



## 104TH GENERAL ASSEMBLY

### State of Illinois

2025 and 2026

HB1923

Introduced 2/4/2025, by Rep. Camille Y. Lilly

#### SYNOPSIS AS INTRODUCED:

105 ILCS 5/2-3.206 new

Amends the School Code. Provides that the State Board of Education shall require all school districts to supply all active classroom instructors, all school staff and administration, and district leadership with an educational document explaining the values of good indoor air quality. Provides that the State Board shall require all school districts to ensure that all active classrooms that are not mechanically ventilated have at least 2 properly functioning windows, or one window in situations where only one is present, that can open and can safely stay open. Provides that the State Board shall require all school districts to ensure that all active classrooms are equipped with an air quality monitor that meets specified requirements. Provides that the State Board shall require all school districts to ensure that all active classrooms are equipped with a portable air cleaner that meets specified requirements. Provides that the State Board shall require all school districts to supply each school with 5 additional portable air cleaners and 5 additional air quality monitors to be used in school health offices, libraries, cafeterias, and other similar spaces. Provides that the State Board shall require all school districts to undertake a ventilation verification assessment of all mechanical ventilation systems in the school district performed by a certified assessor or a mechanical engineer. Makes certain provisions subject to appropriation, and makes other changes.

LRB104 09447 LNS 19507 b

STATE MANDATES  
ACT MAY REQUIRE  
REIMBURSEMENT

A BILL FOR

1 AN ACT concerning education.

2 **Be it enacted by the People of the State of Illinois,**  
3 **represented in the General Assembly:**

4 Section 5. The School Code is amended by adding Section  
5 2-3.206 as follows:

6 (105 ILCS 5/2-3.206 new)

7 Sec. 2-3.206. School ventilation.

8 (a) As used in this Section:

9 "Active classroom" means any room currently being used for  
10 any duration of in-person instruction of 4 or more students at  
11 a time.

12 "ASHRAE" means the American Society of Heating,  
13 Refrigerating and Air-Conditioning Engineers.

14 "Certified assessor" means:

15 (1) a certified technician; or

16 (2) a person who is certified to perform ventilation  
17 verification assessments of heating, ventilation, and air  
18 conditioning systems through a certification body  
19 accredited by the American National Standards Institute.

20 "CADR" means clean air delivery rate.

21 "Certified technician" means a person who is certified as  
22 a Testing, Adjusting, and Balancing Bureau Technician by the  
23 International Certification Board and accredited to comply

1 with ISO/IEC 17024, which is the conformity assessment  
2 regarding general requirements for bodies operating  
3 certification of persons, by the American National Standards  
4 Institute in Testing Adjusting and Balancing or another  
5 nationally recognized certifying body accredited to ISO/IEC  
6 17024 in testing adjusting and balancing.

7 "CFM" means cubic feet per minute.

8 "DBA" means decibels.

9 "HEPA" means High Efficiency Particulate Air.

10 "HVAC" means Heating, Ventilation, and Air Conditioning.

11 "Mechanical engineer" means a professional engineer  
12 licensed as a mechanical engineer by the Department of  
13 Financial and Professional Regulation who has professional  
14 experience with heating, ventilation, and air conditioning  
15 systems.

16 "PM2.5" means particulate matter at 2.5 microns or less.

17 "PM10" means particulate matter at 10 microns or less.

18 "PPM" means parts per million.

19 "UV" means ultraviolet.

20 "Skilled and trained construction workforce" means a  
21 workforce in which at least 40% of the workers are graduates of  
22 or registered in and attending an accredited apprenticeship  
23 program registered with the United States Department of Labor.

24 (b) The State Board of Education shall require all school  
25 districts to supply all active classroom instructors, all  
26 school staff and administration, and district leadership with

1 an educational document, in a PDF and a physical format,  
2 explaining, at a minimum, the values of good indoor air  
3 quality, including peer-reviewed research demonstrating the  
4 effects of poor and good indoor air quality, an explanation of  
5 the airborne transmission of pathogens and other airborne  
6 substances, a basic explanation of air changes per hour and  
7 the relation to outdoor air and filtered air, and best  
8 practice recommendations for a portable air cleaner and an air  
9 quality monitor, including guidance on the theory, function,  
10 placement, and operation of the monitor. The document shall be  
11 developed with the assistance of a major independent and  
12 nonpartisan approved organization recognized as a subject  
13 matter expert in the field of air quality, such as a local  
14 ASHRAE chapter. This document shall be created and supplied to  
15 schools within 3 months after the effective date of this  
16 amendatory Act of the 104th General Assembly.

17 (c) Subject to appropriation, the State Board shall  
18 require all school districts to ensure that all active  
19 classrooms that are not mechanically ventilated have at least  
20 2 properly functioning windows, or one window in situations  
21 where only one is present, that can open and can safely stay  
22 open. School districts must be in compliance with this Section  
23 within 6 months after the effective date of this amendatory  
24 Act of the 104th General Assembly.

25 (d) Subject to appropriation, the State Board shall  
26 require all school districts to ensure that all active

1 classrooms are equipped with an air quality monitor that:

2 (1) is installed and operating within one month  
3 following delivery;

4 (2) remains in the active classroom until classroom is  
5 no longer an active classroom;

6 (3) is an air quality monitor that has been determined  
7 by the State Board to be suitable, by the State Board  
8 seeking out and obtaining a written statement noting that  
9 the capabilities of the monitor in question are sufficient  
10 to serve the purposes described in this Section, from a  
11 major independent and nonpartisan organization recognized  
12 as a subject matter expert in the field of air quality,  
13 such as a local ASHRAE chapter. The written statement  
14 shall minimally address suitability of: the selected  
15 monitor's measurement technology, calibration  
16 specifications, and manufacturer stated accuracies and  
17 ranges;

18 (4) measures, at a minimum, carbon dioxide and PM2.5.  
19 Selected monitors are recommended to also measure carbon  
20 monoxide, PM10, volatile organic compounds, temperature,  
21 and humidity;

22 (5) displays, at a minimum, carbon dioxide readings  
23 through a display on the device or other means, such as on  
24 a computer or cellular phone application;

25 (6) is corded and does not rely solely on batteries  
26 for power;

1           (7) is to be located between 3 and 6 feet above the  
2           floor and at least 5 feet away from doors, operable  
3           windows, or human occupants;

4           (8) connects via a wired or wireless connection to  
5           other applicable monitors so as to permit recording of  
6           data which includes at least the maximum carbon dioxide  
7           concentrations for a period of at least one year, as well  
8           as remote access to current air quality readings through a  
9           computer or cellular phone application; and

10          (9) provides notification through a visual indicator  
11          on the monitor, or other alert such as electronic mail,  
12          text message or cellular phone application, when the  
13          carbon dioxide levels in the classroom have exceeded a PPM  
14          level recommended to the State Board in writing by a major  
15          independent and nonpartisan organization recognized as a  
16          subject matter expert in the field of air quality, such as  
17          a local ASHRAE chapter.

18          Each school shall record all incidents where the  
19          recommended PPM level was breached in a classroom and maintain  
20          those records for at least 5 years.

21          Any supplied air quality monitor under this subsection may  
22          not be shared between active classrooms.

23          If devices matching the criteria described in this  
24          subsection are unavailable, the State Board shall contact a  
25          major independent and nonpartisan organization recognized as a  
26          subject matter expert in the field of air quality, such as a

1 local ASHRAE chapter, and request assistance in determining  
2 suitable selection criteria for an air quality monitor that  
3 will sufficiently accomplish the goals of: providing teachers  
4 and staff with air quality information to facilitate managing  
5 indoor air quality; storing a sufficient type and duration of  
6 data to facilitate ventilation assessments; provide remote  
7 access to current air quality readings; and generally align  
8 with contemporary best practice recommendations.

9 (e) Subject to appropriation, the State Board shall  
10 require all school districts to ensure that all active  
11 classrooms are equipped with a portable air cleaner that:

12 (1) is installed and operating within one month  
13 following delivery;

14 (2) remains in the active classroom until classroom is  
15 no longer an active classroom;

16 (3) is a portable air cleaner the State Board has  
17 determined to be suitable, by seeking out and obtaining a  
18 written statement noting that the capabilities of the  
19 portable air cleaner in question are sufficient to serve  
20 the purposes described in this Section, from a major  
21 independent and nonpartisan organization recognized as a  
22 subject matter expert in the field of air quality, such as  
23 a local ASHRAE chapter;

24 (4) utilizes a HEPA filter that captures 99.97% of 0.3  
25 micron particles. A filter stated to be equal to or  
26 superior to a HEPA may not be used;

1           (5) utilizes or has the option of utilizing a  
2           secondary filter for gaseous pollutants, such as activated  
3           carbon;

4           (6) only utilizes HEPA filtration, as opposed to  
5           additional technologies such as ionization, chemical  
6           processes, and UV. If such additional technologies are  
7           present in the selected portable air cleaner they must be  
8           able to be disabled;

9           (7) Produces 500 or more CFM as measured by CADR or  
10           similar metric of filtered airflow;

11           (8) Produces 500 or more CFM of filtered airflow at  
12           under 45 dBA of noise, according to manufacturer supplied  
13           dBA test results measured at one meter in front of the  
14           portable air cleaner;

15           (9) is Underwriters Laboratories certified or  
16           certified to Underwriters Laboratories standards;

17           (10) has a manufacturer's warranty of at least one  
18           year;

19           (11) shall be continuously operated during room  
20           occupancy on at least low speed;

21           (12) shall be maintained according to manufacturer's  
22           recommendation, written approval shall be obtained from  
23           the manufacturer if deviation from standard  
24           recommendations is being considered; and

25           (13) shall be replaced within one month if it becomes  
26           inoperable.



1       If a single portable air cleaner on the market does not  
2 meet the parameters of this subsection, then 2 or more  
3 portable air cleaners per active classroom may be substituted  
4 if they produce a combined 500 or more CFM, as measured by CADR  
5 or similar metric, of filtered airflow at under 45 combined  
6 dBA of noise according to manufacturer supplied dBA test  
7 results measured at one meter in front of the portable air  
8 cleaner.

9       Any supplied portable air cleaner may not be shared  
10 between active classrooms.

11       (f) Subject to appropriation, the State Board shall  
12 require all school districts to supply each school with 5  
13 additional portable air cleaners and 5 additional air quality  
14 monitors that meet the requirements of subsections (d) and (e)  
15 to be used in school health offices, libraries, cafeterias,  
16 and other similar spaces.

17       (g) Subject to appropriation, the State Board shall  
18 require all school districts to undertake a ventilation  
19 verification assessment of all mechanical ventilation systems  
20 in the school district performed by a certified assessor or a  
21 mechanical engineer and shall be based on physical  
22 measurements made during the assessment. If an assessment is  
23 performed by a certified assessor, the assessment report shall  
24 be reviewed by a mechanical engineer. The ventilation  
25 verification assessment shall verify whether the existing  
26 mechanical ventilation system is operating in accordance with

1 design parameters and meets the requirements of any applicable  
2 building codes. The ventilation verification assessment for a  
3 heating, ventilation, and air conditioning system shall  
4 include:

- 5 (1) testing for maximum filter efficiency;
- 6 (2) measurements of outside air rate;
- 7 (3) verification of operation of ventilation  
8 components;
- 9 (4) measurement of all air distribution inlets and  
10 outlets;
- 11 (5) verification of unit operation and that required  
12 maintenance has been performed;
- 13 (6) verification of control sequences;
- 14 (7) verification or installation of carbon dioxide  
15 sensors; and
- 16 (8) collection of field data for the installation of  
17 mechanical ventilation if none exists.

18 (h) The verification assessment report from the mechanical  
19 engineer shall include appropriate corrective actions needed  
20 for the mechanical ventilation system or the heating,  
21 ventilation, and air conditioning infrastructure, including  
22 installation of appropriate filters, installation of carbon  
23 dioxide sensors and additional maintenance, repairs, upgrades  
24 or replacement.

25 (i) The school district shall have a ventilation  
26 verification assessment performed on all mechanical

1 ventilation systems in the school district at least every 5  
2 years. The ventilation verification assessment and the  
3 ventilation verification reports are public documents and  
4 shall be available to the public upon request.

5 (j) Each school's first ventilation verification  
6 assessment shall occur between one and 6 months after the  
7 school's air quality monitors have been installed and data has  
8 started recording, and all measurements for this assessment,  
9 and all following, shall be made in the same conditions in  
10 which the building typically operates. The assessment plan  
11 shall be developed with the assistance and approval of a major  
12 independent and nonpartisan major organization recognized as a  
13 subject matter expert in the field of air quality, such as a  
14 local ASHRAE chapter, to ensure that the assessment results  
15 are representative of indoor air quality conditions  
16 experienced during normal occupancy.