

SD42 VENTILATION SYSTEM IMPROVEMENTS



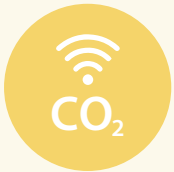
FILTERS UPGRADED

Upgraded to MERV-13 Air Filters, which capture 80-90% of the expected contaminated particles floating in the air.



AIRFLOW DOUBLED

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



CO₂ SETPOINT LOWERED

Lowered the setpoint in all buildings with 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 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 8 hours in elementary schools (6am to 11pm) and by 7 hours in secondary schools (6am to 11pm), 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 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.