

DOCKETED

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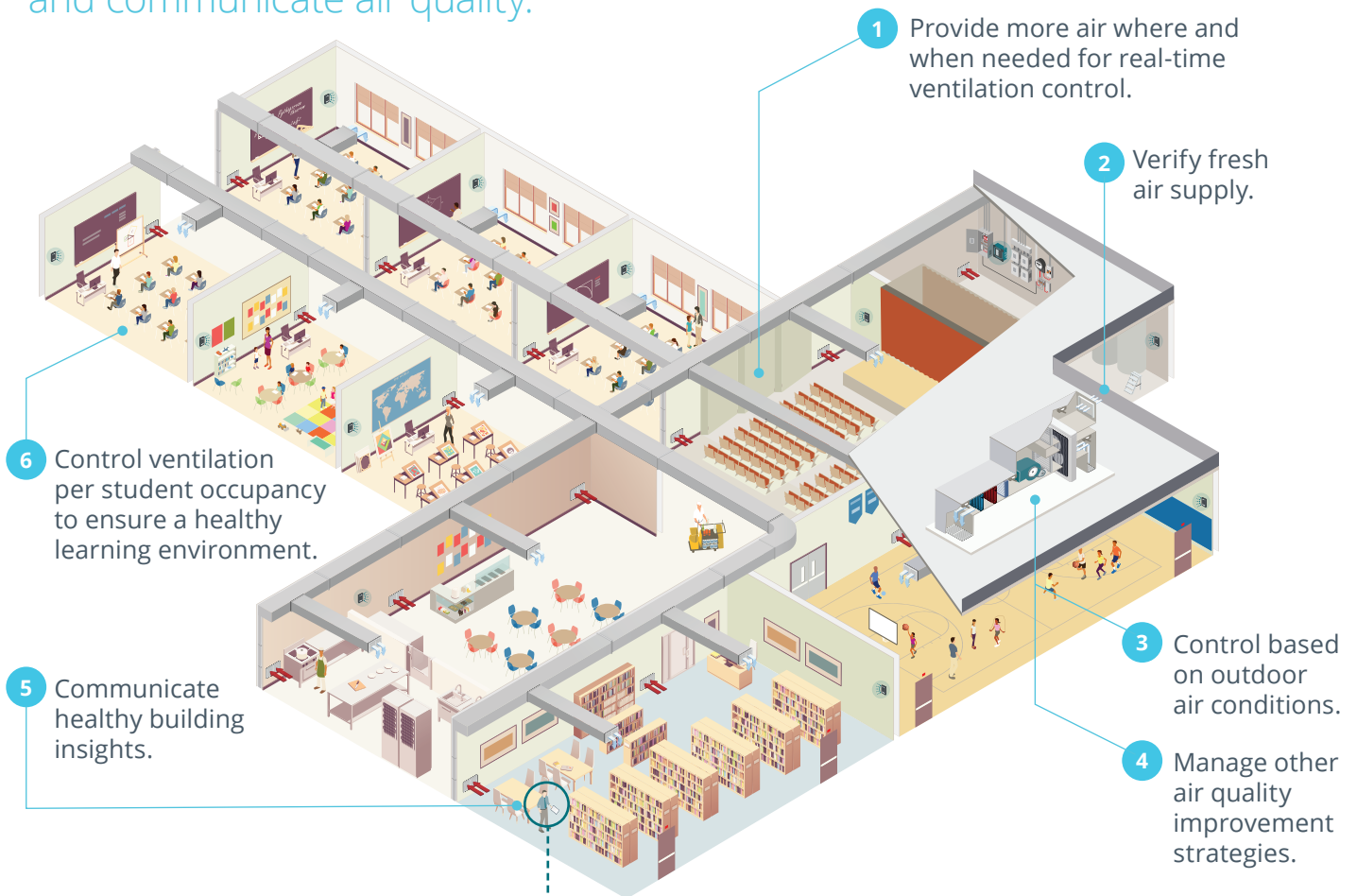
Aircuity -School ventilation solution for energy cost

We would like to be connected with the person with the CEC that is helping Assembly Bill 841, and suggestions to have public schools save energy, get adequate ventilation and address Covid-19 in the schools.

Additional submitted attachment is included below.

Achieving and Maintaining a Healthy K-12 Learning Environment

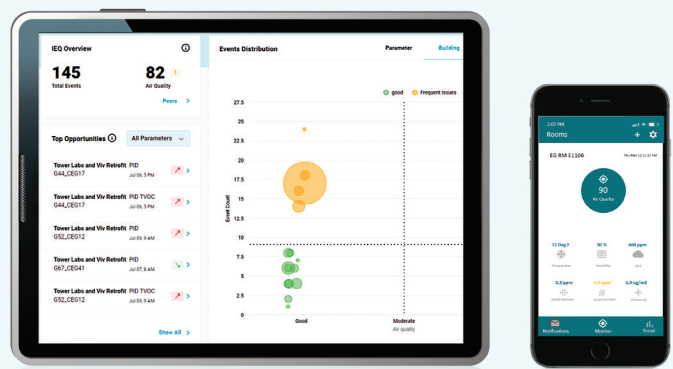
Start with a platform to measure, manage, and communicate air quality.



Aircuity's Platform

A data driven approach to a healthy building.

- Accurate **measurement** of science-based healthy building parameters.*
- Integrated with the building automation system for precise **management** 24/7.
- Cloud-based **communication** platform with intelligent analytics.



* Refer to Healthy Air Targets chart on back.

Strategies for Achieving and Maintaining a Healthy Learning Environment

- Implement a platform that is a single point of reliable IAQ data.
- Use data for retro commissioning to maximize the healthy learning environment over time.
- Measure outside air and supply air quality to ensure clean, healthy, and properly humidified air is delivered to students.
- Measure the air pre and post filters to ensure small particle filtration is being achieved.
- Use Aircuity to provide accurate dewpoint/humidity measurement, as humidity is a key determinant of student health especially during peak viral seasons.
- Implement Aircuity's demand control ventilation to deliver more air where and when needed to enhance cognitive ability and health.
- Identify densely occupied spaces where student and educator health may be at a higher risk and increase ventilation.
- Utilize Aircuity's IAQ platform to manage and verify all other air quality improvements such as: ionization in room filtration and AHU UV.

*Healthy Air Targets

PARAMETER	TARGET
Total Volatile Organic Compounds ¹	< 500 µg/m ³
Micro Respiratory Particles (0.3 – 0.5 µm) ²	TBD
PM 2.5 (0.5 – 2.5 µm)	< 15 µg/m ³
Carbon Monoxide	< 9 ppm
Carbon Dioxide	200–500 ppm differential above outside air
Relative Humidity	40–60%

1. Aircuity deploys a PID and MOS sensor for the broadest and most accurate measurement of TVOCs.

2. Research for target of this particle range is ongoing.

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