# Planet-Smart Dairy



## 1,000 family dairies lost

Direct regulation is counterproductive.

## Who supports current incentive-based approach?

All 8 San Joaquin Valley counties on record. Read the resolutions & letters at climatesmartagca.com/community



Key San Joaquin Valley and state legislators.



Chair Liane Randolph Galifornia Air Resources Bor 1001 I Street Sacramento, CA 95814

E: Petition for Direct Regulation

Climate cicentists agree that reducing mediance ensistens in the most important short-term effort to iming boldwarming With the paragos of 288 1380 (dua) mil 2016, Califerrish in that have propertiant steps to significandly reduce methane and other short-word elimate pollatance (SLCN) in California, a part or of the stark's comprehensive climate policies. Climate-source marginolizard practices, including dary methane reduction, are part of the solution. We usey yoo to continue the incentive-based approach carrently hinging usecusfully employed by the California Ale Resources Dand.

Since SH 139X) protog, the durin framinies throughout Gildonia have been parametery with Gildonia's Deparameter of Iood and Agricenture (102) and the Gildonia Karbavente Markowster Bouel (ARB) with Alexanize's Manno Mangoune Program (Alba) and the DairD Spear Research and Alba Albavenia's Manno Mangoune Program (Alba) and the DairD Spear Research and distant investments. The DDBDP program provides 22% of the stud's variable that reserving 11-10 and 22% of the study of the Spear Program distant investments. The DDBDP program provides 22% of the stud's varial GiB's inclusions, while neuroing 11-17% of the proceeds from the Constructions and Bartonia Fills and constructions and Dail and have been invested, hereaging more than 5100 million from the state. According us in Lenether 2012 CU Davin roy reset:

"Our analysis shows that continued implementation and commitment to the incentive-based climate smart solutions that are currently driving voluntary dury methane reductions in Galfornia should, by 2009, achieve the full 40 percent reduction in duity methane sought by the state regulators without the need for direct regulation."

According to CAR8, the DDRDP is the state's most cost-effective program, providing one to of CO2e-equivale eductions for each 59 invested by the state

### Nearly 7-in-10 voters support climate incentives to California dairy farms, specifically.

Thinking specifically about these climate incentives to the dairy farms, do you support or oppose them?

	Strongly	Somewhat
Total Support: 69%	<b>42</b> %	27%

	Democrats	Republicans	NPP/Other
Total Support	80%	43%	73%
Total Oppose	13%	46%	18%

## Policies to create alternatives to or eliminate climate incentives to dairy farms meet with broad and strong opposition.

Do you support or oppose these proposals related to dairy farming and climate issues?

Having government directly limit meat and dairy consumption

Placing a new tax on dairy products...to pay for reduced greenhouse gas emissions

Have the gov't directly regulate dairy farms and eliminate incentives to reduce...

Strictly limiting the number of dairy cows that farmers can milk to reduce...

Limiting the expansion of dairy farms to limit greenhouse gas emissions

Strongly Support	Somev Supp		mewhat Oppose		Strongly Oppose	
7%	10%	15%		64%		
8%	14%		17%		57%	
11%	16%	⁄₀	1	8%	47%	
11%	18	%		19%	44%	
159	%	19%		19%	39%	



## Largest Groundwater Monitoring Network

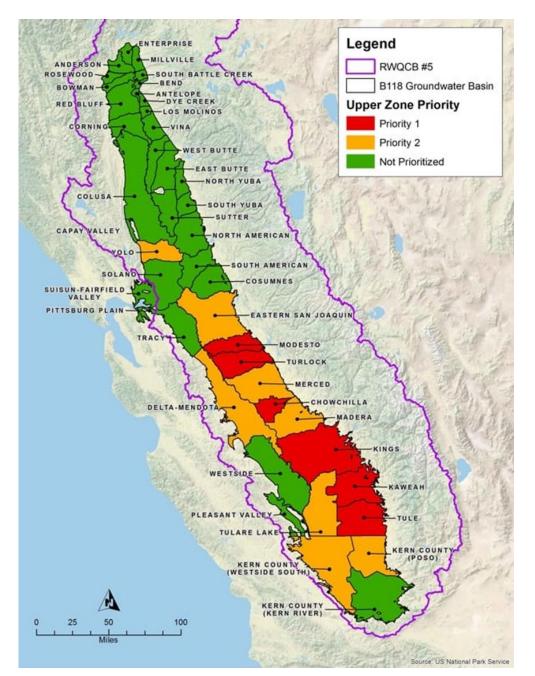
- 440 wells
- More than 44,000 samples so far



## Nitrate Management Zones

- Free well testing
- Free replacement drinking water
- Six community botting filling kiosks





# BAR 20 \* DAIRY

**2023 Innovative Dairy Farm of the Year** – International Dairy Foods Association

**2022 Outstanding Dairy Farm Sustainability** – Innovation Center for U.S. Dairy











## Bloomenergy®















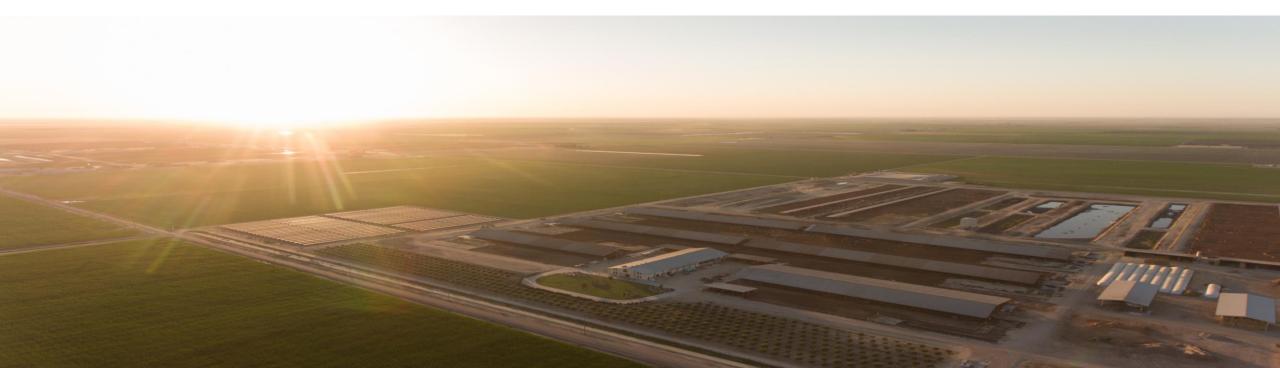








# Reducing methane emissions while improving water quality outcomes





California dairy sector provides 180,000 jobs



### San Joaquin Valley Air Pollution Control District Electrified Dairy Feed Mixing Program

- 17 projects have been implemented on CA dairies
- Total annual emission reduction of 164 tons
- Equivalent to removing 1,000 heavy-duty trucks from the road
- Four more projects are under construction, and 11 more applications are under review.





### **Dairy Nourishes Lives**

### **Critical Source of Nutrition**

#### 13 essential nutrients

Calcium lodine Riboflavin Vitamin B12 Pantothenic Acid Protein Potassium\* Vitamin D Phosphorous Vitamin A Niacin Selenium Zinc

#### 9 essential nutrients

Calcium Protein Phosphorus Vitamin B12 Riboflavin Pantothenic acid Zinc Selenium Iodine

#### 8 essential nutrients



### Feeding Local Families in Need

- One in 5 Californians have uncertain or inconsistent access to food.
- In 2023, California dairy organizations collectively donated more than 3.6 million pounds of dairy products to local food banks.

Percent of total population in poverty, 2021:

"Milk is central to many Californians — and it's one of the most coveted items sought by food bank visitors. California dairy families' partnership and contributions help source nutritious milk and dairy foods for families facing food insecurity throughout the state. We are grateful to California dairy farmers and the California Milk Advisory Board for their commitment to providing more dairy to those who need it most."

- Stacia Levenfeld, CEO,

**California Association of Food Banks** 



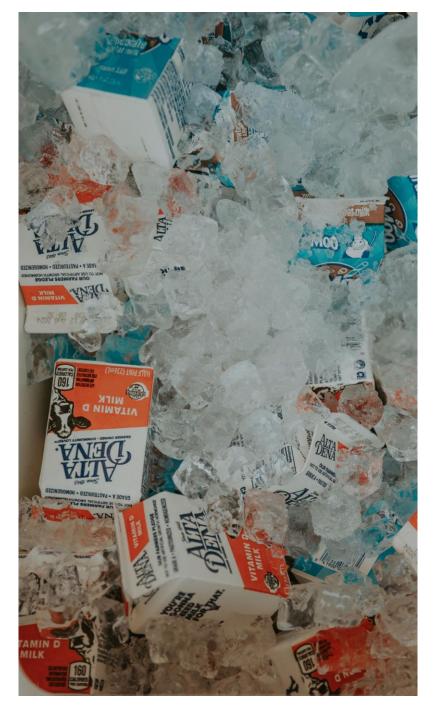
### Dairy Helps Nourish Communities by...



- Pilot projects delivering product and refrigeration resources to food banks
- Partnership with Raley's Food for Families program
- First 1,000 Days initiative- improving food access for families with young children
- Let's Eat Healthy initiative- empowering students and communities through nutrition education









## DAIRY CARES

### **PLANET-SMART DAIRY**

Michael Boccadoro Executive Director Dairy Cares

# Factory Farms

# Mega Dairies

# Industrial Dairies

Factory Farm Gas

"These projects are estimated to achieve 2.45 MMTCO2e in annual methane emission reductions at a cost of approximately \$29 per MTCO2e, with approximately \$9 representing state investment. Importantly, 67% of project funds provide jobs, economic environmental, and financial benefits to priority populations."

- CARB and CDFA Petition Response May 30, 2024 "[Dairy digester] project co-benefits may include nuisance

reduction (odor, flies, pathogens, weed seed), fossil fuel reduction or replacement, energy and fuel cost savings, renewable fuel and energy generation, compost production, fertilizer reductions, direction of biomethane to hard-to-decarbonize sectors, and local and remote criteria pollutant reductions. The DDRDP program also promotes surface and groundwater quality protection by requiring digester designs that meet the most stringent water quality protection requirements."

 CARB and CDFA Petition Response May 30, 2024

### More than 400 Dairy Methane Reduction Projects Deployed



### **Dairy Digesters**



Reducing +24.56 Million MTCO2e over 10 years

140 Projects Funded by the DDRDP

238 Total CA digesters capturing methane from 259 farms

#### Alternative Manure Management



Reducing +4 Million MTCO2e over 10 years

#### 220 Projects

(168 projects funded by the AMMP, 12 Dairy Plus-funded + 40 privatelyfunded projects)

