

CALIFORNIA AIR RESOURCES BOARD

Email: FARMER@arb.ca.gov



## Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program


Public Workshop: December 18, 2018

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## Background

- In FY 2017-18: \$135 million allocated to CARB from three sources:
  - Air Quality Improvement Fund (AQIF);
  - Alternative and Renewable Fuel and Vehicle Technology Fund (ARFVTF); and
  - Greenhouse Gas Reduction Fund (GGRF).
- Funds used to reduce agricultural sector emissions.



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## Types of Investments

- Agricultural harvesting equipment
- Heavy-duty trucks
- Agricultural pump engines
- Tractors
- Other equipment used in agricultural operations



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## FARMER Guidelines

- Approved in March 2018
- Includes eligible project categories and requirements
- Provides EO authority for expansion of the program
- Defines Board-approved funding distribution formula based on legislative direction and public feedback



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## Additional/Modified Project Categories

- Approved in Sep 2018
  - FARMER truck category- 65% funding for new or used trucks
  - Additional funding for equipment no longer available with similar horsepower ratings.
  - Streamlined UTV process for districts



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## FARMER Progress to Date

- Grant agreements executed
- Most districts have submitted disbursement requests and have received FARMER funding
- Many districts have begun spending their allocations
- Quarterly reports received (11/30/18 deadline)
- CARB may redirect funding to districts with greatest demand if milestones are not met



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## Questions???

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## Fiscal Year 2018-19 Funding

- SB 856 allocated an additional \$132 million for Fiscal Year 2018-19
  - \$112 million from GGRF
  - \$20 million from CA Tire Recycling Management Fund



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## San Joaquin Valley SIP

- ~12,000 tractors to be replaced through incentives by 2024 (T0, T1, T2 over 200 hrs)
- Ag measure if reductions are not achieved
- Only district in CA with emission reduction commitments from ag



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## Agricultural Equipment Inventory

- Current inventory based on 2008 ag survey data
- CARB staff to conduct new survey on ag equipment
- CARB intends to update its ag inventory based on results of new survey and 2017 USDA Ag Census data
- Updated inventory to be included in the FARMER distribution formula



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## Fiscal Year 2018-19 Funding Distribution

- CARB to utilize existing, CARB Board-approved funding distribution formula for FY 2018-19 funds
- 80 percent of funding to SJVAPCD
- 20 percent of funding to remaining districts based on agricultural equipment emissions and air quality attainment status



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## Tentative Air District Allocations (FY 2018-19)

District Name	Approx. FARMER Allocation	District Name	Approx. FARMER Allocation
Bay Area	\$1,923,000	San Diego	\$1,226,000
Butte	\$1,638,000	San Joaquin Valley	\$104,304,000
Colusa	\$1,333,000	San Luis Obispo	\$876,000
Eastern Kern	\$712,000	Santa Barbara	\$644,000
Feather River	\$2,181,000	South Coast	\$1,815,000
Glenn	\$1,403,000	Tehama	\$630,000
Imperial	\$1,146,000	Ventura	\$1,192,000
Monterey Bay	\$1,254,000	Yolo Solano	\$1,768,000
Sac Metro	\$955,000	Shared Allocation Pool	\$5,381,000

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## Potential Modifications to Existing Categories

- Inclusion of tractors <25 hp into UTV category
- Ag Trade-Up Pilot Project
  - Potential to include tier 4i in trade-up interim step



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## Other Additions/Modifications

- Advanced technology demonstrations
- FARMER truck category
  - Potential additional funding for warranties to help ensure replacement trucks remain operational
- Others???



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## Next Steps

- Update CARB Board on FY 17-18 funding and FY 18-19 district allocations
- Execute district grant agreements for FY 18-19
- Develop modified and additional projects categories through public process

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## Questions? Comments?

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