



California Department of Food and Agriculture
Office of Environmental Farming and Innovation and
Office of Grants Administration



2017 Alternative Manure Management Program

Grant Application Workshop

2017 Request for Grant Applications

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About the Program

Competitive grant solicitation process administered by the California Department of Food and Agriculture (CDFA).

Purpose is to award funds to California dairy and livestock operators for the implementation of alternative manure management practices that result in methane emission reductions.

Projects must reduce methane emissions on a commercial California dairy or livestock operation

Funding and Duration

2017 AMMP funding is authorized by Budget Act of 2016, AB 1613

- **\$9 - \$16 million available**



Project Grant Amounts:
Not to exceed \$750,000

Maximum Project Duration:
February 1, 2018 – January 31, 2020




Eligibility

The project site must be located on a commercial California dairy or livestock operation.

A group of dairy or livestock operations can submit one grant application to develop centralized projects (e.g. a centralized composting facility).

Projects with existing dairy digesters **NOT** funded by CDFA's Dairy Digester Research and Development (DDRDP) program may apply to reduce methane emissions from manure **NOT** being treated in the digester system.



Eligible Alternative Manure Management Practices

Each AMMP project requesting funding must include at least one of the following project components that reduce baseline methane emissions:

1. Pasture-based management including
 - i. Conversion of a non-pasture livestock operation to pasture-based management
 - ii. Increasing the amount of time livestock spend at pasture at an existing pasture operation
 - iii. Construction of a compost bedded pack barn

All pasture-based management projects must currently manage/store some manure in anaerobic conditions and introduce new practices that reduce the quantity of manure managed in such conditions



Eligible Alternative Manure Management Practices

2. Solid separation (in conjunction with one of the following):
 - a. Open solar drying
 - b. Closed solar drying
 - c. Forced evaporation with natural-gas fueled dryers
 - d. Daily spread
 - e. Solid Storage
 - f. Composting in vessel
 - g. Composting in aerated static pile
 - h. Composting in intensive windrows
 - i. Composting in passive windrows
3. Conversion from flush to scrape (in conjunction with one of the practices *a* through *i* listed above)






Exclusions

Projects that propose to switch existing management practices to those that increase baseline greenhouse gas (GHG) emissions (e.g., from dry scrape to flush lagoon systems).

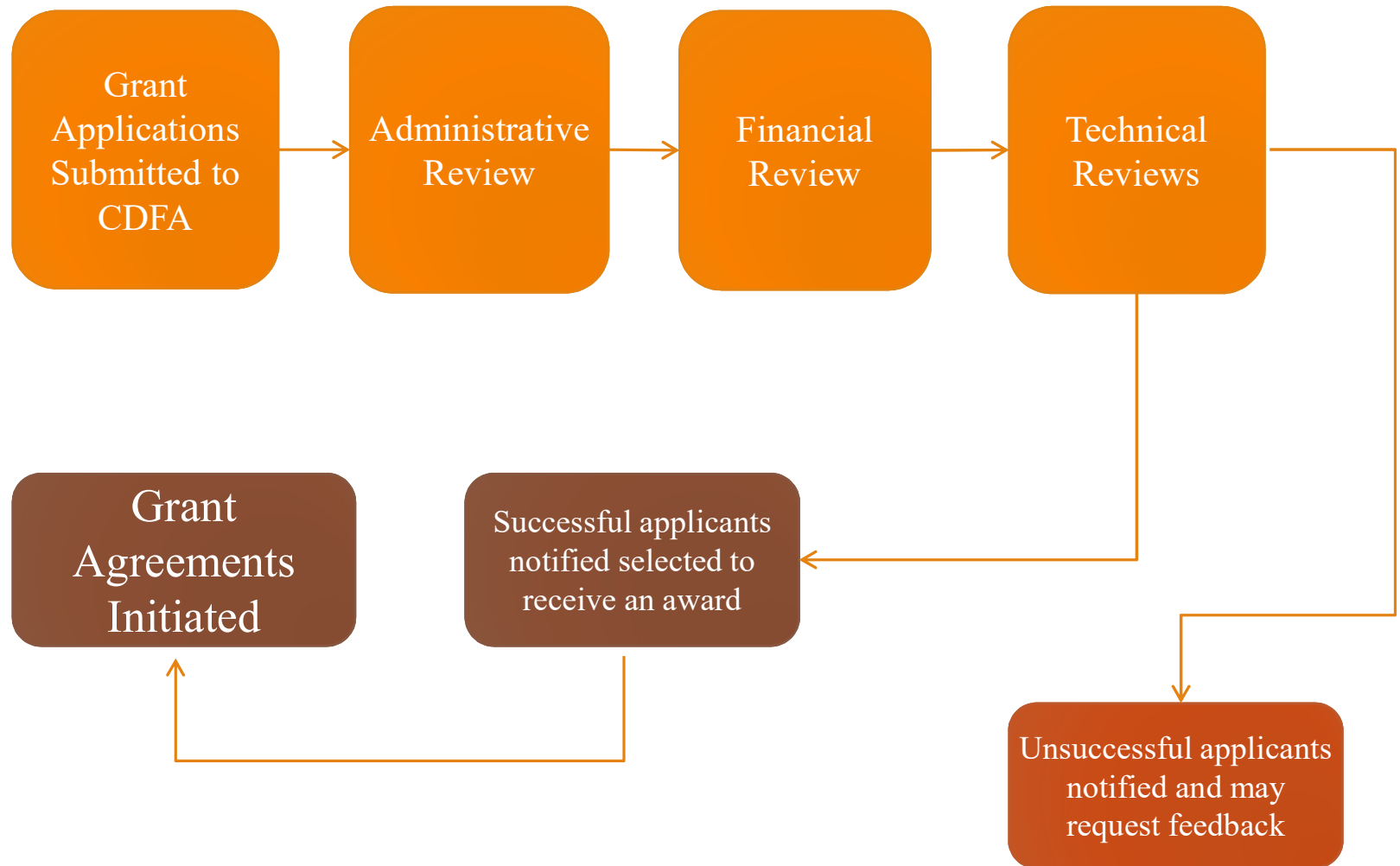
Duplicate equipment or activities that will receive funding from a different state or federal funding source.

Operations that have already installed, or plan to install an anaerobic digester system funded by DDRDP.

Treatment of manure digestate, i.e., digested manure material resulting from an anaerobic digestion process



Solicitation Process



Solicitation Timeline

Invitation to submit Grant Applications		August 21, 2017
Application Workshop I	2:00 p.m. – 4:00 p.m. 5630 South Broadway Eureka, CA 95501	September 7, 2017
Application Workshop II	2:00 p.m. – 4:00 p.m. 133 Aviation Blvd., Suite 110 Santa Rosa, CA 95403	September 8, 2017
Application Workshop III and Webinar	2:00 p.m. – 4:00 p.m. 3800 Cornucopia Way, Suite B Modesto, CA 95358	September 14, 2017
Application Workshop IV	10:00 a.m. – 12:00 p.m. 4437 South Laspina Street Tulare, CA 93274	September 15, 2017
Grant Applications Due		October 2, 2017 5:00 p.m. PDT
Announce and Award Funding		January 2018

Additional workshops and technical assistance will be provided by non-profits, the University of California Cooperative Extension and Resource Conservation Districts
For more information visit - <https://www.cdfa.ca.gov/oefi/AMMP/>



Program Requirements

Methane and equivalent Greenhouse Gas reductions from alternative (non-digester) manure management practices on California dairy and livestock operations must be permanent, annual and measurable.

Matching funds, although not required, are highly encouraged. CDFA will fund up to 100% of the total project costs with a maximum grant award not to exceed \$750,000 per project.

Compliance with the California Environmental Quality Act (CEQA) and all applicable permitting within six months of the execution of the grant agreement.

Use commercially available technology with proven operating history.



Program Requirements

Must use Air Resources Board's Quantification Methodology for FY 2016-17 and Estimated GHG Reduction Calculator.

The calculator assists applicants in estimating avoided methane emissions from anaerobic manure decomposition.

The ARB GHG quantification methodology is available at:

<https://www.arb.ca.gov/cc/capandtrade/auctionproceeds/quantification.htm>

Questions regarding the QM Tool should be submitted to:

GGRFProgram@arb.ca.gov





Budget Cost Categories

Project costs must clearly support the implementation of the non-digester manure management practice(s), including, but not limited to:


Supplies: items with an acquisition cost less than \$5,000 per unit and have a useful life of less than one year.

Equipment: nonexpendable, tangible personal property that has a useful life of more than one year and a cost of \$5,000 per unit or greater.

Contractor/Consultant: labor to install the project. Consultant fees are for a specific and identifiable service that is directly related to project implementation.


Design and engineering: costs, including those provided by contractor/consultants up to 5% of the total amount requested.

Other: direct expenses for implementing the project not covered in any of the previous categories.





Unallowable Costs

- 2017 AMMP grant funds may not be used to reimburse applicants for costs incurred outside of the grant term.
 - Costs covered by another State or Federal grant program.
 - Pre-development costs, including, but not limited to: permits, project designs, and any other activities that contributed to a project's readiness.
 - Costs associated with environmental review required for project permits, including preparation of Environmental Impact Reports.
 - Expenditures for purchasing or leasing land or buildings.
 - Purchase of dairy manure (tipping fees) or other feedstocks.
 - Costs associated with the three-year post-project GHG emissions reductions reporting.
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Review and Evaluation Process

Multiple Levels of Review:

1. Administrative Review – Internal
2. Financial Review – Internal
3. Overall Review – Technical Advisory Committee (TAC)
4. Projects will be funded based on the following criteria:

GHG Emission Reduction	35 points
Project Plan and Long-Term Viability	25 points
Budget and Financials	15 points
Project Readiness	10 points
Environmental Benefits	10 points
Benefits to Disadvantaged and Low-Income Communities	5 points
TOTAL	100 points



How to Apply

Partnership with State Water Resources Control Board to host a web-based application submission process.

Online application system: FFAST

User account needed to submit grant application

- [How to Create a FFAST Account](#)
- [FFAST User Manual](#)

Financial Assistance Application Submittal Tool (FFAST):

<https://faast.waterboards.ca.gov>



General Information Tab

Applicant Organization:

- Legal business name of the agricultural organization that will receive grant funds.

Submitting Organization:

- Name of the organization submitting the application on behalf of the agricultural organization.

Project Title:

- Should appropriately and concisely describe the project in 125 characters.

Project Description:

- Summarize the project, including manure management practice type, herd size, and estimated GHG emissions reduction.

Project Location:

- Enter the latitude and longitude, watershed, county, and regional water board.
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Questionnaire Tab

1. Project Plan and Long-Term Viability
2. Budget and Financials
3. Estimated GHG Emissions Reduction
4. Project Readiness
5. Environmental Benefits
6. Benefits to Disadvantaged and Low-Income Communities
7. Agreement to Participate in Methane Manure Management Research
8. Attachments



Attachments Tab

Project Plan and Long-Term Viability

Attachment 1: [Project Narrative Template](#) (required)

- Attachment 1.1: Site Plan, project design documents, schematic diagrams, etc.
- Attachment 1.2: Letter of Agreement from landowner
- Attachment 1.3: Resumes, team commitment letters, etc.

Attachment 2: [Work Plan Template](#) (required)



Attachments Tab

Budget and Financials

Attachment 3: [Budget Worksheet Template](#) (required)

Attachment 4: Financials (required)

- Provide documentation regarding the organization's financial strength. In case of a partnership, information from all partners is required.
- If the project will be a new partnership with little or no history, please submit key financial information from all collaborators (e.g. dairy operators and developer).
- Indicate all additional funding sources and ability to commence work while waiting for grant payments in arrears.

Project partners must not have filed for bankruptcy in the past five years





Attachments Tab

Estimated GHG Emissions Reduction

Attachment 5: [Estimated GHG Reduction Calculator](#) (required)

- Attachment 5.1: Explanation of assumptions of GHG calculations.

Project Readiness

Attachment 6: Permitting Documents

- Applicants must provide copies of applicable permits obtained, which include but are not limited to:
 - Notice of Determination (NOD)
 - Conditional Use Permit
 - Authority to Construct
 - Waste Discharge Requirements
 - Solid Waste Facilities Permit



Attachments Tab

Benefits to Disadvantaged and Low-Income Communities

Attachment 7: Benefits to Disadvantaged and Low-Income Communities Supporting Documentation

- Examples of supporting documentation may include, but are not limited to:
 - Technical analysis documenting how project will decrease odor, criteria or toxic air pollutant emissions (e.g. decreased diesel fuel combustion)
 - Labor contracts
 - Agreements with job training or certification programs
 - Documentation of employee domicile

Disqualification

- One or more unanswered questions necessary for the administrative, fiscal, or technical review;
- Missing, blank, unreadable, or corrupt content;
- Unusable or unreadable attachments;
- Requests for more than the maximum award amount.





Award Requirements

If selected for an award, execution of the grant agreement is conditional upon applicants agreeing to the following program requirements:

- CEQA compliance anticipated within six months of executed grant agreement.
- Grant recipients must submit annual status reports to CDFA explaining in detail the project's progress during the project term.
- Recipients must report annual GHG emission reductions data in MTCO₂e to CDFA for three years after the end of the project term.

Award recipients will also undergo project verification to ensure projects are being implemented as proposed

CEQA compliance, status reports and post-project GHG reporting NOT reimbursable costs under 2017 AMMP funding guidelines

Questions and Answers

- Email questions to: grants@cdfa.ca.gov
- Email QM questions to: GGRFProgram@arb.ca.gov
- Questions posted to CDFA website: www.cdfa.ca.gov/grants
- Timeline:

Questions Received by:	Responses Posted by:
August 30, 2017 at 8:00 a.m.	September 1, 2017 at 5:00 p.m.
September 13, 2017 at 8:00 a.m.	September 15, 2017 at 5:00 p.m.
September 20, 2017 at 8:00 a.m.	September 22, 2017 at 5:00 p.m.

