Planet-Smart Dairy
Collaborative, Incentive-Based Approach

40% reduction

Regulation “if needed” only after 2024

Initial Focus on Manure Methane

Emerging Focus on Enteric

Pictured Left to Right:
Dairy Farmer, Eric Te Velde
CDFA Secretary, Karen Ross
Senate Bill 1383 Author Ricardo Lara
California’s comprehensive approach to methane reduction

- Efficiency & Attrition
- Methane Avoidance (Alternative Manure Management)
- Methane Capture & Utilization (Digesters)
- Enteric Methane Reduction
- Research & Innovation
California’s World-Leading Dairy Methane Reduction Efforts

**Dairy Digesters**
- Reducing +24.56 Million MTCO2e over 10 years
- 140 Projects
  (Projects funded by the Dairy Digester Research and Development Program)

**Alternative Manure Management**
- Reducing +2.66 Million MTCO2e over 10 years
- 216 Projects
  (170 projects funded by the Alternative Manure Management Program, 15 Dairy Plus-funded + additional projects)
Tremendous Investment

Collectively Exceeding $2 Billion
Multiple Policies Supporting Methane Reduction
Overall Goal: Profitable Revenue Stream

- Grant Funding
  - State and Federal

- Procurement/Program Support
  - Markets for captured methane reduction credits

- Dairy Farm/Supply Chain/Private Investment
  - Global food companies
ADAPTING WITH CALIFORNIA’S TRANSPORTATION EVOLUTION

COWS POWERING HEAVY-DUTY TRUCKS

COWS POWERING CARS

COWS CREATING HYDROGEN
Lessons Learned

1. Voluntary, incentive-based approach works
2. Financial incentives and stable markets necessary
3. Dairy methane reduction efforts evolving with state goals
4. Projects provide tremendous environmental co-benefits
Thank you!

Michael Boccadoro
mboccadoro@westcoastadvisors.com

PLANET-SMART DAIRY

DairyCares.com