



The Office of
**Agricultural Resilience
& SUSTAINABILITY**

Dairy Digester Research and Development Program

Dairy digesters play a crucial role in reducing greenhouse gas (GHG) emissions, particularly methane, which is produced during manure decomposition. By capturing methane and converting it into renewable energy, dairy digesters significantly lower the environmental footprint of dairy operations.



CDFA's Dairy Digester Research and Development Program (DDRDP) is designed to provide financial assistance for the implementation of anaerobic digesters in California's dairy operations. Digesters harness the natural breakdown of dairy manure to generate renewable energy, in the form of electricity, renewable natural gas (RNG), and hydrogen. DDRDP helps reduce GHG emissions, particularly methane, and contribute to a sustainable agricultural system.

By encouraging the implementation of dairy digesters, DDRDP enables dairy farmers to transform manure into valuable renewable resource while contributing to the circular economy and environmental stewardship. This technology also offers social benefits, including local job creation and enhanced farm profitability, by providing dairy operations with an additional revenue stream through energy production.

DDRDP BY THE NUMBERS



24.8 million metric tons

of CO₂ equivalent
(MTCO₂e) will be reduced
over 10 years...



...equivalent to removing
5,700,000
cars off the road for one year

"CDFA's partnership with us and our neighbors helped us take the financial leap and their program has proven to be one of the most effective at enhancing the environmental sustainability of the California dairy industry in recent years."

- Simon Vander Woude, Owner,
Vander Woude Dairy (Merced,
CA)

MORE INFO

www.cdfa.ca.gov/OARS

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Environmental Benefits



Renewable Energy
Generation



Improves Air Quality



Reduces
Greenhouse Gas
Emissions



Protects Water
Quality



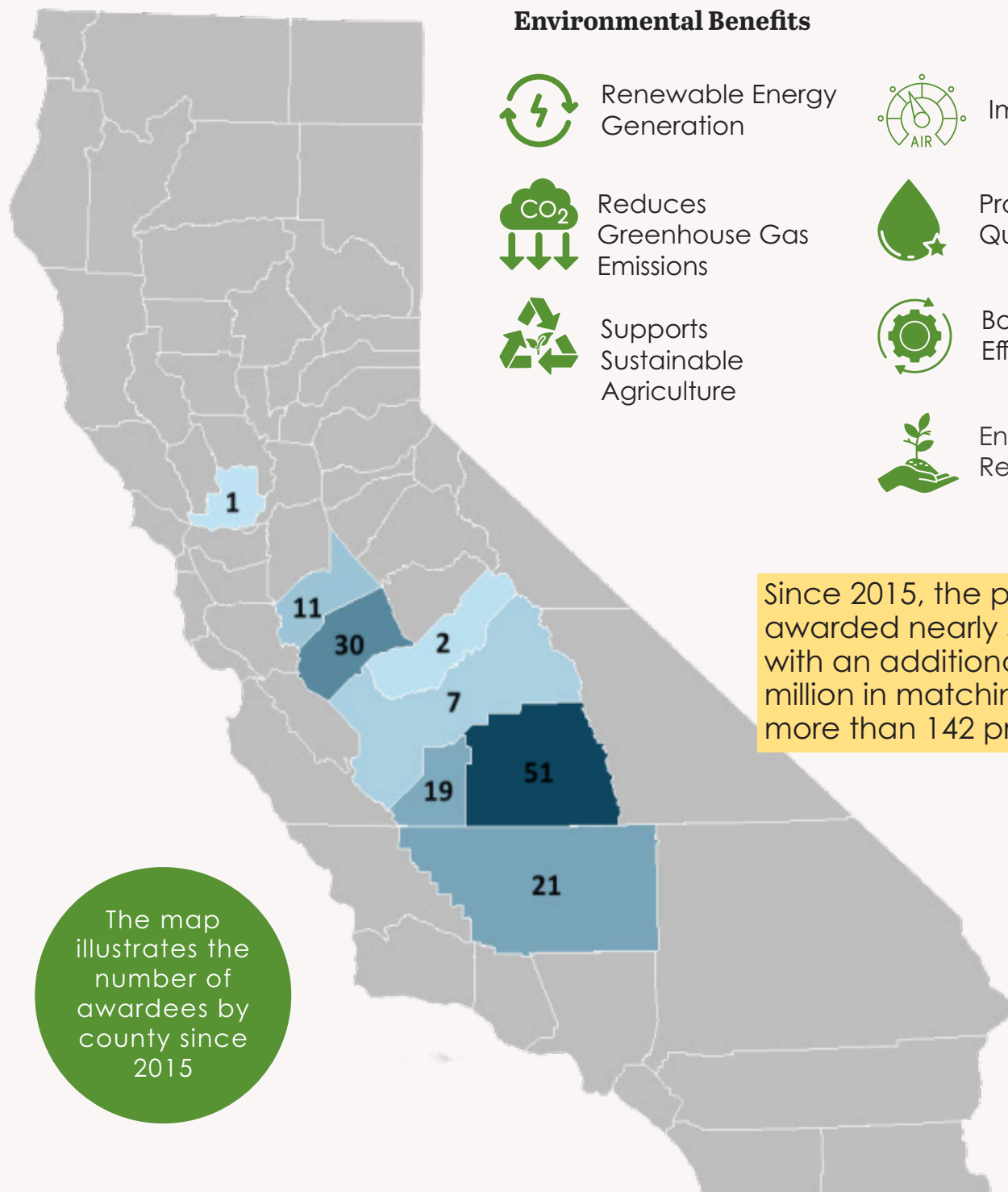
Supports
Sustainable
Agriculture



Boosts Farm
Efficiency



Enhances Nutrient
Recycling



The map
illustrates the
number of
awardees by
county since
2015

Since 2015, the programs has awarded nearly \$229 million, with an additional \$521 million in matching funds to more than 142 projects.

Funding Distribution Process/Equity

CDFA awards DDRDP grants through a competitive solicitation open to all dairy producers. CDFA strives to maximize greenhouse gas reductions while providing grants to dairies that represent a diversity of sizes and production strategies.

MORE INFO

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