

www.caafi.org

# SAF Summit & CAAFI Biennial General Meeting

June 1-3, 2022 Washington DC

#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22 Mentimeter Polling <u>www.menti.com</u> 5432 4490

#### **SAF Summit & CAAFI Biennial General Meeting**

## **Introductory Comments**



#### Steve Csonka CAAFI Executive Director



#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22 Mentimeter Polling <u>www.menti.com</u> 5432 4490

#### • Welcome

- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

#### Helpful information in the Know Before You Go emails



#### • Welcome

- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

#### Agenda – accessible online





#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22

Mentimeter Polling www.menti.com 5432 4490

#### • Welcome

- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

- Info at bottom of this slide for accessing wifi and social media for posting of comments, photos, and video
- We will be using Mentimeter to capture audience feedback to questions.



#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22

Mentimeter Polling www.menti.com 5432 4490

#### • Welcome

- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

- We are performing a Livestreaming of all three days of the combined SAF Summit & CBGM
- To access the Livestream:

https://airportscouncil.org/caafi/





#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22

Mentimeter Polling www.menti.com 5432 4490

#### • Welcome

- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

#### CAAFI's Founding & Organizational Sponsors





**Airlines for America**<sup>®</sup>

We Connect the World







#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22

Mentimeter Polling www.menti.com 5432 4490

- Welcome
- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

- All plenary activities in this room
- Breaks in the Pre-Function space to your left.
- Lunch in the two rooms behind us
- Restrooms straight across from the back door on your left
- Emergencies:



#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22

Mentimeter Polling www.menti.com 5432 4490

- Welcome
- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

 Violation of the antitrust laws can result in civil or criminal penalties, or both. These penalties can be severe and can be imposed on companies or individuals, or both.



#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22

Mentimeter Polling www.menti.com 5432 4490

- Welcome
- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

- Taking into account these antitrust law considerations, participants should not discuss, reach agreements or exchange information about such subjects as:
  - Price- or service-related terms
  - Division or allocation of markets
  - Boycotts or blacklists
  - Agreeing on which suppliers to use



#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22

Mentimeter Polling www.menti.com 5432 4490

# **Anti-Trust Statement**

The Commercial Aviation Alternative Fuels Initiative (CAAFI) is a volunteer coalition of airlines, aircraft and engine manufacturers, airports, energy producers, researchers, international participants and U.S. government agencies that focuses the efforts of the commercial aviation sector to engage the emerging alternative fuels industry. CAAFI's goal is to promote the development of alternative jet fuel options that offer equivalent safety and favorable costs compared with petroleum-based jet fuel, while offering environmental improvement and energy supply security for aviation. CAAFI is technology-, feedstock- and company-neutral in its work.

Although not itself a company, CAAFI conducts its work and meetings in compliance with antitrust laws, which flow from the basic principle that groups of companies cannot act together to use their economic power to limit or otherwise harm competition. This means that what can be done individually by a firm or entity could be unlawful if done collectively by a group of firms or entities. Something that may seem to make "good business sense" when done by an individual company can injure competition when done collectively or in coordination by a group of companies and, therefore, may be prohibited under the antitrust laws. This is especially so when the collective or coordinated action involves competitors. Violation of the antitrust laws does not require a formal or written agreement among companies.

Violation of the antitrust laws can result in civil or criminal penalties, or both. These penalties can be severe and can be imposed on companies or individuals, or both. Taking into account these antitrust law considerations, CAAFI does not discuss, reach agreements or exchange information about such subjects as:

- Price- or service-related terms. For example, CAAFI does not discuss or exchange information about pricing information not otherwise in the public domain and does not take, promote, support or discuss a position on pricing of fuels, feedstocks or fuel services or terms for fuels, feedstocks or fuel services.
- Division or allocation of markets or customers. For example, CAAFI does not discuss or exchange information with respect to limiting the geographic availability of fuels, feedstocks or services or products, dividing up the territory in which fuels, feedstocks, services or products will be provided, or dividing up customers.
- Boycotts or blacklists. For example, CAAFI does not discuss or exchange information with respect to limiting or refusing to do business with a business or customer, group of businesses or customers or category of businesses or customers, or a supplier, group of suppliers or category of suppliers
- Agreeing on which suppliers to use. For example, CAAFI does not discuss or exchange information regarding which suppliers to use or otherwise specify which suppliers to use.

If a SAF Summit / CBGM participant becomes uncomfortable about discussing or acting on an issue because they believe that it is competitively sensitive, the participant should immediately say so and seek the advice of legal counsel before further discussing or acting on it. If so alerted, the lead of the discussion, matter or event should, taking these Guidelines into account, consider steering the discussion away from the area of concern or seeking legal counsel before proceeding on the issue.

#### • Welcome

- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

- At various times during the conference, we are interested in capturing audience views
- Log-in to menti.com ...
- Enter this code: 5432 4490
- Enter Submit
  - Be prepared to respond to questions as they are highlighted by the moderating team
- Let's try an ice-breaker now

#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22

Mentimeter Polling www.menti.com 5432 4490

- Welcome
- CAAFI Team Introduction
- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview



### SAF Summit & CAAFI Biennial General Meeting Financial Sponsors





United States Department of Agriculture National Institute of Food and Agriculture



Airlines for America®

We Connect the World

#### **Champions**









**Advocates** 



**Supporters** 





RPORTS COUNC

#### Our thanks to these generous sponsors!!

#### **SAF Summit & CAAFI Biennial General Meeting**

### **First Participant's Prize Drawing\***



**Two Junior Suite Upgrades Awarded to:** 

Geoffrey Tauvette FSM Group and Canadian C-SAF Executive Director

Jason Hazen LanzaJet, Director, Fuels and Logistics



#CAAFI2022 @caafiaviation

\* Courtesy of our commercial financial sponsors

• Welcome

CAAFI Team Introduction

#CAAFI2022

@caafiaviation

- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

SAF Thurs	sday
• GO • Res	CBGM Day 2: • Supply Chain Groundwork • Other Enablers • Airport Efforts • State & Local Policy • End User Perspectives • Airlines • Business Aviation

#### • Welcome

CAAFI Team Introduction

#CAAF12022

@caafiaviation

- Logistics
- Anti Trust Statement
- Mentimeter
- Event Sponsors
- Agenda Overview

#### Wednesday SAF Summit:

Password: CBGM22

 Government Commitments to SAF Framing the SAF Challenge bal • US Policy Government & Aviation Working Together • Progress on 3B x '30 Industry Pledge her • SAF Grand Challenge Roadmap Overview Perspectives Panel: SGC SGC Feedback Session Evaluation of SAF Benefits Wifi: YTDC\_Conference **Mentimeter Polling** 

www.menti.com 5432 4490

#### **SAF Summit & CAAFI Biennial General Meeting**

## **SAF Summit Welcome & Introduction**



#### Laurence Wildgoose FAA Assistant Administrator for Policy, International Affairs and Environment



#CAAFI2022 @caafiaviation

#### **SAF Summit & CAAFI Biennial General Meeting**

## **SAF Summit Welcome & Opening Special Remarks**



#### Billy Nolen FAA Administrator (Acting)



#CAAFI2022 @caafiaviation

# **Panel Discussion: Government Commitments** to Sustainable Aviation and SAF

#### **Moderator**



**Steve Csonka** CAAFI, Executive Director



#CAAFI2022 @caafiaviation

FAA,

**Panelists** 



- **Kevin Welsh** DOE, **AEE**, Executive DAS for Director
- **Michael Berube Sustainable** Transportation



Doug McKalip USDA, Senior Advisor, Office of the Secretary



**Karl Simon** EPA, Director, **Transportation** and Climate Division

## Panel Discussion: Framing the SAF Challenge

#### Moderator



Annie Petsonk DOT, Ass't Secretary for Aviation and Intl. Affairs



Panelists



Lauren Riley United Airlines, Chief Sustainability Officer



Kim Carnahan Engie Impact, Sr. Director Net-Zero Fuels



- Jennifer Aurandt Marquis, Director of Innovation & Market Development
- It Mike McAdams Advanced Biofuels Association, President





John Holler World Wildlife Fund, Sr. Program Officer, Climate Cooperation & Sustainable Fuels

## CAAFI® Welcomes you to the 2022 SAF Summit We're on break, We'll restart at 10:30



### SAF Summit & CAAFI Biennial General Meeting Financial Sponsors





United States Department of Agriculture National Institute of Food and Agriculture



Airlines for America®

We Connect the World

#### **Champions**













**Supporters** 





#### Our thanks to these generous sponsors!!

SAF: from a diverse set of world-wide feedstocks Wastes, residues, purpose grown, circular-economy byproducts



### SAF Summit & CAAFI Biennial General Meeting Financial Sponsors





United States Department of Agriculture National Institute of Food and Agriculture



Airlines for America®

We Connect the World

#### **Champions**











**Advocates** 



**Supporters** 





#### Our thanks to these generous sponsors!!

## CAAFI® Welcomes you to the 2022 SAF Summit We're on break, We'll restart at 10:30



## Panel Discussion: U.S. Policy

#### Moderator



Kevin Welsh FAA, AEE, Executive Director



#### Panelists



Austin Brown White House, Office of Domestic Policy, Sr. Director

#CAAFI2022 @caafiaviation



Pete Bunce, General Aviation Manufacturers Assoc. (GAMA), President Sharon Pinkerton, A4A, Sr. VP Legislative & Regulatory Policy



Nancy Young,

**Sustainability** 

Alder Fuels,

Chief

Officer



Alex Laska, Third Way, Sr. Policy Advisor

# Discussion Session: Government and Aviation Working Together Through the SAF Grand Challenge

Michael Berube DOE, DAS for Sustainable Transportation



Bob Jordan Southwest Airlines CEO



### Second Participant's Prize Drawing\*



... and a picture with Michael and Bob

Southwest Airlines is launch customer for 737 Max 737 Max 8: Operating ~74, with 206 on order 737-Max 7: 238 on order



#CAAFI2022 @caafiaviation

\* Courtesy of our commercial financial sponsors

### A moment from A4A:



#### **Airlines for America**<sup>®</sup>

We Connect the World



#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22 Mentimeter Polling <u>www.menti.com</u> 5432 4490

# SAF Summit Lunch: Sponsored by A4A – Airlines for America



Champions + Financial Sponsor

### **Airlines for America**<sup>®</sup>

We Connect the World



#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22 Mentimeter Polling <u>www.menti.com</u> 5432 4490

## Panel Discussion: Industry Progress on 3B x '30 Pledge

#### Moderator



**Michael Berube** DOE, DAS for Sustainable Transportation



**Panelists** 



**Diana Birkett** Rakow Alaska Airlines. **SVP** Public Affairs & Sustainability





**Jill Blickstein** American Airlines, Managing **Director &** Head ESG





**Delta Air Lines**, VP **Sustainability** 

**Mentimeter Polling** www.menti.com 5432 4490



**Roger Libby** DHL, Head of Corp. **Public Affairs**, Americas



Michael

Airlines,

Mgmt.

AuBuchon

Southwest

Sr. Dir. Fuel

**Supply Chain** 



**Philippe Karam** Amazon Air, **Dir. Global Fleet** & Aviation Sourcing

# **Panel Presentation: SAF Grand Challenge Roadmap Overview**

#### **Moderator**



**Steve Csonka** CAAFI, Executive Director



**Panelists** 

**Nathan Brown** DOT/FAA-AEE, Alternative Jet **Fuels Project** Manager





Zia Hag DOE **Bioenergy** Technologies Office, Sr. Analyst



William Goldner **USDA-OCS**, Sr. Advisor, Renewable Energy, Natural Resources, and Environment



## CAAFI® Welcomes you to the 2022 SAF Summit We're on break, We'll restart at 3:25p



### SAF Summit & CAAFI Biennial General Meeting Financial Sponsors





United States Department of Agriculture National Institute of Food and Agriculture



Airlines for America®

We Connect the World

#### **Champions**









**Advocates** 



**Supporters** 





RPORTS COUNC

#### Our thanks to these generous sponsors!!

SAF: from a diverse set of world-wide feedstocks Wastes, residues, purpose grown, circular-economy byproducts



### SAF Summit & CAAFI Biennial General Meeting Financial Sponsors





United States Department of Agriculture National Institute of Food and Agriculture



Airlines for America®

We Connect the World

#### **Champions**











**Advocates** 



**Supporters** 





#### Our thanks to these generous sponsors!!

## CAAFI® Welcomes you to the 2022 SAF Summit We're on break, We'll restart at 3:25p



# Panel Discussion: Government, Academic, & Industry Perspectives on the SAF G.C. Critical Workstreams

#### Moderator



Nathan Brown DOT/FAA-AEE, Alternative Jet Fuels Project Manager





**Panelists** 

Michael Wolcott Washington State University, ASCENT Director





Jim Hileman DOT/FAA-AEE, Chief Scientific & Technical Advisor



- Reed, DOE Bioenergy Technologies Office, Director
- Tim Pohle A4A, VP Environmental Affairs



Steve Csonka, CAAFI, Executive Director

Mentimeter Polling www.menti.com 5432 4490 39

# Panel Discussion: Government, Academic, & Industry Perspectives on the SAF G.C. Critical Workstreams

#### **Moderator**



**Nathan Brown** DOT/FAA-AEE, **Alternative Jet Fuels Project** Manager



**Panelists** 

Michael Wolcott Washington State University, **ASCENT Director** 





**Jim Hileman** DOT/FAA-AEE, Chief Scientific & Technical Advisor





Reed, **DOE Bioenergy** Technologies Office, Director



Amelia DeLuca **Delta Air Lines,** VP Sustainability



Steve Csonka, CAAFI, **Executive** Director

**Mentimeter Polling** www.menti.com 5432 4490 40

## **Audience Feedback Session: SAF Grand Challenge**

Moderator



Steve Csonka CAAFI, Executive Director



#CAAFI2022 @caafiaviation

**Mentimeter Polling** 

www.menti.com

### **SAF Summit Closing Remarks**



Steve Csonka CAAFI Executive Director



#CAAFI2022 @caafiaviation Wifi: YTDC\_Conference Password: CBGM22 Mentimeter Polling <u>www.menti.com</u> 5432 4490

## Networking Reception 5:30p Rooms Seven & Eight

CAAFI®





### SAF Summit & CAAFI Biennial General Meeting Financial Sponsors





United States Department of Agriculture National Institute of Food and Agriculture



Airlines for America<sup>®</sup>

We Connect the World

#### **Champions**





<u>Allies</u>





**Advocates** 



**Supporters** 





#### Our thanks to these generous sponsors!!