

The CARES Act – Funding Indoor Air Quality (IAQ) Improvements in K-12 Schools



What is the CARES Act?

The **Coronavirus Aid, Relief, Emergency Relief (CARES) Act** is a stimulus package passed by Congress as a way to respond to the financial need of State & Local governments who are navigating the impact of the COVID-19 outbreak. The **\$2.3 trillion-dollar** allotment is broken down and funds are then funneled to new and established relief programs.

CARES Act Funding Breakdown for Education

Of the \$2.3 trillion-dollar CARES Act funding, **\$30.75 billion-dollars** is reserved for the **Education Stabilization Fund**. This fund is then divided into three parts to provide initial relief to states and districts facing education challenges stemming from the coronavirus.



The \$13.2 billion Elementary & Secondary School Emergency Relief (ESSER) Fund. States must allocate 90% of the funding to districts, including charter schools. Districts have flexibility on how to target the funds they receive, including how and which schools are funded. States have flexibility on how to target the 10% of funding they retain.¹

Guidelines for Using CARES Act Funding

The CARES Act requires that the payments from the Coronavirus Relief Fund only be used to cover expenses that—

- are necessary expenditures incurred due to the public health emergency with respect to (COVID–19);
- were not accounted for in the budget most recently approved as of March 27, 2020 (the date of enactment of the CARES Act) for the State or government; and
- were incurred during the period that begins on March 1, 2020 and ends on December 30, 2020.

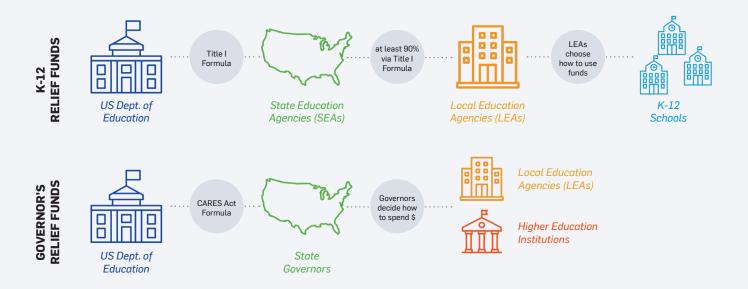


The \$3.0 billion Governor's Emergency Education Relief (GEER) Fund. States will receive funds based on a combination of both school-

age population and rates of poverty, and governors have wide discretion over use of these funds to support K-12 or higher education.²



The **\$14.25 billion Higher Education Emergency Relief Fund**. Institutions of higher education will receive this funding directly, and they have broad latitude over its use, although at least 50% of their allocations must support emergency financial aid grants to students for expenses, such as food, housing, course materials, technology, healthcare and child care.³



Elementary & Secondary School Emergency Relief Fund (ESSER)

States receive funds based on the same proportion that each state receives under the Elementary & Secondary Education Act (ESEA) Title I-A. States must distribute at least 90% of funds to local education agencies (LEAs) based on their proportional share of ESEA Title I-A funds. States have the option to reserve 10% of the allocation for emergency needs as determined by the state to address issues responding to the COVID-19 pandemic.⁴

Click on a state to download the state guidance to LEAs.

The CARES Act ESSER Tracker can be viewed here.

* CARES Act Elementary & Secondary School Emergency Relief Fund Tracker, NCSL. https://www.ncsLorg/ncsLin-dc/standingcommittees/education/cares-act-elementary-and-secondaryschool-emergency-relief-fund-tracker.aspx



Ways to Improve Indoor Air Quality

Carrier can help you evaluate—and if necessary upgrade—essential aspects of your school's current HVAC system to make sure it delivers the high level of indoor air quality (IAQ) necessary to support key wellness initiatives.



Real-time IAQ data monitoring, compared to the WELL Building Standard[™], provides actionable insights into occupant health and wellbeing.



Bringing in more fresh outside air to replace indoor air can help reduce airborne contaminants.



The higher the MERV rating, the more efficient the filter. ASHRAE recommends MERV 13 or higher for K-12 schools whenever possible.

39S

Indoor/Outdoor

Small Air Handler



UV lights not only kill pathogens—they keep coils clean, which reduces pressure drop and enables the installation of more sophisticated air filters.



Keeping indoor humidity within the ASHRAE 55 suggested range (40% and 60%) can minimize the effects of bacteria and certain allergens.

Products

AIR HANDLERS

1,000 to 300,000 Cfm Single/Double Wall Custom Indoor/Outdoor

PACKAGED RTUs

3-Phase Heat Pumps Cooling Only Electric Heat Hybrid Heat

CONTROLS

i-Vu® Building Automation System Sensors & Thermostats BACnet Controllers Carrier Comfort Network



39CC Custom Air Handler







i-Vu® Building Automation System

39M

Semi-Custom

Air Handler





Carrier

Connect

Thermostats





50KC0

3-Phase

Heat Pump

ZS Series i-Vu® Sensors RTU Open



Carrier OptiClean™

Dual Mode Negative Air Machine & Air Scrubber

 Rapid deployment—just roll it in and plug the cord into any outlet

 Portable, flexible, and easy to reconfigure—ideal when requirements can change quickly and unpredictably; it moves easily from room to room, and can be operated vertically or horizontally

 Easy to specify—for example, to get 6 air changes per hour in a room with a 10' ceiling, you'll need 1 CFM of scrubbing for every ft² of floor space

Choose from two sizes—600 and 1500 CFM

For more information, visit carrier.com/opticlean

Abound™

The Future of Buildings Starts with Abound

 Abound is an open, scalable, digital platform that offers a suite of connected solutions for healthier, safer, more sustainable and intelligent buildings.

 Abound aggregates, analyzes and visualizes data collected from various building systems, equipment, and sensors and provides real-time





insights about indoor air quality, thermal comfort, and energy usage

Learn more at abound.carrier.com

