

ASHRAE NY Sustainability Committee presents:



EARTH DAY 2021 WEBINAR

APRIL 20, 2021 9:00AM - 2:00PM

Energy Use in the Pandemic Era

[\(Click Here to Register \\$10\)](#)

Total 4.5 Continuing Education Hours Available

ABSTRACT:

In the past year, building owners have adopted various IAQ improvement strategies aimed at mitigating COVID infection risk within their facilities. Operational changes and the deployment of various IAQ technologies have left building owners asking some of the following questions:

- How much will these IAQ-focused improvements impact my building's energy and carbon performance?
- Are there ways to mitigate COVID infection risk with less energy and carbon impact, so buildings can remain aligned with New York's sustainability policy requirements?

INTRODUCTION:

- Scott Sherwood, [EcoCare](#) Bronx, NY

9:00am-9:15am

Introduce teleconference procedures and rules, introduce speakers/subjects.

SEMINARS:

1. **Energy and Carbon in the COVID Era: Lessons Learned on Balancing IAQ and Building Performance**

9:15am-10:00am

+20 min. Q&A

- Speaker 1 (team): Molly Dee & Jonathan Li, [Jaros Baum & Bolles](#), NY

+10 minute BREAK

This presentation will review the energy and carbon impacts of various IAQ improvement strategies across a sample of buildings in New York City and will discuss strategies for reducing these impacts while continuing to reduce the risk of infection and improve IAQ.

1 Cont. Ed. Hour

2. **Understanding and Applying ASHRAE's Core Recommendations for Mitigating Aerosol Infection Risk**

10:30am-11:15am

+20 min. Q&A

- Speaker 2: William Bahnfleth PhD, PE, FASHRAE, FASME, FISIAQ, [Penn State U](#)

+10 minute BREAK

ASHRAE's guidance for mitigating risk of SARS-CoV-2 transmission has evolved over the past year. Current guidance is summarized in the ASHRAE "Core Recommendations." This presentation will review the Core Recommendations and provide an overview of ASHRAE's Building Readiness guidance that was developed to support their implementation.

1 Cont. Ed. Hour

3. **Carbon NOT Energy: Electrifying the Buildings of Tomorrow**

11:45am-12:15pm

- Speaker 3: Jeffrey Rios, [AKF Engineers](#), NY

+20 min. Q&A

+10 minute BREAK

With the increased urgency of Climate Change and the implementation of hard carbon emission limits in NYC building energy use has taken a whole new shape: carbon more than energy is the driver. Electric energy for building heating and hot water consumption, in the past considered expensive and inefficient, is set to become the preferred and sustainable choice. We will explore the available technology and impact to capital costs, energy costs, emissions, and potential fines of various heating technologies.

1 Cont. Ed. Hour

4. **MEP Partners Discussion: COVID-19, Climate, & Electrification**

12:45pm-2:00pm

- Moderator: Scott Sherwood, [EcoCare](#), Bronx, NY

Incl. 45 min. Q&A

5-6 minute discussion by each panel member, followed by audience Q&A.

END OF EVENT

- Chris Colasanti

[Jaros Baum & Bolles](#)

- Amy Macdonald

[Thornton Tomasetti](#)

- Jeffrey Rios

[AKF Engineers](#)

- John B. Rice

[Legacy Engineers](#)

- Desmond Greene

[WB Engineers+Consultants](#)

1.5 Cont. Ed. Hour

ADMISSION: \$10 (ASHRAE Member or Non-ASHRAE Member)