

CNAR OVERVIEW – SCHOOL DISTRICT 72 (CAMPBELL RIVER)

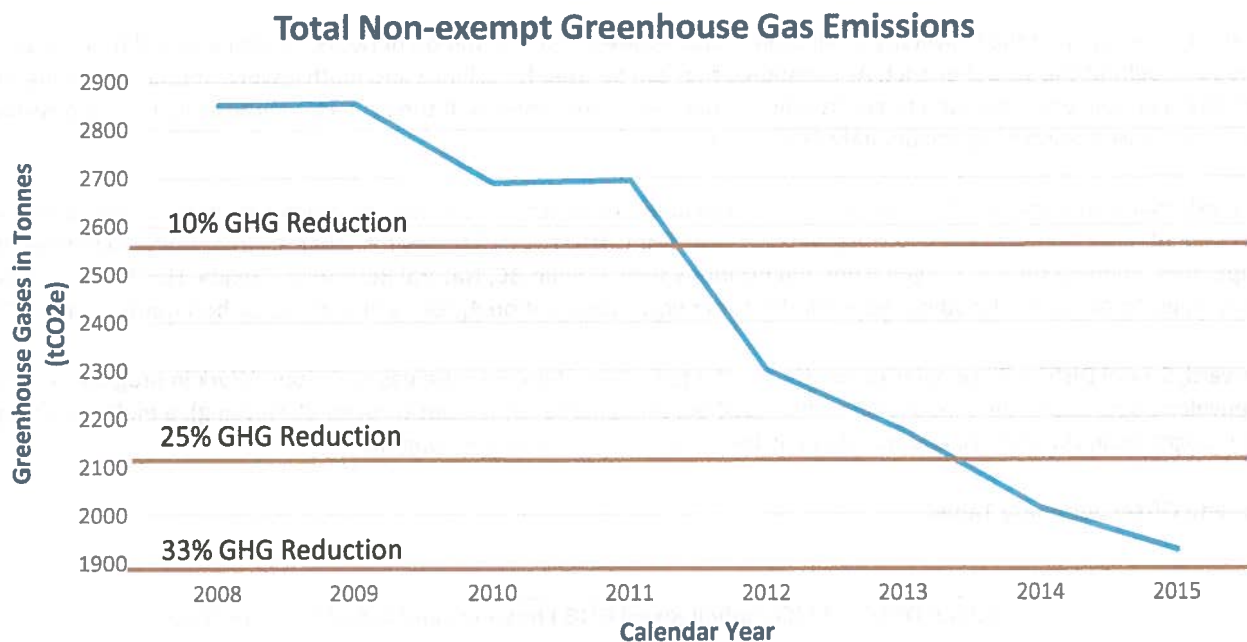
Title: “2015 Carbon Neutral Action Report”

Organization name: School District 72 (Campbell River)

Declaration statement: This Carbon Neutral Action Report for the period January 1st, 2015 to December 31st, 2015 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2015 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2016 and beyond.

By June 30, 2016 School District 72 (Campbell River)final *Carbon Neutral Action Report* will be posted to our website at www.sd72.bc.ca.

Overview: By the end of 2015, School District 72 (Campbell River) had achieved the 2020 target described in the Greenhouse Gas Reduction Target Act (2007), a full five years early. This reduction also surpasses the City of Campbell River’s Community Energy and Emissions Plan target of a 25 percent reduction in community greenhouse gas emissions by 2020.



Our journey towards meeting the 2020 emissions reduction target began with strategic planning. After adopting an environmental responsibility policy, developing sustainability guidelines, and renewing a strategic partnership with BC Hydro, the district conducted an energy management assessment to identify priority reduction areas. The district also developed a strategic energy management plan which identified a wide variety of infrastructure projects, initiatives to engage students and staff, and community outreach efforts.

An environmental awareness focus group provided teachers and support staff with an opportunity to learn of projects, identify new initiatives, and receive feedback on progress towards carbon neutrality.

By developing and using energy consumption reports, Energy Star labelling, and Statistics Canada commercial and institutional energy use survey results, school administrators could see where their school’s biggest energy draws were and share this information with staff and students.

Students were also engaged through the establishment of eco-teams which developed student-led campaigns and activities such as energy conservation challenges and Earth Hour assemblies. BC Hydro school programs are also routinely offered to students and teachers.

Custodial professional development sessions also reinforce the key role of custodial staff, the benefits of using green cleaning products and 100% biodegradable garbage bags, and monitoring for lights and appliances that have been left on.

With staff and students on board, the district then focused on its relationships with the City of Campbell River, BC Hydro, North Island College, and the University of Victoria as other avenues to reach their reduction target. The continued strengthening of community relations is a key focus area in the district’s strategic plan.

School District 72 partnered with the City of Campbell River and RCMP as a signatory to the 2012 Youth Charter, providing the City’s Youth Action Committee (comprised of students from grades 9 to 12) an opportunity for direct input on community issues and projects, including a specific focus on environmental protection, climate change and energy conservation.

Collaboration with the City of Campbell River has also included using school sites for wind energy feasibility studies, school submissions for the annual Earth Week Film Festival, and joint tendering of commercial solid waste and recycling collection. By partnering with the city for its garbage and recycling pick-up, the district saved over 20 percent in waste collection costs and eliminated the need to sort recyclables – making recycling easier.

In partnership with North Island College, the district installed electric vehicle charging stations and a solar hot water system for the teaching kitchen on their shared campus.

School District 72 also joined the University of Victoria’s school-based weather station network, resulting in real time weather information throughout the school district. As a resource that can be used for science and math lessons, it is also allowing the district to pilot a project using the data to control the district’s irrigation systems. If the project is successful, it could possibly reduce irrigation water consumption by approximately 18 percent.

By seeking external grants and rebates, the district was also able to supplement the annual facilities grant by an additional \$415,000 (the equivalent of more than one-third of the grant) per year from 2010 to 2015 to pay for other environmental initiatives, including lighting upgrades. Funding sources ranged from organizations such as Solar BC, Natural Resources Canada, North Island College, and utility companies, to programs including the Public Sector Energy Conservation Agreement and the Carbon Neutral Capital Program.

Going forward, School District 72 remains committed to the reduction of greenhouse gas emissions. Work in progress includes a building envelope upgrade to the school board office (100 percent paid for by a grant through BC Housing), a multi-year program for unit heater upgrades in classrooms, and the planning for major mechanical system upgrades.

Emissions and Offset Summary Table:

School District 72 (Campbell River) GHG Emissions and Offset for 2015 (tCO₂e)	
GHG Emissions created in Calendar Year 2015	
Total Emissions (tCO ₂ e)	2,312
Total Offsets (tCO ₂ e)	1,942
Adjustments to GHG Emissions Reported in Prior Years	
Total Emissions (tCO ₂ e)	17
Total Offsets (tCO ₂ e)	17
Grand Total Offsets for the 2015 Reporting Year	
Grand Total Offsets (tCO ₂ e)	1,942

Retirement of Offsets:

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, School District 72 (Campbell River) 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 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

April 19, 2016

Date

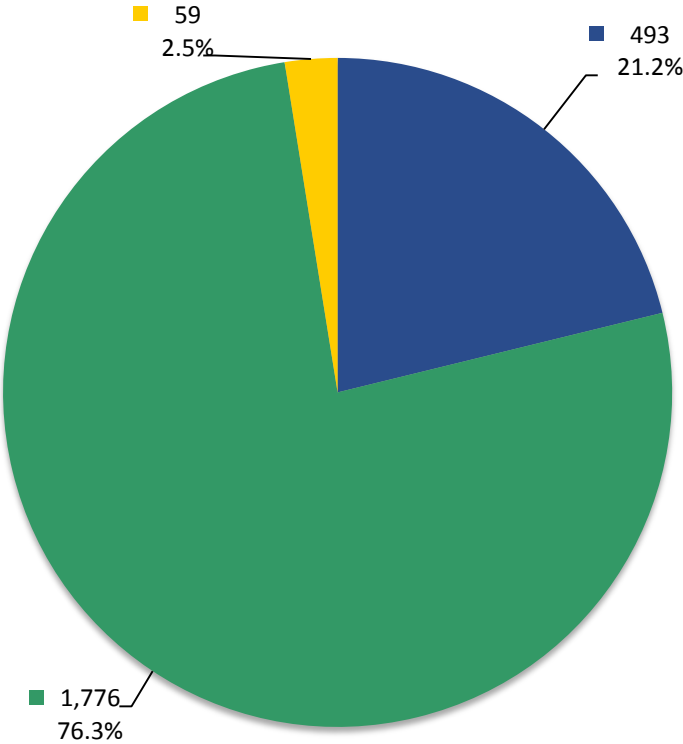
Thomas Longridge

Name (please print)

Superintendent

Title

**School District 72 - Campbell River
Greenhouse Gas Emissions by Source
for the 2015 Calendar Year (tCO₂e*)**



Total Emissions: 2,314

- 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 26, 2016 2:08 PM)

Total offsets required: **1,945**. Total offset investment: **\$48,625**. Emissions which do not require offsets: **369** **

*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.

2015 Carbon Neutral Action Report Survey

Organization Name:

School District 72 (Campbell River)

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:

Yes

If Yes, please describe:

As described in Strategic Energy Management Plan. The Strategic Energy Management Plan is posted to the School District 72 web site: <http://www.sd72.bc.ca/Publications/SD72%20Strategic%20Energy%20Management%20Plan%202016.pdf>

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:

(No response)

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):

Yes

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)

Yes

If yes, please describe:

Double-sided printing encouraged. Sustainability Guidelines are posted to School District 72 web site.

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

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

Yes

If yes, please describe:

Paperless meetings whenever practicable

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

Encouraged alternative travel for business:

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

Yes

Encouraged or allow telework/working from home:

No

Other:

(No response)

Education Awareness

Have a Green/Sustainability/Climate Action Team:

No

Supported green professional development:

(e.g. workshops, conferences, training)

Yes

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

Yes

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:

Yes

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

Yes

Other:

(No response)

Other Sustainability Actions

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

Yes

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)

Yes

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

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

Yes

Incorporated lifecycle costing into new construction or renovations:

Yes

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

*Sustainability actions are described in the school district Strategic Energy Management Plan, posted to school district web site:
<http://www.sd72.bc.ca/Publications/SD72%20Strategic%20Energy%20Management%20Plan%202016.pdf>*