

## **Comment 1 for Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) - 1st Workshop.**

First Name: Steve

Last Name: McCorkle

Email Address: [mccorkle@agwastesolutions.com](mailto:mccorkle@agwastesolutions.com)

Affiliation: AWS

Subject: AWS Comments on Dairy and Livestock GHG Reduction Working Group  
Comment:

Agricultural Waste Solutions, Inc. ("AWS"), headquartered in Westlake Village, California, wishes to express our gratitude to CDFA, CARB, partner agencies, and a diverse group of stakeholders and experts for allowing for the opportunity to comment on the California Dairy and Livestock Greenhouse Gas Reduction from the May 22, 2017 workshop and for inviting comments from stakeholders and the public. AWS works with California dairy farms to produce low carbon transportation fuels and carbon negative co-products that reduce GHG emissions and improve water quality while creating new profit centers from manure and other ag resources.

Please see below our comments from the May 22, 2017 CA Dairy and Livestock GHG Reduction documents:

1. AWS fully supports the common mission statements that apply to all three subgroups. The synergistic goals that tie the groups together allow for a focused end goal which will hopefully create the framework for solutions the coalition can agree upon.
2. AWS feels that the state should not choose or focus on specific technologies. Through having a Digester working group and a Non-digester working group, the state inherently segments the markets and chooses a solution which does not necessarily allow for open technology competition. Digesters are not the end all solution for organic waste liabilities. There should be a focus on the fact that all technologies relative to California dairy and livestock greenhouse gas reductions should be reviewed, and those chosen should have the best fit that allows for the most effective results: proven greenhouse gas mitigation and reductions, a negative carbon intensity, clean water solutions, and healthy soils contributions.
3. Investigation into the key questions asked in the mission statement should be open to those willing to participate and contribute. There is a vast knowledge pool in the interested parties for the CA Dairy and Livestock GHG Reduction, and the collective knowledge contributions can be very valuable.

Sincerely,

Stephen McCorkle, CEO  
Agricultural Waste Solutions, Inc.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/1-dairyworkinggroup-ws-BWYBY1M0UWNQCQBs.pdf>

Original File Name: CDFA Livestock GHG Reduction Comment Letter 6.6.pdf

Date and Time Comment Was Submitted: 2017-06-06 13:14:42

No Duplicates.

**Comment 2 for Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) - 1st Workshop.**

First Name: Fariya  
Last Name: Ali  
Email Address: fxao@pge.com  
Affiliation: PG&E

Subject: PG&E Comments Re: Dairy Working Group Kick-off  
Comment:

See attached.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/2-dairyworkinggroup-ws-AnJTMl05BAgCYAZn.pdf>

Original File Name: PGE\_DairyWorkGroup\_Kick-off\_Comments.pdf

Date and Time Comment Was Submitted: 2017-06-06 14:14:52

No Duplicates.

**Comment 3 for Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) - 1st Workshop.**

First Name: Alia

Last Name: Schoen

Email Address: alia.schoen@bloomenergy.com

Affiliation: Bloom Energy

Subject: Bloom Energy informal comments on Dairy & Livestock GHG Reduction working group, May 23

Comment:

Please find attached Bloom Energy's informal comments on the first meeting of the Dairy and Livestock GHG Reduction Working group meeting on May 23, 2017.

Regards,  
Alia Schoen  
Public Policy Manager

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/3-dairyworkinggroup-ws-UyBQOIY0AiEDWgFl.pdf>

Original File Name: SLCP\_dairy working group comments\_vF.pdf

Date and Time Comment Was Submitted: 2017-06-06 16:41:07

No Duplicates.

**Comment 4 for Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) - 1st Workshop.**

First Name: Stacey

Last Name: Sullivan

Email Address: ssullivan@suscon.org

Affiliation: Sustainable Conservation

Subject: SB 1383 working group meeting comments

Comment:

Thank you for the opportunity to comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/4-dairyworkinggroup-ws-WikAZANDUzEKP1Vt.docx>

Original File Name: SB 1383 work group letter.docx

Date and Time Comment Was Submitted: 2017-06-06 16:42:56

No Duplicates.

**Comment 5 for Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) - 1st Workshop.**

First Name: Nikita

Last Name: Daryanani

Email Address: [ndaryanani@leadershipcounsel.org](mailto:ndaryanani@leadershipcounsel.org)

Affiliation:

Subject: comments on dairy & livestock ghg reduction working group

Comment:

Please find comment letter attached.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/5-dairyworkinggroup-ws-AmYCZVQ8AyIGeQZn.pdf>

Original File Name: DairyandLivestockWorkingGroupcomments06617 .pdf

Date and Time Comment Was Submitted: 2017-06-06 16:44:39

No Duplicates.

**Comment 6 for Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) - 1st Workshop.**

First Name: Tim

Last Name: Carmichael

Email Address: tcarmichael@semprautilities.com

Affiliation:

Subject: SoCalGas comments on Dairy & Livestock Greenhouse Gas Reduction Working Group  
Comment:

Please find our comment letter attached

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/7-dairyworkinggroup-ws-BXZQOQFjUWNWPANk.docx>

Original File Name: SoCalGas Comments on Dairy Working Group 6.6.17.docx

Date and Time Comment Was Submitted: 2017-06-14 11:31:58

No Duplicates.

## **Comment 7 for Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) - 1st Workshop.**

First Name: Joshua

Last Name: Kim

Email Address: [joshua.kim@arb.ca.gov](mailto:joshua.kim@arb.ca.gov)

Affiliation:

Subject: Comment on Non-Digester Methane Emission Solutions

Comment:

[The following was a comment/question submitted by email at the August 21, 2017 Subgroup #1 Meeting]

From: Steve McCorkle

Affiliation: Ag Waste Solutions

This is Steve McCorkle, CEO of Ag Waste Solutions. The presentations and comments today were excellent, and most of them appear to acknowledge that most of the methane generated from manure management practices is from the lagoons, settling basins, transportation/storage, composting, and land application. If we are able to keep the volatile solids from ever reaching the lagoon, using very effective solids separation techniques to separate the solids when the manure is fresh and has not had the opportunity to anaerobically decay, we then achieve one of the methane reduction objectives. If we then gasify the solids in a CA permitted pyrolysis device to produce a nutrient-rich carbon sequestration biochar, we have eliminated the most significant methane emissions from manure management.

We believe that pyrolysis/gasification as an alternative technology should be accelerated in timing as a focus of this group due to its significant potential to reduce methane emissions from CA dairies. We also need CARB to accelerate the measurement techniques and evaluation metrics to evaluate carbon credits and methane reductions from the pyrolysis/gasification of manure. Pyrolysis and gasification can also be utilized in conjunction with AD systems to gasify the digestate, which contains over 50% of the original carbon from the manure, to produce clean energy and/or a nutrient-rich biochar from the digestate.

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2017-08-23 15:48:06

No Duplicates.

**Comment 8 for Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) - 1st Workshop.**

First Name: Joshua

Last Name: Kim

Email Address: [joshua.kim@arb.ca.gov](mailto:joshua.kim@arb.ca.gov)

Affiliation:

Subject: Non-Natural Gas Pathways

Comment:

[The following comment was given via email at the Jan 5th, 2018 Main Dairy Working Group Meeting]

From: Bonnie Holmes-Gen

Affiliation: American Lung Association

Comment:

I would appreciate it if it could be mentioned that some subgroup 2 members have been pushing for a stronger focus/higher priority on investigating advanced technology pathways including specifically electricity and hydrogen. I would also note that there are electricity pathways that provide emission benefits that were not reflected in the benefits/impacts chart that was presented. The group is just at the beginning of digging into impacts and benefits of different pathways for use of digester gas.

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2018-01-08 13:26:02

No Duplicates.

**Comment 9 for Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) - 1st Workshop.**

First Name: JOHN

Last Name: LORENZO

Email Address: mrbrazil04@gmail.com

Affiliation: LAND OWNER

Subject: CDFA GRANT \$ FOR CAFO DISCHARGE VIOLATORS

Comment:

SO MUCH FOR FARMLAND STEWARDSHIP..IN JULY THIS YEAR MY NIEGHBOR/DAIRYMAN DUMPED WITHOUT PERMISSION DAIRY SLUDGE IN EXTREME AMOUNTS (THREE 500FT.LONG PITS)ONTO MY 80 AC. FIELD (PHOTOS AVAILABLE)VIOLATING NUTRIENT MANAGEMENT PLAN LIMITS.. TO COLLECT CDFA GRANT FUNDING FOR HIS ANOROBIC DIGESTER PROJECT...THEN SUBMITED A FALSE MANURE TRACKING MANIFEST REPORT TO THE CRWQCB TO CONCEAL THE VIOLATION.IN 2014 THIS SAME DAIRYMAN DISCHARGED DAIRY WASTE/SLUDGE DIRECTLY ONTO HIS FIELD OVER A MULTI WEEK TIME FRAME IN AMOUNTS THAT VIOLATE CAFO DISCHARGE AMOUNTS (PHOTOS AVAILABLE)CREATING EXCESSIVE NITRATE AOUNTS IN LOCAL DRINKING WATER SUPPLIES.

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2018-12-15 03:50:42

No Duplicates.

**There are no comments posted to Informal Public Comment System for the Dairy and Livestock GHG Reduction Working Group (dairyworkinggroup-ws) that were presented during the Workshop at this time.**