



# CDFA DAIRY DIGESTER RESEARCH AND DEVELOPMENT PROGRAM



*The Dairy Digester Research and Development Program is administered by the Office of Environmental Farming & Innovation, a division of the California Department of Food and Agriculture*

## What is the Dairy Digester Research and Development Program?

California Department of Food and Agriculture's Dairy Digester Research and Development Program (DDRDP) awards competitive grants to California dairy operations and digester developers for the implementation of dairy digesters that result in methane emission reductions on California dairies and minimize or mitigate adverse environmental impacts.

## What funding is available?

Availability of DDRDP funding has depended on one-time appropriations from the State Budget (General Fund and/or Greenhouse Gas Reduction Fund). Most recently, CDFA received \$48 million for Livestock Methane Reduction in the Budget Act of 2022 (SB 154, Chapter 43) to support the two grant solicitation in 2023 and 2024. To check if funding is available, please visit the program website and/or subscribe for email notifications.

## Program Requirements:

The DDRDP support the implementation of anaerobic dairy digesters on California dairy operations that result in permanent, annual, and measurable GHG emission reductions. These digesters harness the natural process of decomposition of dairy manure to produce methane-rich biogas, which is captured to generate electricity, hydrogen production, or Renewable Natural Gas (RNG), which can be used as transportation fuel or directly injected into pipelines.

## How to apply:

During an open grant solicitation, applicants complete an online application that will includes details about the scope, budget, and estimated GHG reductions of a proposed project. Information on applicant eligibility, program requirements, application sections and how to apply can be found in the Request for Applications on the program webpage.



Scan the QR Code to learn about  
DDRDP and the Office of  
Environmental Farming &  
Innovation



# DDRDP TESTIMONIAL



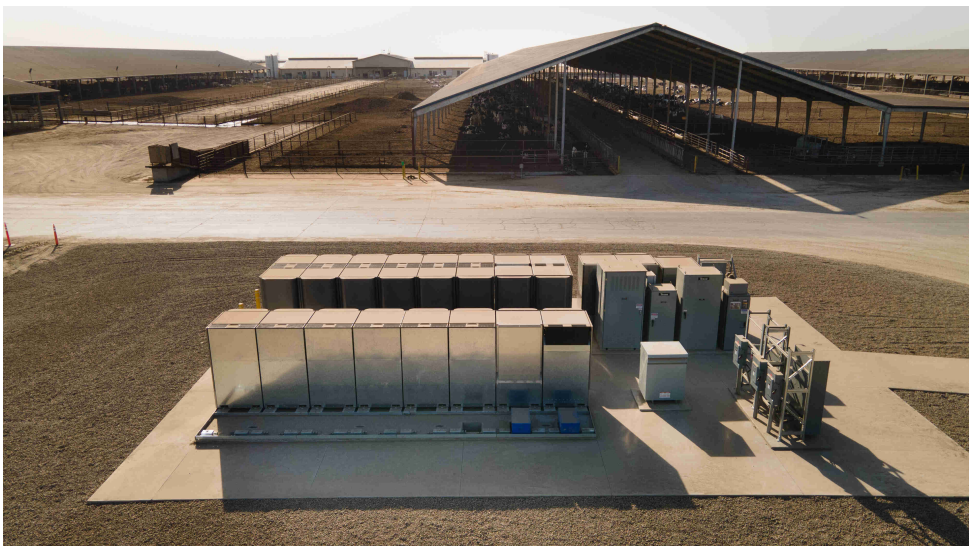
## Recipient Testimonials:

"This project has helped the Bar 20 Dairy achieve several benefits including the methane emissions reductions, electricity production using the fuel cell technology, digestate as a liquid fertilizer using real-time drip irrigation system, reduction of commercial fertilizer usage, and reduction of flushed water from dairies into lagoons."

- California Bioenergy

"Digesters are a great solution to address climate issues in California. This project would not have been possible without the DDRDP grant. The dairy is now working with H2B2 to provide additional dairy biogas to produce renewable electricity that is used in the production of hydrogen transportation fuel."

- Steve Shehadey, Owner of Bar 20 Dairy



Pictured above: Bar 20 Dairy fuel cells and dairy digester funded through DDRDP

## PROGRAM BENEFITS

DDRDP projects have many potential co-benefits outside of reducing greenhouse gases (GHG) emissions including:

- Generation of renewable energy, electricity and hydrogen
- Reduce odor, pathogens, and flies
- Decrease water pollution by enduring the double lined lagoons, or above-ground tanks
- Decrease air pollution by reducing the criteria pollutants
- Generation of jobs for local communities
- Provide additional revenue through production of by-products
- Improved nutrient management and manure recycling as bedding or fertilizer