



LAWA

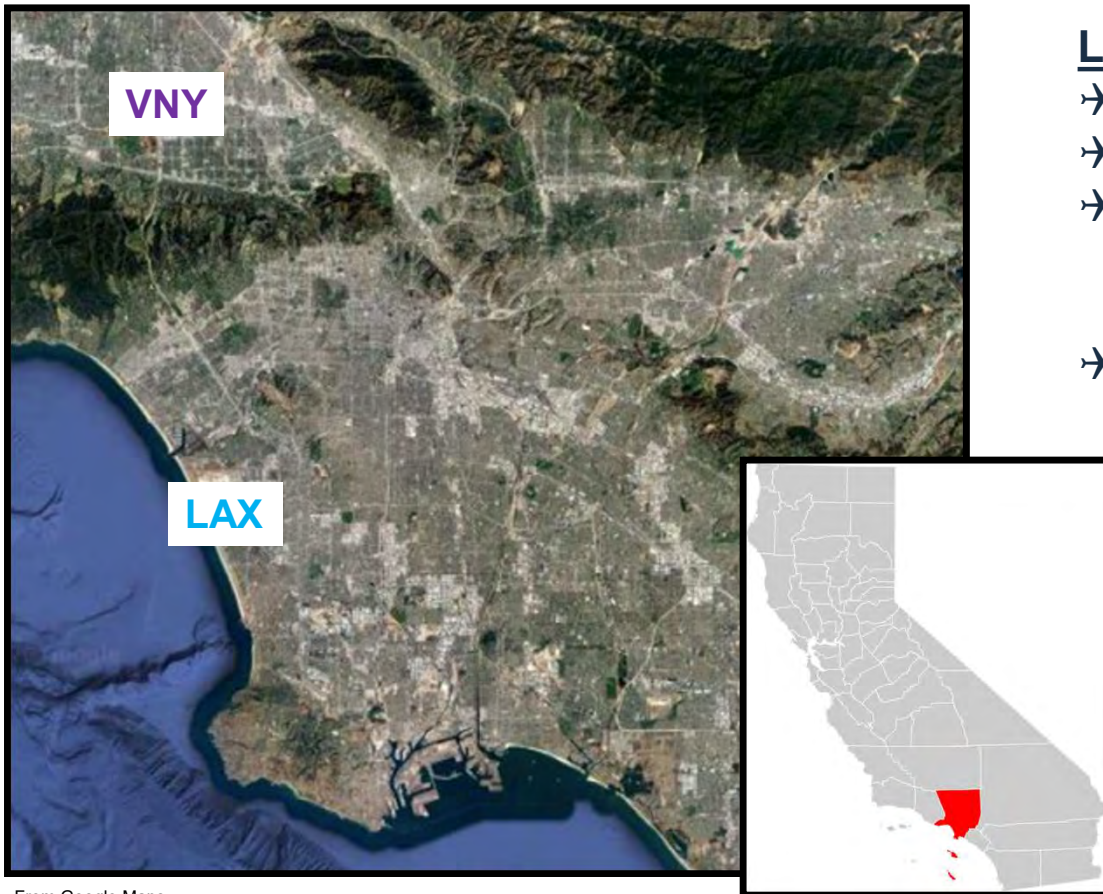
BOLDLY MOVING TO ZERO

LAWA Sustainability Program

August 19, 2021

LAWA | **LAX VNY**

Introduction



From Google Maps

Los Angeles International Airport (LAX)

- Located 30 minutes west of Downtown LA
- Over 88 million passengers in 2019
- 46 countries served, over 1,200 nonstop international flights weekly, and 700 daily domestic departures
- 2 million tons of cargo processed in 2019

Van Nuys Airport (VNY)

- Located in San Fernando Valley, 50 minutes northwest of Downtown LA
- One of the busiest General Aviation airports in the world.
- Over 200,000 operations in 2019

LAWA | LAX VNY

Sustainability Programs and Policies

LAWA has implemented many sustainability program and policies, such as:

- Employee Rideshare Program
- Alternative Fuel Vehicle Requirement Policy and Incentive Program
- GSE Emissions Reduction Policy and Incentive Program
- Electric Vehicle Purchasing Policy
- FlyAway Bus Service
- Sustainable Design and Construction Policy
- LAX Harvest Food Donation Program
- Organic Food Waste Program



Sustainability By The Numbers

Potable water use ↓ 24%
(per pax since 2013)

50% of landscaped area is irrigated with recycled water

Energy use ↓ 26%
(per pax since 2013)

1.9 million kwh of solar energy produced

34% GSE is electric

60% of LAWA's fleet is alternative fuel

2.7 million square feet certified LEED Silver or Gold

176 tons food waste diverted

86% C&D waste recycled



Photo credit: Robert Opel

Sustainability Action Plan

In November 2019, the LAWA Board of Airport Commissioners adopted the [Sustainability Action Plan](#) (SAP). Aligning with Mayor's Green New Deal for LA (Sustainability City pLAN), the SAP establishes bold new goals, targets, and strategies for energy, water, waste, and air quality.



Zero Carbon Electricity by 2045 for LAX and VNY



Zero Potable Water for non-potable uses such as landscaping and LAX's Central Utility Plant by 2045



Develop Road Map to Zero Waste Facilities by 2020



Carbon Neutral LAWA Operations by 2045

Key SAP Strategies

<p>Energy</p>	<ul style="list-style-type: none"> → Improve monitoring and energy use management → Identify and implement improvements in existing buildings → Increase on-site renewable energy generation → Enhance sustainability design and construction requirements 	<p>Waste</p>	<ul style="list-style-type: none"> → Phase out single-use plastic bottles → Increase food waste diversion → Focus on source reduction, esp. Environmentally Preferable Purchasing → Improve recycling infrastructure and collection
<p>Water</p>	<ul style="list-style-type: none"> → Improve monitoring and water use management → Identify and implement improvements in existing buildings → Expand reclaimed water network and usage → Enhance sustainable design and construction requirements → Add more native and drought-tolerant landscaping 	<p>Air Quality</p>	<ul style="list-style-type: none"> → Achieve ACA Level 3+ → Complete electrification of all aircraft gates → Convert fleet to 100% zero emission → Reduce GSE emission average factor → Improve access to airport for employees → Adopt a Clean Construction Policy for construction equipment → Implement Technology Advancement Program

Other SAP Focus Areas



Noise Management



Natural Resources Management



Corporate Responsibility



Sustainable Development



- The LAWA Sustainable Design and Construction Policy and [LAWA Design & Construction Handbook](#) together provide a framework for projects to meet sustainability requirements, such as;
 - Minimum LEED Silver rating for new construction and major renovation projects at LAX and VNY,
 - Mandates for install infrastructure to support recycled water use,
 - Provision of ground power to parked aircraft, and
 - Emission standards for construction equipment.



Landside Access Modernization Program

Construction of the [Landside Access Modernization Program](#) (LAMP) began in 2019. LAMP aims to relieve congestion for people traveling to and from LAX. The ITF is expected to be operational by 2021. The APM and ConRAC are expected to be operational by 2023.

Key sustainability features include over 4MW of solar, an all electric train, and use of reclaimed water and drought-tolerant landscaping.



**Airport People Mover
(APM)**



**Consolidated Rent-a-Car
Facility (ConRac)**



**Intermodal
Transportation Facility
(ITF) East & West**



**Roadway
Improvements**

What's Next for LAWA

Airfield and Terminal Modernization Program

Terminal 4 Modernization Project

Terminal 6 Renovation Project

Receiving Station X

What's Next for LAWA

Using the SAP as the sustainability blueprint, LAWA plans to:

- Continue to modernize facilities,
- Develop new policies and programs,
- Expand or improve existing policies and program,
- Improve data collection and monitoring of our facilities and operations,
- Continue collaboration with airport stakeholders and partners, and
- Engage local communities.



The Future of LAX



LAX