



LAWWA

BOLDLY MOVING TO ZERO

Year-End Progress Report on LAWA/AQMD MOU Implementation

Los Angeles World Airports

December 2020

Year-End Progress Report on MOU Implementation

MOU Overview:

- On December 6, 2019, a MOU was entered by the South Coast AQMD and Los Angeles World Airports (LAWA).
- In June 2020, an interim report concerning the progress on the MOU measures was provided to SCAQMD
- LAWA agreed to provide a second interim report on the MOU measures progress.

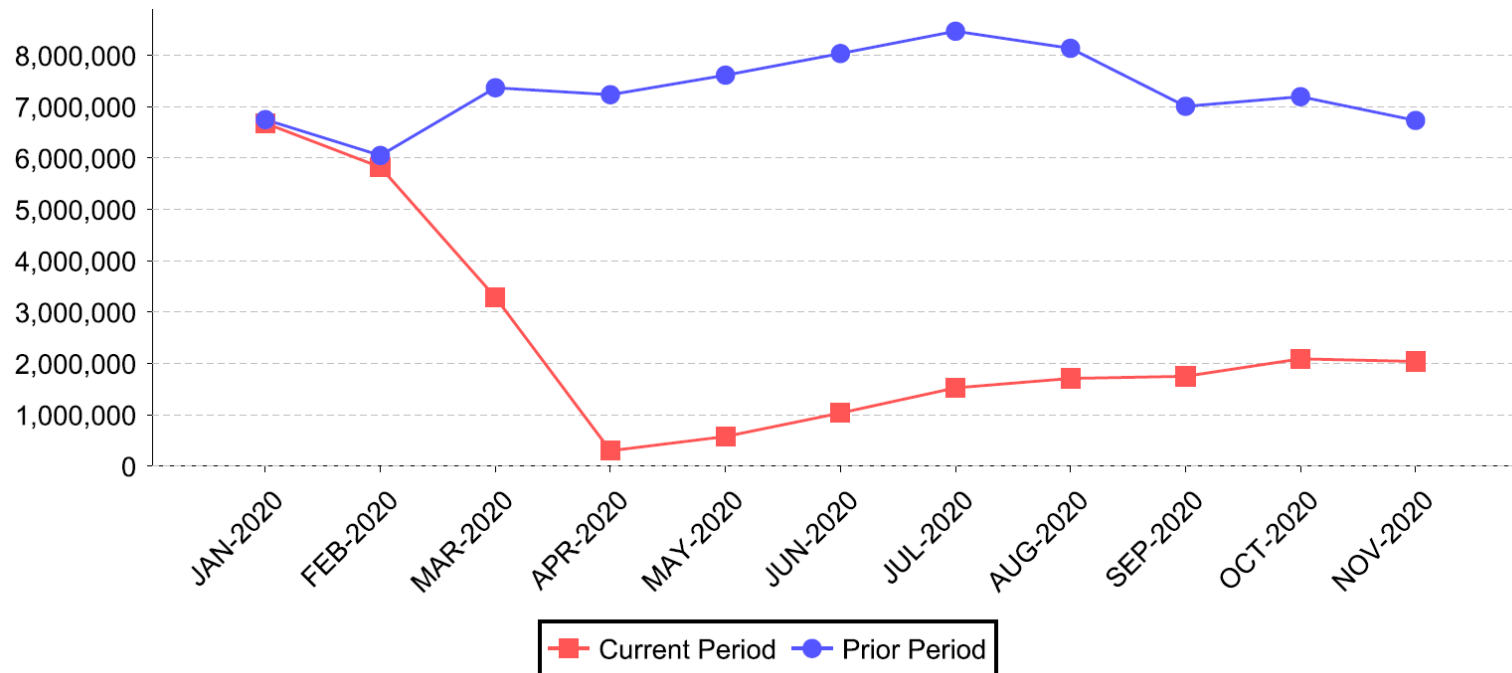
LAWA continues to implement MOU Measures and Air Quality Improvement Program as part of its overall Sustainability Plan

COVID-19 Impact at LAX

- 2020 LAX passenger activity has decreased **67%** from 2019 levels due to COVID-19
- Capital plans have been modified due to significant reduction of funding and resources
- Overall airport operations and activities resulted in air quality improvements and emissions reductions

LAX Total Passengers Month over Month
as of 29-DEC-2020

Current Period JAN-2020 through NOV-2020 compared to Previous Period JAN-2019 through NOV-2019



Measure No.1

Ground Support Emission Reduction Policy

Measure: Require that all ground support equipment operators at LAX achieve fleet average NOx + Hydrocarbon (HC) emission factors of 1.8 grams and 1.0 grams per brake horsepower hour (g/bhp-hr of NOx + HC) January 1, 2023 and January 1, 2031

Progress To Date

- ✓ Updated GSE Emissions Reduction Policy per new targets in MOU in November 2019
- ✓ Completed the reporting year 2019 analysis of GSE equipment at LAX
- ✓ Reviewed and improved data collection protocol
- ✓ Implement GSE Incentive Program to distribute \$500,000 incentives to encourage replacement of GSE with zero-emission GSE



Measure No.2

Alternative Fuel Vehicle Incentive Program

Measure: LAWA launched an incentive program to distribute \$500,000 in incentive funding to operators of vehicles over 14,000 pounds gross vehicle weight rating at LAX by December 31,2021.

Progress To Date

2020:

- BOAC authorized LAWA to distribute funds to the eight successful applicants, replacing 24 heavy-duty vehicles:
 - Air Faayre CA
 - Central Coast Shuttle Services Inc.
 - Hacor Inc.
 - Kotobuki-Ya, Inc.
 - Mutual Propane
 - CPS
 - Royal Airline Linen
 - Host International
- \$85,000 have been distributed to date.
- Approximately \$420,000 is expected to be distributed by the end of 20-21 Fiscal Year

Measure No.3 Zero-Emission Bus Program

Measure: Replace 20% and 100% of LAWA-owned and operated buses with zero-emissions buses by January 1, 2023 and January 1, 2031

Progress To Date

April 2018:

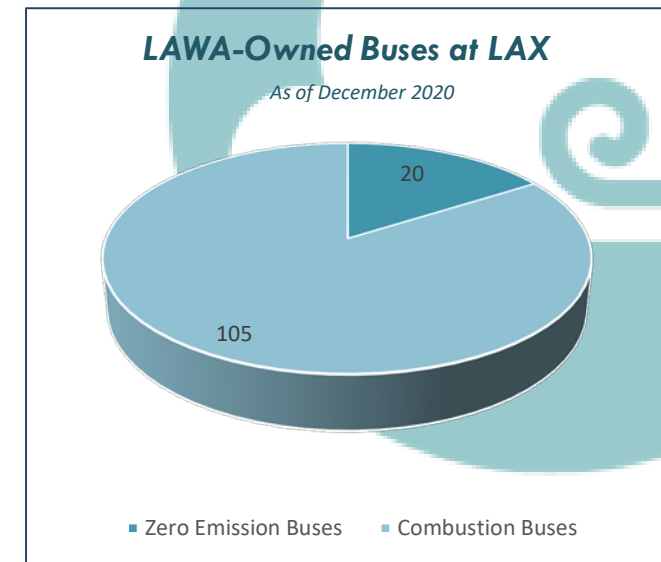
- Board of Airport Commissioners approved purchase of twenty (20) all-electric airfield buses to replace 14 diesel-fueled buses with electric buses and add 6 electric buses to airfield bus fleet

May 2020:

- All 20 electric buses delivered
- LAWA is reevaluating landside shuttle and bus operations due to the impact of COVID-19

December 2020:

- These 20 buses comprise nearly **16% of total LAWA's current bus fleet**
- Zero-Emission Bus requirement language included in LAWA contracts



December 2020 6

Thank You



LAWA