

What is CalSHAPE? The California Schools Healthy Air, Plumbing, and Efficiency (CalSHAPE) Program is a grant program created by AB 841, introduced by Assemblymember Phil Ting. It is administered by the California Energy Commission (CEC).

CalSHAPE Ventilation Program grants fund work to improve indoor air quality and energy efficiency in schools. Unless the sunset date is extended by the Legislature, the current round of CalSHAPE Ventilation Program funding, Round 5, will be the last. **School districts should apply by May 1, 2024, if possible, and must have an executed grant agreement by June 1, 2024.**

WHY CALSHAPE?

WHAT CALSHAPE'S VENTILATION PROGRAM PAYS FOR QUALIFIED WORKERS TO DO:



WHY IT'S IMPORTANT:

Install Carbon Dioxide (CO₂) Monitors in All Classrooms

- CO₂ monitors allow for continuous, real-time monitoring of indoor air quality ([LBNL, 2020](#))
- Research ties high CO₂ levels to diminished performance and discomfort ([CEC, 2020](#); [ASHRAE, 2022](#))
- CALGreen requires CO₂ monitors in new, retrofitted, and renovated classrooms ([§ 5.506.3](#)); CalSHAPE helps to ensure equitable access in all classrooms

Verify Ventilation Rates in Occupied Areas (HVAC Assessment & Maintenance Pathway)

- Research links inadequate ventilation to increased absenteeism and decreased student performance ([CEC, 2020](#); [LBNL, 2020](#))
- Studies have raised concerns that ventilation rates in schools often fall below minimum let alone recommended levels ([CEC, 2020](#); [LBNL, 2020](#); [CDC, 2023](#))

Install MERV 13 or Better Filters Where Feasible

- MERV 13 or better filters are needed to remove particulate matter (PM) from wildfire events ([ASHRAE, 2021](#); [CARB, 2019](#); [CalEPA, 2019](#))
- MERV 13 or better filters help to prevent transmission of infectious diseases ([CDC, 2023](#); [CDPH, 2023](#))
- State law requires MERV 13 or better filters where feasible ([Cal. Ed. Code § 17661](#))

Assess HVAC Systems; Identify HVAC Needs/Problems; Make Certain Repairs, Replacements, and Upgrades; Document Their Work

- Without testing and maintenance, even relatively new HVAC systems may not function properly, compromising comfort, health, efficiency, and climate resiliency ([LBNL, 2020](#); [CEC, 2020](#))
- CalSHAPE data can help school districts to set priorities and make the case for local, state, and federal funding

FOR MORE INFO ON HOW YOUR SCHOOL DISTRICT CAN APPLY:

Visit the CalSHAPE Program website at <https://www.energy.ca.gov/programs-and-topics/programs/california-schools-healthy-air-plumbing-and-efficiency-program> or contact CalSHAPE@energy.ca.gov

School districts should apply by May 1, 2024, if possible, given the CEC's June 1, 2024 deadline for grant agreements to be executed. Awards are being made now on a rolling basis.

California Alliance for
CLEAN AIR
in Schools

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