



# WELCOME

## Please Sign In

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For more information, please visit  
[www.SDAirportPlans.com](http://www.SDAirportPlans.com)

# Meeting Format

# Project Team Introductions

# Presentation Overview

1. Master Plan Overview, Purpose and Schedule
2. Existing Conditions
3. Forecasts of Aviation Demand
4. Facility Requirements
5. Alternatives Analysis

# 1. Master Plan Overview, Purpose and Schedule

# What is an Airport Master Plan?

- Vision for the future
- Examination of assets and deficiencies
- Forecast of aviation demand
- Consideration of alternatives
- Phased graphic representation of development
- Funding plan

# Project Schedule



ALP – Airport Layout Plan  
CEQA – California Environmental Quality Act  
FFA – Financial Feasibility Analysis

# Published Materials

The following documents can be accessed on the City of San Diego Airport Master Plans website

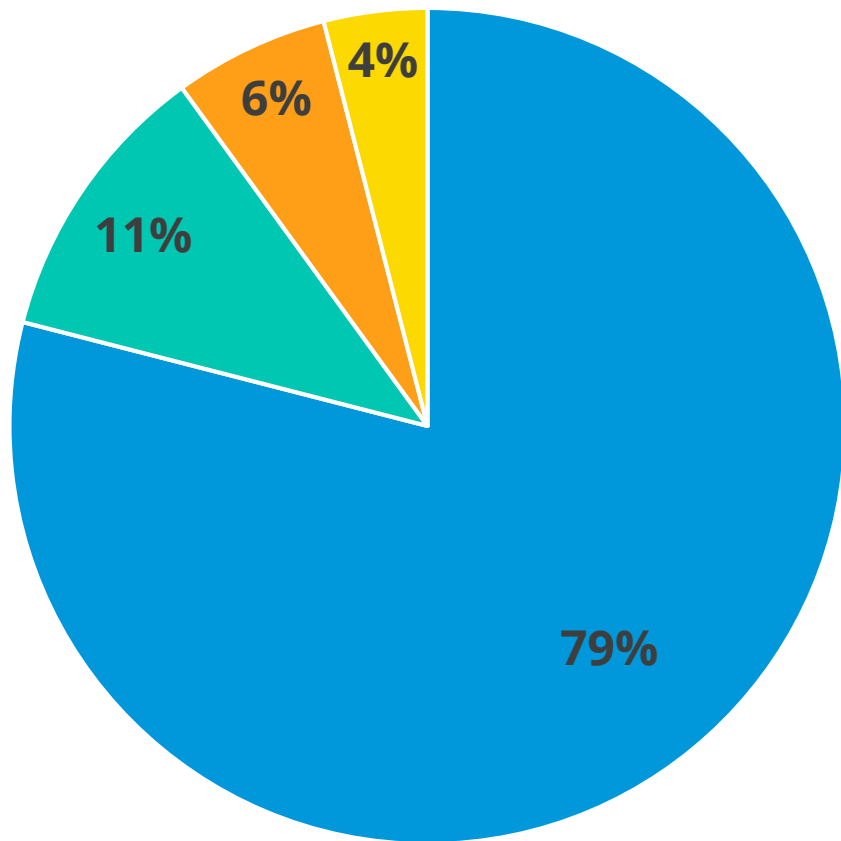
- Fact sheets, and FAQs
- Working Papers 1, and 2 along with the FAA Forecast Approval letter
- The Airport Recycling, Reuse, and Waste Reduction Plan
- Advisory Committee Meeting Materials
- Public Meeting Materials

<http://www.sdairportplans.com/>



## 2. Existing Conditions

# Based Aircraft



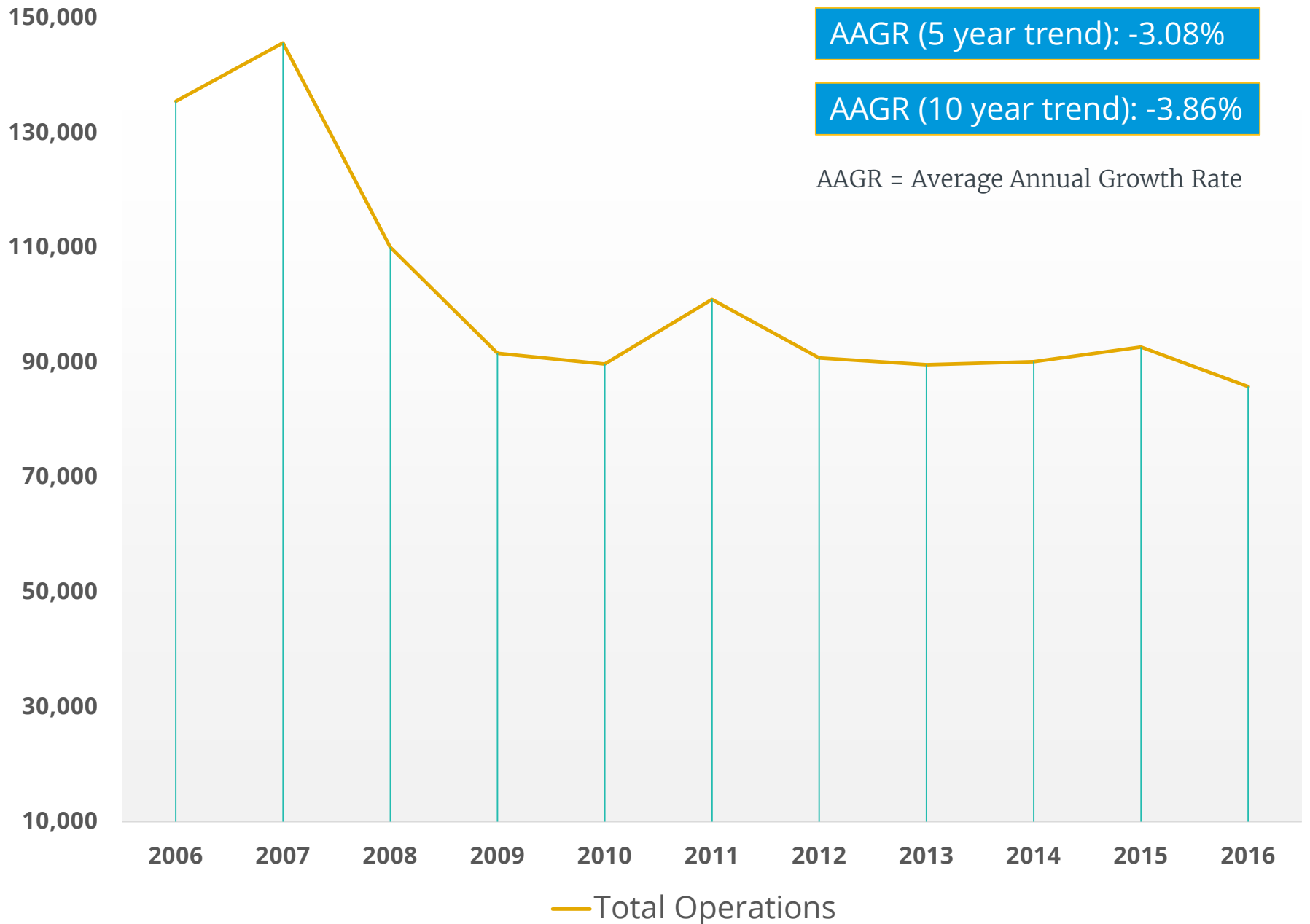
- Single Engine
- Multi Engine
- Jet
- Helicopter

223 Based Aircraft in June 2017

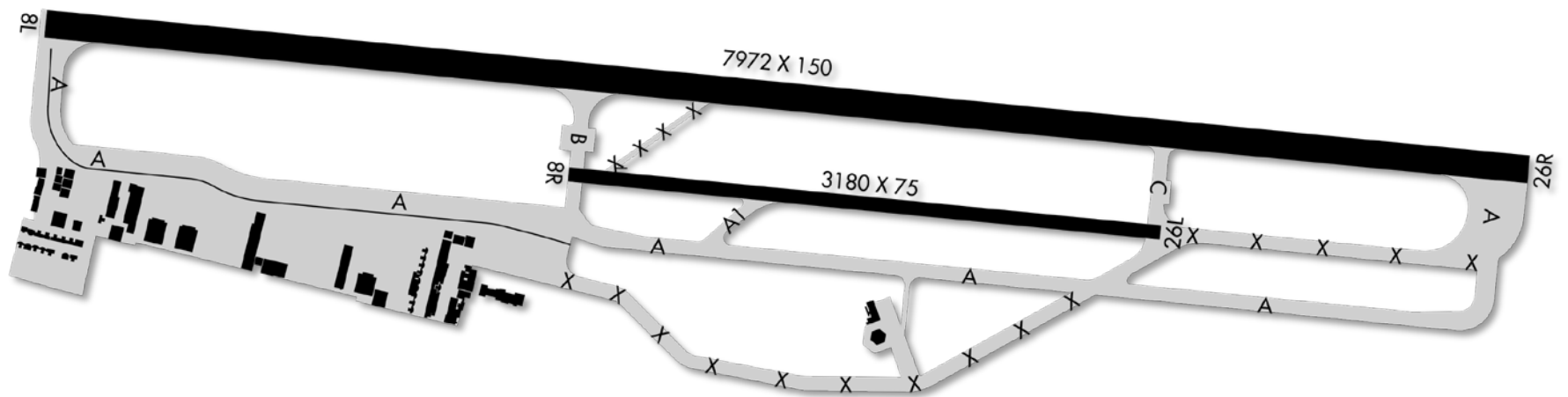


Source: <https://www.facebook.com/EAAChapter14/>

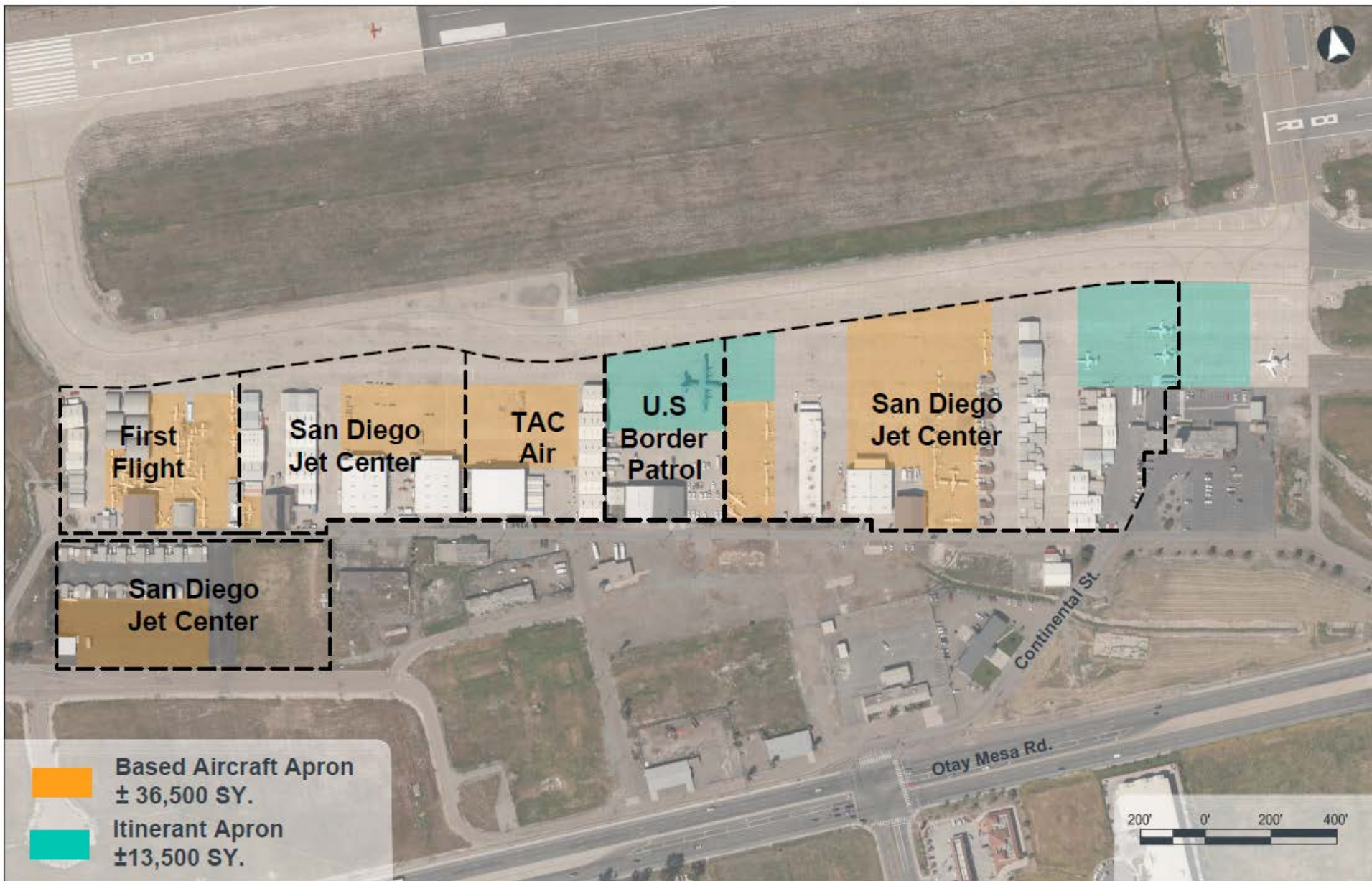
# Historical Operations



# Airfield Geometry



# Facilities



# Other Considerations

## Services

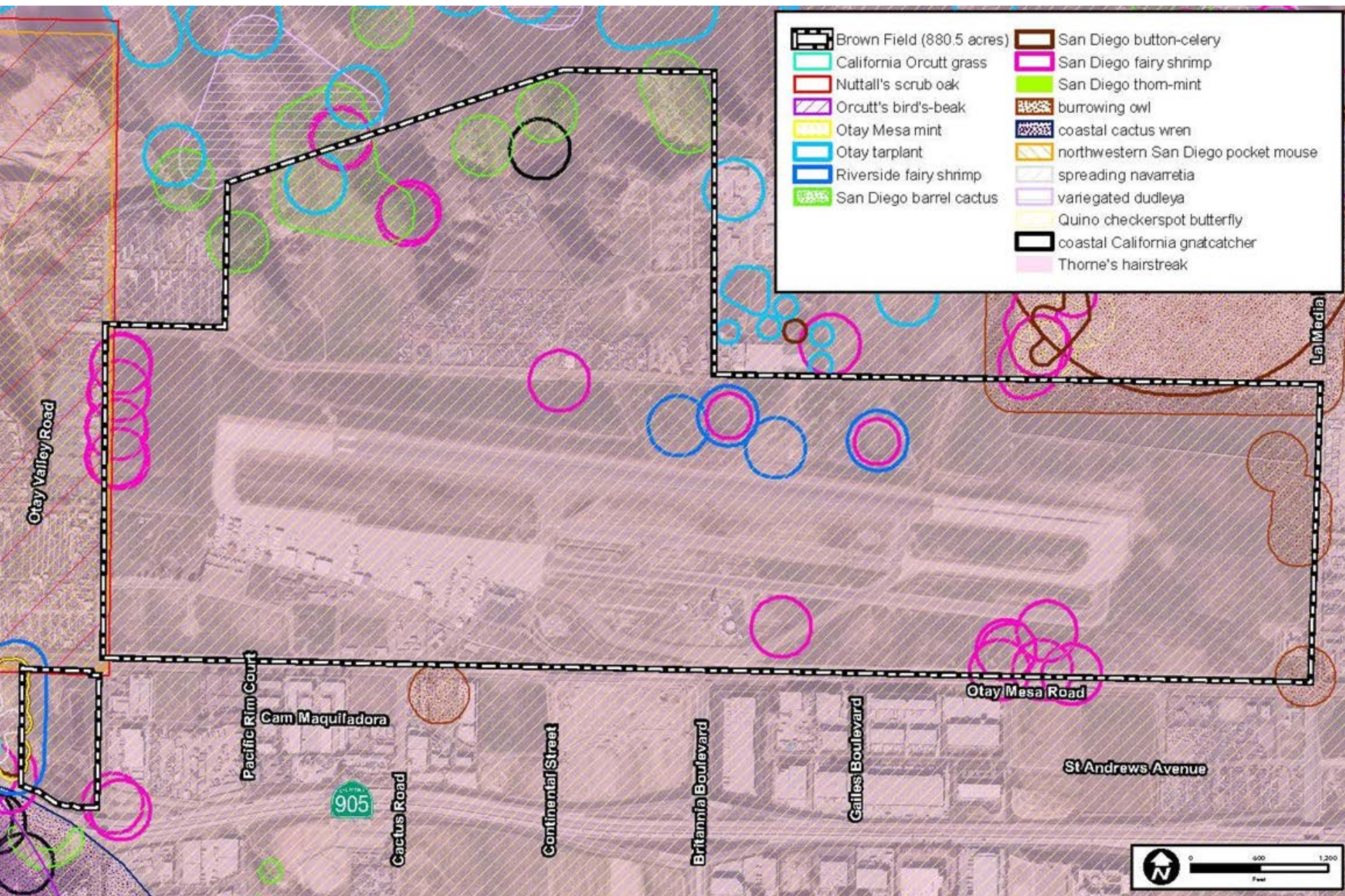
- Improve public's awareness of Airport
- Become more business friendly

## Facilities

- Upgraded or new terminal building
- Additional hangar space
- Additional U.S. Customs apron & building

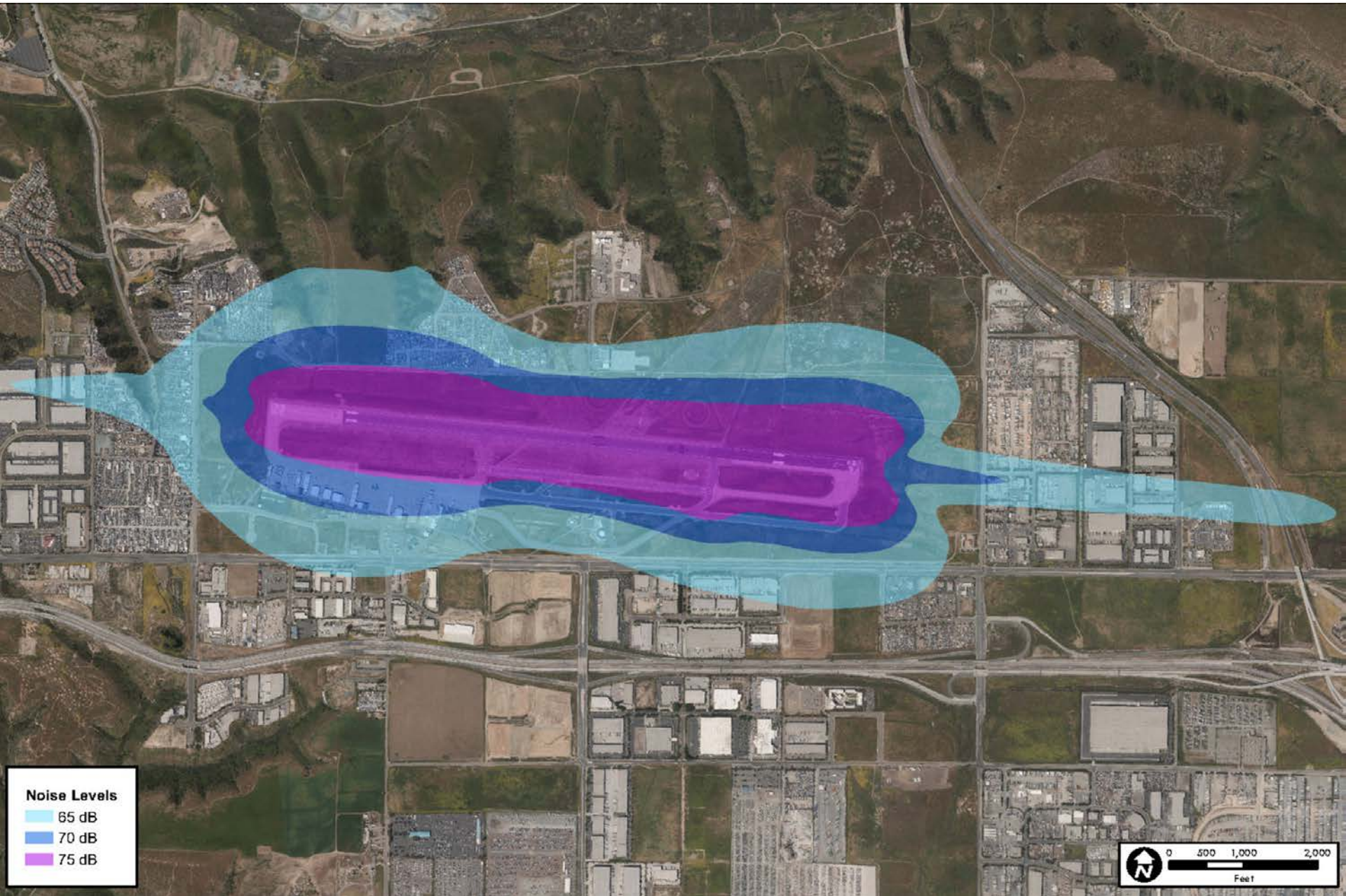
# Environmental Overview

# Biological Resources



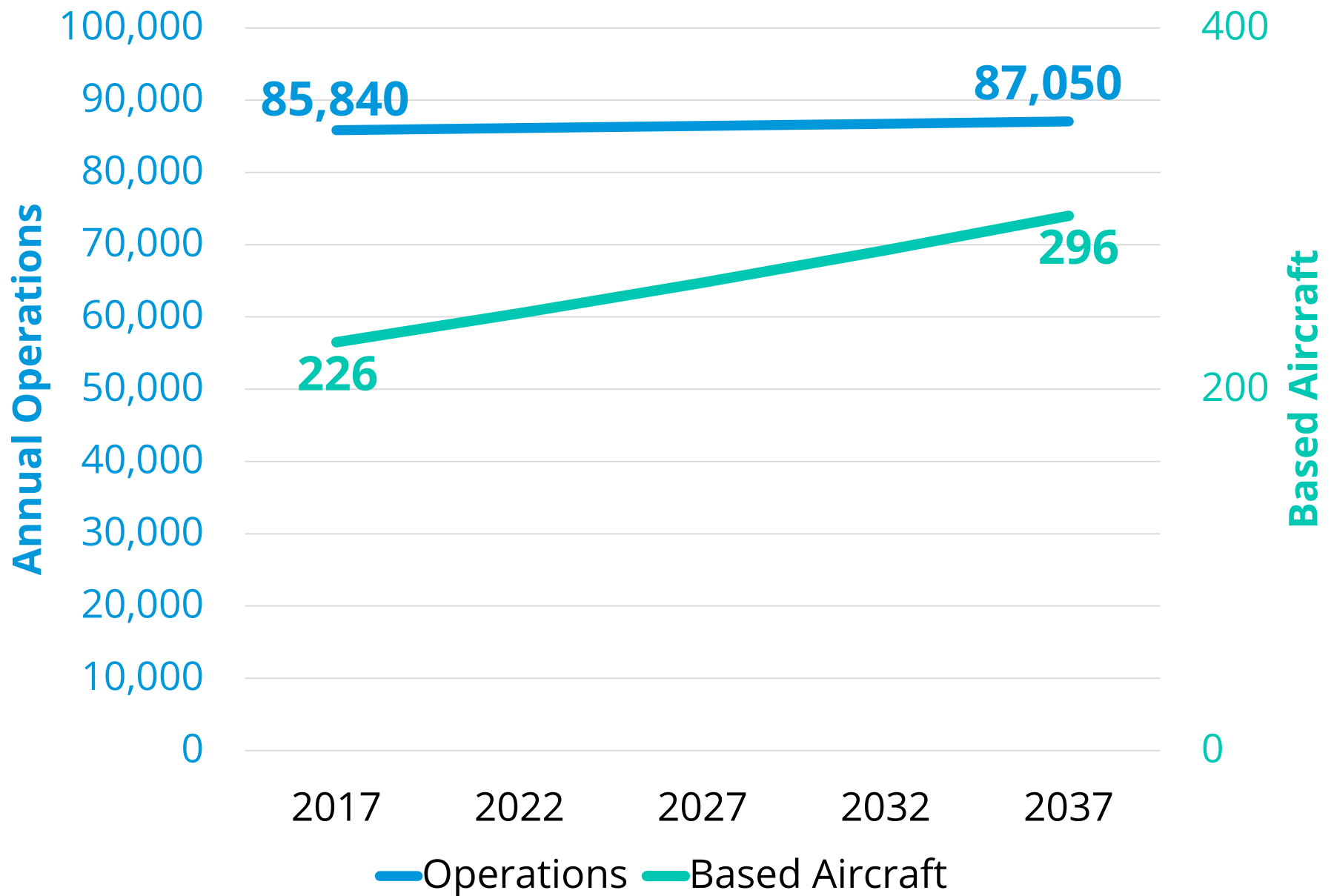


# Existing Noise Contours



# 3. Forecasts of Aviation Demand

# Aviation Demand Forecast



Approved by FAA on 8/2/2017



Airports

# Critical Aircraft

## Runway 8L/26R



Gulfstream 550



Lockheed C-130

## Runway 8R/26L



Beechcraft  
Baron 58

# 4. Facility Requirements

# Airside vs. Landside



 Airside  Landside

# Airside

# Annual Service Volume

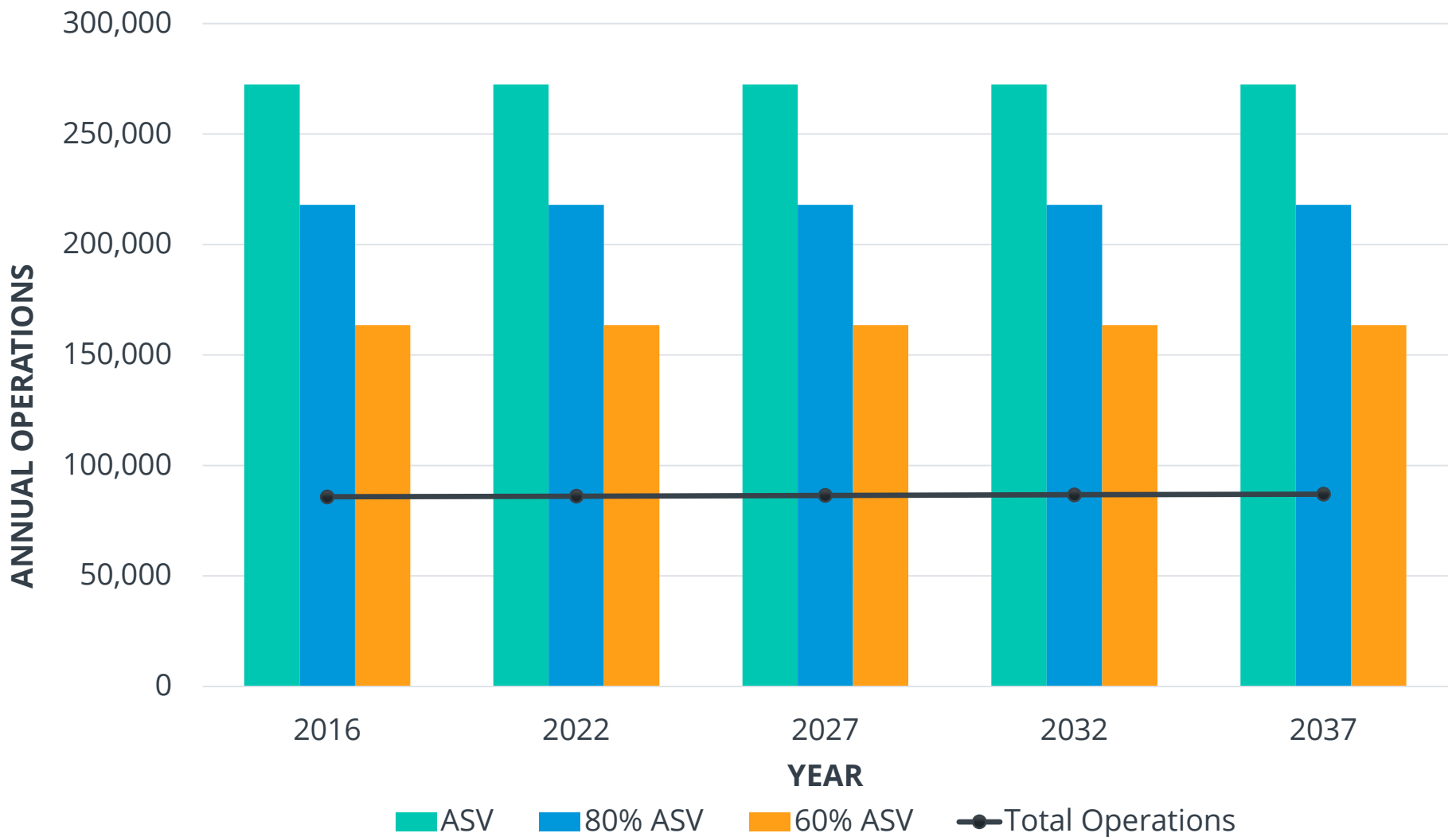
- **Annual Service Volume (ASV)** – Maximum number of annual operations that can occur at the airport before an assumed maximum operational delay value is encountered
- **60 percent of ASV** – The threshold at which planning for capacity improvements should begin.
- **80 percent of ASV** – The threshold at which planning for improvements should be complete and construction should begin.
- **100 percent of ASV** – The airport has reached the total number of annual operations it can accommodate, and capacity-enhancing improvements should be made to avoid extensive delays.



# ASV vs. Annual Demand

Year	Annual Operations	Annual Service Volume	Percent of Annual Service Volume
2016	85,780	262,870	32.65%
2022	85,840	262,870	32.77%
2027	86,443	262,870	32.88%
2032	86,746	262,870	33.00%
2037	87,050	262,870	33.12%

# ASV vs. Annual Demand



SDM is not forecast to require capacity driven airfield improvements within the 20-year forecast period



# Airside Deficiencies

## **Inadvisable Airfield Geometry**

- Taxiway A at Runway 26R threshold
- Blast pad prior to Runway 26L threshold

## **Holding Bays**

- Markings and area to maneuver safely

## **Instrument Approaches**

- $\frac{3}{4}$  SM Minimum on Runway 8L
- Straight-in approach procedure availability on Runway 26R

# Airside Planning Priorities



# Landside

# Aircraft Hangars



**Conventional/  
Box Hangar**

**T-Hangars**



# Aircraft Hangars

	2017 (Existing)	2022	2027	2032	2037
Conventional/ Box Hangar (SF)	130,000	53,400	55,800	58,200	63,200
T-Hangar (SF)	105,000	155,400	165,200	177,800	190,400

# Aircraft Parking Apron

	2017 (existing)	2022	2027	2032	2037
Itinerant Apron (Square Yards)	13,500	11,200	11,200	11,200	11,600
Based Apron (Square Yards)	36,500	20,100	21,600	23,400	24,900





# Terminal/Airport Administration Building



# Terminal/Airport Administration Building

	2017 (existing need)	2022	2027	2032	2037
Terminal Size Required (SF)	11,500	11,800	11,800	11,800	11,800

Existing Structure:  
12,600-square feet, not  
including old Tower

# Support Facilities



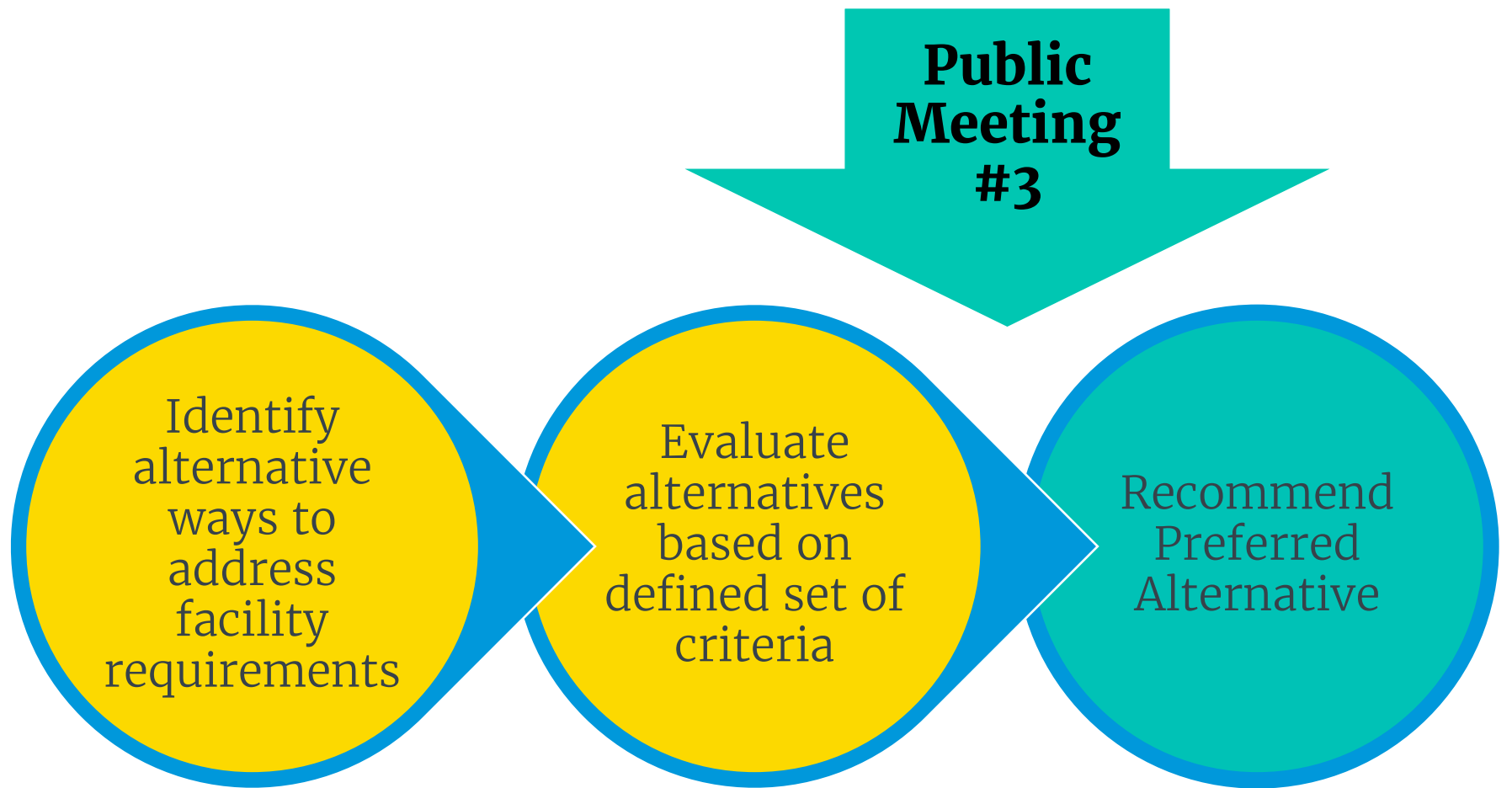
Source: <https://www.facebook.com/pg/EAChapter14/photos/>

- Aircraft Fueling
- Fencing
- Automobile Parking
- Access Roads
- Ancillary Facilities



# 5. Alternative Analysis

# Alternative Analysis



# Information Stations