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# 2020

## PSO CLIMATE CHANGE ACCOUNTABILITY REPORT

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School District No. 67 (Okanagan Skaha)

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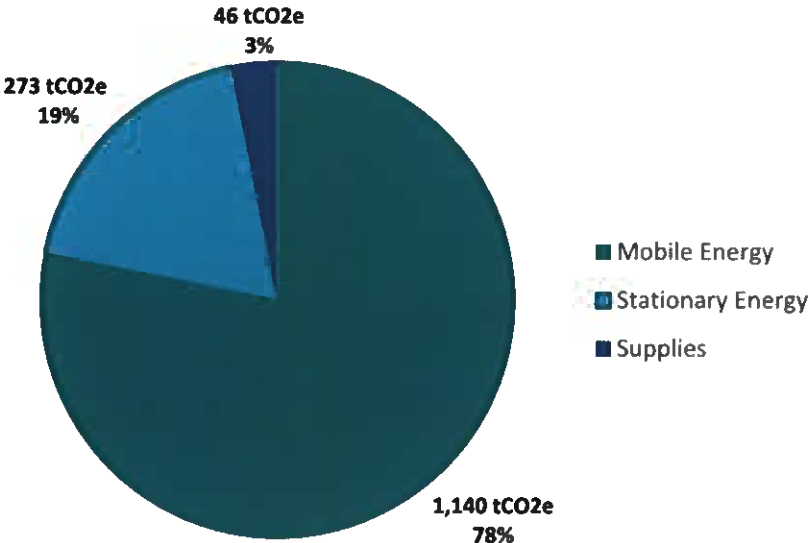
# Declaration Statement

This Climate Change Accountability Report for the period January 1st, 2020 to December 31st, 2020 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2020 to reduce our greenhouse gas emissions, and our plans to continue reducing emissions in 2021 and beyond.

By June 30, 2021 School District No. 67’s final Climate Change Accountability Report will be posted to our website at [www.sd67.bc.ca](http://www.sd67.bc.ca)

## 2020 Greenhouse Gas Emissions

From January 1, 2020 to December 31, 2020, School District No. 67 (Okanagan Skaha) produced a total of 1,459 carbon dioxide equivalent tonnes (CO<sub>2</sub>e) of emissions. This total included the school bus fleet of 129 tonnes of CO<sub>2</sub>e; however, those emissions do not require offset. With this, the total requiring purchase of offsets came to 1,330 tonnes of CO<sub>2</sub>e. 1,140.3 tonnes of CO<sub>2</sub>e, came from stationary energy, such as heating and lighting. 144 tonnes of CO<sub>2</sub>e were derived from mobile energy and 45.8 tonnes of CO<sub>2</sub>e came from paper supplies.



## Offsets Applied to Become Carbon Neutral in 2020

In order to become carbon neutral in 2020, School District No. 67 (Okanagan Skaha) was required to purchase a total of 1,330 tonnes of CO<sub>2</sub>e for 2020 and an additional 79.60 tonnes of CO<sub>2</sub>e for prior year adjustments at a cost of \$25 per tonne of CO<sub>2</sub>e. The total cost for purchase of these carbon offsets for 2020 was \$35,240.00 for School District No. 67 (Okanagan Skaha).



## Actions and Initiatives Taken in 2020

In the spring of 2020, the District completed a façade upgrade at Columbia Elementary School. This project ran from July to October and centered around replacement of doors and windows. The increased thermal resistance from this upgrade allows for lower emissivity of heat in the winter and cold air in the summer, further reducing our carbon footprint.

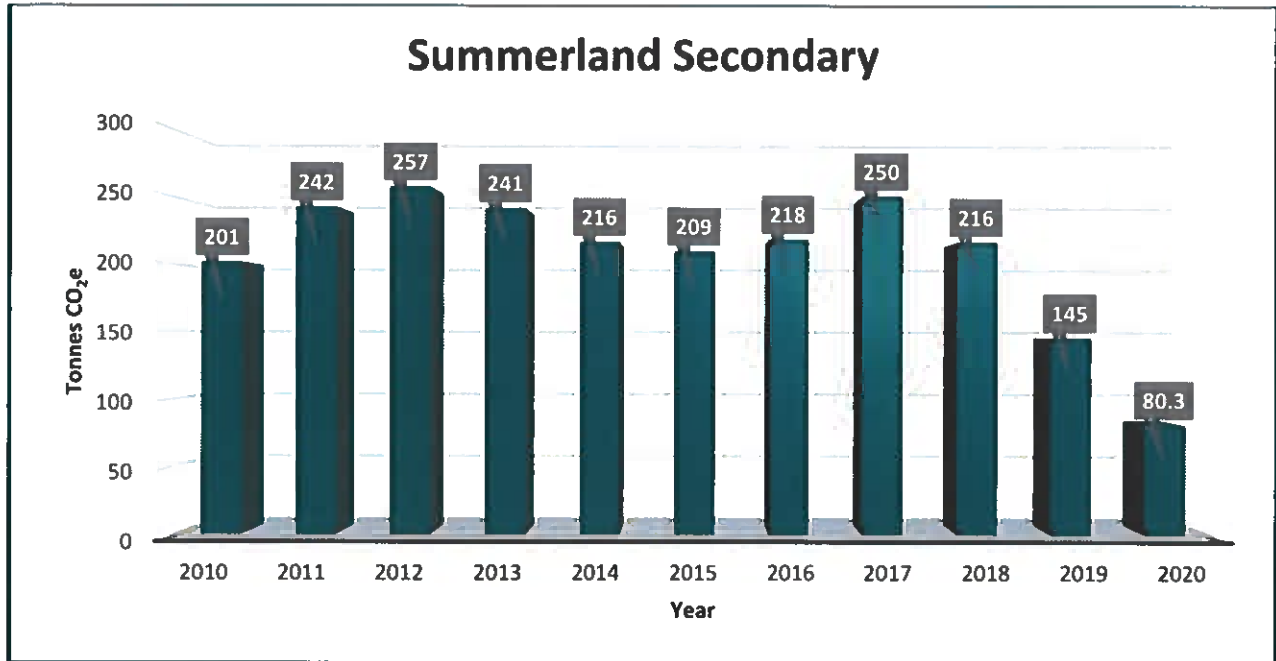


The District also continued our investment in LED technology lighting. Over the past year, we replaced an additional 2,000 T-8 tubes with new LED tubes. The update not only reduces power consumption, but also adds to the learning environment by creating consistent lighting levels throughout the educational space.

## Success Stories

In 2020, we completed the mechanical upgrade at our largest carbon production site, Summerland Secondary School. This project was undertaken in 2018 and continued through to 2020. In 2019, we started to see the effects of the project as our footprint at

this site was reduced by 36%. Prior to the upgrade, Summerland Secondary used an average of 227 tonnes of CO<sub>2</sub>e each year. In 2020, we saw a decrease of 65% to 80.3 tonnes of CO<sub>2</sub>e.

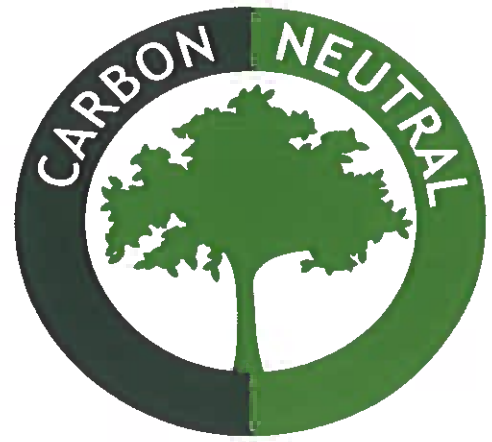


## Plans to Continue Reducing Emissions

The District is continuing its efforts to reduce carbon offsets through upgrading our mechanical and electrical systems. We are currently in the tender phase for a retrofitted mechanical system at Summerland Middle School, with construction occurring through the remaining portion of 2021.

In the fall of 2021, the District will start transitioning its school bus fleet from diesel to electric. It will also be investigating electric fleet vehicles that would further reduce carbon emissions. This will move us away from burning carbon-rich fuels, such as gasoline and diesel, and towards clean, renewable, electric energy.

The District is also looking to continue investing in solar photovoltaic. Summerland Middle School is being considered for as our next building for a photovoltaic system. The 125 kWh array will increase the existing generation capacity of the School District to reduce operating budgets and carbon creation as well as provide additional educational opportunities to students.



## **Retirement of Offsets**

In accordance with the requirements of the Climate Change Accountability Act and Carbon Neutral Government Regulation, School District No. 67 (the Organization) is responsible for arranging for the retirement of the offsets obligation reported above for the 2020 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy (the Ministry) ensuring that these offsets are retired on the Organization's behalf, the Organization will pay within 30 days, 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.

## Emissions and Offsets Summary

<b>School District No. 67 GH Emissions and Offsets</b>	
<b>GHG Emissions created in Calendar Year 2020</b>	
Total Emissions (tCO <sub>2</sub> e)	1,470
Total BioCO <sub>2</sub>	1,459
Total Offsets (tCO <sub>2</sub> e)	1,330
<b>Adjustments to Offset Required GHG Emissions Reported in Prior Years</b>	
Total Offsets Adjustment (tCO <sub>2</sub> e)	119
<b>Grand Total Offsets for the 2020 Reporting Year</b>	
Grand Total Offsets (tCO <sub>2</sub> e) to be Retired for 2020 Reporting Year	1,449
Offset Investment (\$25 per tCO <sub>2</sub> e)	\$36,225

  
 Nicole Bittante  
 Secretary-Treasurer

  
 Todd Manuel  
 Superintendent