



2022 Scoping Plan Update

Short-Lived Climate Pollutants (SLCP) Public Workshop

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**CLIMATE SMART
AGRICULTURE INCENTIVE
PROGRAMS**



**DEMONSTRATION
PROJECTS**

**INFORMATION
SHARING**



RESEARCH



OFFICE OF ENVIRONMENTAL FARMING & INNOVATION

The mission of the Office of Environmental Farming & Innovation is to serve California by supporting agricultural production and incentivizing practices resulting in a net benefit for the environment through innovation, efficient management and science.

Vision Statement

To be a trusted and valued resource for scientific analysis and support to stakeholders and state agencies in the development and implementation of economically viable agricultural practices that optimize environmental and public health.



Dairy Digester Research & Development Program (DDRDP)



The Healthy Soils Program (HSP)



State Water Efficiency Enhancement Program (SWEEP)



Office of Pesticide Consultation and Analysis (OPCA)



Alternative Manure Management Program (AMMP)



Research



International Collaborations



Technical Assistance



Biodiversity



Conservation Agriculture Planning Grants Program



Environmental Farming Act

CDFA's Incentive Programs are implemented under the authority of the Environmental Farming Act [\[PDF\]](#). Incentive Programs are developed in coordination with the Science Advisory Panel which facilitates public comment process. Learn more about the Science Advisory Panel.



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NRCS-California
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NRCS Announces EQIP-CIC Deadline Extension
Applications now due July 14, 2021



Natural Resources Conservation Service

News Release

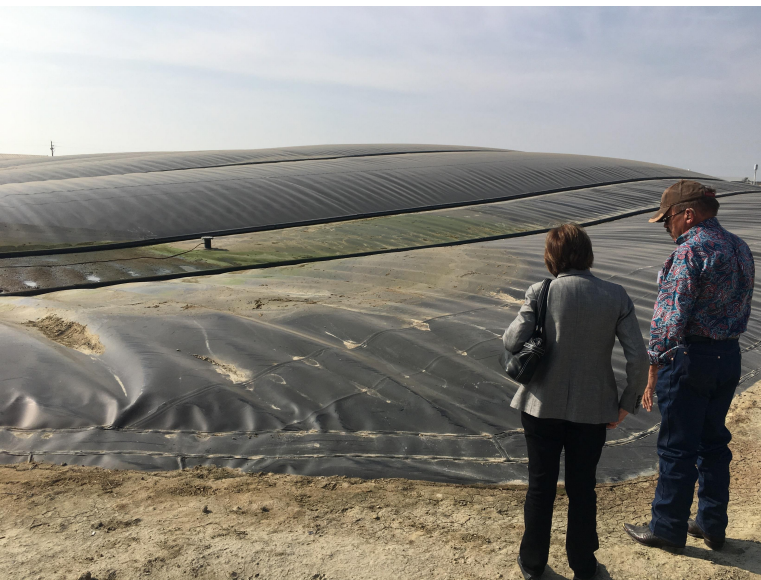
430 G St., Davis, CA 95615 • Phone: 530.702.5600 • Fax: 530.702.5790 • www.nrcs.usda.gov
"Helping People Help the Land"

Contact: Dave Sanders (530) 691-5847

NRCS Announces EQIP-CIC Deadline Extension
Applications now due July 14, 2021

DAVIS, Calif., July 9, 2021 – The U.S. Department of Agriculture's Natural Resources

Financial assistance for the installation of dairy digesters in California to reduce methane greenhouse gas emissions



First CSA program to focus on methane reduction (2015 to present)
\$2-3 million grants – must have matching funds of at least 50%
Total \$ awarded = 196 million
Total \$ matching funds = 400 million
118 number of projects funded
Total GHG reductions annually = 2.1 million MTCO_{2e}
10-year life of practice
Oversubscription rate = 245%
Gas used for both renewable electricity and renewable natural gas
Co-benefits and environmental protections



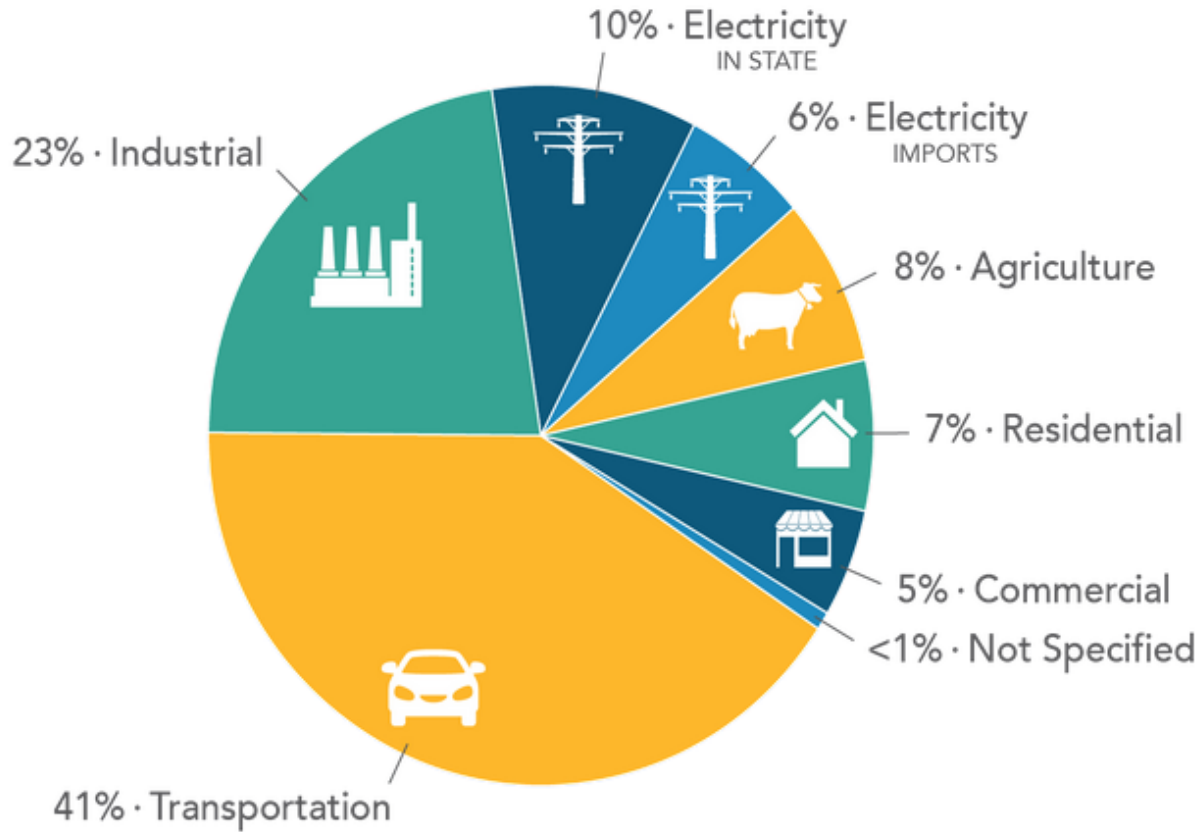


alternative manure management practices





116 projects funded
Total GHG reductions annually = 221,700 MTCO₂e
\$750,000 grants – matching funds recommended but not required
Total \$ awarded = \$68.3 million
Matching funds = \$10.4 million
Oversubscription rate = 317%

AMMP provides financial assistance for the implementation of non-digester manure management practices in California to reduce methane greenhouse gases



429.4 MMTCO₂e
2016 TOTAL CA EMISSIONS

- ## GHG reduction goals
- SB 1383: 40% reduction below 2013 levels by 2030
 - Executive Order B-55-18: Carbon neutrality by 2045
 - Gov. Newsom's request to evaluate pathways for carbon neutrality by 2035

<p>50% RENEWABLE ELECTRICITY</p> 	<p>DOUBLE ENERGY EFFICIENCY SAVINGS AT EXISTING BUILDINGS</p> 	<p>REDUCED SHORT-LIVED CLIMATE POLLUTANTS</p> 	<p>CARBON STORAGE IN THE LAND BASE</p> 	<p>SAFEGUARD CALIFORNIA</p> 	<p>SAFEGUARD CALIFORNIA</p> 
	<p>50% REDUCTION IN PETROLEUM USE IN VEHICLES</p>				

CHALLENGE

- Covid-19 delays
- Permitting and interconnect delays
- Increased cost of supplies
- Milk prices
- Liquidation deadlines associated with funding
- Annual funding can be challenging for long term certainty
- What about the other 2%? Enteric
- Quantification of co-benefits (e.g., odor and PM reductions)
- Plug and play nitrogen capture technologies
- Manure based products
- Need for improved quantification methodologies (AMMP)
- Need to show further the economic benefits

THANK YOU FOR THE INVITATION



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