

Climate Change

2020 Climate

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Executive Summary

On behalf of the Greater Victoria School District, I am pleased to submit our Carbon Neutral A0 ()-1ej1 0 612 pon Report for 2020.

Greenhouse Gas Emissions

Distribution:

The primary source for greenhouse gas emissions within the district has always been from buildings, and continues to be. Within our buildings, heating during the winter season accounts for the vast majority of our total emissions and consequently presents the largest opportunity for conservation as well.

Heating system upgrades, and improvement of building envelopes remain at the forefront of our efforts to reduce overall emissions. High initial investment costs are the biggest obstacle we face in this area.

While difficult to measure, programs that create behavioral change, awareness, and accountability will also be important as we continue to work towards achieving our goals. Unlike other mechanical improvements to buildings, these approaches can exist with very little capital investment. This is why we are current (en)4n t6.998 ,.996 (w)10.994 (are)-11.998 (ne)3.996 (s)-5 (s)-5 (, 6 (v)3en0w)11.004 (h)-21.004 (y)18.002 ()-1

Our goals:

At the Greater Victoria School district our goals for reduction of GHG emissions align with the goals of the province:

- x 30% by 2025
- x 40% by 2030 (fleet)
- x 50% by 2030 (buildings)
- x 60% by 2040

Current Progress :

The above chart shows combined greenhouse gas emissions generated by our district for each year since 2010.

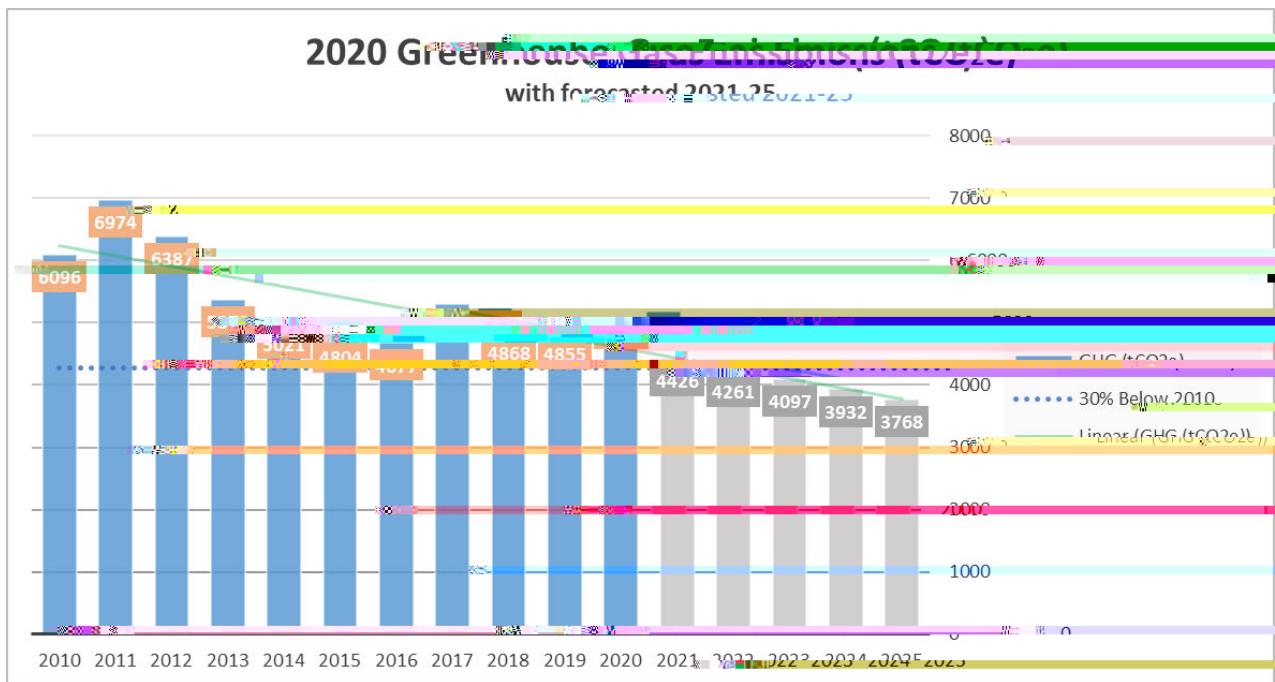
The trend-line (green) indicates the average trend across 2010 to 2020. The decreasing trend is the product of our efforts and investment.

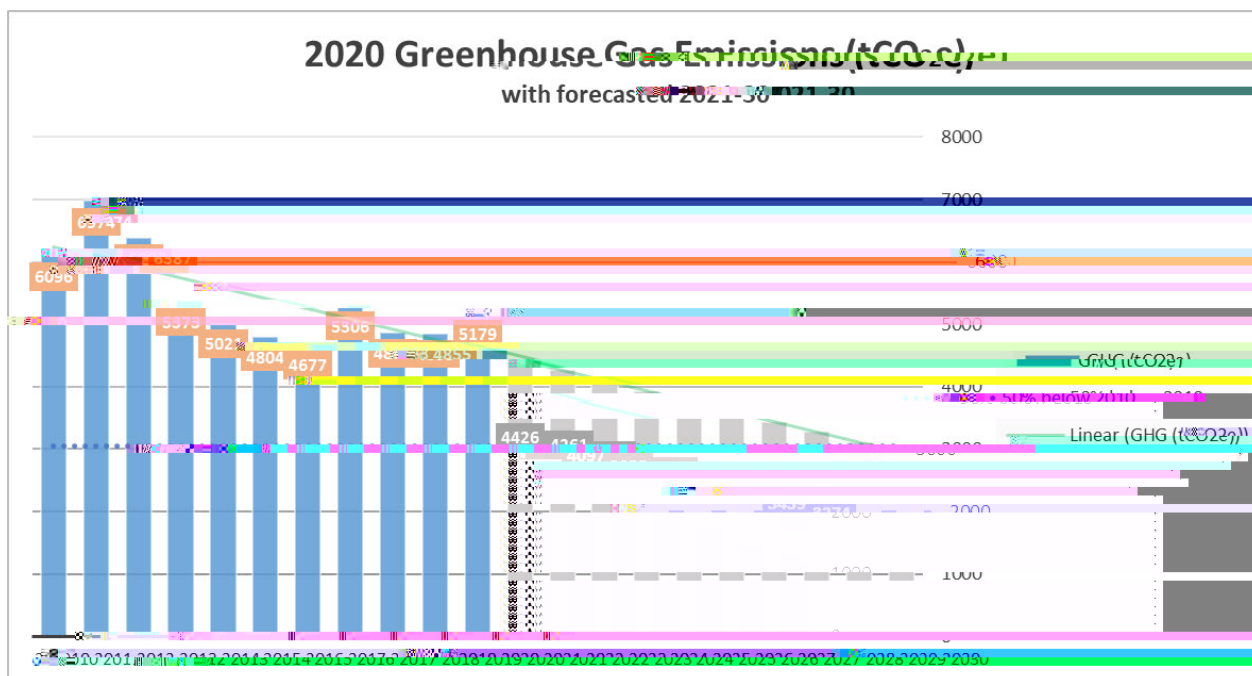
Achieving our goals:

Looking ahead to 2025, we are excited to see that we are on pace to exceed our first goal of 30% GHG emission reduction and are in a great position to further achieve 50% reduction by 2030.

While this chart is validation for our investments so far, it must not be mistaken for victory. We cannot simply coast across the finish line at this point.

In order to meet the 2030 projections, our investments and efforts must continue at our current pace. We will embrace new technologies, and move forward with new funding for additional GHG reducing projects. We must continue to hold ourselves accountable for waste and educate each other on best practices in our everyday activities.





Actions Taken in 2020 to Reduce GHG

Campus View Project :

Six portable classrooms were docked together under one insulated roof. The resulting structure has a far superior envelope with significantly less outside wall exposure and far less heating requirements.

Programmable thermostats, LED lighting, occupancy sensors, and heat recovery ventilation (HRV) were all added to further reduce energy consumption.

Boiler Upgrade: Victoria Secondary

A high efficiency natural gas boiler was added to heat the newer industrial arts portion of Victoria Secondary School. This is phase 1 of the upgrade. Phase 2 will see an additional two high efficiency boilers replacing both remaining out dated boilers.

Boiler Upgrade: SJ Willis

History of Greenhouse Gases and Offsets

Year	Totals	Emissions	Offsets Purchased
2010	6082	6096	\$152,050
2011	6950	6974	\$173,750
2012	6362 + 22	6387	\$159,050
2013	5545 - 172	5373	\$134,325
2014	5041-20	5021	\$125,525
2015	4823-19	4804	\$120,100
2016	4449+228	4677	\$116,925
2017	5290+16	5306	\$132,250
2018	4849 + 19	4868	\$120,566
2019	4856	4856	\$120,566*

