

DOCKETED	
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Staff Workshop: Dairy Decarbonization in California

Date, Time, and Virtual Connection:

Friday, August 30, 2024

09:30 am- 12:00 pm PST

Join Zoom Meeting -

<https://energy.zoom.us/j/84725729538?pwd=g8vELMdwGGmXQidZD1R6i85xdFCdb5.1> - Webinar ID 847 2572 9538 and Password 413155.

Join by Telephone - Call toll-free at (888) 475-4499 Webinar ID 847 2572 9538, press “#” twice. No passcode is required when joining by telephone.

Workshop Objectives:

This interactive workshop aims to explore innovative solutions for reducing greenhouse gas (GHG) emissions in California's dairy sector, with a focus on heat pump technologies. The session will:

- Assess the current state of the dairy facilities in California
- Examine decarbonization goals for the 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

Agenda Items:

1. Opening Remarks (10 min):

- California Energy Commission (CEC) Commissioner: J. Andrew McAllister
 - Overview of the CEC's energy efficiency and decarbonization goals and efforts.

2. CEC Food Production Investment Program (FPIP) Presentation (10 min):

- FPIP: Matthew Stevens
 - Overview of the FPIP program and FPIP projects in dairy processing facilities.

3. Industry Expert Presentations (15 min):

- San Francisco State University Industrial Assessment Center: Ahmad R. Ganji
 - Overview of the current state of dairy processing facilities in California, including energy consumption, GHG emissions, and decarbonization strategies including industrial heat pumps.
- Danish Energy Agency: Claus Andreasson
 - Overview of the current state of dairy processing facilities in Denmark, past and current decarbonization efforts, and integration of industrial heat pumps.

4. Dairy Product Processing Facility Presentations (15 min):

- Joseph Gallo Cheese Company LP, maker of Joseph Farms Cheese: Peter Gallo
 - Overview of Joseph Gallo Cheese Company sustainability goals and decarbonization strategies.
- California Dairies, Inc.: Darrin Monteiro
 - Overview of the California Dairies sustainability goals and decarbonization strategies.

5. Technology Vendor Presentations (15 min):

- Johnson Controls: Curtis Rager
 - Available industrial heat pump applications for dairy processing facilities.
- GEA: German Robledo
 - Available industrial heat pump applications for dairy processing facilities.

6. Researcher Presentation (10 min):

- Skyven Technologies, Inc.: Arun Gupta
 - Industrial heat pump technology research and development gaps and emerging solutions.

7. Discussion Panel (45 min):

An interactive panel to explore and discuss the current state of available industrial heat pump technologies, challenges faced by dairy processing facilities in adopting these technologies, and the strategies to overcome barriers and facilitate wider adoption to support California's decarbonization goals.

8. Question & Answer Session (30 min):

An interactive opportunity for audience members to ask questions, provide feedback, and suggest solutions to address gaps discussed during the workshop.