

Presented to:
South Coast Air Quality Management District

MOU PROGRESS REPORT

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ANNUAL REPORT REQUIREMENTS

MOU Airport Obligation:

- On an annual basis by June 1
- Provide information to AQMD as listed in the MOU
- Beginning in 2021, ending 2032
- Includes 3 MOU Schedules:
 - Ground Support Equipment
 - Jet Fuel Delivery Trucks
 - Parking Shuttle Bus Electrification



COVID RECOVERY CONTINUES

COVID IMPACTS HAVE BEEN SEVERE

- Total airline passenger traffic at JWA down 97% in April 2020 vs. April 2019
- Total commercial aircraft operations down 50% in 2020 compared to pre-COVID year

RECOVERY HAS BEEN SLOW

- Total airline passenger traffic at JWA is still down 45% in April 2021 compared to April 2019



JWA MOU MEASURES

MOU SCHEDULE NO. 1 – GROUND SUPPORT EQUIPMENT

- Outreach to airlines
 - Coordinated with airlines and third-party operators
 - Continuing to evaluate and assess fleet turnover
- Revised airline contracts to address GSE emission goals
- Requested GSE conversion plans from each airline
- Ongoing assessments of GSE charging infrastructure
 - Currently installed at all commercial gates
 - Evaluating the need for additional locations

MOU SCHEDULE NO. 1 (CONT.)



- Fleet Average Emission Factor Trending Down
 - 4.0 g/bhp-hr (2017)
 - 3.2 g/bhp-hr (2020)
- Primarily due to cleaner (higher tier) diesel GSE and newer gasoline GSE
- NOx emissions decreased 55% from 2017 to 2020 (accounting for COVID effects on GSE activity)

MOU SCHEDULE NO. 2 – ELIMINATE/REDUCE JET FUEL DELIVERY BY TANKER TRUCKS

- Pipeline became operational in October 2019
- Two small operations take routine deliveries by tanker truck (existing contractual obligations)
- Working with fuel supplier and operations to further reduce fuel truck deliveries
- Working with vendors to log/track fuel deliveries

MOU SCHEDULE NO. 2 (CONT.)

- Over 96% of fuel now delivered by pipeline
- NOx emissions from fuel delivery trucks reduced 98% from 2017 estimates
- Reduction of 7,259 and 306 lbs/year for NOx and ROG, respectively compared to 2017 estimates



MOU SCHEDULE NO. 3 – PARKING LOT SHUTTLE BUS ELECTRIFICATION

- Engaged and tested electric buses on bus routes
- Reviewed and identified charging and infrastructure needs
- Signed a purchase contract for the first three of potentially twelve electric buses and chargers
- Developed long-range plan for grant application and purchase of the remaining of electric buses
- Working with the utility to install electrical infrastructure
- Due to COVID, shuttle buses ceased operation for majority of 2020.



For more information:

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