

# Planet-Smart Dairy



California Dairy Farm Families - Leading the world



# Climate-Smart Dairy

- California leading the world in dairy methane reduction
- Just 4% of state's total emissions
- 60% reduction in GHG per gallon of milk produced
- More milk, fewer cows, fewer resources = greatly reduced emissions
- Working closely with state on further methane reductions

# Barn to Biogas

## Major Momentum

- Major investment by state and dairy farm families
- 250 new methane reduction projects on California's 1,300+ dairies
  - 120 digesters by 2022
  - 130 alternative projects by 2020
- More than 50 MMTCO<sub>2</sub>e over next 20 years
- Digester Program among most effective in total GHG reduction and third most cost-effective climate investment by state -\$8/ton
- Major source of carbon negative transportation fuel



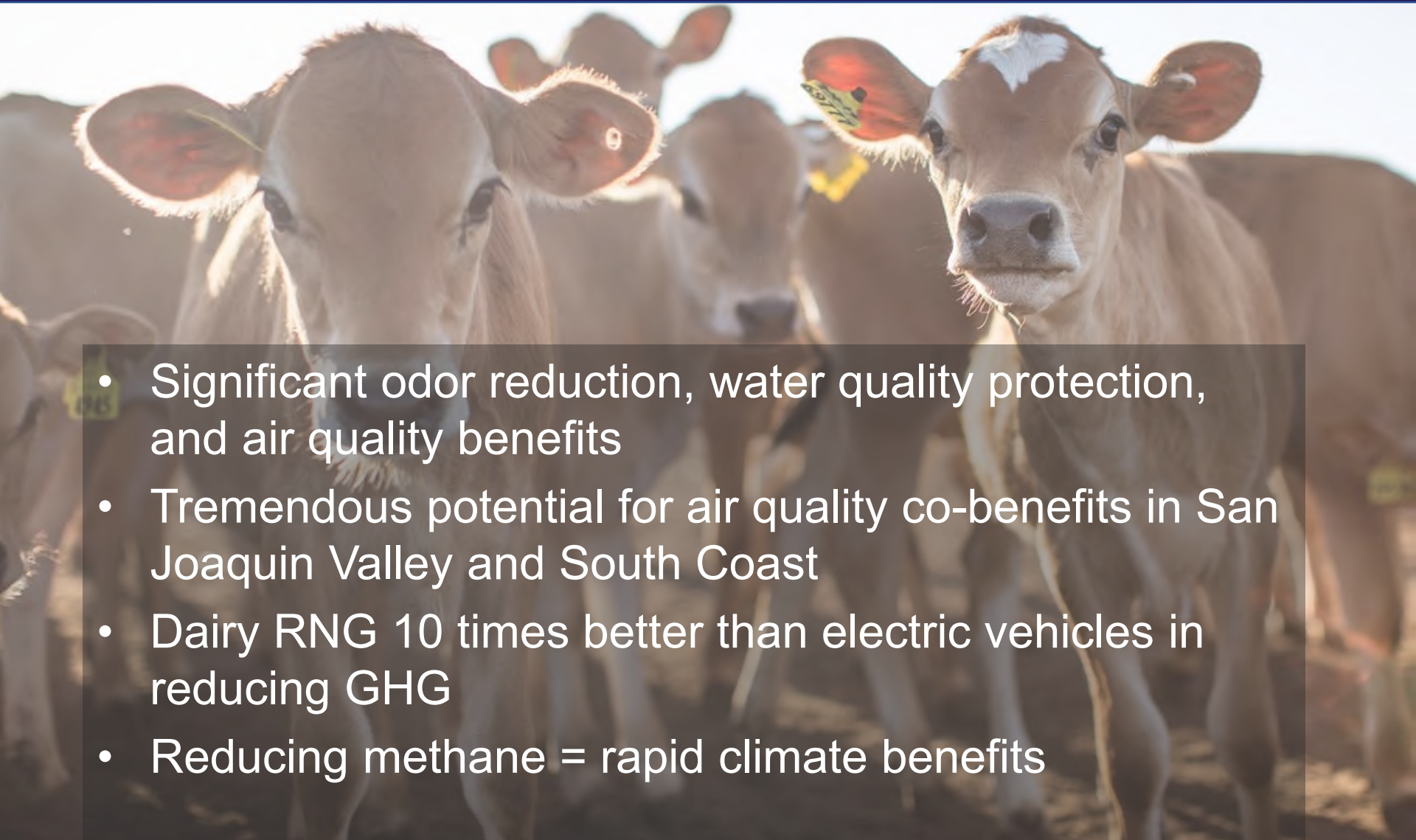
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## Community Engagement and Benefits

- All digester projects conduct community outreach and engagement
- All project impacts and benefits reviewed
- Projects also required to provide impact mitigation
- Engagement includes outreach to community and EJ organizations and other local NGOs
- Partnering with local community groups, colleges, and universities to provide funding, education, and internships for DACs

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## Environmental Performance

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- Significant odor reduction, water quality protection, and air quality benefits
  - Tremendous potential for air quality co-benefits in San Joaquin Valley and South Coast
  - Dairy RNG 10 times better than electric vehicles in reducing GHG
  - Reducing methane = rapid climate benefits