

# Pocantico Air Filtration

# What We Know About Viruses

## Coronaviruses are Enveloped Viruses

One of the easiest types of viruses to kill with the appropriate approach.

[Link For Detailed SARS/COVID Guidance](https://www.cdc.gov/coronavirus/2019-ncov/index.html)

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# Considerations For The Energy Performance Contract

## Transmission of SARS-CoV-2 through the air is sufficiently likely ....

- Changes to building operations, including the operation of HVAC systems, can reduce airborne exposure.
- Ventilation and filtration provided by HVAC systems can reduce the airborne concentration of SARS-CoV-2 and the risk of transmission through the air.
- Outside air ventilation rates should be increased to as much as the systems can accommodate, depending on outside climate conditions and the systems ability to maintain the air handling systems discharge air conditions, air flow rates, temperature, and humidity conditions necessary in order to maintain good thermal, humidity, and indoor air quality.

# Implement A Plan To Disinfect And Sanitize The Air To Fight Aerosol And Surface Contamination

## Surface Contamination

- **Currently** we are using electrostatic sprayers with a specialized solution that is atomized by an electrode inside the sprayer. Subsequently, the spray contains positively charged particles that are able to aggressively adhere to surfaces and objects.

## Proposal To Sanitize Against Aerosol Contamination

- Installation of Air Purifiers- during the occupied time of the building to fight airborne contaminants through the combined effect of three filters (Pre-filter, HEPA filter, and activated carbon filter. This will improve air quality and immunity to illness.
- Installation of Hydroxyl Ozone Generator and Air Treatment System. This system will function **only** during the unoccupied time in the building.
- Purchasing of a portable Industrial UV Sanitation Light. This will be used in large group areas (Gymnasium, Cafeteria, Library, Auditorium, and Hallways) during the unoccupied times of the building
- Installation of UV Sanitation Lighting in all HVAC units. (Possibly thru the E.P.C.)