



South Coast  
Air Quality  
Management  
District



long beach  
airport

F A C T S H E E T

# LONG BEACH AIRPORT MOU

## SEMI-ANNUAL PROGRESS REPORT JUNE 2020

The Long Beach Airport (LGB) entered into a Memorandum of Understanding (MOU) with South Coast AQMD in December 2019 to implement specific measures at the airport that will achieve emission reductions. In addition to the annual reports, the airport will provide semi-annual progress reports in 2020 on the implementation of those measures. LGB has held firm to its obligations under the MOU despite dramatic reductions in passenger activity due to COVID-19.

### MOU MEASURE NO. 1: GROUND SUPPORT EQUIPMENT

Ground Support Equipment (GSE) is used to service aircraft between flights and includes refueling equipment, luggage/freight carts and food services. This measure requires that all GSE operators to upgrade to a cleaner fleet by January 1, 2023, and to continue upgrading the fleet so that it is 53% cleaner by January 1, 2031. To meet these targets, LGB will continue to work with tenants to accelerate turnover to cleaner equipment. Progress to date is summarized below:

- Currently performing evaluation of GSE status and identification of equipment that may need to be replaced according to age, performance, and historical trends.
- Evaluating the availability of clean-burning and electric GSE.
- Budget planning for future GSE expenditures.
- Installed and/or replaced GSE chargers at all 11 passenger aircraft parking positions, with additional chargers in GSE storage areas.
- New chargers are more robust than the previous generation and support up to 40 kW charging.
- Final installation phase was completed in February 2020.

These actions will reduce NO<sub>x</sub> by 0.9 tons per year, the equivalent to removing more than 1,200 cars off the road. When released into the atmosphere, NO<sub>x</sub> gases react to form ground level ozone, otherwise known as smog.

