

# 2019 Alternative Manure Management Program

Application Assistance Workshop



# Program Updates for 2019

- AMMP Incentives (3<sup>rd</sup> Round)
- AMMP Demonstration Projects (NEW)
  - New Technologies and Practices (NTP)
  - Advancing Practices Farmer to Farmer (APFF)



# About the Program

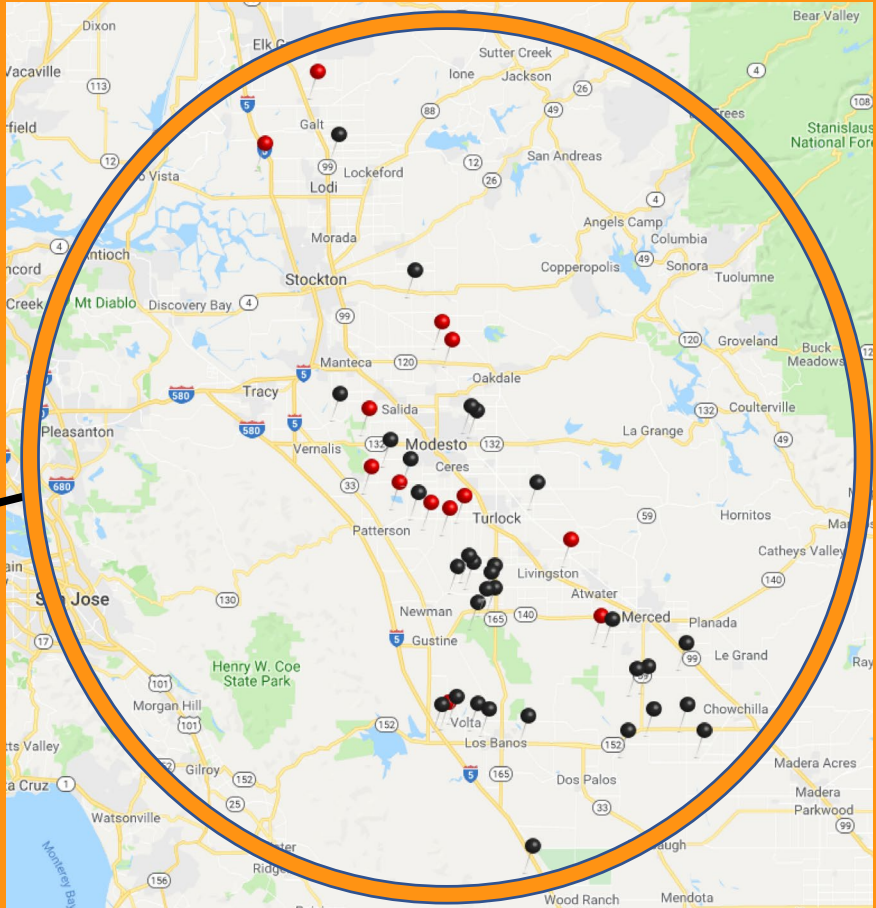
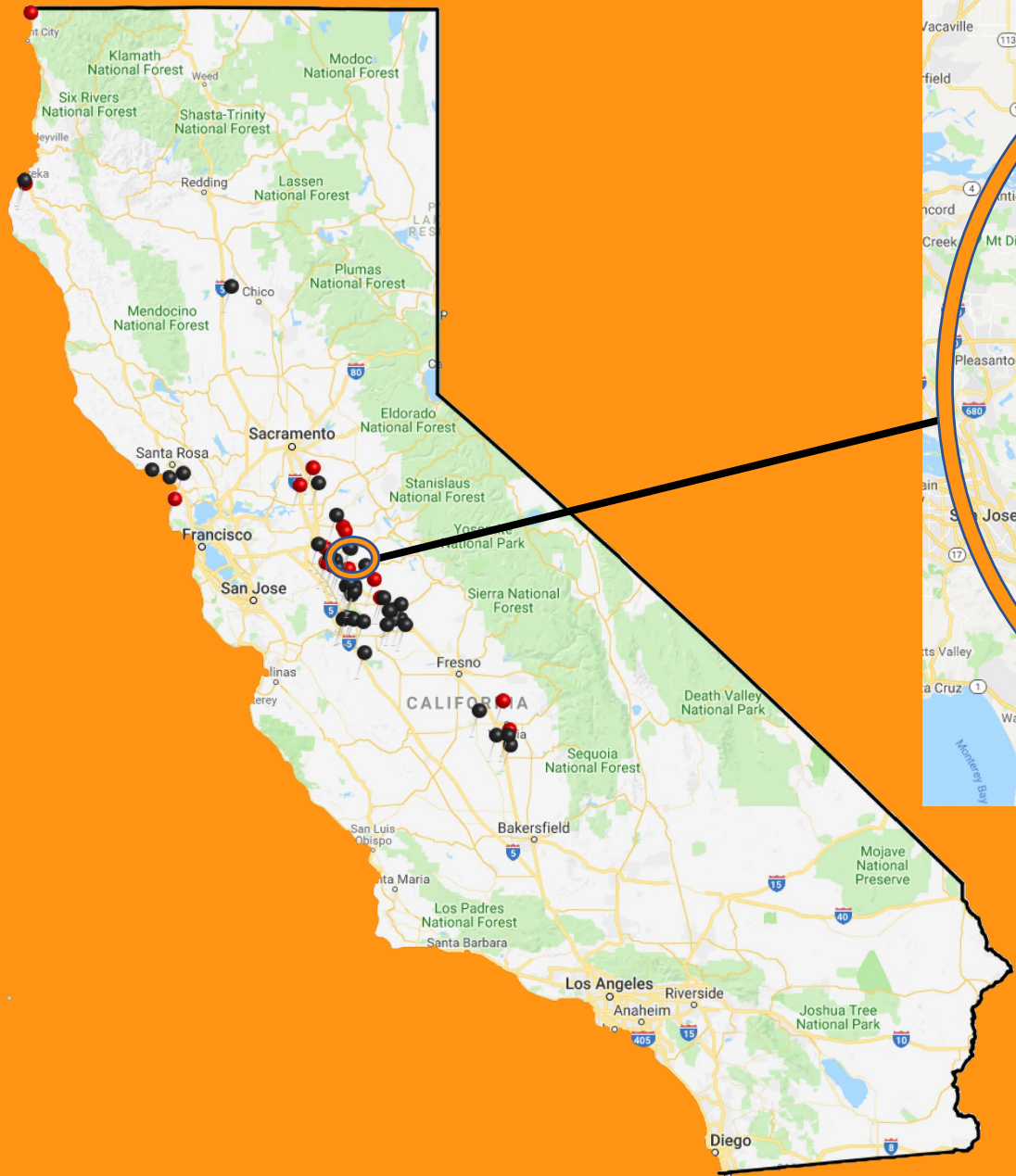


- **What is AMMP?**

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

- **Purpose**

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



**57 projects awarded**  
**\$31.2 million**  
**711,400 MT CO<sub>2</sub>e over 5 years**

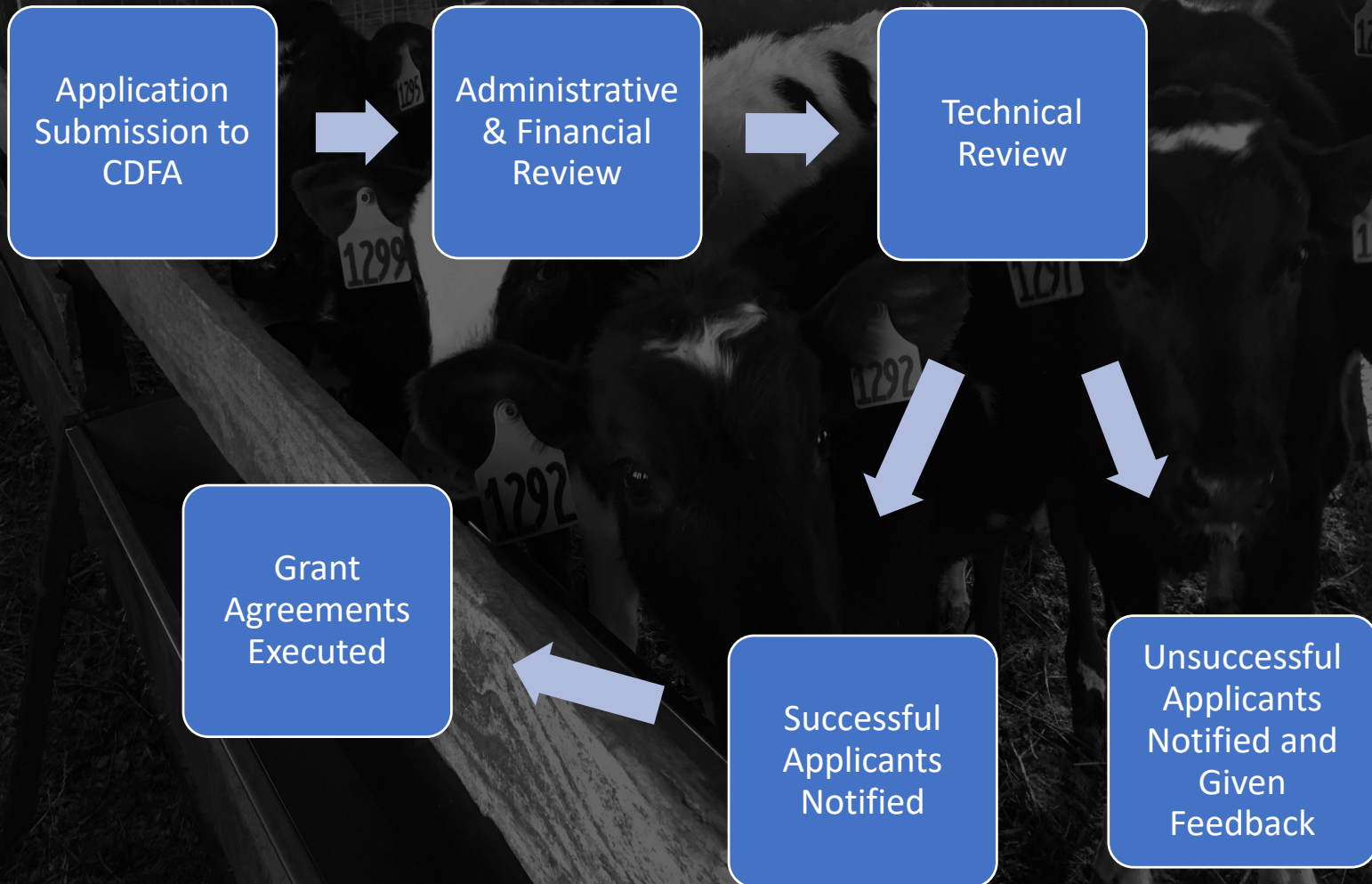
# Changes from 2018

- Addition of new eligible practice category which includes:
  - Compost bedded pack barn (previously under pasture-based management)
  - Slatted floor pit storage
- Changes to Benefits Calculator Tool including:
  - Stacking of practices
  - Option to select partial conversion to scrape
  - Calculation of environmental co-benefits
- New electronic application submission system

# Funding and Duration

- 2019 AMMP funding is authorized by the Budget Act of 2018, SB 856
- \$19 to 33 million available
  - Up to \$750,000 per project
  - \$2,000,000 also available for Demo Projects
- Maximum project duration
  - October 1, 2019 to September 30, 2021

# Solicitation Process



# Eligibility

- The project site must be located on a commercial California dairy or livestock operation.
- A group of dairy or livestock operations can propose to develop a centralized project (e.g. a centralized composting facility).
- Project with existing dairy digesters **NOT** funded by CDFA's Dairy Digester Research and Development Program (DDRDP) may apply to reduce methane emissions from manure **NOT** being treated in the digester system.



# Eligible Practices



## 1. Pasture-based management including:

- Conversion of a non-pasture livestock operation to a pasture-based management
- Increasing the amount of time livestock spend at pasture at an existing pasture operation

## 2. Alternative manure treatment and storage including:

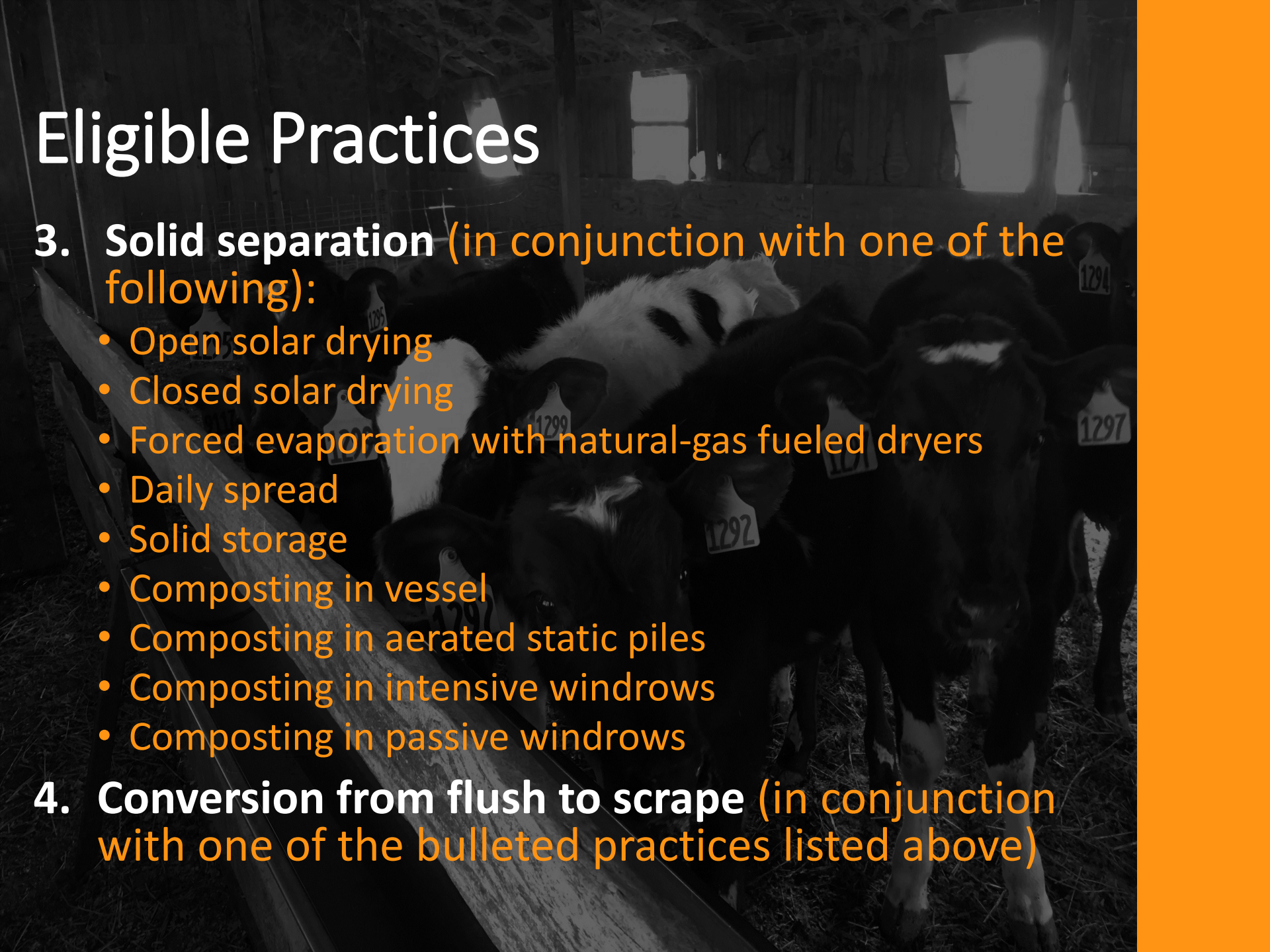
- Compost bedded pack barn
- Slatted floor pit storage

# Eligible Practices

## 3. Solid separation (in conjunction with one of the following):

- Open solar drying
- Closed solar drying
- Forced evaporation with natural-gas fueled dryers
- Daily spread
- Solid storage
- Composting in vessel
- Composting in aerated static piles
- Composting in intensive windrows
- Composting in passive windrows

## 4. Conversion from flush to scrape (in conjunction with one of the bulleted practices 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 or operations that previous received AMMP funding
- Treatment of manure digestate, i.e. digested manure material resulting from an anaerobic digestion process

# Tentative Timeline

ITEM	TIMEFRAME
Notification of funding (solicitation release)	December 28, 2018
Grant Applications Due	April 3, 2019
Review Process	May – August 2019*
Announce and Award Funding	September 2019*

\*Subject to change

# Scoring

Estimated GHG Reduction	35 points
Project Plan & Long-Term Viability	25 points
Budget & Financials	15 points
Project Readiness	10 points
Environmental Co-Benefits	10 points
Benefits to Priority Populations	<u>5 points</u>
<b>TOTAL</b>	<b>100 points</b>

# Electronic Application Submission System

- 2019 AMMP applicants will be using a new electronic application submission system (replacing FFAST)
- Applicant portal is available at:
  - [https://webportalapp.com/sp/cdfa\\_ammmp](https://webportalapp.com/sp/cdfa_ammmp)

# Application Attachments

## Project Plan & Long-Term Viability

### 1. Project Narrative Template

1.1 - Site plan, project design documents, schematic diagrams, etc.

1.2 - Letter of agreement from landowner

### 2. Work Plan Template

## Budget & Financials

### 3. Budget Worksheet Template

3.1 – Bids or quotes to support budget costs

### 4. Financials

- Independent CPA Audits, tax returns, financing letter from bank

# Application Attachments

## Estimated GHG Emissions Reduction

### 5. Benefits Calculator Tool

5.1 – Explanation of assumptions of GHG calculations

## Project Readiness

### 6. Permitting Documents

- Provide copies of permits obtained (NOD, CUP, ATC, WDRs, etc.)

## Benefits to Priority Populations

### 7. Supporting Documentation

7.1 – CARB Community Engagement Questionnaire



# Benefits Calculator Tool

- Applicants must use the California Air Resource Board's Benefits Calculator Tool to estimate avoided methane emissions from anaerobic manure decomposition
- For specific questions regarding the Benefits Calculator Tool, please contact [GGRFProgram@arb.ca.gov](mailto:GGRFProgram@arb.ca.gov)
- The Benefits Calculator Tool is available at:
  - <https://ww2.arb.ca.gov/resources/documents/cci-quantification-benefits-and-reporting-materials>

# Q & A Schedule

Questions Received by:	Responses Posted by:
January 11, 2019	January 18, 2019
January 25, 2019	February 1, 2019
February 15, 2019	February 22, 2019
March 8, 2019	March 15, 2019
March 22, 2019	March 29, 2019

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