



# *School District No. 54* (BULKLEY VALLEY)

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## **VENTILATION SYSTEM IMPROVEMENTS**



### **FILTERS UPGRADED**

Upgraded to Merv-8 or 13 Air Filters, which capture 84% or more of the expected contaminated particles floating in the air.



### **AIRFLOW INCREASED**

Increased the amount of outside air that comes into our facilities, ensuring more air changes of clean air (either filtered or fresh) every hour.



### **CO2 SETPOINT LOWERED**

Lowered the setpoint in all buildings with the CO2 sensors from 1000ppm to 800ppm to ensure a higher concentration of outside air during occupancy.



### **FAN SPEEDS INCREASED**

Set fan speeds in schools with variable frequency drives at higher speeds during occupancy, ensuring full air flow in the gymnasium and increasing the number of air changes that occur in the space to reduce chance of community spread.



### **HVAC HOURS EXPANDED**

Expanded HVAC operating hours by 8 hours in all schools (6am to 8:30 pm), when the systems retards as need to continue to flush throughout the evening, ensuring custodians have fresh-air during morning and evening work schedules and schools are flushed with clean air before students arrive and after students leave.



### **OCCUPANCY SENSORS ENABLED**

Enabled occupancy sensors in multi use areas, ensuring areas will have the required air changes of cleaned air regardless of occupancy. This measure reduces the amount of stale aerosols in each room between classroom changes and breaks in the school day.