

2014 CARBON NEUTRAL ACTION REPORT

Organization name: SCHOOL DISTRICT NO 22 VERNON

Declaration statement: This *Carbon Neutral Action Report* for the period January 1st to December 31st, 2014 summarizes our emissions profile, the amount of offsets purchased to reach net zero emissions, the actions we have taken in 2014 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2015 and beyond.

By June 30 *School District No 22's final Carbon Neutral Action Report* will be posted to our website at www.sd22.bc.ca.

Overview:

Our District actively promotes anti-idling, recycling, composting and waste-reduction programs at our schools and sites. We continue to retrofit our fleet and buildings with Green technology as available including the use of : light sensors, automatic timers, Co2 sensors and Orca energy management systems. We routinely incorporate green decision making into purchasing and buy energy star rated appliances and recycled paper and other products where feasible. We promote carpooling among staff and provide Pro-D and on the job training that incorporates energy conservation such as the Smart Driver Training Program.

Emissions and Offsets Summary Table:

[The final values to complete this table will be available on your SMARTTool Home page by May 15, 2015.]

| SCHOOL DISTRICT NO 22 VERNON GHG Emissions and Offsets for 2014 (TCO2E) | |
|---|------|
| GHG Emissions created in Calendar Year 2014 (from SMARTTool Homepage): | |
| Total Emissions (TCO2E) | 2597 |
| Total Offsets (TCO2E) | 1874 |
| Adjustments to GHG Emissions Reported in Prior Years (from SMARTTool Homepage): | |
| Total Emissions (TCO2E) | 42 |
| Total Offsets (TCO2E) | 46 |
| Total Emissions for Offset for the 2014 Reporting Year (from SMARTTool Homepage) | |
| Total Offsets (TCO2E) | 1920 |

Executive sign-off:

Signature

Date

Name (please print)

Title

2014 Carbon Neutral Action Report (CNAR)

- Part 2 ACTIONS

Organization Name

School District 22

Actions Taken to Reduce Emissions

1) Stationary Fuel Combustion, Electricity (Buildings):Indicate which actions were taken in 2014:

Performed energy retrofits on existing buildings

Yes

Built or are building new LEED Gold or other "Green" buildings.

Yes

Undertook an evaluation of overall building energy use.

Yes

Please list any other actions taken to reduce emissions from Buildings:

(No response)

2) Mobile Fleet Combustion (Fleet and other vehicles):Indicate which actions were taken in 2014:

Do you have a fleet?

Yes

Replaced existing vehicles with more fuel efficient vehicles (gas/diesel)

Yes

Replaced existing vehicles with hybrid or electric vehicles

No

Reduced the overall number of fleet vehicles

No

Took steps to drive less than last year

Yes

Please list any other actions taken to reduce emission from fleet:

Reduction in length of bus routes, encourage vehicle pooling

3) Supplies (Paper):Indicate which actions were taken in 2014:

Used less paper than previous year

Yes

Used only 100% recycled paper

No

Used some recycled paper

Yes

Used alternate source paper (Bamboo, hemp, etc.)

No

Please list any other actions taken to reduce emissions from paper use:

Less printing (pdf instead)

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Actions Taken to Reduce Emissions - continued

Explain how you plan to continue minimizing emissions in 2015 and future years:

Continue with our anti-idling policy, bus driver training program, replacing buses and older maintenance fleet vehicles with more fuel effective vehicles, use a smaller vehicle for most deliveries within the district.

For our school buildings, we have been involved in an energy retro-fit program including light sensors, temperature setbacks, water management, lighting, use of low VOC paint and use of recycled material where possible.

Continue to use the computer based energy management system. We have CO2 sensors in many locations that control the fresh air flow according to occupancy.

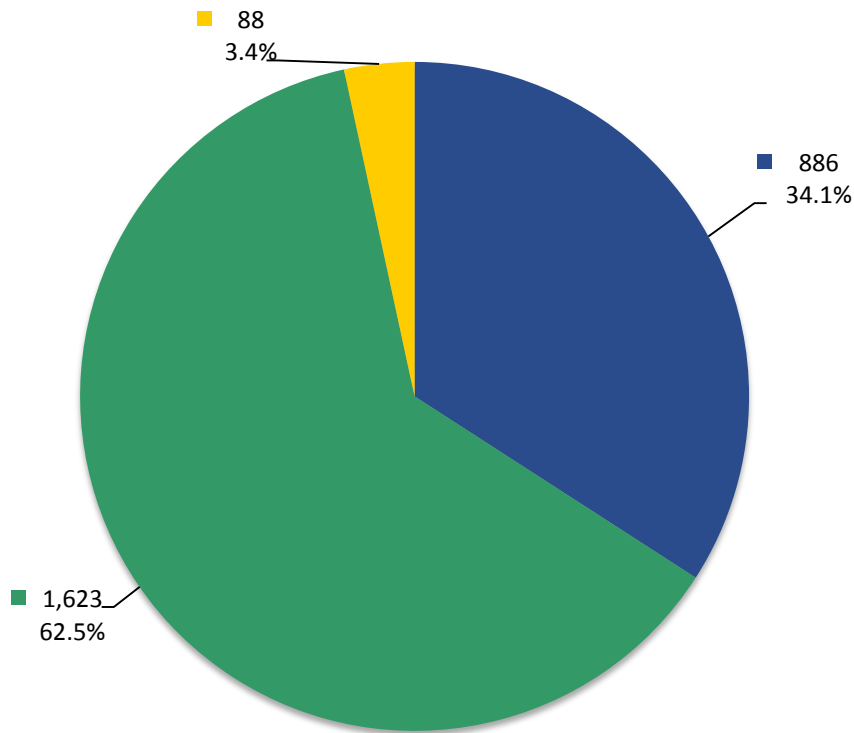
Replace appliances with Energy Star related appliances.

Carpooling to rural schools is ongoing.

If you wish to list any other "sustainability actions" outside of buildings, fleet, paper and travel check "yes". This reporting is optional.

No

**School District 22 - Vernon
Greenhouse Gas Emissions by Source
for the 2014 Calendar Year (tCO₂e*)**



Total Emissions: 2,597

- 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 2014 (Generated June 23, 2015 11:52 AM)

Total offsets required: **1,874**. Total offset investment: **\$46,850**. Emissions which do not require offsets: **723** **

*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.