



Shaping Tomorrow's
Built Environment Today

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Ginger Scoggins
2023-2024 ASHRAE President

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January 30, 2024

The Honorable Senator Meg Loughran Cappel, Chair
The Honorable Senator Kimberly Lightford, Vice Chair
Senate Appropriations – Education Committee
401 S 2nd Street
Stratton Office Building, Section C, Room M
Springfield, IL 62706

Re: IL HB 3713 “Sch Cd-Ventilation”

Dear Chair Cappel and Vice Chair Lightford:

I am writing on behalf of ASHRAE, the American Society of Heating Refrigerating, and Air Conditioning Engineers, to support the goals of Illinois House Bill 3713, titled “Sch Cd-Ventilation” that sits before the Senate Committee on Education Appropriation. ASHRAE, founded in 1894, is a global professional society of more than 53,000 members, including over 1,400 in Illinois, that focuses on building systems, energy efficiency, indoor air quality, refrigeration, and sustainability. Through research, standards writing, publishing, certification, and continuing education, ASHRAE shapes tomorrow’s built environment today.

We are pleased HB 3713 seeks to provide good indoor air quality in Illinois schools, which will improve the health, performance, alertness, and ability to concentrate of students, teachers and staff. ASHRAE supports the goals of this legislation, which we see as a critical first step toward enhancing the indoor air quality (IAQ) in Illinois public schools. In developing the details for implementing this legislation, as ASHRAE is the primary source of IAQ expertise related to

HVAC systems, we offer our technical expertise, including ASHRAE IAQ Standards that can be referenced in state law, as well as useful position documents that can guide development of materials on IAQ distributed to teachers and staff.

- [ANSI/ASHRAE Standard 62.1-2022, *Ventilation and Acceptable Indoor Air Quality*](#): specifies minimum ventilation rates and other measures intended to provide indoor air quality that is acceptable to human occupants and minimizes adverse health effects due to poor indoor air quality. It defines the requirements for ventilation and air-cleaning system design, installation, commissioning, and operations and maintenance. It is intended for use in new buildings, as well as additions or changes to existing buildings.
- [ASHRAE Standard 241-2023, *Control of Infectious Aerosols*](#): defines the amount of equivalent clean airflow met by a combination of ventilation, filtration, and air cleaning necessary to substantially reduce the risk of disease transmission during infection risk management mode, which is the operating mode when increased protection from infectious aerosol exposure is needed. Requirements for airborne infection risk management have been absent from indoor air quality (IAQ) standards for a century, with the exception of those written for health-care facilities and laboratories. This new standard addresses this important deficiency.
- [ASHRAE Position Document on Indoor Air Quality \(2023\)](#): provides background information on this important topic, along with statements of ASHRAE's positions and recommendations on the topic.
- [ASHRAE Position Document on Indoor Carbon Dioxide \(2022\)](#): provides background information on this important topic, along with statements of ASHRAE's positions and recommendations on the topic.
- [ASHRAE Position Document on Filtration and Air Cleaning \(2021\)](#): provides background information on this important topic, along with statements of ASHRAE's positions and recommendations on the topic.

We believe that, if implemented and funded effectively, this legislation will result in healthier and more productive students, teachers, and staff in Illinois schools. The legislation will also enable schools to be identified that require greater intervention to improve student health, begin a larger process for conducting such interventions, and equip schools with the preliminary tools required to improve the health of students and faculty.

ASHRAE believes that acceptable indoor air quality is an essential building service that should be achieved while also providing energy efficient, sustainable, and resilient buildings.

We appreciate your consideration of ASHRAE's comments regarding IL HB 3713. ASHRAE looks forward to being a technical resource as you consider IL HB 3713 as well as other legislation concerning building systems and their impact on human health and sustainability.

If you have any questions or need additional information, please feel free to contact GovAffairs@ashrae.org.

On behalf of our over 1,400 ASHRAE members in Illinois, thank you for your work to improve the built environment and improve the lives of Illinois' residents.

Sincerely,

A handwritten signature in black ink, appearing to read "Ginger Scoggins". The signature is fluid and cursive, with the first name "Ginger" being more prominent than the last name "Scoggins".

Ginger Scoggins
ASHRAE President