



Ventilation

The current heating and ventilation system in classrooms consists of unit ventilators with steam coils. Outside air is brought in through an exterior louver that sits directly behind the unit. Excess air leaves the classroom through grilles near the corridor walls that send the air to rooftop vents.

A filter's ability to capture particles is measured by MERV (Minimum Efficiency Reporting Values), which ranges from 1 to 16. The filters being used in the unit ventilators have been increased to MERV 8. This is the maximum allowable rating based on recommendations by the district's architects/engineers and manufacturer's recommendations. Any further increase may put more stress on the unit's motor or potentially decrease airflow. Alternative filter options were considered including static ionizers and UV lighting, but the SED is not currently permitting these items to be installed.

Reopening guidance calls for an increase in ventilation where possible. This has been achieved by reducing the occupancy, which in turn increased available outside air per person. To further increase ventilation, all windows are to be opened where possible during occupied hours until heating season begins. The architects / engineers have recommended that window shades be closed on hot days to reduce solar heat gain.

Below is a summary of the ongoing evaluation and maintenance work being performed district wide:

- Meetings and walkthroughs have been conducted with the districts architects, engineers and maintenance contractors to consider all measures to promote proper ventilation.
- Unit ventilators have been serviced by in house staff. This includes internal cleaning and replacement of filters. This will be done quarterly throughout the year.
- Fans on unit ventilators have been checked to make sure that they operate.
- Dampers on unit ventilators have been checked to make sure that fresh air is being brought into the space.
- The relief air systems are being evaluated to ensure that excess air has a path to exit through the rooftop vents.



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