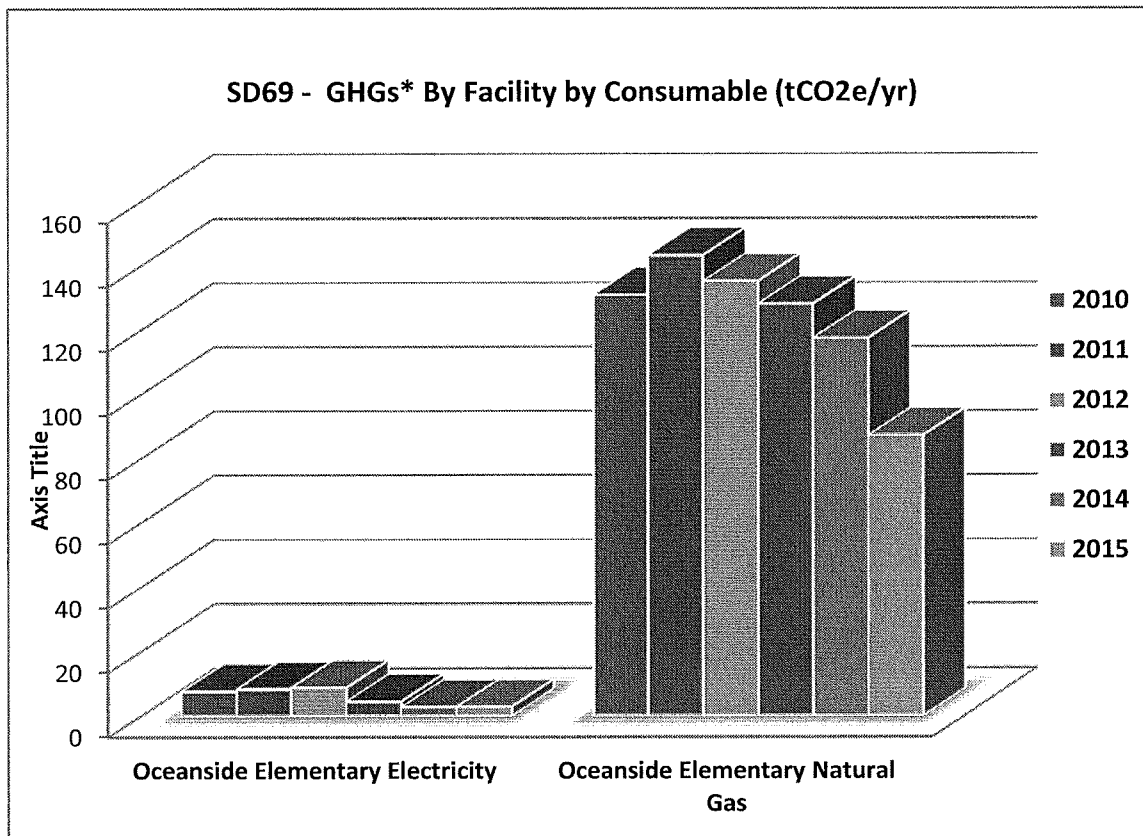
Attached: Charts of GHG Emissions by Source



NOTE: GHG\* = Emissions requiring offset purchases.



Errington Boiler replacement - Summer 2014



Oceanside Boiler replacement - Summer 2015