



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



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

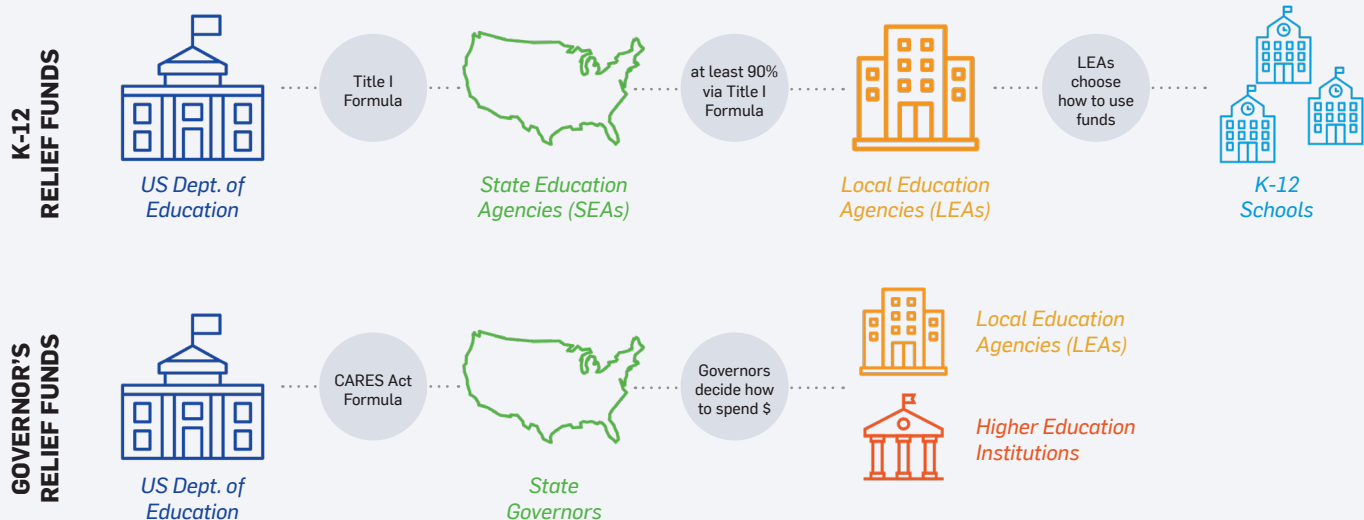


The **\$14.25 billion Higher Education Emergency Relief Fund**. Institutions of higher education will receive this funding directly, and they have broad latitude over its use, although at least 50% of their allocations must support emergency financial aid grants to students for expenses, such as food,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

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.

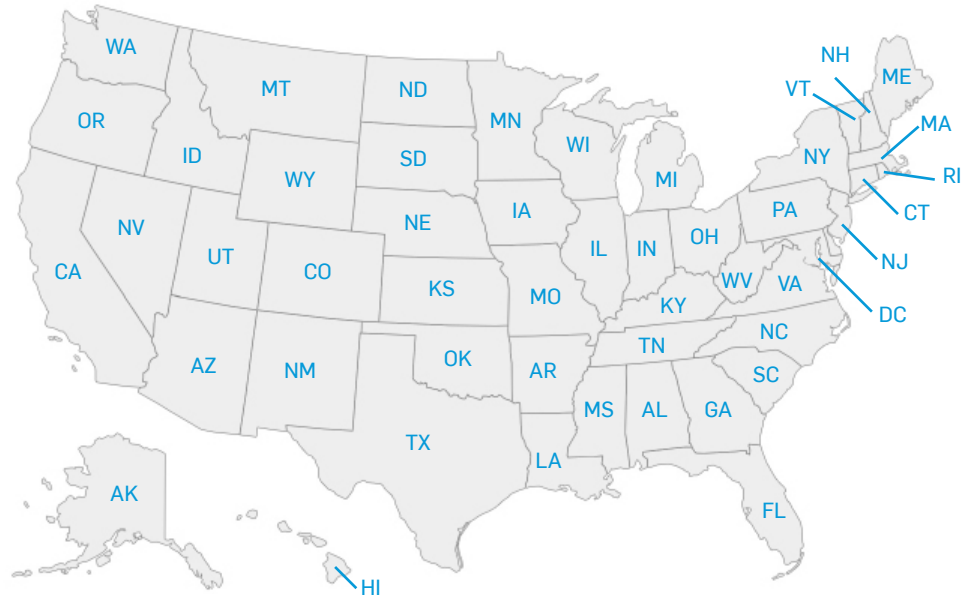


Elementary & Secondary School Emergency Relief Fund (ESSER)

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](https://www.ncsl.org/ncsl-in-dc/standing-committees/education/cares-act-elementary-and-secondary-school-emergency-relief-fund-tracker.aspx).



⁴ CARES Act Elementary & Secondary School Emergency Relief Fund Tracker, NCSL. <https://www.ncsl.org/ncsl-in-dc/standing-committees/education/cares-act-elementary-and-secondary-school-emergency-relief-fund-tracker.aspx>

Four Ways to Improve Indoor Air Quality

Carrier can help you evaluate—and if necessary upgrade—four 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.

1 increased VENTILATION

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

2 FILTRATION

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

3 UV LAMPS/ IONIZATION

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

4 relative HUMIDITY

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

Products

AIR HANDLERS

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



39CC
Custom Air Handler



39M
Semi-Custom Air Handler



39S
Indoor/Outdoor Small Air Handler

PACKAGED RTUs

3-Phase Heat Pumps
Cooling Only
Electric Heat
Hybrid Heat



48A
Single Packaged Rooftop Unit



48FC
Gas Heat/
Electric Cooling



50KCQ
3-Phase Heat Pump

CONTROLS

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



i-Vu® Building Automation System



Carrier Connect Thermostats



ZS Series Sensors



i-Vu® RTU Open

Carrier OptiClean™

Dual Mode Negative Air Machine & Air Scrubber

- ▶ Rapid deployment—just roll it in and plug the cord into any outlet
- ▶ High-efficiency HEPA air filtration—99.97% efficient long-life HEPA filter removes particles as small as 0.3 microns
- ▶ 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
- ▶ Supplements your existing system—quickly reduces airborne pathogens without replacing or modifying your installed HVAC equipment

▶ 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

- ▶ Exceeds ASHRAE's school reopening recommendation* that portable electric HEPA machines be introduced into each classroom and provide a minimum of two air changes per hour
- ▶ Choose from two sizes—500 and 1500 CFM

For more information, visit carrier.com/opticlean



HEALTHYBUILDINGS