

November 19, 2024

To All Interested Parties:

The California Air Resources Board (CARB) invites you to participate in a first public workshop to discuss regulatory concepts for using operational practices to reduce on-ground and near-ground emissions from commercial aircraft in California. Some of the concepts that will be discussed include strategies to reduce emissions from Auxiliary Power Units (APU), transitioning to zero-emission Ground Support Equipment (GSE), and operational strategies to reduce emissions from aircraft taxiing, takeoffs, and landings. This will be the first of a series of workshops, which are open to the public and we encourage your participation.

During the workshop, staff intends to present information on the emissions inventory and potential reductions, outline current and planned data collection efforts, solicit stakeholder input, and discuss preliminary regulatory concepts. Staff also intends to solicit early feedback on alternative regulatory concepts that will be prepared for this regulatory action.

## **Workshop Information**

The workshop will be held virtually through Zoom on the date and time shown below. The workshop is open to the public and we encourage participation by all parties. This meeting will be recorded.

Date: Tuesday, December 10, 2024  
Time: 1:00 p.m. - 3:00 p.m. (Pacific Time)  
Link: [Zoom Registration](#)  
Call-In #: (215) 446-3656 (US) or (888) 363-4734 (US Toll Free)  
Passcode: 350021

## **Meeting Materials**

Materials will be posted on CARB's [Zero-Emission Aircraft Ground Operations webpage](#) prior to the first workshop.

## **Background**

Aircraft emissions contribute a significant amount of air pollution, with community, regional, and global impacts. California aircraft activity is projected to increase by two-thirds between now and 2050 based on historical aircraft activity and economic predictors. Aircraft emissions standards are set by the International Civil Aviation Organization's (ICAO) Committee on Aviation Environmental Protection (CAEP), and the Federal Aviation

Administration (FAA) leads the U.S. delegation. The U.S. Environmental Protection Agency (EPA) serves as a technical advisor to FAA, and subsequently adopts international standards. Currently, ICAO and U.S. EPA have no plans to modify standards to lower current oxides of nitrogen (NOx) levels from aircraft engines. Therefore, because of increased activity projections, NOx emissions from aircraft operations in California are projected to increase from 55 to 71 tons per day (tpd) between 2024 and 2050, whereas all other mobile source sectors are projected to decrease. Multiple areas in California cannot meet federal air quality standards without emission reduction from aircraft operations.

In the 2022 State SIP Strategy, CARB committed to go to the Board in 2027 with proposed programs and policies to reduce airport and aircraft emissions to the maximum extent practicable. In July 2024 CARB, the South Coast Air Quality Management District, and EPA announced joint intent to act to achieve further emissions reductions from a variety of sources primarily under federal control, including airports and aircraft.

## Special Accommodation Request

If you require additional special accommodation or need this document in an alternate format (i.e. Braille, large print) or another language, please contact Ramin Tohidi at [Ramin.Tohidi@arb.ca.gov](mailto:Ramin.Tohidi@arb.ca.gov), no later than 10 business days before the scheduled meeting. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

Para solicitar comodidades especiales o necesita este documento en un formato alternativo (es decir, Braille, letra grande) o en otro idioma, favor de contactar a Ramin Tohidi en [Ramin.Tohidi@arb.ca.gov](mailto:Ramin.Tohidi@arb.ca.gov), a más tardar 10 días hábiles antes de la reunión programada. TTY/TDD/Personas que necesiten este servicio pueden marcar el 711 para el Servicio de retransmisión de mensajes de California.

## For More Information

For more information, visit CARB's [Zero-Emission Aircraft Ground Operations webpage](#). To receive updates and notices of upcoming meetings, sign up for our [email subscription service](#). If you have questions about the workshop, please contact Dr. Ramin Tohidi, Air Resources Engineer, by phone at 279-208-7915 or by email at [Ramin.Tohidi@arb.ca.gov](mailto:Ramin.Tohidi@arb.ca.gov).

Sincerely,



Dr. David C. Quiros, Chief  
Mobile Source Analysis Branch  
Air Quality Planning and Science Division