



BAY AREA
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Zero-emission Mobile Agricultural Equipment Demonstration Program

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Webinar Information

This webinar is recorded

A copy of this presentation can be downloaded from the handouts box.

Type in questions using the questions box.

Questions will be answered at the end of the presentation.

The screenshot shows a GoToWebinar control panel with the following sections and callouts:

- Show/Hide Control Panel:** Points to the top navigation bar with icons for home, microphone, and hand.
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Additional details in the screenshot include:

- Audio Section:** Shows 'Telephone' and 'Mic & Speakers' (selected). The microphone is 'MUTED' with a 'Missing a mic' dropdown menu. The speaker volume is at 000000000. The output device is 'Headphones (High Definition Audio Device)'. A 'Sound Check' link is visible.
- Footer:** 'An Air District Webinar', 'Webinar ID: 114-475-211', and the 'GoToWebinar' logo.



Agenda

- Background on the Air District (BAAQMD)
- FARMER Program
- Funding overview
- How to apply
- Application overview
- Program schedule
- Questions



BAAQMD Background

The Air District

- Established in 1955
- Serves over seven million residents in the nine Bay Area counties
- Mission: To protect and improve public health, air quality, and the global climate

Strategic Incentives Division

- Target emission reductions from mobile sources
- Fund technologies and projects with the greatest potential to reduce air emissions from criteria pollutants
 - Criteria pollutants (NO_x, PM, and ROG)
 - Toxic air contaminants
 - Greenhouse gases (GHG)
- Help improve air quality in the highly-impacted Bay Area communities (CARE and CAP Areas)





FARMER Program

- The Funding Agricultural Reduction Measures for Emission Reductions (FARMER) Program was developed in 2017 by the California Air Resources Board (CARB) to help meet the State's criteria, toxic and greenhouse gas emission reduction goals.
- The FARMER Program is part of California Climate Investments (CCI), a statewide program that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment.
- The Cap-and-Trade program creates a financial incentive for industries to invest in clean technologies and develop innovative ways to reduce pollution.
- CCI projects include affordable housing, renewable energy, public transportation, zero-emission vehicles, environmental restoration, more sustainable agriculture, recycling, and more.
- At least 35% of these investments are located within disadvantaged and low-income communities, and benefit low-income households across California.





Zero-emission Agricultural Equipment Demonstration Program

- Up to \$1 million is available for projects to demonstrate mobile, zero-emission equipment used in agricultural operations and achieve significant reductions in greenhouse gas (GHG), criteria pollutants, and toxic emissions.
- The Air District is looking to fund one or more projects that will demonstrate 5 or more zero-emission units in agricultural operations located in the Bay Area.
- Eligible projects must:
 - Demonstrate the operation of zero-emission equipment of 25 hp (or greater) power over 12 months
 - Include data collection
 - Have a fleet, agricultural operator, or partner located in the Bay Area
 - Meet all applicable statutory requirements and program requirements outlined in the Zero-emission demonstration agriculture equipment solicitation document located at www.baaqmd.gov/agriculture



Zero-emission Agricultural Equipment Demonstration Program

- Funding levels:
 - **Max of 80%** of eligible project costs for equipment that is in operation for at least 1 year after completion of the demonstration period
 - **Max of 75%** of eligible project costs for equipment that returns to manufacturer after the completion of the demonstration period
- Applicants may request up to \$1,000,000 (max) in funding per application
- Eligible costs include:
 - Equipment
 - Materials
 - Labor
 - Sales tax for eligible costs
 - Charging or fueling infrastructure



Zero-emission Agricultural Equipment Demonstration Program

- The following required activities are not eligible for reimbursement:
 - Application preparation
 - Data collection
 - Project administration
 - Reporting
 - Maintenance
 - Travel
 - Permits
 - Operating costs
 - Environmental review
 - Electricity or fuel cost
- Interim payments may be made on a milestone completion basis, as approved by the Air District
- Air District may award funding to more than one application or zero applications if no applications are received for viable projects



How to Apply

- **Who can apply?**
 - Private sector parties (i.e., technology manufacturers and end-users) interested in demonstrating a technology, other California-based public entities, or California-based non-profit organizations
 - Applicants and project partners must be in compliance with all local, state and Federal Air Quality and environmental regulations.
 - Only projects from eligible applicants will be scored.
- **Required application elements**
 - Application form/ coversheet
 - Work/ Implementation plan
 - Team/ partner description
 - Total cost estimate/ Budget
 - Equipment description / manufacturer summary
 - Letter(s) of commitment from all project partners
 - Description of value of demonstration and potential for commercialization
- More detailed information is available online: www.baaqmd.gov/agriculture



How to Apply

Application submittal

- Application package must include four (4) copies of the application elements in addition to the signed original and one (1) saved onto a compact disc (CD).
- The CD must contain the application package, including all required documents, saved as a single electronic file in either Microsoft Word or Portable Document Format (PDF).
- Applicants should not include any confidential information or data. Proposals should be limited to 10 pages, not including the cover sheet or attachments.
- Applications that do not meet these requirements may not be scored and may be disqualified.
- **The deadline for receiving applications is 3 PM on April 15, 2020.** Applications must be mailed to the following address:

**Bay Area Air Quality Management District
Strategic Incentives Division
Attention: Anthony Fournier, FARMER DEMO
375 Beale St., Suite 600
San Francisco, CA 94105**



Application Review and Award(s)

- The Air District will evaluate each proposed project component using the information provided in the application and review, score, and rank each project component based on the Program's evaluation criteria
- Selected demonstration projects must be approved by CARB and the Air District's Board of Directors before receiving funding
- Air District will enter into contracts for the selected project(s)
- The contract will include requirements regarding the project schedule, deadlines, funding award amount, project scope, performance requirements/ penalties, monitoring and reporting, payment procedures, recordkeeping, termination, repayment, etc.

Note: No equipment is to be ordered and no work is to begin until a fully executed contract between the Air District and the grantee is in place. No costs or financial commitments that are incurred or undertaken prior to the date of full execution of the contract will be considered for reimbursement from the Air District. Air District Board approval does not guarantee funding. Only a fully executed contract constitutes an obligation for the Air District to fund a project.



Application Evaluation Criteria and Scoring

Evaluation criteria	Possible points
Project objectives and work/ implementation plan <ul style="list-style-type: none">• Objectives• Work/ implementation plan details and feasibility• Partners	20
Readiness <ul style="list-style-type: none">• Resources available• Readiness for demonstration implementation	20
Qualifications <ul style="list-style-type: none">• Applicant experience/ history• Partners roles and experience	20
Budget <ul style="list-style-type: none">• Itemized equipment and infrastructure cost• Co-funding/ match• Cost per piece of demonstrated equipment• Total project cost	15
Technology/ innovation <ul style="list-style-type: none">• # of units to be demonstrated• Commercial readiness of technology• Potential for Market Penetration and Commercialization• Innovation	15
Timeline	5
Application completeness	5
Total Points Possible	100



Project Schedule

Estimate timeframe	Milestone
3/6/2020 - 4/15/2020	Application solicitation period
3/19/2020	Air District FARMER demonstration program solicitation webinar
4/6/2020	Deadline to submit written questions on the solicitation
4/8/2020	Q&A responses posted to website (1 week before RFP closing)
4/15/2020 by 3 pm	Applications must be received by Air District
4/2020	Project recommendations shared with CARB
5/2020 – 6/2020	Air District Board recommendations
6/15/2020	Contract execution
No later than 6/1/2021	Equipment delivery/ start of equipment operation
No later than 6/1/2022	Final Report and final reimbursement submittal deadline
6/30/2022	Fund liquidation deadline



Questions?

Written questions will be accepted by email until Monday, April 6th, and should be sent to afournier@baaqmd.gov with the subject line “RE: FARMER Demo Program.” Responses to all written questions received will be collected and posted on the Program website by **4/8/2020** at: www.baaqmd.gov/agriculture

The deadline for receiving applications is 3 PM on April 15, 2020