



HEALTHCARE



K-12



HIGHER ED



MUNICIPAL

MAXIMIZING BUILDING SYSTEMS FOR HEALTH AND SAFETY



CPL SPECIALIZES IN SOLUTIONS

As professional consultants, CPL's foremost concern and responsibility is protecting the safety and welfare of the public.

CPL is committed to working with our clients during and after this unprecedented health crisis. We understand that your primary concerns center around the health and safety of your staff, customers, students, patients, and the general public. We share the common goal of making your facilities safe and we are ready to assist you with building systems reviews, recommendations and design services.

Due to the COVID-19 pandemic, there are a number of building systems that should be considered for improvements, modifications or replacement. The first and foremost concentration of review should be the building's mechanical and electrical systems. These systems provide the infrastructure to sustain daily operations, and are the principal drivers of both comfort and life safety in the indoor environment.

Mechanical and electrical systems are selected based on the building's intended purpose, with multiple levels of complexities that are determined by codes, standards and guidelines. Various professional agencies and organizations (CDC, ASHRAE, ASHE, etc.) are publishing design recommendations and guidelines to mitigate the transmission of the novel coronavirus. The strategies to control the transmission of airborne infectious pathogens can be applied to all levels of system complexity.

CPL is staying current with these publications and has been engaged by many clients to provide professional recommendations for short-term building and system improvements, as well as longer term planning and renovation projects. We stand ready to work with you through this crisis in order to achieve your ultimate goal of health and safety.



CPL > Full-Service Innovation



HIGHER ED



HEALTHCARE

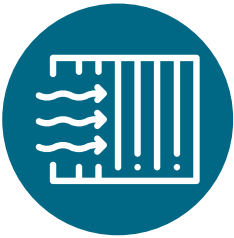


K-12



MUNICIPAL

A holistic approach to building system evaluation should be considered. Recommendations will likely include a combination of strategies that are best suited for your building. Improvements, concepts and systems to be evaluated should include, but not be limited to, the following:



ENHANCED FILTRATION

- > Centralized air handling systems
- > In-room recirculating HEPA filters



UVGI (ULTRA-VIOLET GERMICIDAL IRRADIATION)

- > Centralized air handling systems



ANTIBACTERIAL LIGHTING

- > Safe for continuous use



INCREASED VENTILATION

- > Enhanced economizer operation



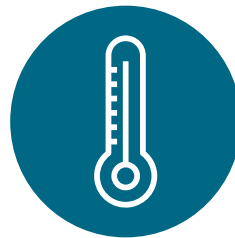
AIR DISTRIBUTION

- > Air distribution patterns
- > Differential room pressurization
- > Local exhaust ventilation



ENHANCED BUILDING CONTROLS SYSTEM

- > Web-based
- > Event-based crisis sequences of operation



TEMPERATURE AND HUMIDITY CONTROL

- > 40%-60% RH optimal



STANDBY POWER SYSTEMS

- > Increased applications



OXYGEN AND MEDICAL GASES FOR HEALTHCARE APPLICATIONS

- > Increased storage and distribution capacity



PLUMBING FIXTURES

- > Sensor operated faucets and flush valves

[CLICK HERE TO LEARN MORE ABOUT CPL'S COVID-19 RESPONSE SERVICES](#)



Dave Hart, P.E. Vice President
585.402.7520 dhart@cplteam.com