Monterey Bay Air Resources District
Serving Monterey, San Benito, and Santa Cruz Counties

24580 Silver Cloud Court
Monterey, CA 93940
PHONE: (831) 647-9411 • FAX: (831) 647-8501

Air Expressions

Grants for Clean Air Projects
9-12 Grade Students eligible up to $1,500
College/University Students eligible up to $5,000

The Monterey Bay Air Resources District (District) is seeking applications for science and technology projects that advance the understanding of relevant Air Quality and Climate Change issues. The District is soliciting projects from high school (9-12th grades) and local community college/university students.

While each project must be created and completed by students, every project must have an involved academic advisor (teacher, counselor, group leader). The academic advisor will be responsible for project oversight to ensure students follow through on the project deliverables included in the application. The academic advisor will also be responsible to monitor progress and make sure the student follow through with project guidelines including technical and grant management. This grant opportunity is ideal for science clubs, science classes, student groups, and individual students.

We invite students and teachers in Monterey, San Benito and Santa Cruz Counties to apply for grants that use creativity and imagination, to help the District improve air quality and build a better future with informed and motivated young people.

THE APPLICATION DEADLINE IS 5 PM FRIDAY, OCTOBER 28, 2016.

To apply for funding each applicant must submit a completed application to the District. Please review Attachment B for application requirements. Application forms are available to download at www.montereybaycleanair.org.

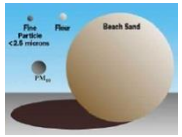
Applications may be considered after deadline based on fund availability. Please contact the District prior to applying past the deadline. For more information contact Jo Anne Marcuzzo at (831) 647-9411 Ext. 214 or email jmarcuzzo@mbard.org.

Attachments (4)

Air Expressions Project Topics – Attachment A

	**GETTING STARTED** Below are some project topics you may be interested to help you get your project started. Remember to include relevant Air Quality and Climate Change issues. The list of past granted projects is available on our website.
	**Technology, Art, and Education:** Create an innovative and interactive air quality educational phone app. Incorporate the principles of alternative-fueled vehicles (hybrid or electric vehicles) and air quality ion an interactive display to deliver educational content. Develop this content to play as a video slideshow or interactive presentation.
	**Clean Air Video:** Create a promotional film, documentary or You Tube visual presentation which increases knowledge and tests skills on air pollution issues. Issues can include ways to Reduce Single Car Trips, Pollution from Residential Heating with Wood, Recycling, Energy and Power, and How To Burn Cleanly - (fireplace or backyard burning).
	**Reduce Automobile and Air Pollution Impacts:** Write a report to summarize the localized impacts of car exhaust, and include other information such as, possible ways to reduce emissions or health effects of pollution.
	**Electric Vehicles:** Conduct a survey of the number of electric-vehicle charging stations located within our air basin and focus on the air quality benefits of electric vehicles. Compare emissions and cost savings between electric vehicles and gas vehicles.

Air Expressions Project Topics - Attachment A

	**Meteorological Study:** Collect data such as wind speed, temperature, or humidity to learn about the connection between meteorology and air quality. Analyze the meteorological data and compare with measured pollutant concentrations. Work with the District to develop a report to the public summarizing the data collected.
	**Particulate Pollution:** Create a plan to identify and reduce particle pollution in your community. Create an informational brochure or Power point presentation to teach others about particle pollution and ways to reduce emissions. Particle pollution emission sources to consider include residential heating with wood, backyard burning of yard waste, fugitive dust, diesel exhaust, and gasoline vehicle exhaust.
	**Clean Power:** Create energy efficient heating projects using solar and renewable alternative energy. Perform an energy audit for your school and show results. Investigate how renewable energy such as, solar or wind power, could be used to replace diesel-fueled, stationary engines used in agriculture.
	**Data Analysis or Outreach materials:** Develop outreach materials, infographic handouts or posters. Show data analysis to create visual tools or presentations that easily present air quality issues and help further the understanding air quality in our community. Use GIS, Census, transportation or air quality monitoring data to assess air quality issues. Work with the District to develop the questions and scope of the project.
	**Reduce and Recycle**: Produce programs that will help reduce garbage or yard waste and improve recycling. Organize recycling efforts to reduce emissions, such as plastic recycling, yard waste recycling or chipping programs. Quantify emission reductions to show expected results.

Air Expressions
Attachment B - Application Requirements

1. Applications are limited to Student Project Leaders and Academic Advisors of 9-12th grade students or local college/university students in Monterey, San Benito or Santa Cruz counties.
2. Student Project Leader(s) must complete the "Air Expressions" Application Form with all required signatures and include the Project Abstract and Project Work Plan. The application form is available at www.montereybaycleanair.org.
3. Develop and submit an abstract (less than 300 words) based on one of the District's project topics (listed in Attachment A). Items to include with your application:

    a. Project Title/Name
    b. Grant amount requested
    c. Draft illustration or design of your project (if applicable)
    d. Project goals, methods and procedures to be used
    e. Detailed project work plan
    f. Detailed itemized budget and justification include equipment, supplies, field trips, etc.
    g. Letters of support (optional)
    h. Project milestones and timelines
    i. Any partnerships (optional)
    j. Leveraging of other funding source

Note: Staff or student salaries, and contractor expenses are not permitted; this also includes university overhead charges.

APPLICATION DEADLINE 5 PM: Friday, October 28, 2016

The District will retain exclusive irrevocable copyright and trademark rights over all material(s) funded by the grant awards.

Air Expressions
Attachment C - Project Requirements

1. Mid-project status update. Each project must submit an email summary or letter summary on the status of task completion.
2. All projects must include a Final Project Report.

   ITEMS TO INCLUDE WITH FINAL REPORT:

   a. A detailed final summary report of project
   b. Copy of student journals detailing project
   c. Photos (The District may select photos to be used on our website)
   d. Identify lessons learned
   e. Project receipts or expense documentation

3. Consider presenting your completed project to District staff or inviting District staff to view your project.
4. Be prepared to present results to the District's Advisory Committee or Board of Directors, if requested.

The Mission of the Monterey Bay
Air Resources District is to
Protect Public and Environmental Health while
Balancing Economic and Air Quality Considerations.