

DOCKETED	
Docket Number:	23-ERDD-05
Project Title:	Food Production Investment Program (FPIP)
TN #:	258555
Document Title:	Notice of Dairy Decarbonization Workshop
Description:	N/A
Filer:	Archal Naidu
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	8/16/2024 4:03:53 PM
Docketed Date:	8/16/2024

CALIFORNIA ENERGY COMMISSION715 P Street
Sacramento, California 95814energy.ca.gov

CEC-70 (Revised 7/22)

*IN THE MATTER OF:**Dairy Decarbonization Workshop*

DOCKET NO. 23-ERDD-05

NOTICE OF REMOTE-ACCESS
WORKSHOP

RE: Dairy Decarbonization Workshop

Notice of Dairy Decarbonization Workshop
August 30th, 2024

9:30 a.m. –12:00 p.m.

Remote Access Only via Zoom or Telephone
See Attendance Instructions.

The California Energy Commission (CEC) will host a remote-access workshop to explore innovative solutions to reduce greenhouse gas emissions in California's dairy sector, with a focus on heat pump technologies. This interactive session will:

- Assess the current state of dairy facilities in California
- Examine decarbonization goals for dairy processing facilities
- Discuss industrial heat pump technology as a key strategy to achieve these goals
- Showcase available heat pump technologies and expert insights to support a low-carbon future

The public can participate in the workshop consistent with the attendance instructions below. The CEC aims to begin promptly at the start time posted and the end time is an estimate based on the proposed agenda. The workshop may end sooner or later than the posted end time.

Agenda

CEC's lead commissioner for energy efficiency, Commissioner J. Andrew McAllister, will deliver opening remarks. The workshop will feature presentations from CEC staff, industry experts, technology innovators, and food processing professionals. A panel discussion will follow, focusing on the challenges and solutions of decarbonizing California's dairy industry, including an examination of major barriers in implementation of energy efficiency technologies and strategies to

overcome them. The workshop will also include dedicated time for questions and answers and public comment, encouraging active engagement and feedback from attendees.

A detailed meeting agenda will be posted prior to the workshop at <https://www.energy.ca.gov/events>.

Background

California is home to over 1,100 dairy farms and over 130 dairy product processing facilities. The state leads the nation in milk production and is the second largest cheese-producing state. California's dairy processing industry accounts for 2.5 percent of the state's total energy consumption, representing about 1.4 percent of California's total greenhouse gas emissions. While the dairy industry is important to the state economy, the industry's environmental impacts need to be addressed to reach California's robust climate goals. In 2020, the U.S. dairy industry announced a goal of net zero carbon emissions by 2050. With a significant percentage of the U.S. dairy industry located in California, efforts to reduce emissions at California dairies will help both the dairy industry and the state make progress toward those robust climate goals.

Industrial heat pump technologies offer a highly efficient and sustainable solution for process heating and cooling. Heat pumps can efficiently recover waste heat from processes like pasteurization, evaporation, and cleaning and reuse it for tasks like sanitizing, drying, and water heating. This can lead to significant energy savings while reducing the facility's reliance on fossil fuels and lowering greenhouse gas emissions. By integrating heat pumps into operations, dairy processing facilities can enhance their sustainability, reduce operating costs, and stay competitive in an increasingly environmentally conscious market.

Attendance Instructions

Remote participants may join via Zoom by internet or phone.

- **To join via Zoom.** Click on <https://energy.zoom.us/j/84725729538?pwd=g8vELMdwGGmXQidZD1R6i85xdFCdb5.1> or login in at <https://zoom.us/> and enter the Webinar ID **847 2572 9538** and passcode **413155** and follow all prompts.
- **To join by telephone.** Call toll-free at (888) 475-4499 or toll at (669) 219-2599. When prompted, enter the Webinar ID and passcode listed above.

Zoom Closed Captioning Service. At the bottom of the screen, click the Live Transcript CC icon and choose "Show Subtitle" or "View Full Transcript" from the pop-up menu. To stop closed captioning, close the "Live Transcript" or select "Hide Subtitle" from the pop-up menu. If joining by phone, closed captioning is automatic and cannot be turned off. While closed captioning is available in real-time, it can include errors.

Zoom Difficulty. Contact Zoom at (888) 799-9666 ext. 2, or the CEC Public Advisor at publicadvisor@energy.ca.gov, or by phone at (916) 957-7910.

Public Comment

The CEC encourages the use of its electronic commenting system. Visit <https://www.energy.ca.gov/programs-and-topics/programs/food-production-program>, which links to the comment page for this docket. Enter your contact information and a subject title that describes your comment. Comments may be included in the "Comment Text" box or attached as a downloadable, searchable document in Microsoft® Word or Adobe® Acrobat®. The maximum file size allowed is 10 MB.

Oral comments will be accepted at the end of the workshop. Comments may be limited to three minutes or less per speaker and one person per organization. To comment via Zoom, use the "raise hand" feature so the administrator can announce your name and unmute you. To comment via telephone, press *9 to "raise your hand" and *6 to mute/unmute.

Written comments may be submitted to the Docket Unit by 5:00 p.m. on **September 13, 2024**.

Written and oral comments, attachments, and associated contact information (including address, phone number, and email address) will become part of the public record of this proceeding with access available via any internet search engine. Written comments may also be submitted by email. Include docket number 23-ERDD-05 and Dairy Decarbonization Workshop in the subject line and email to docket@energy.ca.gov.

A paper copy may be mailed to:
California Energy Commission
Docket Unit, MS-4
Docket No. 23-ERDD-05
715 P Street
Sacramento, California 95814

Public Advisor. The CEC's Public Advisor assists the public with participation in CEC proceedings. To request assistance, interpreting services, or reasonable modifications and accommodations, call (916) 957-7910 or email publicadvisor@energy.ca.gov as soon as possible but at least five days in advance of the workshop. The CEC will work diligently to meet all requests based on availability.

Media Inquiries. Email mediaoffice@energy.ca.gov or call (916) 654-4989.

Technical Subject Inquiries. Email Cyrus Ghandi at cyrus.ghandi@energy.ca.gov or call (916) 343-8501.

General Inquiries: Email Energy Research and Development Division at ERDD@energy.ca.gov.

Availability of Documents: Documents and presentations for this meeting will be available at or at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=23-ERDD-05>.

When new information is posted, an email will be sent to those subscribed to the "Food Production Investment Program" list. To receive these notices or notices of other email subscription topics, visit [Subscriptions](https://www.energy.ca.gov/subscriptions), at <https://www.energy.ca.gov/subscriptions>.

Dated: August 16, 2024, at Sacramento, California.

Jonah Steinbuck
Director of the Energy Research and Development Division

Subscriptions:

Food Production Investment Program
Energy Research and Development
Efficiency Topics
Waste Heat and Carbon Emissions Reduction