

Workshop Methane, Dairies and Livestock, and Renewable Natural Gas in California Tuesday, March 29, 2022

Agenda

Pacific Time ¹	Торіс
9:00–9:15 am	Session 1: Statutory Requirements for Dairy Methane Emissions Reductions
	CARB Staff
9:15–10:20 am	Session 2: Overview of Dairies in California
	Dairy farm and dairy product trends in the United States and Calif. William Hohenstein, Director, Office of Energy and Environmental Policy, Office of the Chief Economist, U.S. Department of Agriculture
	Dairy operations and manure management in California Amrith Gunasekara, Science Advisor to the Secretary, California Department of Food & Agriculture
	Environmental impacts of dairies Deanne Meyer, Ph.D., Livestock Waste Management Specialist, University of California Davis
	Environmental regulation on dairies Ramon Norman, Senior Air Quality Engineer, San Joaquin Valley Air Pollution Control District
	Patrick Pulupa, Executive Officer, Central Valley Regional Water Quality Control Board Region 5
	Michael Washam, Assistant Director, Economic Development & Planning Resource Management Agency, Tulare County
10:20–10:45 am	Session 3: Community Perspectives on Dairies
10:45–11:10 am	Session 4: Perspectives on the Future of Dairies in California
	Phoebe Seaton, Co-Founder and Co-Executive Director, Leadership Counsel for Justice & Accountability
	Paul Sousa, Director of Regulatory and Environmental Affairs, Western United Dairies
11:10–11:55 am	Session 5: Overview of Dairy Methane Emissions Reduction Technologies
	Enteric methane emissions reduction strategies Alexander N. Hristov, Ph.D., P.A.S., Distinguished Professor of Dairy Nutrition, Department of Animal Science, Pennsylvania State University
	Manure management methane emissions reduction strategies Mark Stoermann, Chief Operating Officer, Newtrient LLC
	Research efforts on dairy methane mitigation approaches CARB staff
	Compost application and pasture-based strategies Jeanne Merrill, Policy Director, California Climate and Agriculture Network
	Dairy and livestock product alternatives Sabina Vyas, Senior Director, Impact Strategies, Plant Based Foods Association

¹ All times except for the 9 am start time are approximate. We will do our best to keep on schedule, but deviation from these times may occur.

Pacific Time ¹	Торіс
11:55 am–12:25	Public Comment Period
pm 12:25–1:00 pm	Lunch
1:00–1:50 pm	Session 6: Dairy Digester Development and Installation
	Anaerobic digester basics Nick Elger, Program Manager, AgSTAR and Global Methane Initiative, U.S. Environmental Protection Agency
	Overview digester operatione at California dairy farms Neil Black, President, California Bioenergy LLC
	Overview of environmental protections for California digesters David De Groot, Civil Engineer, 4Creeks, Inc.
	Are the environmental protections for digesters enough? Brent Newell, Law Offices of Brent J. Newell
1:50–2:35 pm	Session 7: Dairy Methane Mitigation Funding and Economics
	Funding of dairy methane mitigation projects Sam Wade, Director of Public Policy, Coalition for Renewable Natural Gas
	"What's Worth More: A Cow's Milk or its Poop?" Aaron Smith, DeLoach Professor of Agricultural and Resource Economics, University of California Davis
	Perspectives on dairy management decisions Joey Airoso, Airoso Dairy Diana Giacomini Hagan, Giacomini Dairy
2:35–3:15 pm	Session 8: Dairy and Livestock Greenhouse Gas Emissions Working Group and Subgroups Overview of Dairy and Livestock Workgroup and subgroups goals and process CARB staff
	Subgroup Findings:
	Fostering Markets for Non-Digester Projects J.P. Cativiela, Regulatory Affairs Director, Dairy Cares
	Fostering Markets for Digester Projects Michael Boccadoro, Executive Director, Dairy Cares
	Research Needs, Including Enteric Fermentation Mike FitzGibbon, Air Resources Supervisor II, Research Division, CARB
3:15–3:35 pm	Session 9: Overview of Low Carbon Fuel Standard Program and Dairy Pathways CARB staff
3:35–4:00 pm	Session 10: Analysis of Progress toward Achieving the 2030 Dairy and Livestock Sector Methane Emissions Target CARB staff
4:00–4:25 pm	Session 11: Considerations for Methane Emissions Reduction Incentives and Regulation Michael Boccadoro, Executive Director, Dairy Cares J Jordan, Policy Coordinator, Leadership Counsel for Justice & Accountability
4:25-4:55 pm	Public Comment Period
4:55–5:00 pm	Close