

# VENTILATION SYSTEM OVERVIEW

<b>School District:</b>	52 - Prince Rupert
<b>School Name:</b>	Pineridge Elementary
<b>REQUIREMENT:</b> Regular inspection and maintenance of HVAC systems	Yes/No: Yes
	Date of last inspection: 2022-09-01
	Date of next inspection: 202-10-28
	Date and type of most recent maintenance:  Filter Change, DDC (direct digital controls) review
<b>RECOMMENDATION:</b> Increase supply of outside air	Yes/No: Yes
	Detail: Damper level is set to always stay a minimum position of 5% open, so fresh air is always entering the classroom when fan is turning. CO2 particle detection has also been reduced from the recommended 1,200 ppm to 1050 ppm to ensure that more fresh air is entering the rooms throughout the day when CO2 level rises with occupants in the room.
<b>RECOMMENDATION:</b> Upgrade filtration, including installing MERV-13 filters, where possible	Yes/No: No
	Detail (Including filter grade): Unit ventilators were replaced summer of 2022 and are capable of MERV 13 rated filters
<b>RECOMMENDATION:</b> Use other air cleaning or treatment technologies	Yes/No: No
	Detail: Outside air ingress is the best way to flush particulate out of the room. Fresh air comes in and pushes exhaust air out.
<b>RECOMMENDATION:</b>	Yes/No: Yes

Manage energy use and air distribution through building automation control systems	<p>Detail:</p> <p>Classrooms are connected to a BAS (building automation system – direct digital controls), and regulate influx of fresh air to the classroom. There will be an increase in energy consumption to bring in more fresh air to the schools, we will monitor and do what we can to minimize costs and while increasing fresh air to the schools.</p>
<b>Other Relevant Information:</b>	If there are concerns that ventilation is not functioning correctly, please let your principal know and maintenance will be sent to investigate.
<b>District Contact for any Questions:</b>	Name: James Warburton
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