



SD22 VENTILATION SYSTEM IMPROVEMENTS



FILTER CHANGES

Increased frequency of filter changes, replaced all filters after localized wild fires this summer, all systems have been inspected and repaired as needed.



AIRFLOW DOUBLED

Doubled the amount of fresh airflow that comes into our facilities, ensuring a minimum of 6 air changes of clean air (either filtered or fresh) every hour.



CO₂ SETPOINT LOWERED

Lowered the set-point in all buildings with CO₂ sensors to 700ppm to ensure a higher concentration of outside air during occupancy.



FAN SPEEDS INCREASED

Set fan speeds in schools with variable frequency drives at 100% 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 6 hours in elementary schools (6am to 9pm) and by 7 hours in secondary schools (6am to 11pm), ensuring staff and students have fresh-air during morning and evening work schedules and schools are flushed with clean air before staff/students arrive and after they leave.



OCCUPANCY SENSORS DISABLED

Disabled occupancy sensors for all classrooms, ensuring all classrooms will have the required 6 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.