WELCOME

Please Sign In

Project Contact: Wayne Reiter

Airports Division Program Manager

(858) 573-1436 | WReiter@sandiego.gov

SD Airports

For more information about the project, please visit

www.SDAirportPlans.com

Meeting Format

Airports

Project Team Introductions

SD Airports

Presentation Overview

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

SD Airports

1. Master Plan Overview, Purpose and Schedule

Airports

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

SD Airports

Project Schedule

We are here

Spring 2017 — **Summer 2018**

Existing Conditions Analysis

Forecasting & Facility Requirements

Alternatives Evaluation & FFA

Preferred Alternative & CEQA Analysis

Master Plan Adoption & ALP Approval

Ongoing Public Outreach

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

SD Airports

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

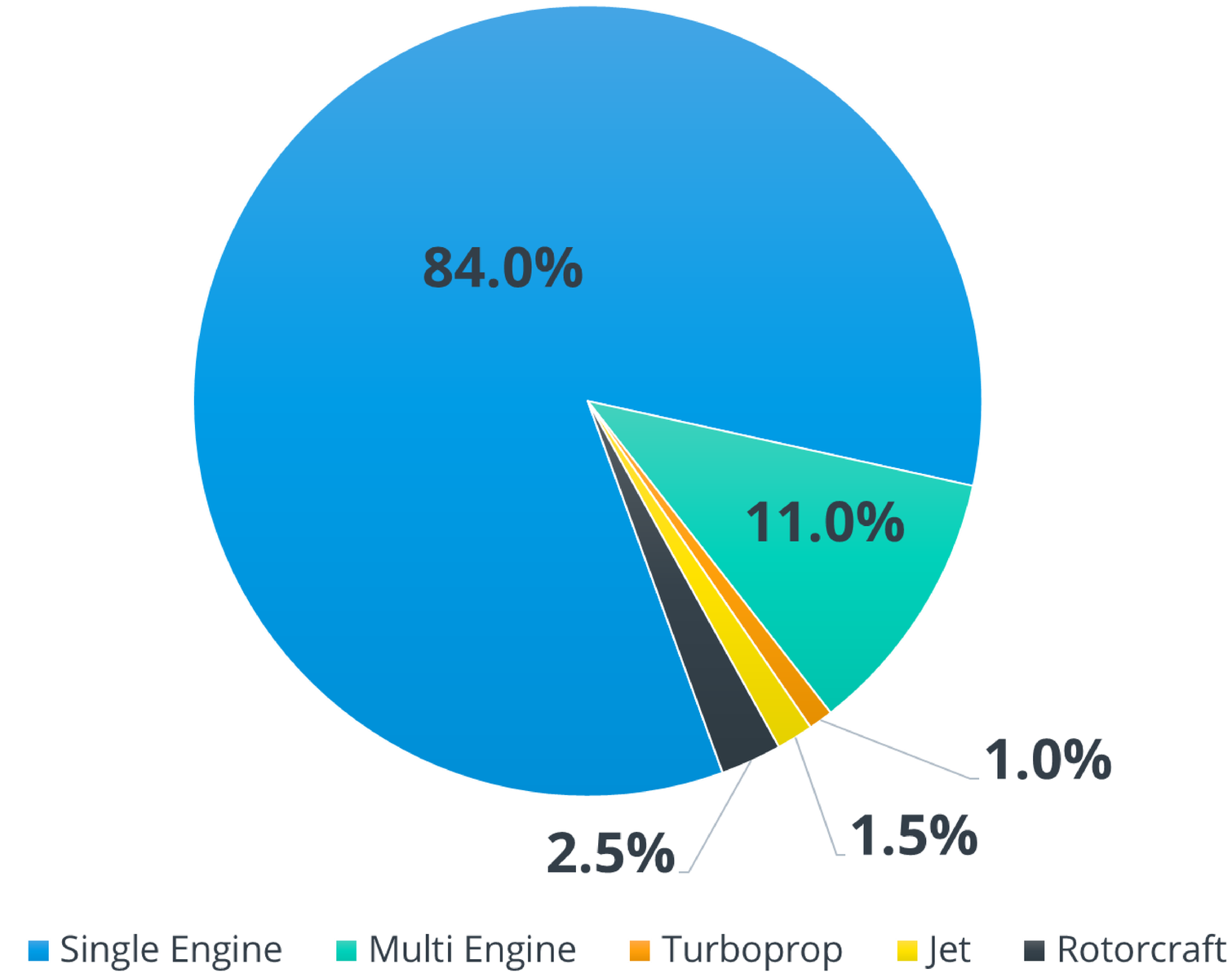
http://www.sdairportplans.com/

SD Airports

2. Existing Conditions

SD Airports

Based Aircraft

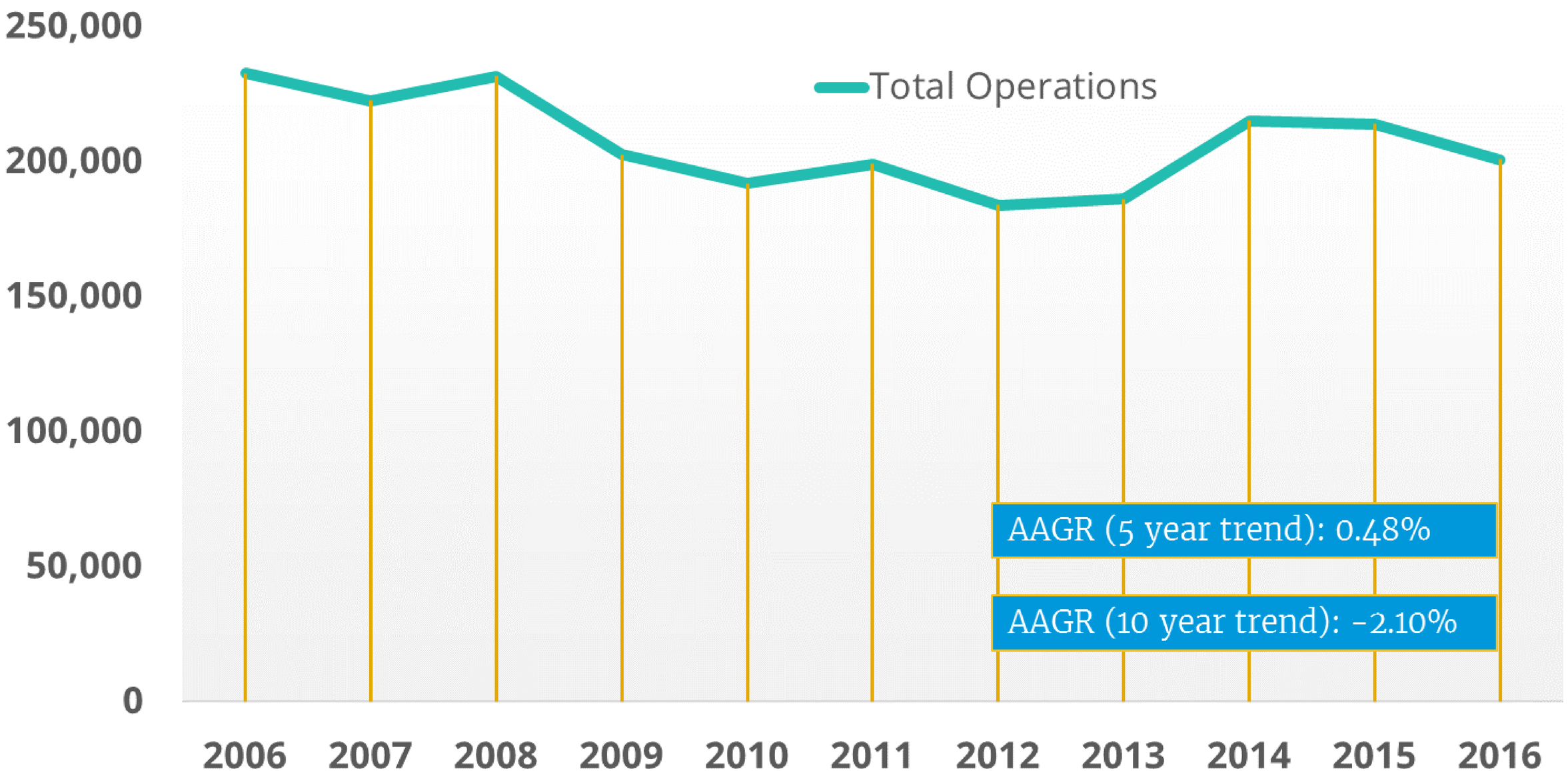


604 Based Aircraft in 2017

Source: National Based Aircraft Inventory

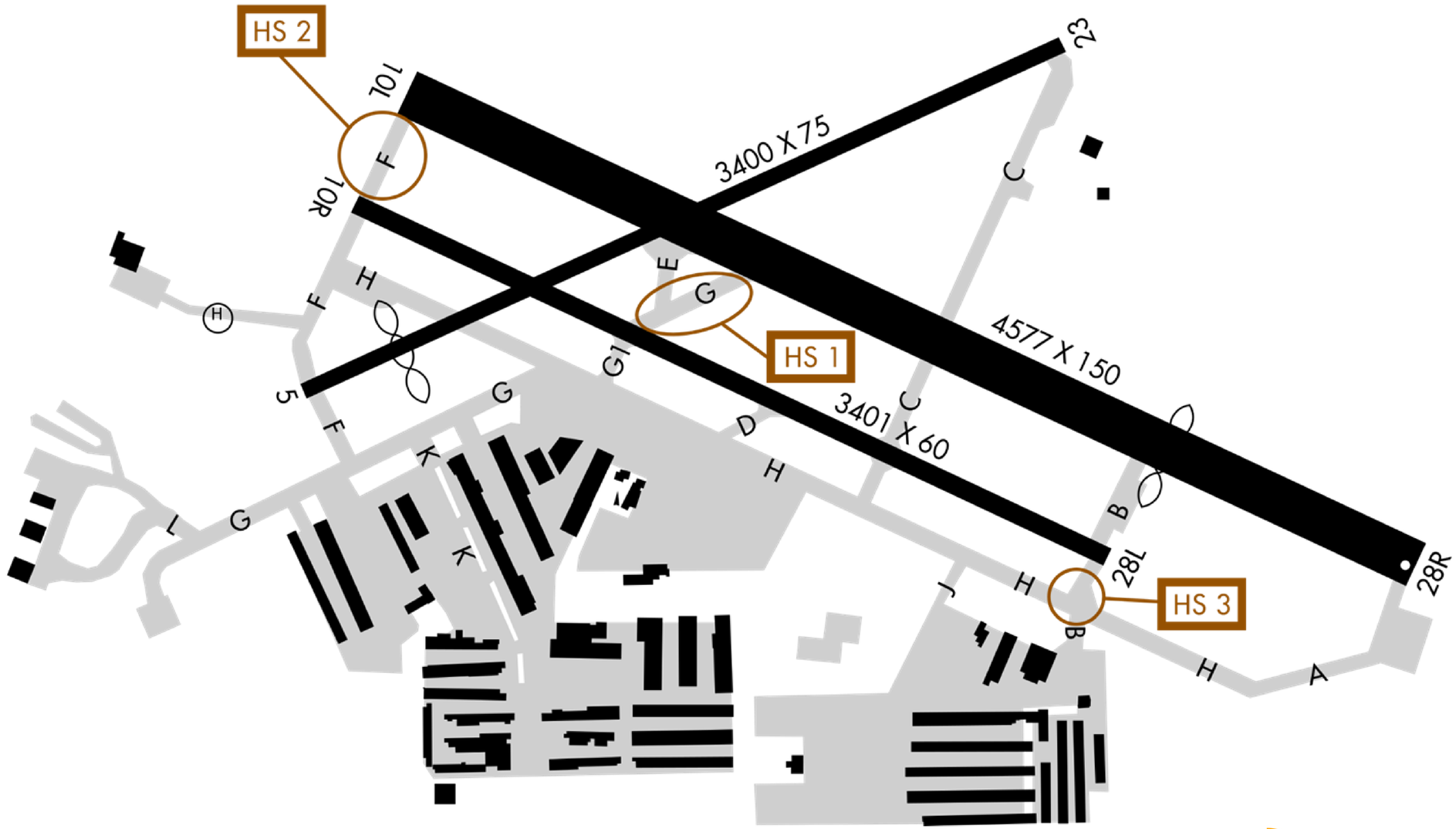
SD Airports

Historical Operations



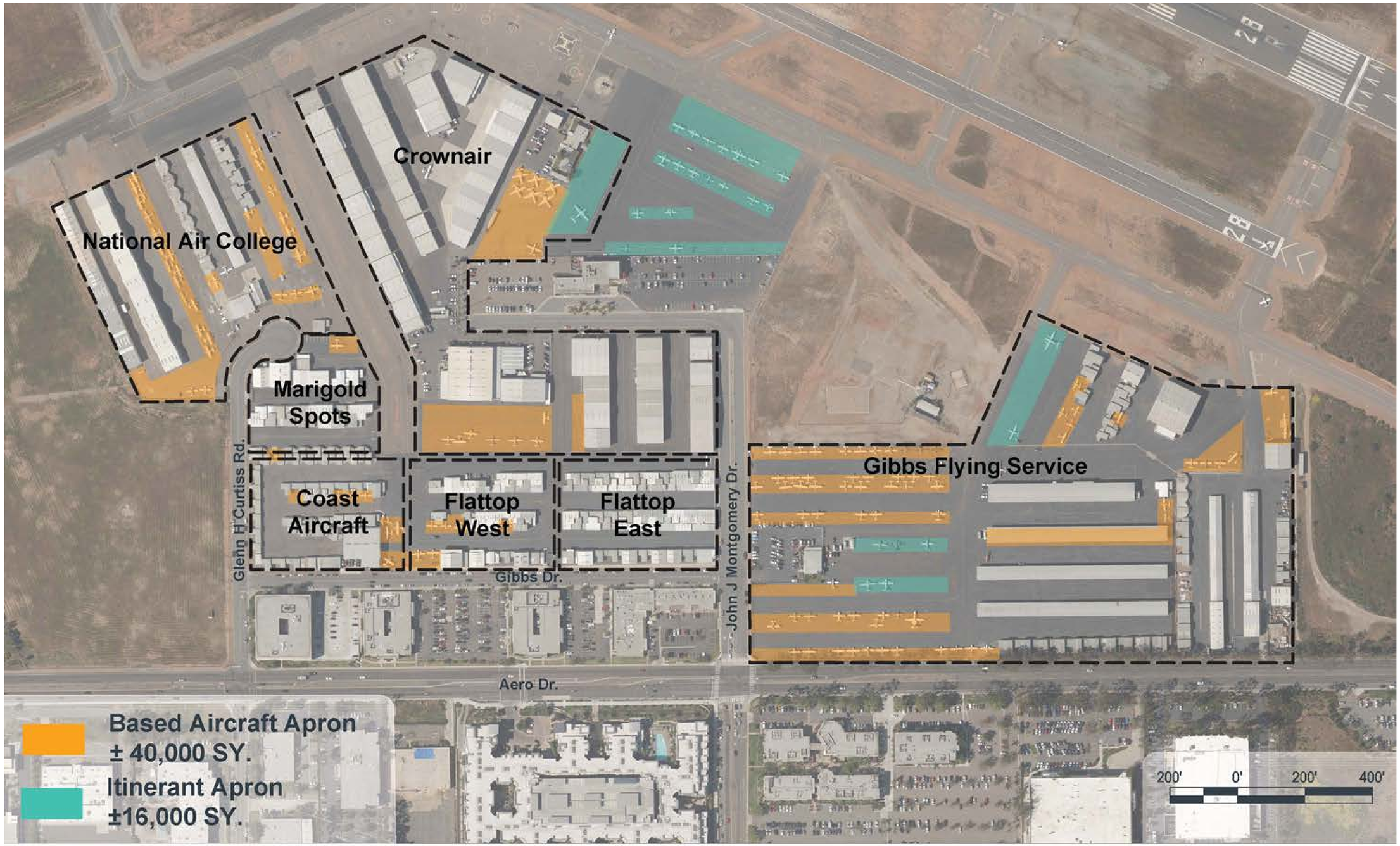
Source: 2017 FAA ATADS

Airfield Geometry



SD Airports

Facilities


National Air College
Crownair
Marigold Spots
Coast Aircraft
Flattop West
Flattop East
Gibbs Flying Service
Glenn H Curtiss Rd.
John J Montgomery Dr.
Gibbs Dr.
Aero Dr.
Based Aircraft Apron
± 40,000 SY.
Itinerant Apron
±16,000 SY.
200'
0'
200'
400'

Public Input

Services

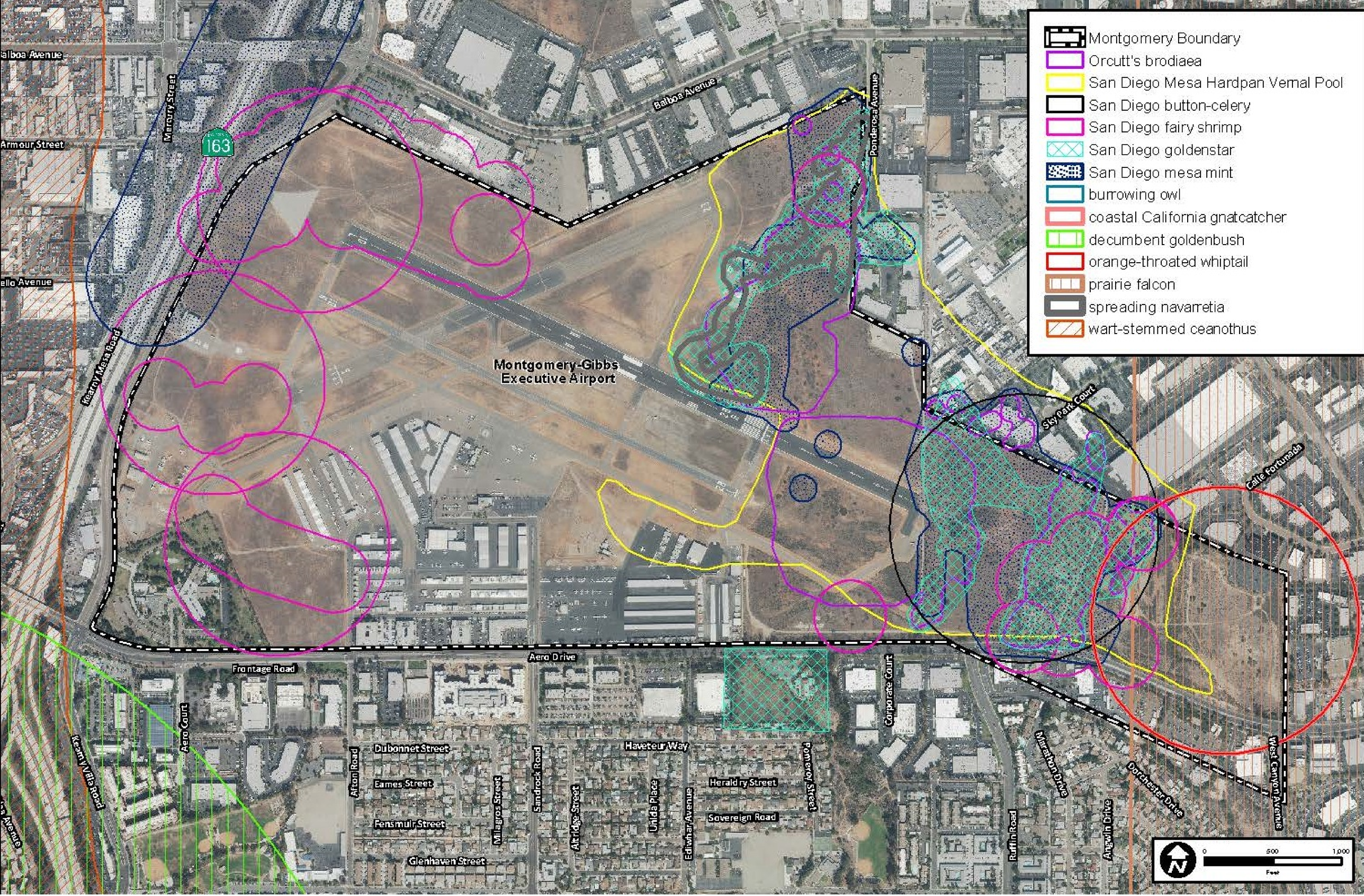
- Keep user balance
- Become more business friendly
- Enhanced Fixed-Based-Operator (FBO) services

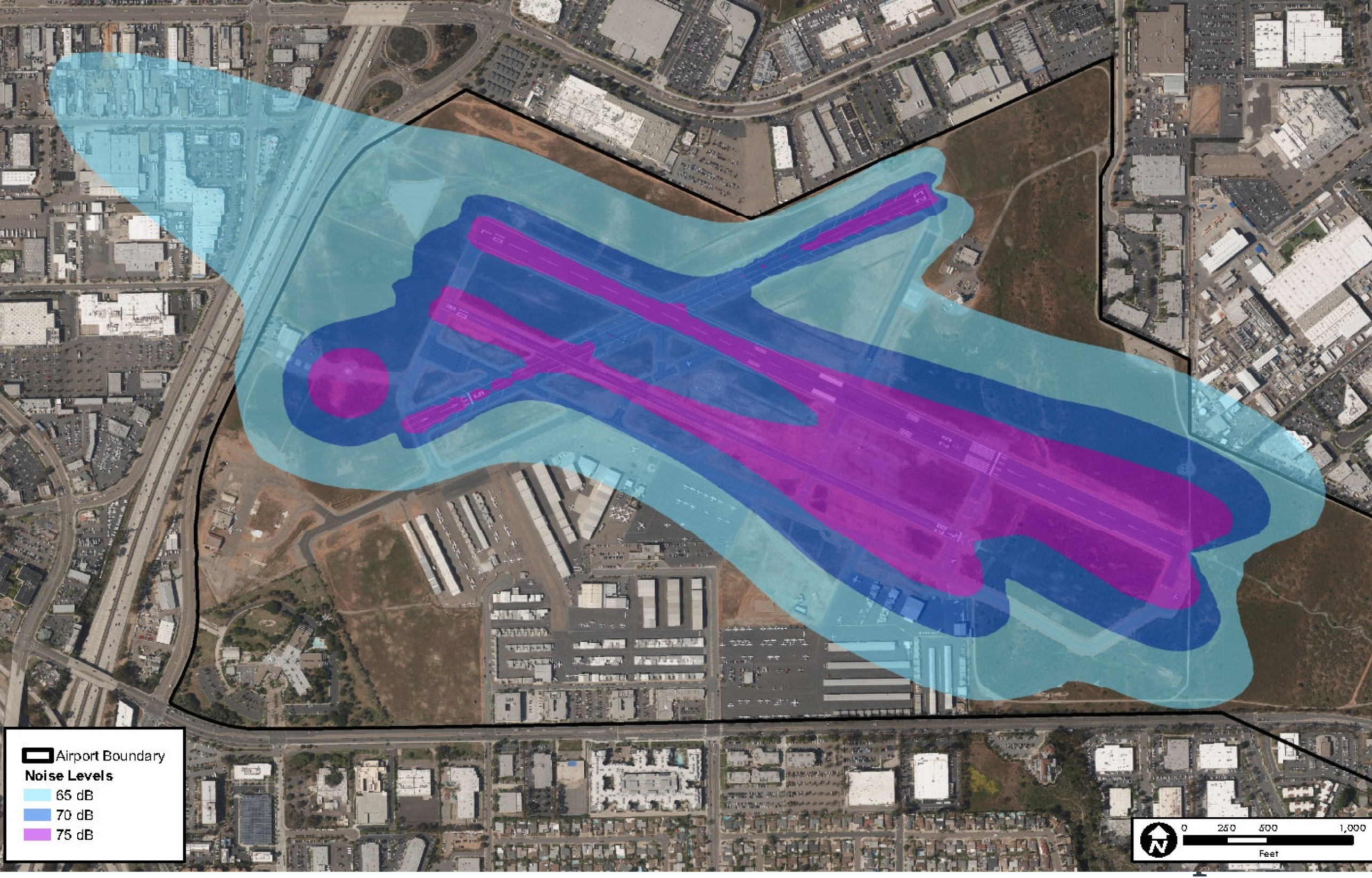
Facilities

- Additional hangar space
- Viewing area
- Aircraft wash racks

Environmental Overview

SD Airports

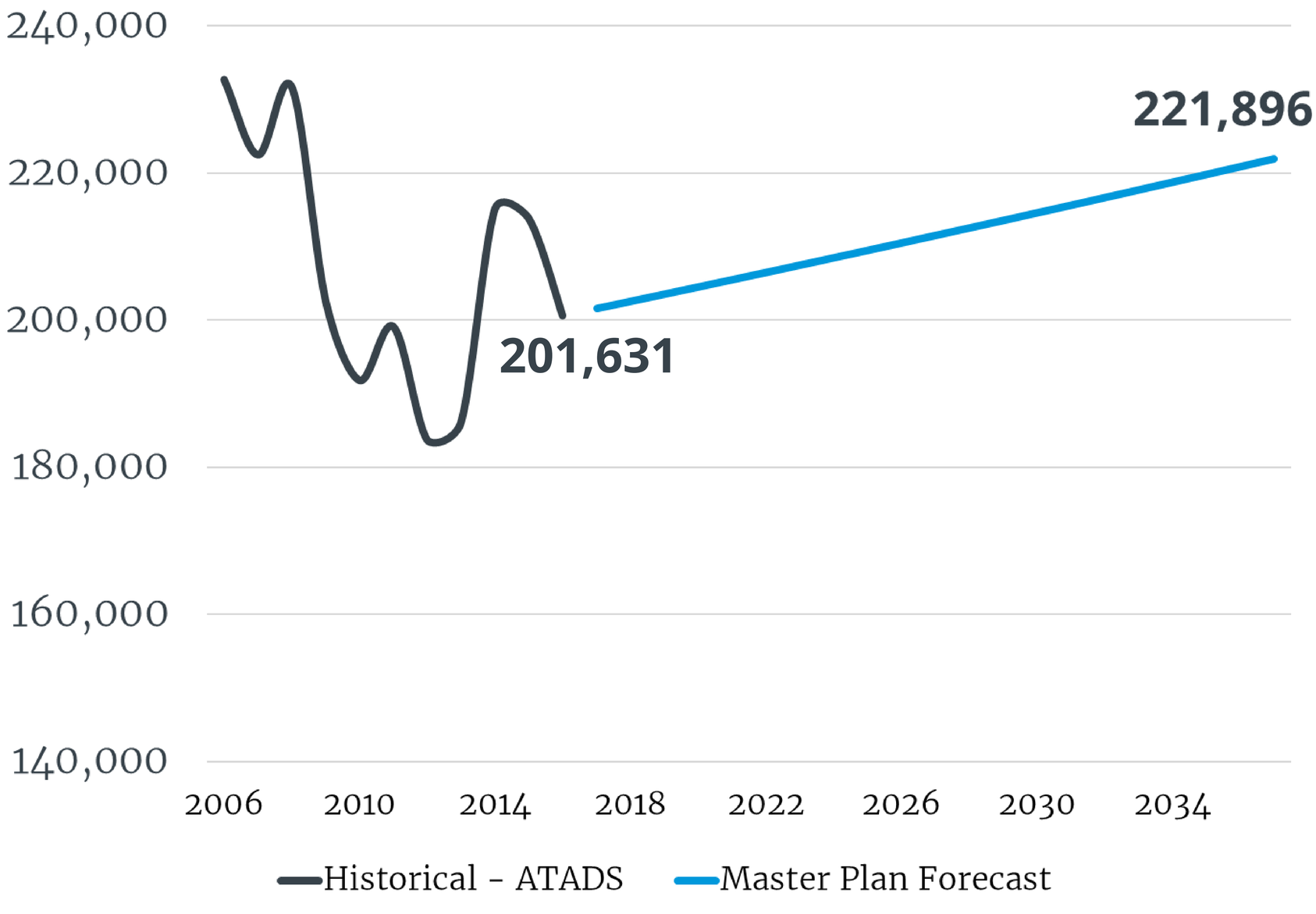

Montgomery Boundary
Orcutt's brodiaea
San Diego Mesa Hardpan Vernal Pool
San Diego button-celery
San Diego fairy shrimp
San Diego goldenstar
San Diego mesa mint
burrowing owl
coastal California gnatcatcher
decumbent goldenbush
orange-throated whiptail
prairie falcon
spreading navarretia
wart-stemmed ceanothus
Montgomery-Gibbs Executive Airport
Balboa Avenue
Mercury Street
Armour Street
163
Kearny Mesa Road
Ponderosa Avenue
Sky Park Court
Calle Fortunada
Aero Drive
Frontage Road
Aero Court
Kearny Villa Road
Dubonnet Street
Eames Street
Pensmuir Street
Glenhaven Street
Afton Road
Milagros Street
Sandrock Road
Altridge Street
Urida Place
Ediwhar Avenue
Haveteur Way
Heraldry Street
Sovereign Road
Corporate Court
Ruffin Road
Marathon Drive
Angwin Drive
Dorchester Drive
West Canyon Avenue
0
500
1,000
Feet


Airport Boundary
Noise Levels
65 dB
70 dB
75 dB
0
250
500
1,000
Feet

3. Forecast of Aviation Demand

Airports

Forecast of Aviation Demand



Approved by FAA on 7/26/17

SD Airports

Critical Aircraft

Cessna 421 Golden Eagle

Beechcraft King Air 350

SD Airports

4. Facility Requirements

SD Airports

Airside

Landside

Airside

SD Airports

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

SD Airports

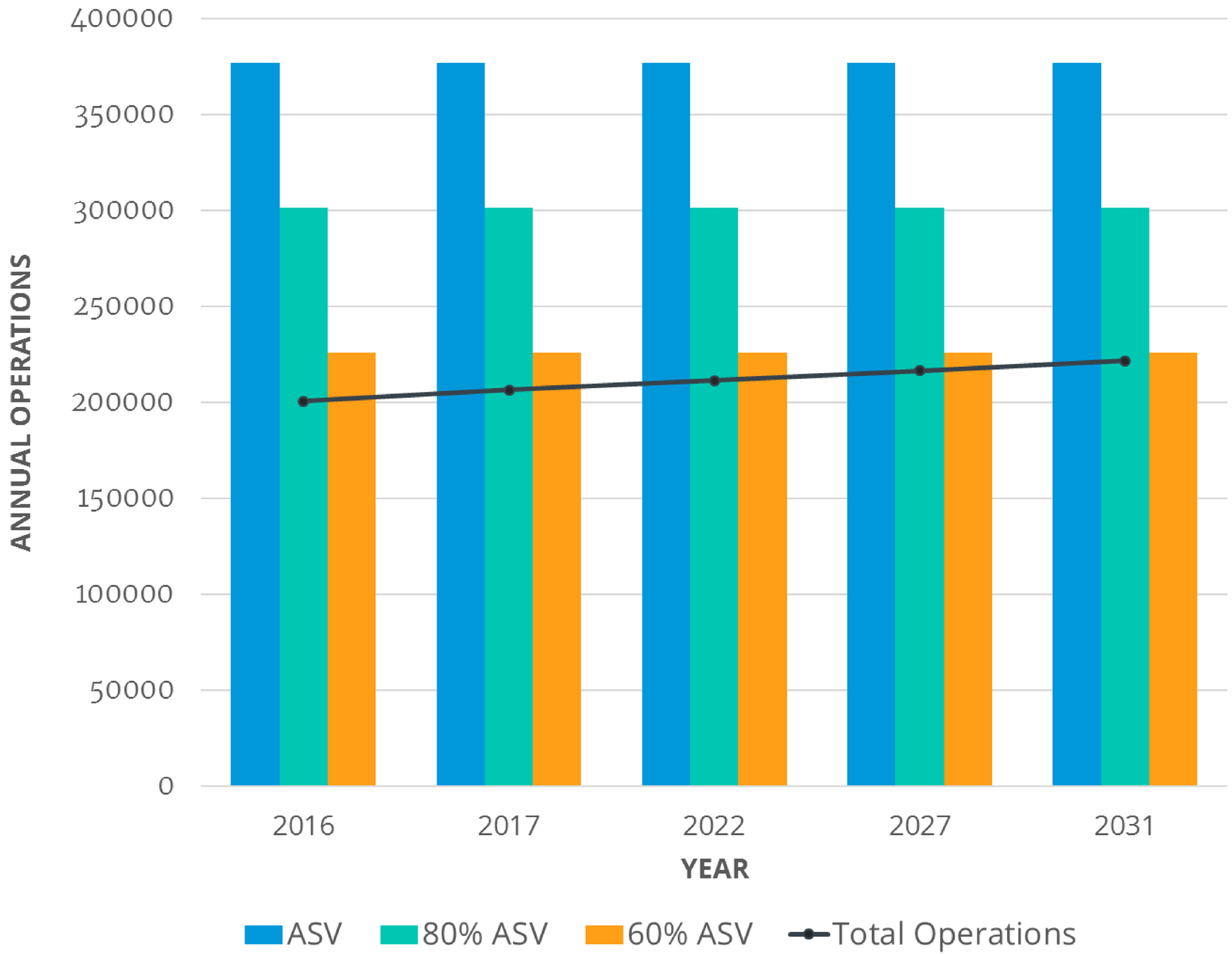
ASV vs. Annual Demand

Year	Forecast Annual Operations	Annual Service Volume	Percent of Annual Service Volume
2016	200,668	377,069	53.22%
2022	206,517	377,069	54.77%
2027	211,521	377,069	56.10%
2032	216,647	377,069	57.46%
2037	221,896	377,069	58.85%

Sources: FAA AC 150.5060-5, Airport Capacity and Delay
Analysis by Atkins, 2017

SD Airports

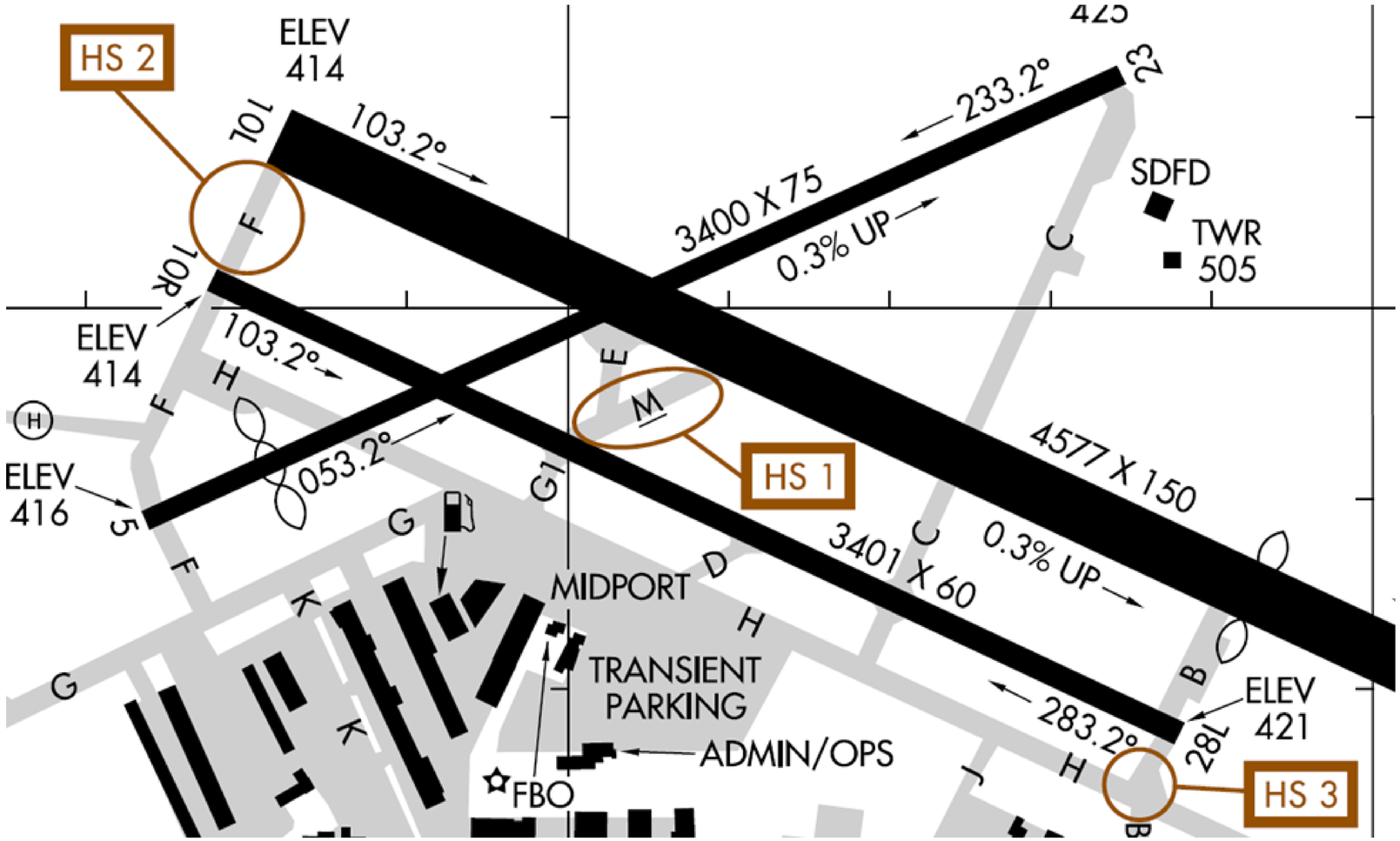
ASV vs. Annual Demand



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

SD Airports

Airfield Deficiencies



Airfield Hot Spots

1. Taxiway E intersecting multiple runways
2. “Y” configuration of the E & M crossing
3. Direct access from an apron to Runway 10R-28L

SD Airports

Airfield Deficiencies

Four Holding Bays

- Holding bay deficiencies
  - Lack of markings
  - Insufficient taxiway wingtip clearance
  - Insufficient depth
  - Insufficient safety area clearance

Runway Length

- No identified deficiencies. Current runway pavement length meets the needs of current and future forecasted fleet mix
- Runway thresholds will be evaluated in the alternatives analysis to determine if improvements can be made to Runway 28, and Runway 5

SD Airports


RUNWAY 5-23
RUNWAY 10L-28R
RUNWAY 10R-28L
TAXIWAY F
TAXIWAY E
TAXIWAY M
TAXIWAY C
TAXIWAY G
TAXIWAY G1
TAXIWAY H
TAXIWAY D
TAXIWAY L
TAXIWAY K
TAXIWAY B
TAXIWAY A
FAA HOT SPOTS
DISPLACED THRESHOLD
HOLDING BAYS

Landside

SD Airports

Typical Hangar Types

Conventional / Box Hangar

T-Hangar

Aircraft Hangars

	2017 (Existing)	2022	2027	2032	2037
Conventional/ Box Hangar (SF)	**235,000**	183,400	184,600	184,600	185,800
T-Hangar (SF)	**334,000**	**364,000**	**364,000**	**368,200**	**369,600**

SD Airports

Aircraft Parking Apron

	2017 (Existing)	2022	2027	2032	2037
Itinerant Apron (SY)	20,000	38,000	38,800	40,000	41,200
Based Apron (SY)	40,000	40,200	40,400	40,600	40,600

SD Airports

Terminal/Airport Administration Building

SD Airports

Terminal/Airport Administration Building

	2017 (Existing)	2022	2027	2032	2037
Terminal Size Required (SF)	16,600	21,450	27,750	22,500	22,950

SD Airports

Support Facilities

- Aircraft Fueling
- Fencing
- Aircraft Wash Rack
- Automobile Parking
- Non-Aeronautical

SD Airports

5. Alternatives Analysis

SD Airports

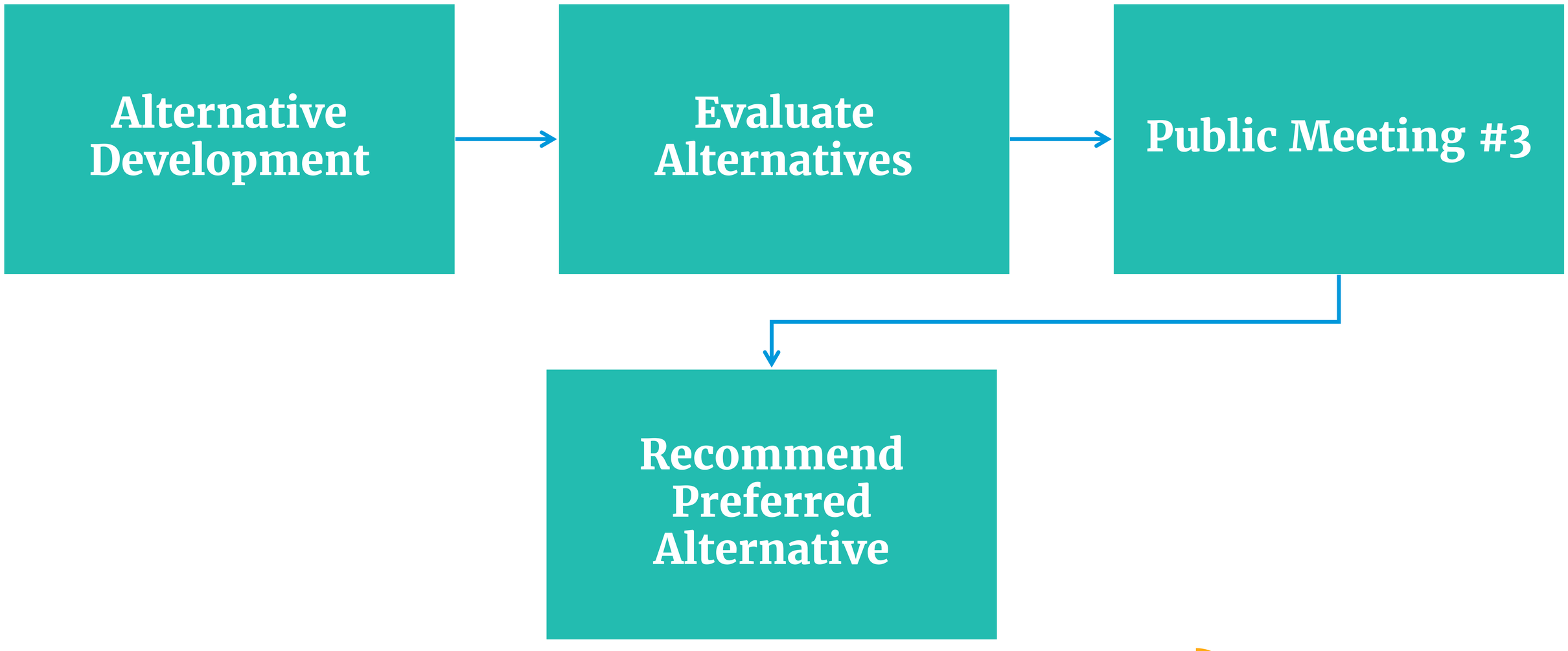
Alternatives Analysis

SD Airports

6. Next Steps

SD Airports

Next Steps



SD Airports

Information Stations

SD Airports