

BAY AREA Air Quality

MANAGEMENT

DISTRICT

Zero-emission Mobile Agricultural Equipment Demonstration Program

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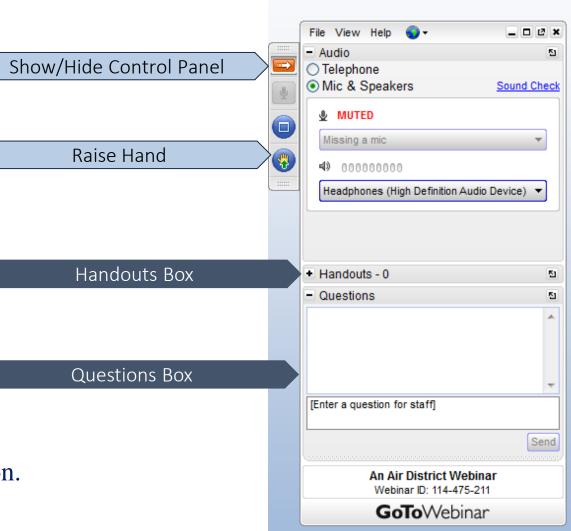
BAAQMD Zero-emission Ag demonstration program – 3/19/20



Webinar Information

This webinar is recorded File View Help Audio Show/Hide Control Panel> Telephone Mic & Speakers MUTED Missing a mic **Raise Hand** ۳. 4) 000000000 A copy of this presentation can be downloaded from the handouts box. Handouts Box Handouts - 0 Questions Type in questions using the questions box. Questions Box

Questions will be answered at the end of the presentation.







- 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 (NOx, PM, and ROG)
 - Toxic air contaminants
 - \circ 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 lowincome 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 zeroemission 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
 - \circ 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 Zeroemission demonstration agriculture equipment solicitation document located at <u>www.baaqmd.gov/agriculture</u>



Zero-emission Agricultural Equipment Demonstration Program

- Funding levels:
 - <u>Max of 80%</u> of eligible project costs for equipment that is in operation for at least 1 year after completion of the demonstration period
 - <u>Max of 75%</u> 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
 - o 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:

• Maintenance

o Travel

- Application preparation
- Data collection
- Project administration Permits
- Reporting Operating costs

- \circ 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.

• <u>Required application elements</u>

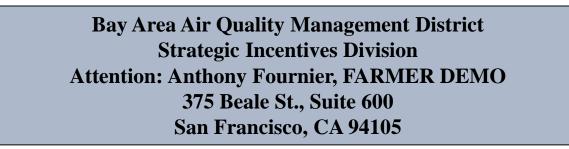
- Application form/ coversheet
- Work/ Implementation plan
- Team/ partner description
- Total cost estimate/ Budget
- Equipment description / manufacturer summary
- Letter(s) of commitment from all project partners
- \circ Description of value of demonstration and potential for commercialization
- More detailed information is available online: <u>www.baaqmd.gov/agriculture</u>



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.
- <u>The deadline for receiving applications is 3 PM on April 15, 2020</u>. Applications must be mailed to the following address:





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	
roject objectives and work/ implementation plan		
Objectives	20	
• Work/ implementation plan details and feasibility	20	
• Partners		
Readiness		
Resources available	20	
Readiness for demonstration implementation		
Qualifications		
Applicant experience/ history	20	
Partners roles and experience		
Budget		
• Itemized equipment and infrastructure cost		
Co-funding/ match	15	
Cost per piece of demonstrated equipment		
Total project cost		
Technology/ innovation		
• # of units to be demonstrated		
Commercial readiness of technology	15	
• Potential for Market Penetration and	15	
Commercialization		
Innovation		
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	





<u>Written questions will be accepted by email until Monday, April 6th</u>, and should be sent to <u>afournier@baaqmd.gov</u> 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: <u>www.baaqmd.gov/agriculture</u>

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