Draft Dairy Air Research Prospectus Dairy and Livestock Subgroup #3

August 27, 2018



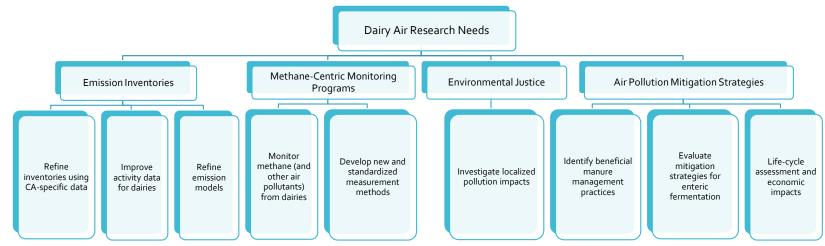
I. RFI Process for Dairy Research: Recap



•June 26: Discussed RFI results at Subgroup #3 meeting https://arb.ca.gov/cc/dairy/documents/o6-26-18/dsg3_rfi_final_results_6-26-18.pdf

•July 7: Categorized research ideas ("diagram") based on RFI submissions disseminated to Subgroup #3 members

•July 26: Revised "diagram" presented at the joint meeting in Fresno https://arb.ca.gov/cc/dairy/documents/07-26-18/joint_subgroup_meeting_dsg3_presentation_7-26-18.pdf



Project concepts that address dairy air research needs based on the RFI submissions.

II. Release of Draft Dairy Air Research Prospectus



•July 24: First draft disseminated to Subgroup #3 members

•July 25: First draft posted to the website https://arb.ca.gov/cc/dairy/documents/07-26-18/dsg3_research_prospectus_7-26-18.pdf

•<u>August 3</u>: Reached out to Subgroups #1 & #2

•<u>August 24</u>: Revised document disseminated to Subgroup #3 members

•<u>August 27</u>: Revised document posted to the website



A document from the Dairy and Livestock Subgroup #

III. Questions Derived from Comments



- Given the methane-centric mission, should we also look into the emissions of other air pollutants associated with dairy operations in California?
- Should we take a holistic view of cross-media impacts from implementing digester (and non-digester) practices?
- Are we missing any important dairy research ideas which are not included and identified during the RFI process?

IV. Public Comment Period

PROGRAM LINKS SLOP GHG Inventory Research Efforts RESOURCES o Contact Us Events Calendar Join the Email List Live Webcasts 0 RSS / Newsfeed

UP LINKS

O Dairy and

Livestock Working Group Subgroup 3 Research Needs (Including Enteric Fermentation)



Q.

News and Upcoming Subgroup Meetings

The next Subgroup #3

scheduled for August 27

broadcasted and can be

A joint subgroup meeting

with all three subgroups

was recently held on July

used and discussed during

26, 2018. All documents

the meeting have been

2018. A meeting notice was

meeting has been

viewed here.

posted.

Public comment period will be announced in September

Search ARB

Subgroup #3 website

https://www.arb.ca.gov/cc/dairy/dsg3/dsg3.htm



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About Our Work Resources Business Assistance Rulemaking News

This page last reviewed August 24, 2018

Saturday, August 25, 2018 Dairy and Livestock Subgroup #3: Research Needs, Including Enteric Fermentation Reducing Air Pollution - ARB Programs
O Climate Change



Subgroup #3 Mission Statement

The main purpose of Subproup #3 is to prioritize dairy research projects that improve our knowledge on:

- 1. The accuracy of greenhouse gas (GHG) and other air pollutant emissions from California dairies. 2. The potential GHG emission reductions and air quality impacts (positive and negative)
- from the implementation of methane mitigation strategies. 3. Enteric fermentation emissions (including short and long-term impacts potential reduction measures could have on dairy product quality and consumer acceptance.

animal health and welfare, dairy economics, water quality, and air quality). The opal of Suboroup #3 is to develop a comprehensive Dairy Air Research Prospectus that outlines various research concepts addressing the knowledge gaps in dairy air research described below. It will help guide California's funding agencies and organizations prioritize future research projects

Deliverables

By the end of 2018, Subgroup #3 will present the final Dairy Air Research Prospectus document to the Oversight Group of the Dairy and Livestock Working Group based on research ideas from subgroup members, community members, researchers, government agencies, and industry stakeholders through public solicitation processes. The prospectus will help ensure that the goals set under SB 1383 are met, while minimizing the impact of other air pollutants and greenhouse gases.

4. Regional GHG and air quality modeling to evaluate short and long-term benefits of air pollution mitigation strategies.

Dairy Research Knowledge Shortfalls

Subgroup #3 has identified four major knowledge shortfalls and research needs. They include: Assess localized air pollution issues associated with dairies, especially in environmental justice communities.
Develop a long-term dairy GHG and air monitoring program to track progess on reducing emissions. 3. Improve emission inventories (e.g. methane, ammonia, etc.) using California-specific data.

Subgroup #3 comments docket

https://www.arb.ca.gov/lispub/comm2/bcsubform.php? listname=dairysubgrp3-ws&comm period=1

Comment Submittal Form

Please note that your written and oral comments, attachments, and associated contact information (e.g. your address, phone, email, etc.) become part of the viewable public record. Additionally, this information may become available via Google, Yahoo, and any other search engines.

COMPLETE THIS FORM TO SUBMIT YOUR COMMENT TO DAIRYSUBGRP3-WS. (YOUR SESSION EXPIRES IN 60 MINUTES.)

SUBMIT COMMENTS: GENERAL COMMENTS TO STAFF AND PARTICIPANTS INVOLVED IN THE DAIRY/LIVESTOCK SB 1383 SUBGROUP 3 (RESEARCH AND ENTERIC FERMENTATION).

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V. Completing the Dairy Air Research Prospectus

