



City of Long Beach

Working Together to Serve

Memorandum

Date: September 17, 2018

To: Patrick H. West, City Manager *T.H.W.*

From: Jess L. Romo, Director, Long Beach Airport *JLR*

For: Mayor and Members of the City Council

Subject: City Council Action on Airport Sustainability

At its August 14, 2018 meeting, the Mayor and City Council requested the City Manager to direct Long Beach Airport (Airport) to develop a plan to be a national leader in airport sustainability. The Airport has already begun the process to develop a broad plan addressing sustainability with respect to energy generation and conservation, use of materials and equipment support conservation, best practices related to ground vehicles (airside and landside), recycling, etc. We also intend to include air quality work as part of the plan. The plan is expected to include technical, but necessary analyses, ensuring that our plan provides an approach that considers multiple sources of environmental impacts on the surrounding community and region.

We should expect this plan to build on the many projects and practices already implemented at the Airport that support sustainability and mitigation of air quality impacts. Significant examples include:

- Electrification of all aircraft gates at the terminal—this allows aircraft to use in-ground electrical supplies instead of using Jet A-powered power units
- Airline use of electric-powered ground service equipment (58 percent)
- Airport use of compressed natural gas fleet vehicles (23 percent)
- Recycling of cardboard used by concessionaires
- Solar-powered array installed on the south concourse (~4,800 kW/Hr.)
- Waterless urinals in both concourses
- LED lighting throughout Parking Structure A
- Plans for installing a solar array on the rooftop of Parking Structure B, the first half of 2019 (~1,600 kW/Hr.)

The work to develop such a plan will involve members of our staff and require significant assistance from contracted consultants. We expect to select our consultant team(s) in the coming weeks and will commence work immediately thereafter. Given the scope of work, we plan to allocate 180 days for development of the plan. After internal review and approval of the work, we will return to the Mayor and City Council with findings and recommendations. The plan will include an array of programs, initiatives and best practices related to sustainability and improvement in air emissions at the airport, scalability of these approaches, realistic yet proactive timeframes, and cost estimates associated with each approach. With this information,

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we will be in the best position to ensure the Mayor and City Council are well informed on which steps to take regarding the above-mentioned considerations. Along with these considerations, the Airport will assess its ability to fund the identified sustainability programs and initiatives using both operating revenue and grant funding to the extent eligible. Cost estimates will be identified as part of this work. Accordingly, the fiscal impact is not yet known. The approach, however, will be scalable, which will assist in setting priorities.

We are excited to undertake this important step in helping to move the Airport into the forefront of impactful, measurable, achievable, and leading-edge environmental practices. If you have any questions regarding this matter, please feel free to contact me at (562) 570-2605.

JR:km

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