

Long Beach Airport Sustainability Plan

Sustainable City Commission
February 28, 2019

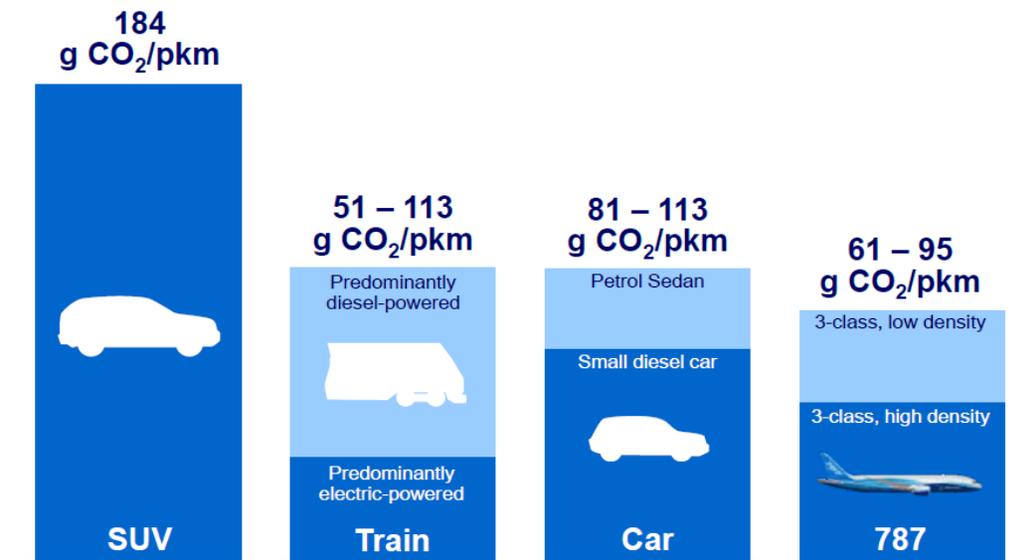


long beach
airport

where the going is easy®



How Does Aviation Compare?



Equivalent grams CO₂ / passenger kilometers, assuming average modal load factors (1.6 passengers for SUV and cars, 38.7% for diesel train, 47.6% for electric trains, 70% for low density 787 and 90% for high density 787).

Electric trains are assumed to have typical CO₂/kWh electrical generation factors, reflecting a mix of fossil fuels, nuclear and hydroelectric sources.

Aviation Presents an Excellent Opportunity



Near-Term Technologies Provide a 20% Reduction in Fuel Savings and Aircraft Emissions



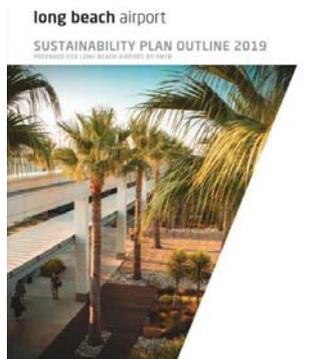
What We're Doing Now

- **Gate Power and Air Conditioning**
Reduces Total Air Emissions by over 3.0 million pounds annually
- **On-Airport Parking**
Eliminates 8,760 shuttle bus trips annually
- **Water Conservation Efforts**
Save 300,000 gallons per year
- **Stormwater Pollution Prevention Plan**
Prevents contaminants from entering the stormwater channel
- **Energy Reduction Efforts**
Save 1.1 million kWh annually
- **Community Noise**
The Noise Ordinance enables us to lead the nation
- **Air Quality Implementation Plan**
Working with SCAQMD and other airports to reduce transportation emissions



What We're Planning for the Future

Long Beach Airport will develop a plan to lead the nation on sustainability for airports and work with the airlines serving LGB and other partners to become an incubator of clean tech in aviation, with goals of becoming a carbon neutral facility.



Mayor Robert Garcia

August 14, 2018

Initial Plan Will Evaluate:

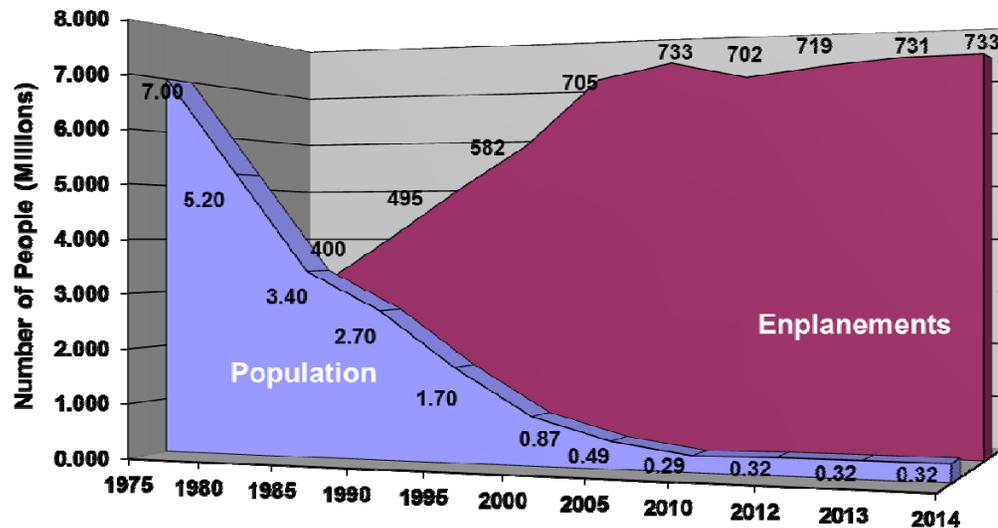
- Air Emissions
- Energy
- Water Conservation
- Water Quality
- Solid Waste and Recycling
- Carbon Accreditation

EONS Approach to Sustainability



Sustainability Is Not Just Technology

**The Historical Record:
Order of Magnitude Noise Exposure Reduction Despite
Traffic Growth**



**Space X Dragon Capsule Docked
With the International Space
Station**



We Look Forward to Working With You!



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