



TORONTO BUILDING MANAGERS' AND OPERATORS' ASSOCIATION

MONTHLY NEWSLETTER AUGUST, 2020

UPCOMING GENERAL MEETING

Wednesday
August 19, 2020

6:00 pm to 7:00 pm

647-303-7675
petercychoi@gmail.com

Log on to
www.tbmoa.org
for your electronic
copy



NERVA
www.nervaenergy.com

Speaker: JOSH LEWIS: CEM, CMVP

TOPIC FOR DISCUSSION: Mitigation of COVID-19 Spread & Transfer Within Public Buildings

The (6) items we will discuss regarding improvements to HVAC systems to mitigate COVID-19



- **Filtration** - Improve it through either higher MERV rated filters or electrostatic filters. [Click to see example of this technology:](#)
- **Dilution** - Ensuring that constant circulation occurs in buildings when they are occupied with "Fan On" mode. To ensure that there is not excessive energy waste, the HVAC controls should be going to "Fan Auto" mode during the unoccupied hours.
- **Dilution** - Ensuring that the supply, return and exhaust air is effectively occurring in the spaces within the building that are occupied by people, Duct Sealing is recommended.
- **Fresh Air** - During occupied hours, a guaranteed volume (percentage) of fresh air should be brought into buildings. This may not always occur in systems that have CO2 demand-control ventilation, as they are typically set up to bring minimum or no fresh air unless the CO2 level rises above a set point (typically 800ppm). On less complicated systems, such as dedicated fixed volume MUA for large buildings or rooftops with economizers, understanding the size, setup, and current operational/maintenance state is key. Controls are again important though, as fresh air should be shut off or minimized during unoccupied hours.
- **Active Air Purification** - The REME-LED technology can be installed into virtually any building to provide active air purification. This tech was just approved by Health Canada as a certified medal device (we are still waiting for the official paperwork, should have it any day).
- Check out these videos below to get up to speed:
[COVID-19 Research Report on REME-LED Technology](#)
[REME-LED TECHNOLOGY: A flu shot for your building!](#)
- **Humidity Control** - The control of RH level is critical for indoor air quality. Industry-standard range chart is attached.