

Fellowes[®]
AIR PURIFIERS

**CARES Act and Beyond
Opportunities for Focus
January 2021**



Second Round of Schools funding: CARES Act 2.0

\$82 billion for the **Education Stabilization Fund** signed into law on December 27, 2020

- **\$54.3 billion for K-12 public schools** in the Elementary and Secondary School Emergency Relief Fund (ESSER)
 - *More than 4x as the first round of the CARES Act*
- **\$22.7 billion for Higher Education**
- \$4.1 billion is set aside in the Governor's Emergency Education Relief Fund (GEER) for K-12 and higher ed
 - \$2.75 billion of that reserved for private K-12 schools
- Other funds allocated to programs such as Historically Black Colleges and Universities, tribal colleges, and minority-serving institutions, including Bureau of Indian Affairs-operated schools

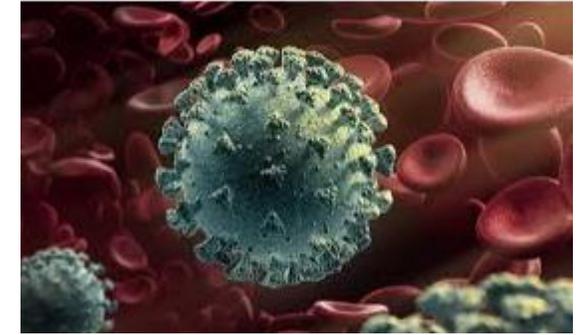
**Education Stabilization Fund dollars are available through
September 30, 2022**

What can CARES Funds be spent on?

- **Purchasing PPE and the supplies needed to clean and disinfect schools.**
- **Repairing school facilities, especially ventilation systems, to improve air quality and reduce spread of Covid**
- Providing resources that principals need to address coronavirus at their schools
- Supporting school district efforts to improve preparedness
- Training staff on the best ways to sanitize schools and proper use of personal protective equipment (PPE)

Air Purifiers are an approved CARES Fund expense!

New and Ongoing Challenges



- **United States has gotten off to a slower-than-expected in vaccinations**
- **New Virus Variants**
 - A more transmissible virus could drive more patients into hospitals and boost the covid-19 death toll. It also could prolong the march toward herd immunity.
 - https://www.washingtonpost.com/health/covid-variant-contagious-spread/2021/01/06/73a1b716-4fc2-11eb-83e3-322644d82356_story.html
 - Viruses constantly change through mutation, and new variants of a virus are expected to occur over time.
 - <https://www.cdc.gov/coronavirus/2019-ncov/transmission/variant.html>
 - COVID-19 herd immunity unlikely in 2021 despite vaccines
 - <https://apnews.com/article/canada-coronavirus-pandemic-united-nations-acffe5031e65b472e5a4848ab516163f>
 - Experts say that COVID-19 will likely become endemic, meaning it will circulate forever. “I don’t really see any path by which this virus isn’t with us forever and it just becomes an endemic virus, like cold viruses and flu viruses”
 - <https://www.verywellhealth.com/covid-19-will-it-be-endemic-5083869>

The Need to Clean the Air We Share Extends Beyond COVID!

Cold and Flu Season is here – and comes back every year!

- In the United States, flu season occurs in the **fall** and **winter**. While flu **activity** peaks between December and **February**, but **activity** can last as late as May.

<https://www.cdc.gov/flu/about/season/flu-season.htm>

The annual national cost of teacher absenteeism is estimated at **\$25.2 billion**, with **\$4 billion** due to stipends for substitutes and associated administrative costs.

<https://www.nifisk.us/2020/02/04/the-real-cost-of-illness-related-school-absenteeism/>



Other Airborne Pathogens

- Streptococcus
- Rhinoviruses (Cause common Cold)
- H1N1 (Swine Flu)
- Chickenpox
- Measles
- Mumps
- MERS
- Influenza B
- Whooping cough
- Hand, Foot, and Mouth Disease
- ????

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Long-term benefits for our classrooms

- **Allergens and Asthma**
 - 40% of children suffer from seasonal allergies
 - Common allergens include dust mites, mold spores, pet dander, and pollen
 - **7,000,000 children in the US suffer from Asthma**
 - Asthma can be triggered by allergies, infections, chemical pollutants, smoke, fragrances, and VOCs
- **Odor control**
 - There are countless contributors to malodors – none of which are pleasant
 - Improved overall facility perception
 - Even pleasant odors can be dangerous
 - 2 million Americans suffer from fragrance allergies
- **Better Test Scores!**
 - Research links key environmental factors to health outcomes and students' ability to perform. Improvements in school environmental quality can enhance academic performance and test scores, as well as teacher and staff productivity and retention.



<https://www.webmd.com/asthma/children-asthma>

https://www.epa.gov/sites/production/files/2014-08/documents/student_performance_findings.pdf