



# Community Air Protection Incentives

## Air Filtration Projects at Schools

Air filtration reduces the concentration of particulate contaminants from indoor air and is an important component of a school’s Heating Ventilation and Air Conditioning (HVAC) system. Reducing airborne particles (such as PM 2.5) is important because particulate matter negatively impacts human health, especially for sensitive populations such as children. Older HVAC systems used in some schools only remove a small fraction of particles in the air that are smaller than 0.3 microns (µm). More efficient HVAC air filters and standalone air cleaners are important for creating healthier air in school classrooms.

### Eligible New Equipment:

- (A) Air filter panels with a MERV of 14 or greater.
- (B) Standalone air ventilation unit with a MERV of 14 or greater and with a noise threshold at or below 45 decibels. Portable air cleaning units must include a clean air delivery rate (CADR) for tobacco smoke (0.09-1.0 µM) that is appropriate for the classroom size.

### Funding Amounts:

| Type of Equipment      | Funding Amounts |
|------------------------|-----------------|
| Air Filters (MERV 14+) | Up to 100%      |
| Standalone Systems     | Up to 90%       |

### How to Apply:

Submit a General Application by May 13, 2022. Projects should be completed by December 31, 2023.

See reverse for program details, including the items that must be submitted as part of the more detailed application. Projects will be selected based on benefit to disadvantaged or low-income communities, amount of emission reductions, and applicants ability to successfully implement the project.

For more information visit <https://www.fraqmd.org/community-air-protection-program>.

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Serving Sutter and Yuba Counties

The Community Air Protection Funds is part of California Climate Investments, a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment—particularly in disadvantage communities.

## Additional Information About Air Filtration Projects At Schools

Applicant must maintain equipment in a manner suitable for the type of air filtration equipment selected. The maximum project life is five years. In the case of air filtration system projects, the project life represents the number of years that the project will support the purchase of new filters, in addition to the span of time that participants must submit normal annual reporting requirements to air districts.

Projects submitting a General Application by May 16, 2022, will be asked to provide the following information:

- A. An impact assessment must be conducted by the equipment owner or an HVAC engineer to ensure that the new filtration will not adversely affect the existing HVAC system(s). The assessment must include the following:
- (1) HVAC information such as type of system and associated MERV rating filter.
  - (2) Estimated hours of use (based on normal duty-cycle) and maintenance downtime.
  - (3) Number of classrooms and students per classroom where air filtration is to be upgraded.
  - (4) Size (length, width, and height) of each room to be upgraded.
  - (5) Potential increase in energy costs for the new filtration (annual kilowatt-hr \* dollars / kW-hr = annual cost).
  - (6) If available, the total ventilation (m<sup>3</sup> /hr) for old and new air filtration systems.
- B. Current in-use air filter information:
- (1) Manufacturer.
  - (2) Model.
  - (3) Old equipment MERV rating and PM removal efficiency (percentage), if available.
  - (4) Filter life (number of filters changed annually).
  - (5) Size of filter: Length x Width x Height.
  - (6) Filter material, if known.
  - (7) Duration of filters being changed, if applicable.
- C. Current in-use air filtration system, if applicable:
- (1) Annual usage (e.g., kilowatt-hour) (hours of use).
  - (2) Manufacturer.
  - (3) Model number.
  - (4) MERV rating.
  - (5) Pollutant removal efficiency (percentage).
  - (6) Type of system.
  - (7) Any unscheduled downtime, including duration of downtime and causes of downtime.
  - (8) Service/maintenance.
  - (9) Warranty.

### New Equipment Information:

The air district must perform a post-inspection prior to payment of grant funds. The information below must be collected on the application and verified during the post-inspection. The inspection form may include photographs, copies of invoices that contain the new filter rating, and contractor's and/or installer contact information (including installation date, inspector's name, and school name).

#### (A) Air Filters:

- (1) Manufacturer.
- (2) Model.
- (3) New equipment MERV rating and PM removal efficiency (percentage), if available.
- (4) Annual usage/filter life (number of filters changed annually).
- (5) Size.
- (6) Filter material.
- (7) Duration of filters being changed, if applicable.

#### (B) Standalone Air Filtration System:

- (1) Manufacturer.
- (2) Model number.
- (3) MERV rating (or certify HEPA if portable air cleaner).
- (4) Clean air delivery rate (CADR).
- (5) Pollutant removal efficiency (percentage).
- (6) Type of system.
- (7) Ventilation rate.
- (8) Any unscheduled downtime, including duration of downtime and causes of downtime.
- (9) Service/maintenance.
- (10) Warranty.

### Reporting:

Participants must report the following information annually:

- (A) Estimated number of hours of use, and people in the room during use.
- (B) Statement of any performance issues that occurred with the funded equipment as well as maintenance issues.