**CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE**
**2024 Alternative Manure Management Program**
Applications Submitted to CDFA

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| # | Project Title | Description* | County | GHG Emission Reduction Over 5 Years ($MTCO_2e$)** | Requested Grant Funds | Matching Funds Proposed | Primary Management Practice |
|---|---|---|---|---|---|---|---|
| 1 | Boldrini Dairy | Boldrini dairy is proposing to implement a manure separator to reduce manure methane emissions. | Humboldt | 2,016 | $ 368,168.25 | $ - | Solid Separation, Open Solar Drying |
| 2 | Borba Dairy Farms LP - Hills Ferry Ranch Compost Bedded Pack Barn | Borba Dairy Farms LP - Hills Ferry Ranch proposes to construct a compost bedded pack barn over existing corrals that flush and house heifers currently. The barn will house heifers and will have 26 53" fans for animal comfort. Flushing lanes will no longer flush and will be dry scraped; manure scraped will be used for bedding and composting activities in the pack barn. | Stanislaus | 3,281 | $ 750,000.00 | $ 157,686.00 | Compost Bedded Pack Barn |
| 3 | Borba Dairy Farms LP Compost Bedded Pack Barn | Borba Dairy Farms LP proposes to construct a compost bedded pack barn over existing corrals that flush and house milk cows currently. The barn will house a portion of the herd's highest producing milk cows and will have 18 53" fans for animal comfort. Flushing lanes will no longer flush and will be dry scraped; manure scraped will be used for bedding and composting activities in the pack barn. | Merced | 7,553 | $ 750,000.00 | $ 283,426.26 | Compost Bedded Pack Barn |
| 4 | Borges Dairy LLC Mechanical Separator Project | Borges Dairy, LLC. is proposing to install a mechanical separator through the AMMP Grant Program as a means to reducing methane emissions on the dairy facility. The dairy is proposing to install a GEA 2 stage screen separator with a roller press, processing pit, and manure stacking pad are also proposed as part of the project. | San Joaquin | 4,100 | $ 750,000.00 | $ 22,911.12 | Solid Separation, Composting |
| 5 | Bosch Dairy Farms Mechanical Separator | Bosch Dairy Farms proposes to install secondary Valmetal Curved & Sloped Screen Mechanical Separator to improve separation efficiency to reduce Green House Gases. | Tulare | 4,881 | $ 750,000.00 | $ 8,099.37 | Solid Separation, Open Solar Drying |
| 6 | C. David Vander Eyk Dairy #1 Solid Separation Project | The C. David Vander Eyk Dairy #1, located in Tulare County, proposes to improve the management of its dairy cow manure. The dairy currently collects manure by scraping corrals and flushing the feed lanes in the open lots. The manure collected by flushing receives no mechanical treatment before long-term storage in uncovered anaerobic lagoons. The lagoon water is applied to the farm's crops. The proposed AMMP project will improve the dairy's manure management by installing a new mechanical solid-liquid separator to treat all liquid manure produced daily at the dairy. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, the dairy can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be used as bedding or field applied. Improvements from this project will have significant economic and environmental benefits for the dairy. | Tulare | 20,156 | $ 749,995.00 | $ 1,329,836.00 | Solid Separation, Solid Storage |

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| 7 | Correia Family Dairy Farms LP Heifer Ranch Compost Bedded Pack Barn | Correia Family Dairy Farms LP Heifer Ranch proposes to construct a compost bedded pack barn over existing corrals that flush and house heifers currently. The barn will house heifers and will have 26 53" fans for animal comfort. Flushing lanes will no longer flush and will be dry scraped; manure scraped will be used for bedding and composting activities in the pack barn. | Merced | 1,763 | $ 750,000.00 | $ 197,751.00 | Compost Bedded Pack Barn |
| 8 | Countyline LLC Solid Separation Project | The dairy Countyline LLC, located in Stanislaus County, proposes to improve the management of its dairy cow manure. The dairy currently collects manure by composting solids and flushing the feed lanes in the open lots. The manure collected by flushing receives mechanical separation treatment with old and undersized equipment before long-term storage in uncovered anaerobic lagoons. The lagoon water is applied to the farm's crops. The proposed project will improve the dairy's manure management by replacing existing separators with new separators to treat all liquid manure produced daily at the dairy. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, the dairy can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be composted and used as bedding. Improvements from this project will have significant economic and environmental benefits for the dairy owner. | Stanislaus | 9,522 | $ 749,995.00 | $ 1,372,655.00 | Solid Separation, Composting |
| 9 | Cross A Dairy LP Compost Bedded Packbarn and Upgrade Separation System | The proposed project at Cross A Dairy is to convert the corrals south of the milking barn to a 200' by 190' compost bedded-pack barn to house fresh and closeup Holsteins. Additionally, the separation system will be updated to include a fan press for the secondary processing of effluent after primary separation over the existing slope screens. | Stanislaus | 9,970 | $ 750,000.00 | $ 23,591.00 | Compost Bedded Pack Barn |
| 10 | Cross View Dairy Separator Project | Cross View Dairy proposes to replace an existing poorly functioning separator with a new separator to remove more of the manure solids from the flush water before it enters the storage pond to reduce the amount of methane produced from manure at the dairy. | Stanislaus | 10,075 | $ 749,884.76 | $ 88,000.00 | Solid Separation, Composting |
| 11 | CSU Chico University Dairy | CSU Chico University Dairy proposes the implementation of a compost-bedded pack barn to house lactating cows. This project also proposes the purchase of new equipment to properly maintain the required C:N ratios within the bedded pack and achieve a successful composting process. This project will provide cow comfort, human safety, and methane reduction. Furthermore, the proposed project has a co-benefit of being uniquely positioned to educate the next generation of dairy producers in California. | Butte | 838 | $ 750,000.00 | $ 470,948.30 | Compost Bedded Pack Barn |
| 12 | David Vander Schaaf Dairy: Conversion from Flush to Scrape | The proposed project aims to fund a vacuum system for all the feed lanes and a cement slab for a manure drying area. This initiative will significantly reduce the amount of wastewater flowing into the ponds, thereby restoring much-needed capacity and enabling the adoption of improved farming practices. The cement slab can be installed in front of the commodity barn, where there is a large, unused area with drainage sloping toward the lagoon. Once the manure has dried, it can be incorporated into the existing windrow composting system. | Kern | 9,067 | $ 513,337.38 | $ - | Conversion from Flush to Scrape, Open Solar Drying |

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| 13 | Diamond L Milk Co and Trinity C Solid Separation Project | The Diamond L Milk Company proposes to install a mechanical separator to treat the liquid manure produced daily at the dairy and at the adjacent Trinity Cattle Co. The dairies currently collect manure by scraping corrals and flushing freestalls, parlors, and the feed lanes in their open lots. The manure collected by flushing at either dairy receives no mechanical separation treatment before long-term storage in uncovered anaerobic lagoons. The lagoon water is applied to the farm's crops. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, both dairies can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be composted and spread on the fields. Improvements from this project will have significant economic and environmental benefits for both dairy operations. | Tulare | 7,830 | $ 749,995.00 | $ 486,625.00 | Solid Separation, Composting |
| 14 | Diamond M Dairy | This project is compost bedded pack barn construction. This project proposes to construct a compost bedded pack barn to house cows eight months annually, replacing lot housing. | Sonoma | 874 | $ 750,000.00 | $ 1,000,611.82 | Compost Bedded Pack Barn |
| 15 | DK Land LLC - Installation of Compost Bedded Pack Barn | The manure collection method currently utilized at this facility is flushing using pressurized water twice a day, in the morning and evening, and summer corrals are scraped two times per year. The AMMP project proposed for this dairy is construction of 1000 ft x 31.5 ft Compost bedded pack barn to shelter the cows and protect them from harsh environments. The installation of the solids separator will enable the DK dairy to save 10,697MT of CO2 in the next five years. In addition, the use of Compost bedded pack barn will enable the dairy to collect the solids, which can be utilized by applying to the fields and as a bedding for the compost bedded pack barn. The Water use in manure management will be saved by 60-75%. | San Joaquin | 10,697 | $ 748,198.50 | $ 326,521.00 | Conversion from Flush to Scrape, Open Solar Drying |
| 16 | Dragt Dairy Farms Solid Separation Project | The Dragt Dairy Farms DBA Milk Maid Dairy, located in Tulare County, proposes to improve the management of its dairy cow manure. The dairy currently collects manure by scraping corrals and flushing the feed lanes in the open lots. The manure collected by flushing receives no mechanical separation before long-term storage in uncovered anaerobic lagoons. The lagoon water is applied to the farm's crops. The proposed project will improve the dairy's manure management by installing a new mechanical solid-liquid separator to treat all liquid manure produced daily at the dairy. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, the dairy can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be composted and spread on the fields. Improvements from this project will have significant economic and environmental benefits for the dairy owner. | Tulare | 8,765 | $ 749,995.00 | $ 120,359.00 | Solid Separation, Solid Storage |
| 17 | Edwin Brasil Dairy - CSJ Dairy Separation Project | The proposed project is to replace the very old and inefficient separation system with a dual slope screen screw press separation system. With this project we will implement a 1.5 acre manure drying slab which will allow us to dry to material from the new separator system. Once manure is dried, manure will be used for bedding in the free stall barn as well as used as a soil amendment for our farm ground within the area. | Kings | 8,788 | $ 750,000.00 | $ 261,888.85 | Solid Separation, Composting |
| 18 | Endeavor Gold Dairy Enhanced Manure Management Project | The proposed project at Endeavor Gold Dairy is to add a sand lane, processing pit, sloped screen separator, hopper press and a manure stacking pad (125ft x 280ft). | Tulare | 8,368 | $ 688,851.23 | $ 45,646.25 | Solid Separation, Composting |

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| 19 | F and C Borba - Construction of Compost Bedded pack barn | The manure collection method currently utilized at this facility is flushing using pressurized water twice a day, in the morning and evening, and summer corrals are scraped two times per year. The AMMP project proposed for this dairy is construction of 500 ft x 31.5 ft Compost bedded pack barn to shelter the cows and protect them from harsh environments. The installation of the solids separator will enable the DK dairy to save 32,434 MT of CO2 in the next five years. In addition, the use of Compost bedded pack barnr will enable the dairy to collect the solids, which can be utilized by applying to the fields and as a bedding for the compost bedded pack barn. The Water use in manure management will reduce by 60-75%. | San Joaquin | 32,434 | $ 735,254.57 | $ - | Conversion from Flush to Scrape, Open Solar Drying |
| 20 | Fagundes Dairy Chowchilla | The proposed project is a conversion from an open, dry lot corral to a compost bedded pack barn. The designated open flush corral will be replaced with a compost bedded pack barn. The compost bedded pack barn will provide our herd with the ample space of at least 100 square feet per cow. | Madera | 2,055 | $ 750,000.00 | $ 645,700.00 | Compost Bedded Pack Barn |
| 21 | Fanelli Dairy - Fanelli Bros Mechanical Separator | Fanelli Dairy - Fanelli Bros proposes to install an Albers stationary screen mechanical separator to reduce solids from accumulating in their storage ponds and reducing greenhouse gases | Merced | 464 | $ 739,771.88 | $ - | Solid Separation, Composting |
| 22 | Fanelli Dairy Mechanical Separator improvements | Fanelli Dairy proposes to install an improved mechanical separation system to help remove solids from their storage ponds and reduce greenhouse gases | Merced | 4,961 | $ 750,000.00 | $ 4,304.00 | Solid Separation, Composting |
| 23 | Fernjo Farms #1 Solid Separation Project | Fernjo Farms #1, located in Tulare County, proposes to improve the management of its dairy cow manure. The dairy currently collects manure by flushing freestall barns, parlor, and feed lanes in the open lots. The manure collected by flushing receives no mechanical separation treatment before long-term storage in uncovered anaerobic lagoons. The lagoon water is applied to the farm's crops. The proposed project will improve the dairy's manure management by installing a new mechanical solid-liquid separator to treat all liquid manure produced daily at the dairy. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, the dairy can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be used as bedding or will be field applied. Improvements from this project will have significant economic and environmental benefits for the dairy owner. | Tulare | 9,987 | $ 749,995.00 | $ 129,033.00 | Solid Separation, Composting |
| 24 | Ferreira Dairy | Ferreira Dairy is proposing to construct 2 compost bedded pack barns to reduce manure methane emissions on their dairy. This project will also reduce diesel use and provide greenhouse gas emission reductions therefrom. | Humboldt | 376 | $ 701,317.50 | $ 7,500.00 | Compost Bedded Pack Barn |

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| 25 | Flatland Dairy Solid Separation Project | The Flatland Dairy, located in Kings County, proposes to improve the management of its dairy cow manure through this AMMP Project. The project will install a new mechanical solid-liquid separator to treat all liquid manure produced daily at the dairy. The dairy currently collects manure by flushing freestalls and the feed lanes in the open lots. The manure collected by flushing receives no mechanical separation treatment before long-term storage in uncovered anaerobic lagoons. The lagoon water is applied to the farm's crops. This project will reduce greenhouse gas emissions and lower environmental risks at the dairy. After a separator is installed to separate manure solids, the dairy can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon and those separated solids will be dried, and land applied. Additionally, treated water will be used for irrigation with lower environmental risks. These proposed improvements will have significant economic and environmental benefits for the dairy owner. | Kings | 7,861 | $ 749,995.00 | $ 293,830.00 | Solid Separation, Solid Storage |
| 26 | Frank Borges Dairy Compost Bedded Pack Barn | Frank Borges Dairy proposes to construct a Compost Bedded Pack Barn to reduce solids entering his flush lanes and accumulating in his storage ponds, with the added benefit of animal welfare and GHG reductions | San Joaquin | 300 | $ 738,250.00 | $ - | Compost Bedded Pack Barn |
| 27 | Frank Gwerder Dairy Inc. Mechanical Separator Project | Frank Gwerder Dairy, Inc. is proposing to install a mechanical separator through the AMMP Grant Program, as a means to reducing methane emissions on the dairy facility. The dairy is proposing to install a ValMetal dual screen separator, with a goal of removing 55% of the solids from the waste stream. A reception pit is also proposed as part of the project. | Stanislaus | 7,165 | $ 750,000.00 | $ 198,614.83 | Solid Separation, Composting |
| 28 | Fred. A Douma Dairy Manure Separation Project | The planned project revises the current manure management handling at Fred A Douma by further processing the effluent through an updated system for the collection and processing of fine manure solids. The system will be comprised of two stages: a mechanical sand separation stage, large fiber separation and drying. The collection system will be altered from the current system, all liquid will be collected in a new processing pit, which will also be used as the flush pit. Once the flush cycle is completed, the flush water collected in the pit will be sent through a Seditank AD 150 for the removal of sand and processed over 90135ss MK IV Separator Screens with 10 mesh (2mm). Each screen will discharge into a Model KP -16 screw press for further dewatering of the large fiber solids, which will be transported to a natural gas forced drying system to completely dry the manure for use in the freestall barn as bedding or go to be windrow composted for use as crop nutrients. | San Joaquin | 18,048 | $ 750,000.00 | $ 273,121.94 | Solid Separation, Composting |
| 29 | G & H Dairy Manure Management Project | The planned project at G & H Dairy is to revamp the current flush system to collect all flush water after exiting the freestall bans and housing units, and first process them through new cement gravity sand settling lanes that will replace the existing settling basins located outside the barns. After the sand settles, effluent will drain into trap pits and be pumped to a new receiving/ processing pit. From the processing pit, wastewater will then be processed through two DT360 rotary screen separators sequentially; the primary separator will have a 1/16 mesh screen for large organic particles, and the secondary will have a 30 mesh (.595mm) screen. After processing through the separator units, the effluent will be transferred to a clarifying tank with a new baffle to further settle out sediment, then be transferred to the flush tank for recycling into the flush cycle. | San Joaquin | 22,851 | $ 750,000.00 | $ 1,059,500.00 | Solid Separation, Composting |
| 30 | Ghidinelli Dairy | Ghidinelli Dairy proposes to implement a compost bedded pack barn to reduce manure methane emissions. | Humboldt | 317 | $ 395,049.04 | $ 444,580.00 | Compost Bedded Pack Barn |

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| 31 | GJC Dairy Compost Bedded Pack Barn | GJC Dairy is applying for an alternative manure treatment and storage practice which is the construction of a compost bedded pack barn measuring 96'W x 600'L. With the completion of the proposed barn the dairy plans to move milk cows from freestall housing into the bedded pack barn. | Stanislaus | 9,679 | $ 750,000.00 | $ 33,000.00 | Compost Bedded Pack Barn |
| 32 | Goncalves Dairy Mechanical Separators with Open Solar Drying | Goncalves Dairy proposes to install two Albers Primary Mechanical Separators with a 57,000 sq. ft. manure stacking pad for open solar drying of the separated manure. | Merced | 183 | $ 750,000.00 | $ 31,141.88 | Solid Separation, Open Solar Drying |
| 33 | Hoekstra Dairy Separator Project | The Hoekstra Dairy proposes to replace an existing poorly functioning mechanical manure separator with a new mechanical separator. | Stanislaus | 2,023 | $ 749,969.17 | $ 20,600.00 | Solid Separation, Solid Storage |
| 34 | Hofman Bros. L.P. Mechanical Separator Project | Hofman Bros, L.P. is proposing to install a mechanical separator through the AMMP Grant Program, as a means to reducing methane emissions on the dairy facility. The dairy is proposing to install a ValMetal dual screen separator, with a goal of removing 55% of of the solids from the waste stream. A manure stacking pad and modified collection pit are also proposed as part of the project. | San Joaquin | 11,012 | $ 750,000.00 | $ 31,161.57 | Solid Separation, Composting |
| 35 | J and A Dairy Manure Management Pack Barn and Separator | The proposed project at J & A Dairy is to convert half of the corrals North of the milking barn to a 300' by 100' single walk lane compost bedded pack barns to house milking Holsteins cows and dry Holsteins cows. Cows are projected to have 200 ft2 of pack space each, decreasing time on the flush lanes due to increased loafing on the pack. Manure in the flush lane will be scraped into the pack daily and rototilled in during the daily aeration till. The compost barn will be cleaned out twice per year, consisting with corral cleanout and compost removal. In addition to the proposed compost pack barn, J & A Dairy proposes installing a new solid separating system. The proposed project planned at J & A Dairy is to collect all manure from the flush lanes located on the dairy and process it through a sand settling lane, processing pit, dual slope screen separator, and screw press. The proposed solid separating management system will reduce the amount of manure going to the settling pond and anerobic conditions. | Kings | 2,910 | $ 750,000.00 | $ 330,534.65 | Compost Bedded Pack Barn |
| 36 | Joe Pinheiro Dairy | Joe Pinheiro Dairy proposes to replace existing houses for heifers with a compost bedded pack barn and concrete cow lanes to increase time spent on pasture for the lactating herd. | Sonoma | 1,412 | $ 745,950.00 | $ 3,600.00 | Compost Bedded Pack Barn |

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| 37 | Langworth Dairy Sloped Screen Separator System and Stacking Pad | A sloped, vibrating-screen manure separation system and stacking pad is proposed for this grant application. The installation of this system will provide several benefits: reduction of greenhouse gas emissions and odors, removal of excess nutrients from irrigation/application wastewater, and production of dry manure solids which can be readily composted, dried, exported or reused as bedding in animal housing. The concrete stacking pad will provide a nonpermeable area for solar drying and storing separated solids while diverting excess liquids to wastewater storage ponds. | Stanislaus | 2,161 | $ 743,630.59 | $ - | Solid Separation, Open Solar Drying |
| 38 | Lockwood III Dairy Separator Project | The Lockwood III Dairy proposes to install a new mechanical manure separator to remove manure solids from the flush water before it enters the storage pond and construct a compost bedded pack barn. | Stanislaus | 4,725 | $ 749,999.20 | $ 109,961.00 | Solid Separation, Solid Storage |
| 39 | Lopez Ranch Compost Bedded Pack Barn | Ocean View Beef LLC DBA Lopez Ranch proposes to build a new compost bedded pack barn to minimize the amount of manure stored in a slurry pit to reduce the manure methane emissions from our farm. | Del Norte | 735 | $ 750,000.00 | $ 391,116.00 | Compost Bedded Pack Barn |
| 40 | M S Monteiro & Sons Dairy Manure Management Project | The proposed project for M.S Monterio Dairy is to reconfigure the liquid waste handling system to capture manure and process it through a mechanical separation system. A revised drain system has been designed to collect flush water from all flush lanes, transfer via pipeline to a newly constructed octagon pit on the south end of the dairy. A 80'x250' stacking and drying slab will be located next to the 32' pit, to receive the separated manure and a new Valmetal dual sloped screen separator with conveyer stacking will be installed to process the collected wastewater. The effluent will be recycled into the flush pit and used for flushing, and then sent to the storage lagoon | Tulare | 11,936 | $ 750,000.00 | $ 168,179.23 | Solid Separation, Open Solar Drying |
| 41 | Machado Dairy Compost Bedded Pack Barn | Machado Dairy is applying for an alternative manure treatment and storage practice, which is the construction of a compost bedded pack barn that measures 700'L x 63'W. Once completed, the structure will house a portion of the herd's milk cows that are currently housed in a flush freestall environment. The project will reduce greenhouse gas emissions by reducing the amount of manure flushed into the wastewater storage lagoons. In addition, the bed pack consisting of manure and dry bedding will be rotated frequently to create a quality compost material. | Stanislaus | 7,868 | $ 750,000.00 | $ 27,912.00 | Compost Bedded Pack Barn |
| 42 | Maddox Dairy Solid Separation Project | The Maddox Dairy, located in Fresno County, proposes to improve its dairy manure management through installing two new mechanical separators. The dairy currently collects manure by flushing the parlor and the freestalls, housing all animals at the dairy. The manure collected by flushing receives no mechanical separation treatment with one 40-year-old inefficient separator before long-term storage in an uncovered anaerobic lagoon. The other four separators and settling basins are not operational. The lagoon water is applied to the farm's crops. The proposed project will improve the dairy's manure management by installing two new mechanical solid-liquid separators operating in stages to treat all liquid manure produced daily at the dairy. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, the dairy can prevent long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be composted and used as bedding or spread on the fields. Improvements from this project will have significant economic and environmental benefits for the dairy owner. | Fresno | 21,048 | $ 749,995.00 | $ 873,504.00 | Solid Separation, Composting |

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| 43 | Mancebo Holstein Dairy Solid Separation Project | The Mancebo Holstein Dairy LP, located in Tulare County, proposes to improve the management of its dairy cow manure through an AMMP Project. The dairy currently collects manure by scraping corrals and flushing the feed lanes in the open lots. The manure collected by flushing receives no mechanical separation treatment before long-term storage in uncovered anaerobic lagoons. The lagoon water is applied to the farm's crops. The proposed project will improve the dairy's manure management by installing a new mechanical solid-liquid separator to treat all liquid manure produced daily at the dairy. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, the dairy can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be composted and spread on the fields. Improvements from this project will have significant economic and environmental benefits for the dairy owner. | Tulare | 6,945 | $ 749,995.00 | $ 155,701.00 | Solid Separation, Solid Storage |
| 44 | McCall Dairy Pasture Improvement Project | This project proposes to improve pasture management and increase time spent on pasture. Manure will be pumped from Pond 2 twice weekly during grazing season using the new portable pump system into the reception pit adjacent to Pond 1. Then, manure will be pumped from the reception pit to the connected wastewater pipeline and fertigated through new irrigation reels. This increase in nutrients to the pasture forage is expected to allow a minimum of 4 additional weeks on pasture. | Marin County | 40 | $ 242,570.00 | $ - | Pasture-Based Management |
| 45 | McClelland's Dairy Flush-to-Scrape Conversion, Solid-Liquid Separation, and Composting Project | This project includes flush-to-scrape conversion, solid-liquid separation, and intensive composting in windrows to achieve the dairy's environmental and management goals. The project is designed to reduce greenhouse gas emissions and total volume of manure slurry by discontinuing the flush system, adding a solid-liquid separator, and composting solids to be used as soil amendment and bedding. This project builds on existing initiatives as part of a Carbon Farm Plan developed in 2018. This manure management project also dovetails with a planned 2025 solar installation that will offset the farm's energy use, including the newly electrified portions of the manure management system. | Sonoma | 23,820 | $ 750,000.00 | $ 282,784.96 | Solid Separation, Composting |
| 46 | Medeiros Dairy Inc Mechanical Separator project | Medeiros Dairy Inc. proposes to improve their current manure management practices by construction an AgPro mechanical separator to reduce solids from entering the waste stream conveyed to the storage ponds, with the added benefits of reducing greenhouse gases and improving facility aesthetics | Fresno | 9,470 | $ 750,000.00 | $ 114,475.76 | Solid Separation, Composting |
| 47 | Meikle Ranch Mechanical Separator Project | Meikle Ranch is proposing to install a mechanical separator through the AMMP Grant Program, as a means to reducing methane emissions on the dairy facility. The dairy is proposing to install a ValMetal dual screen separator, with a goal of removing 55% of the solids from the waste stream. A reception pit is also proposed as part of the project. | Stanislaus | 4,492 | $ 750,000.00 | $ 31,335.75 | Solid Separation, Composting |
| 48 | MTSJ Dairy - Solid Separation | MTSJ Dairy proposes to install two screen sloped mechanical solid-liquid separator system with solid storage space to successfully reduce greenhouse gas emissions. The operation currently uses a flush gravity-flow system where manure is collected in the pit/settling basin. With the proposed project, solids will be used for passive composting and cropland application. | Glenn | 6,844 | $ 750,000.00 | $ 151,045.00 | Solid Separation, Composting |

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|---|---|---|---|---|---|---|---|
| 49 | Nylund Dairy Farms Compost Bedded Pack Barn | Nylund Dairy Farms is proposing to construct a Compost Bedded Pack Barn as their alternative manure treatment and storage practice. The barn will measure 160'W x 500'L and will house dry cows and heifers that are currently housed in a flush freestall environment. The conversion from freestall housing to a compost bedded pack barn will lead to a decrease in the amount of manure flushed into the wastewater storage ponds and thus reducing greenhouse gas emissions. Manure and urine will be combined with dry bedding to create compost within the barn. | Merced | 2,138 | $ 750,000.00 | $ 226,326.00 | Compost Bedded Pack Barn |
| 50 | Outback Ranch LLC - DDW Dairy Manure Separation System | Conversion from a limited slope-screen separation system to a weeping wall solid separation system. | Tulare County | 15,208 | $ 750,000.00 | $ 1,813,192.00 | Solid Separation, Solid Storage |
| 51 | Pacific Sun Dairy Solid Separation Project | The Pacific Sun Dairy, located in Tulare County, proposes to improve the management of its dairy cow manure. The dairy currently collects manure by scraping corrals and flushing the feed lanes in the open lots. The manure collected by flushing receives no mechanical separation treatment before long-term storage in uncovered anaerobic lagoons. The lagoon water is applied to the farm's crops. The proposed project will improve the dairy's manure management by installing a mechanical solid-liquid separator to treat all liquid manure produced daily at the dairy. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, the dairy can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be spread on the fields. Improvements from this project will have significant economic and environmental benefits for the dairy owner. | Tulare | 6,510 | $ 749,995.00 | $ 400,919.00 | Solid Separation, Solid Storage |
| 52 | Rancho Teresita Dairy Proposed Maternity Barn | Compost-bedded pack barns for maternity bovine to reuse manure waste from facility in hopes of becoming more sustainable and minimizing environmental impacts associated with confined animal facilities. This project also increases animal care and comfort standards, which leads to safety for animals and employees. Data has proven that this project would reduce the amount of liquid manure and greenhouse gases, as well as health and safety risks associated with animal housing in traditional freestalls. The proposed project would utilize open corrals with shades. This project would reduce the current dust emissions. | Tulare | 73,180 | $ 750,000.00 | $ 1,000,000.00 | Compost Bedded Pack Barn |
| 53 | River Oak Dairy Mechanical Manure Separation Project | The planned project is to process all flushed manure through a Valmetal dual sloped screen separation system, and dewatered through a secondary auger press. Separated solids will then be stacked by a conveyer system, and effluent discharged to the lagoon system. To support the conversion of the facility from settling basins to mechanical separation, a 300' x 16' concrete sand settling lane will be constructed to the southwest of the facility, where the west open lot flush lane terminates. Flushed manure will be piped from the central and east drain systems to the south end of the flush lane and gravity drain northward on the sand settling lane. A 36' by 36' by 10' processing pit will be installed to receive the manure after processing over the concrete sand lane. | San Joaquin | 14,353 | $ 750,000.00 | $ 104,555.60 | Solid Separation, Open Solar Drying |
| 54 | Rodoni Dairy Farms LP Compost Bedded Pack Barn | Rodoni Dairy Farms LP proposes to construct a compost bedded pack barn over existing corrals that flush and house milk cows currently. The barn will house a portion of the herd's highest producing milk cows and will have 24 53" fans for animal comfort. Flushing lanes will no longer flush and will be dry scraped; manure scraped will be used for bedding and composting activities in the pack barn. | Merced | 9,906 | $ 750,000.00 | $ 146,135.00 | Compost Bedded Pack Barn |

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|---|---|---|---|---|---|---|---|
| 55 | Rui & Jennifer Brasil Dairy Compost Bedded Pack Barn | Rui & Jennifer Brasil propose to construct a compost bedded pack barn to house mature milk cows and help reduce greenhouse gases and improve animal welfare | Tulare | 3,293 | $ 750,000.00 | $ 145,372.00 | Compost Bedded Pack Barn |
| 56 | Silvas Holsteins Dairy #2 Mechanical Separator | Silvas Holsteins Dairy #2 proposes to install two Valmetal Curved & Sloped Screen Mechanical Separators to reduce Green House Gases. | Merced | 7,430 | $ 750,000.00 | $ 1,066,575.10 | Solid Separation, Composting |
| 57 | Silvas Holsteins Heifer Ranch Compost Bedded Pack Barn | Silvas Holsteins Heifer Ranch proposes to construct a compost bedded pack barn over existing corrals. Flushing lanes will no longer flush and will be dry scraped; manure scraped will be used for bedding and composting activities in the pack barn. | Stanislaus | 2,125 | $ 750,000.00 | $ 200,565.00 | Compost Bedded Pack Barn |
| 58 | Soares and Sons Dairy LP 4 Solid Separation Project | The Soares and Sons Dairy LP 4, located in Stanislaus County, proposes to improve the management of its dairy cow manure by installing a new mechanical solid-liquid separator to treat all liquid manure produced daily at the dairy. The dairy currently collects liquid manure by flushing the freestalls and the feed lanes in the open lots. The manure collected by flushing receives no mechanical separation treatment before long-term storage in uncovered anaerobic lagoons. The lagoon water is applied to the farm's crops. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, the dairy can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be used as bedding. Improvements from this project will have significant economic and environmental benefits for the dairy owner. | Stanislus | 7,667 | $ 749,995.00 | $ 363,213.00 | Solid Separation, Solid Storage |
| 59 | Soares Dairies LP Compost Bedded Pack Barn | Soares Dairies LP proposes to construct a compost bedded pack barn over existing corrals that flush and house milk cows currently. The barn will house a portion of the herd's highest producing milk cows. Flushing lanes will no longer flush and will be dry scraped; manure scraped will be used for bedding and composting activities in the pack barn | Stanislaus | 11,018 | $ 750,000.00 | $ 666,907.65 | Compost Bedded Pack Barn |
| 60 | Solo Dairy Solid Separation Project | The Solo Dairy, located in Kern County, proposes to improve the management of its dairy cow manure. The dairy currently collects manure by flushing freestalls and feed lanes in the open lots and scraping corrals. The manure collected by flushing goes through mechanical separation before long-term storage in uncovered anaerobic lagoons and the lagoon water is applied to the dairy's crops. The dairy's separators are old and unable to treat all the manure-water the dairy produces. The proposed project will improve the dairy's manure management by installing a new mechanical solid-liquid separator to treat all liquid manure produced daily at the dairy. The treated water will be used for irrigation with lower environmental risks. By effectively separating the solids, the dairy can prevent the long-term storage of volatile solids and nutrients in lagoons where anaerobic conditions generate methane and ammonia emissions. The project will significantly increase the volume of solids separated from the liquid stream before entering the lagoon. The separated solids will be composted, used as bedding, or spread on the fields. Improvements from this pr | Kern County | 19,768 | $ 749,995.00 | $ 1,017,037.00 | Solid Separation, Composting |

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|---|---|---|---|---|---|---|---|
| 61 | South Corner Dairy Compost Bedded Pack Barn | South Corner Dairy proposes to construct a compost bedded pack barn over existing corrals that flush and house milk cows currently. The barn will house a portion of the herd's highest producing milk cows. Flushing lanes will no longer flush and will be dry scraped; manure scraped will be used for bedding and composting activities in the pack barn. | Tulare | 3,332 | $ 750,000.00 | $ 336,014.31 | Compost Bedded Pack Barn |
| 62 | Sozinho Jerseys Mechanical Separator | Sozinho Jerseys proposed to construct and install a ValMetal Mechanical Separator. | Kings | 17,337 | $ 750,000.00 | $ 10,000.00 | Solid Separation, Composting |
| 63 | Temple Creek Dairy Mechanical Separator Project | Temple Creek Dairy is proposing to install a mechanical separator through the AMMP Grant Program as a means to reducing methane emissions on the dairy facility. The dairy is proposing to install three GEA 2 stage screen separators with roller presses. A sand lane, processing pit, flush pit and composting slab are also proposed as part of the project. | San Joaquin | 20,630 | $ 749,469.66 | $ 1,222,477.44 | Solid Separation, Composting |
| 64 | Travis Moreda Dairy | Travis Moreda Dairy proposes to incorporate a new screw press solid separator to remove solids from his manure pond. The separated solids will then be solar dried on a new concrete pad. Cow lanes will be concreted to improve scraping of solids. | Sonoma | 960 | $ 746,885.00 | $ 144,542.75 | Solid Separation, Open Solar Drying |
| 65 | Twin Star Dairy Compost Bedded Pack Barn | Twin Star Dairy proposes to construct a compost bedded pack barn with dry scrape conversion | Merced | 18,045 | $ 749,490.00 | $ - | Compost Bedded Pack Barn |
| 66 | Van Der Hoek Dairy Mechanical Separator Project | Van Der Hoek Dairy is proposing to install a mechanical separator through the AMMP Grant Program, as a means to reducing methane emissions on the dairy facility. The dairy is proposing to install a ValMetal dual screen separator, with a goal of removing 55% of the solids from the waste stream. An improved reception pit is also proposed as part of the project. | Stanislaus | 8,843 | $ 750,000.00 | $ 40,235.88 | Solid Separation, Composting |

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|---|---|---|---|---|---|---|---|
| 67 | Van Foeken Dairy #1 Compost Bedded Pack Barns | Van Foeken Dairy #1 proposes two compost bedded pack barns with dry scrape conversion to reduce greenhouse gases and improve animal housing | Merced | 2,662 | $ 750,000.00 | $ 24,620.00 | Compost Bedded Pack Barn |
| 68 | Vitorino Dairy Screw Press and Compost Pack Barn | Vitorino Dairy is planning to install a compost-bedded pack barn and separate manure solids with a screw press. Installing a compost bedded pack barn and screw press will reduce the amount of manure going to the settling pond and anaerobic conditions to achieve both air and water quality benefits. | Stanislaus | 610 | $ 750,000.00 | $ 478,449.20 | Compost Bedded Pack Barn |
| 69 | Wilson's Ranch | With this project, we would like to install a sloped screen separator system by Valmetal-Tulare Inc and adjacent concrete pad for drying and storage of separated manure solids. This system will help in the reduction of greenhouse gases and odor, it will remove excess nutrients from irrigation water and aid in the production of dry manure and compost that can be spread as fertilizer in other farming operations or used as bedding for cows. | Stanislaus | 4,368 | $ 705,154.00 | $ 44,846.00 | Solid Separation, Composting |
| 70 | Wyeth Dairy Mechanical Separator Project | Wyeth Dairy, Inc. is proposing to install a mechanical separator through the AMMP Grant Program, as a means to reducing methane emissions on the dairy facility. The dairy is proposing to install a ValMetal dual screen separator, with a goal of removing 55% of the solids from the waste stream. A manure stacking pad and collection pit are also proposed as part of the project. | Stanislaus | 5,911 | $ 711,404.61 | $ 6,500.00 | Solid Separation, Composting |
| | | | **Total** | 617,960 | $ 50,772,550 | $ 21,467,275 | |