



SLC AIRPORT MASTER PLAN UPDATE

07/17/19





Master Plan Public Information Meeting
Starting Soon



The New SLC Update

Master Plan Overview

Project Tasks

Visioning

Existing Conditions

Aviation Activity Forecast

Next Steps



Salt Lake City International Airport



- More than 26 million passengers per year...and growing
- Approx. 378 daily departures to 98 nonstop destinations
- Non-stop European flights: Amsterdam, London, Paris
- Hub for Delta Air Lines
- 23rd busiest airport in North America
- 85th busiest airport in the world
- Rank number two for on-time departures/arrivals
- Recipient of national award for snow removal
- Building The New SLC!



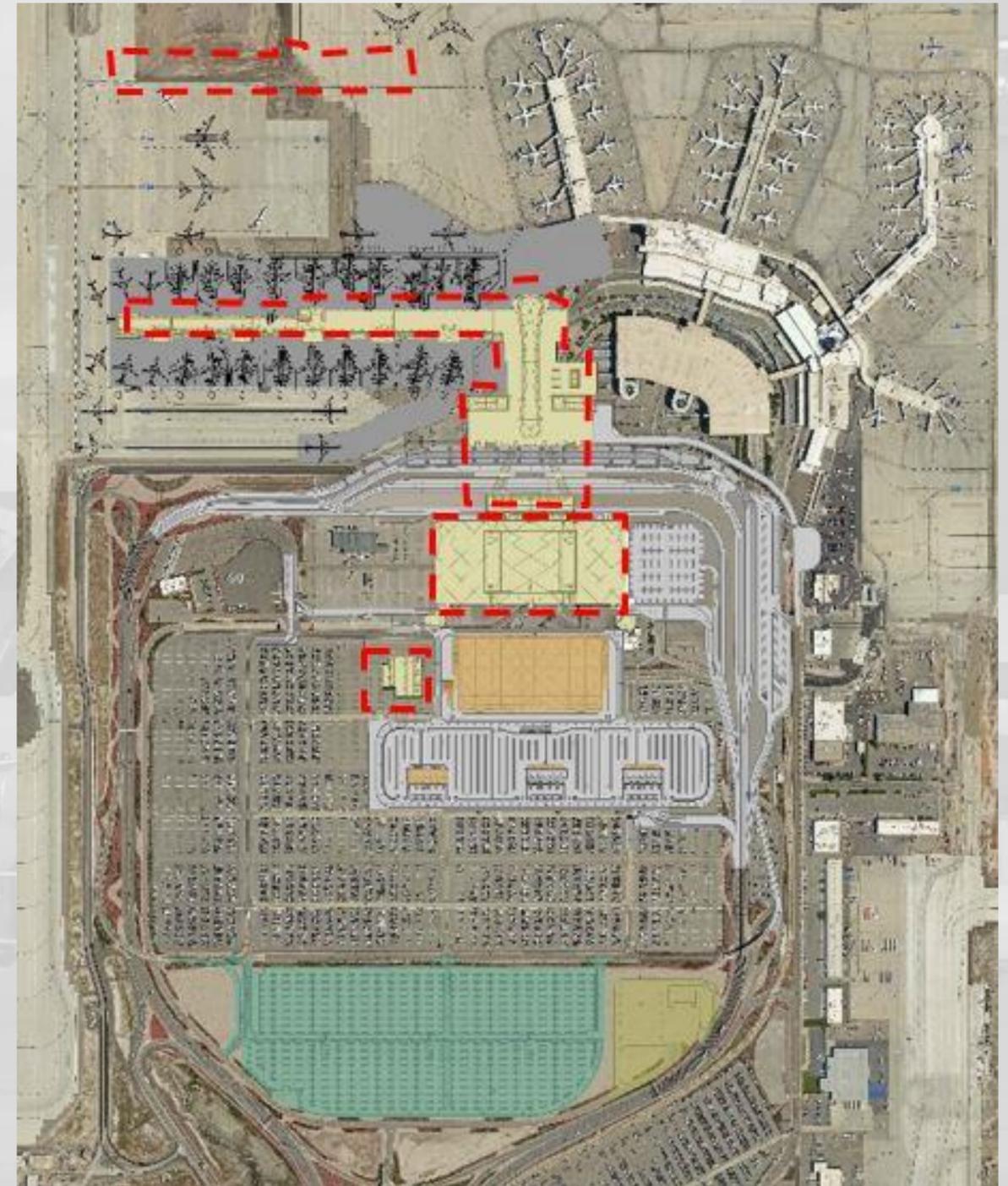
The New SLC – Goals and Expectations

- Address Seismic Risk
- Provide Right-Sized Facilities
- Solve Operational Problems
- Improve Customer Service
- Accommodate Growth
- Maintain Competitive Cost
- Phased Implementation



The New SLC – Timeline: Phase 1 Completed by 2020

- Terminal/South Concourse West
- Gateway Center/Parking Garage
- Central Utility Plant
- Elevated roadway and TRAX realignment
- First Phase of the North Concourse



The New SLC – Where is the project now?

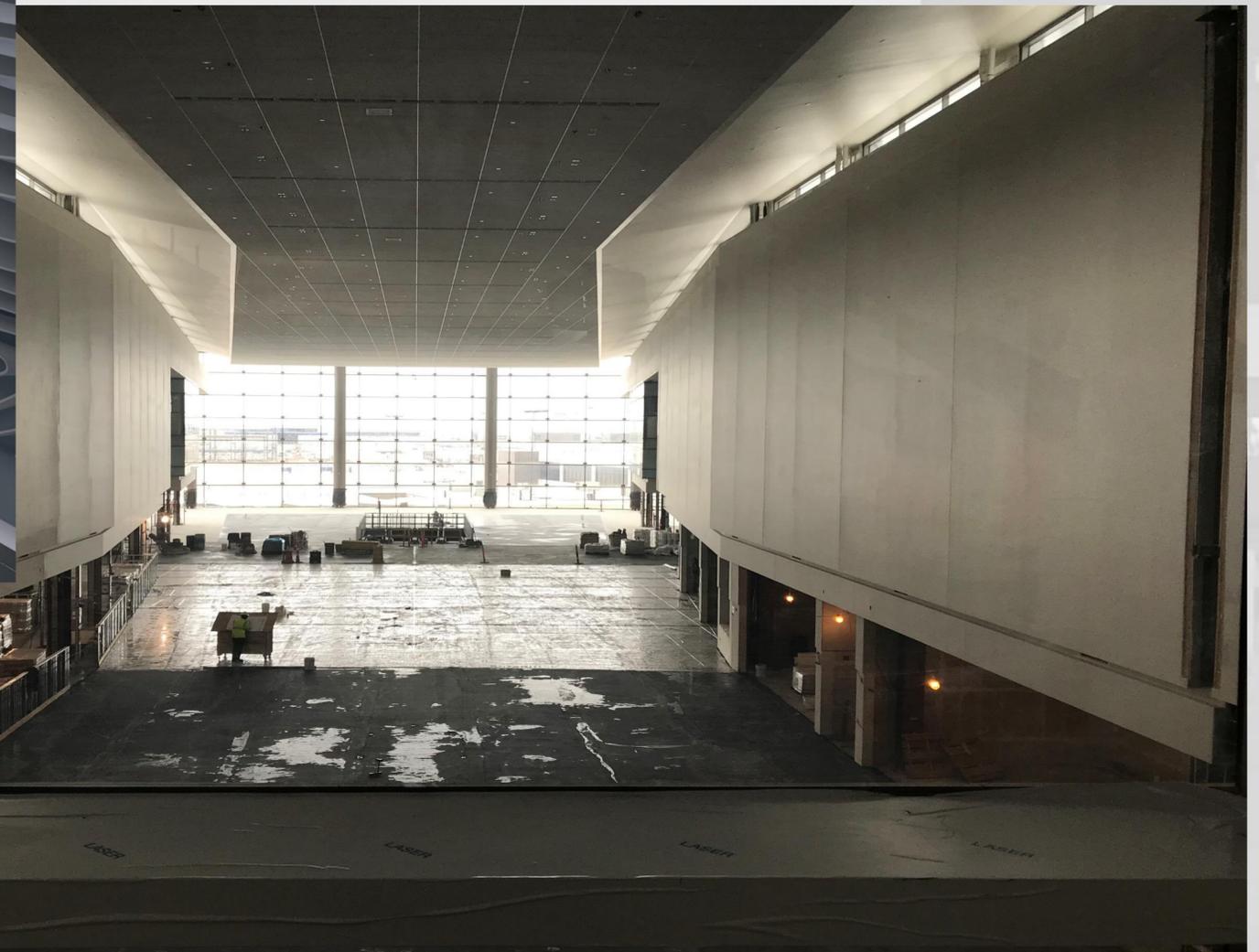
- Completed South Parking Lot
- Completed Rental Car Facilities (QTA and Rental Service Sites)
- Connected the Mid-Concourse Tunnel to the North and South Concourses
- Completed steel erection on the Parking Garage, North and South Concourses and the Terminal
- Completed the Central Utility Plant
- Interior work well underway



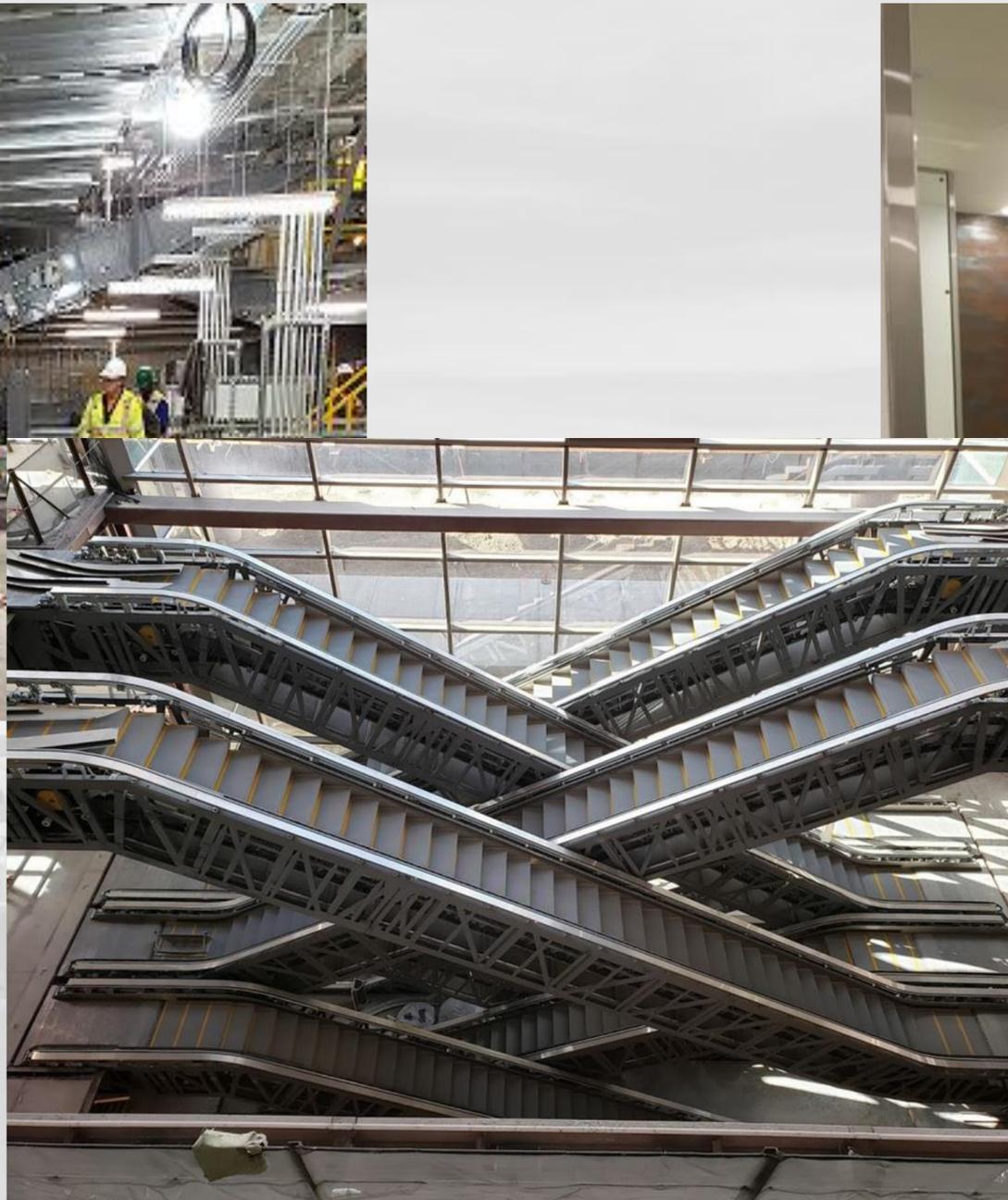
The New SLC – Where is the project now?



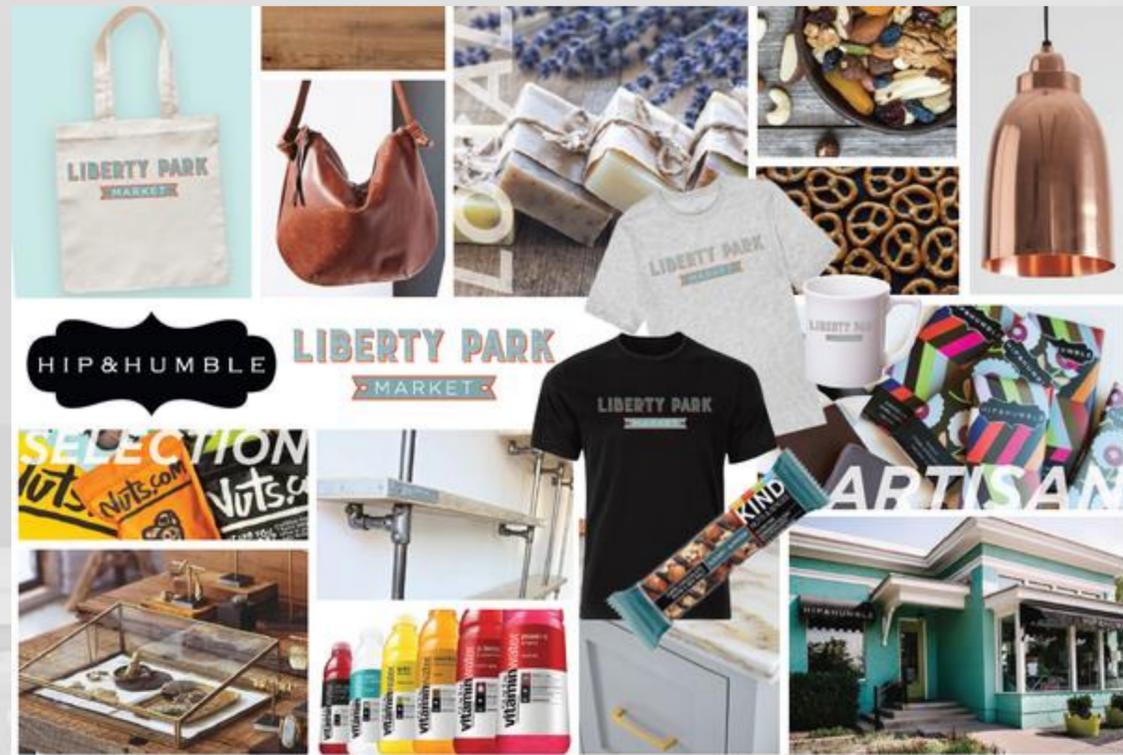
The New SLC – The Plaza (Level 2)



The New SLC – Where is the project now?



The New SLC – Retail & Restaurant Announcement

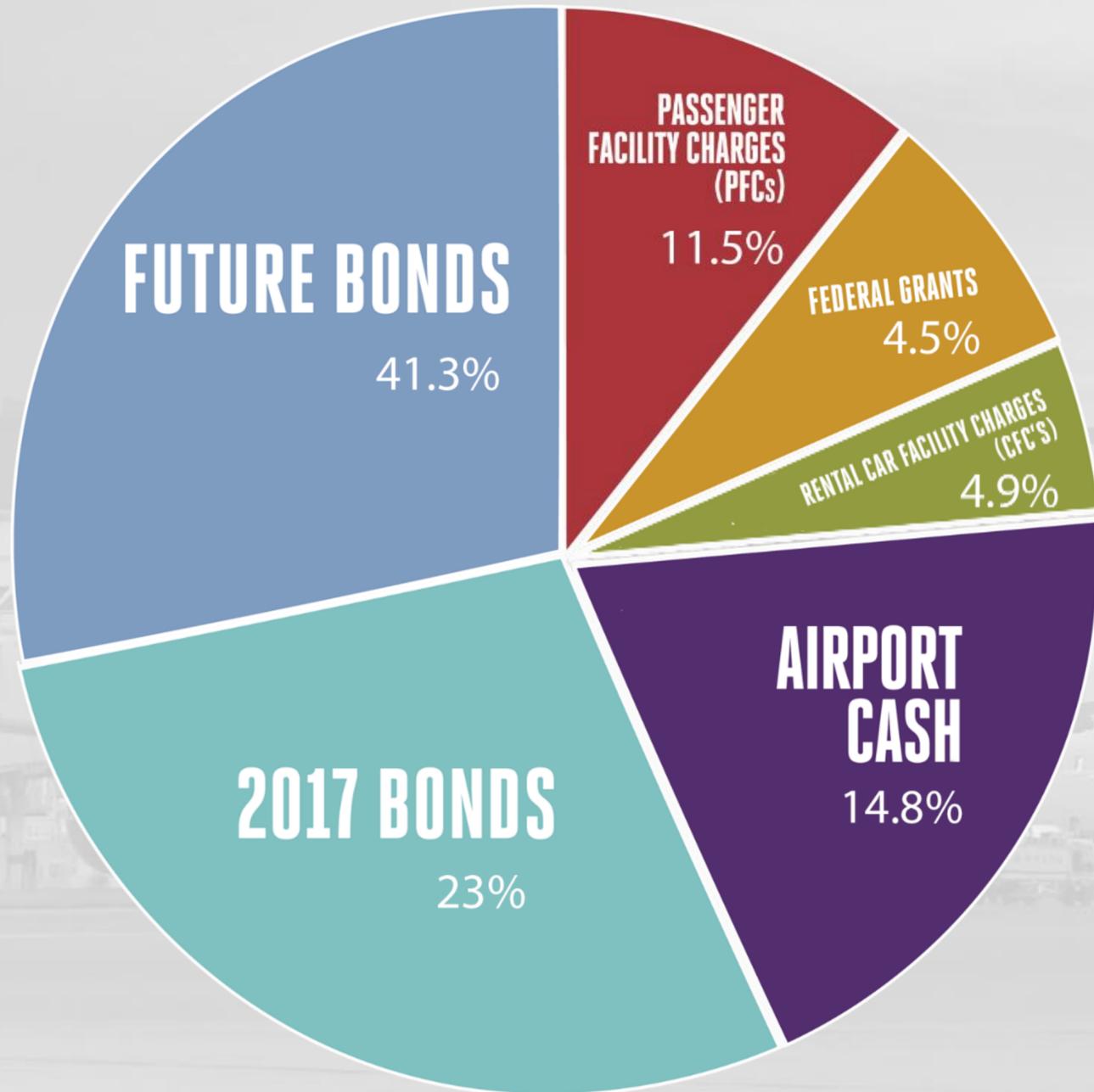


Project Statistics



Airport Redeveloping Program Trade Staffing							
1,787 Trade Workers on Site							
6,422,115 Hours Worked to Date							
Contract Local/Non-Local Awarded Statistics							
Local Trades				Dollar Value		Trade Count	
						Percentage	
Total Local (Wasatch Front) Contractors				\$1,059,074,695		102	
Total Out of State Contractors				\$531,383,212		21	
Total Contract Awards				\$1,590,457,907		123	
Contract Union/Merit Shop Awarded Statistics							
Union Trades				Dollar Value		Trade Count	
						Percentage	
Total Union Contractors				\$610,937,898		31	
Total Merit Shop Contractors				\$979,520,009		92	
Total Contract Awards				\$1,590,457,907		123	

How will The New SLC be paid for?



No local tax dollars are funding
The New SLC



What is a Master Plan?



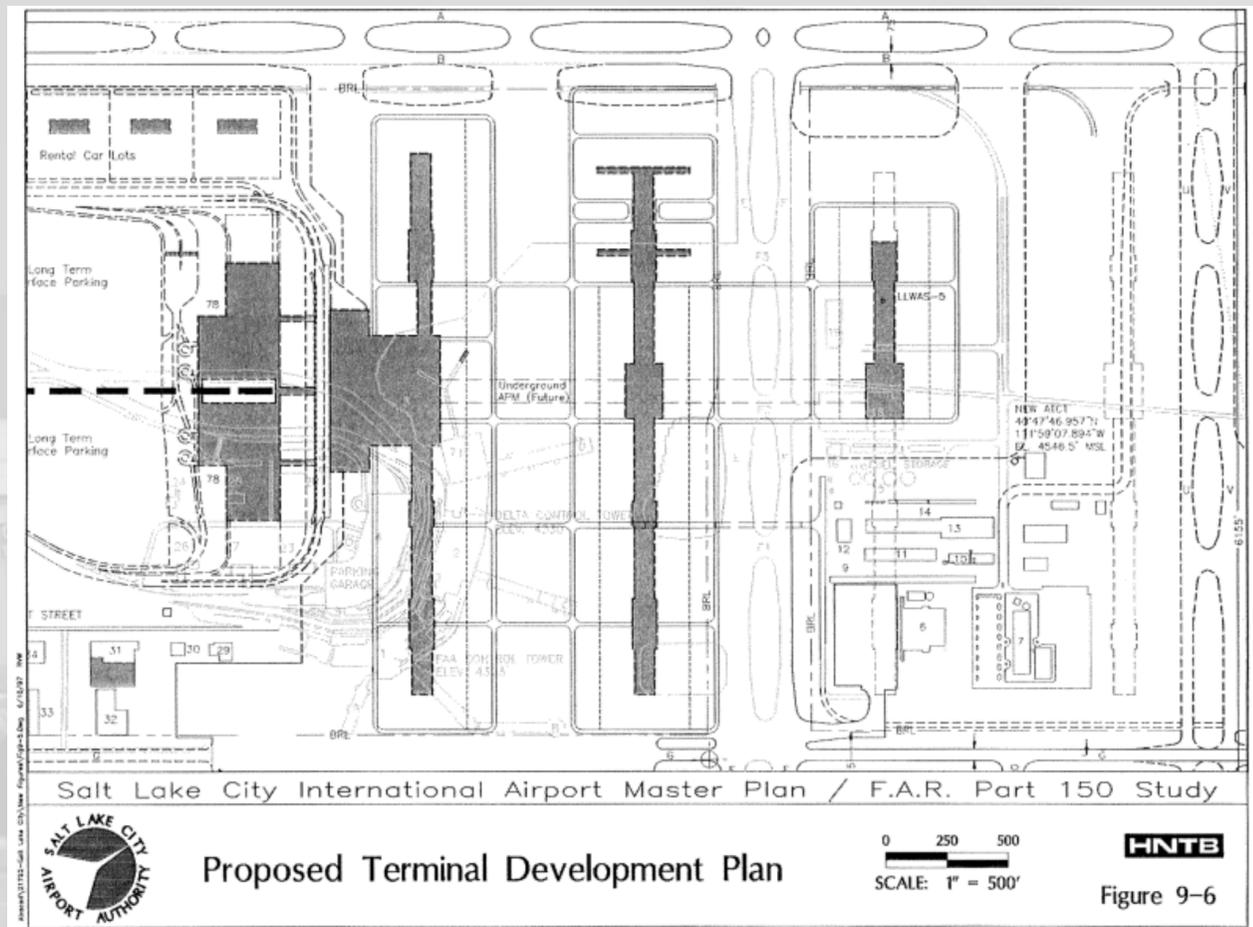
“An airport master plan is a comprehensive study of an airport and usually describes the short-, medium-, and long term development plans to meet future aviation demand.”

-FAA Advisory Circular 150/5070-6B Airport Master Plans

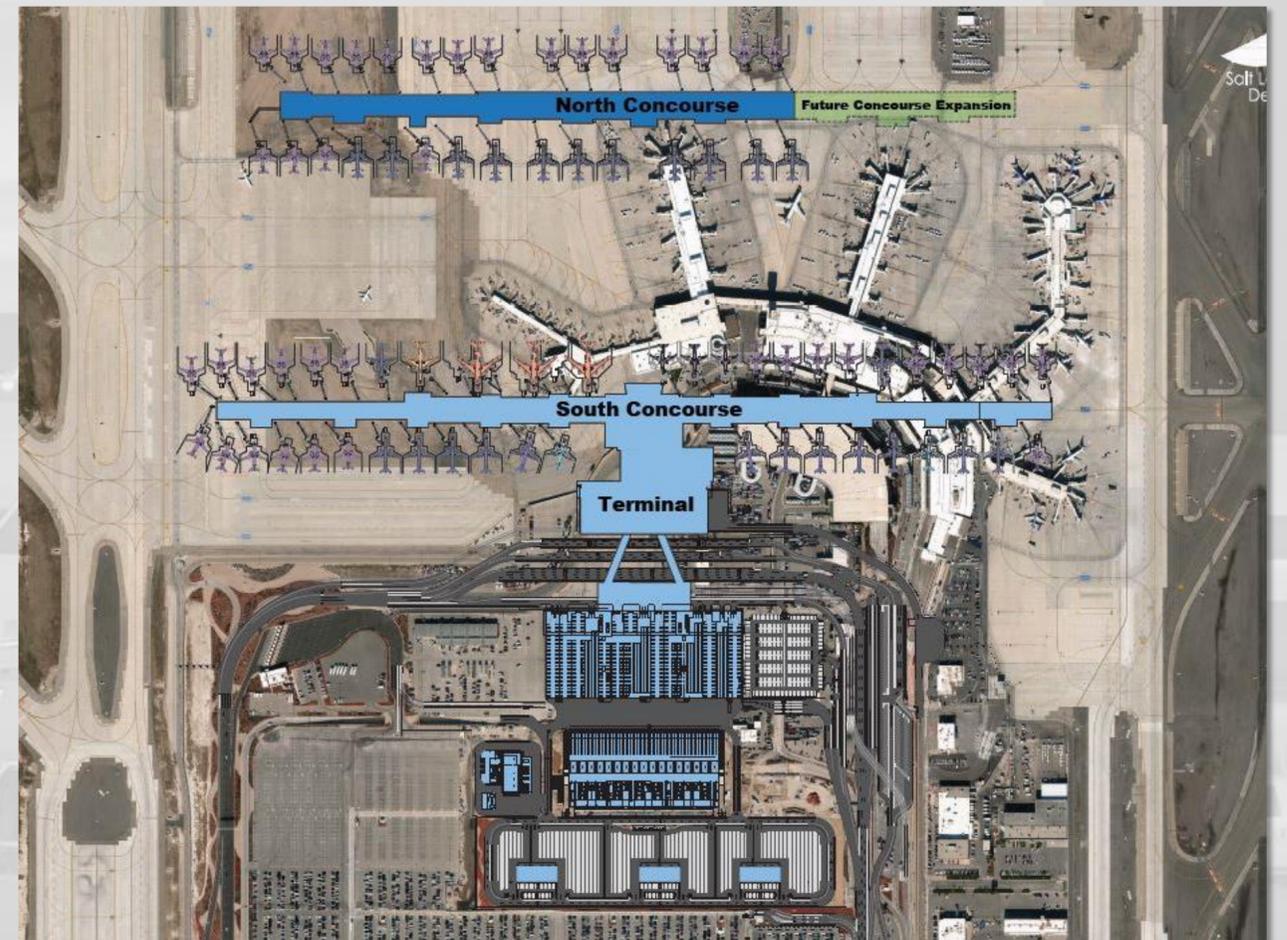
Why is a Master Plan important?



1998 Master Plan



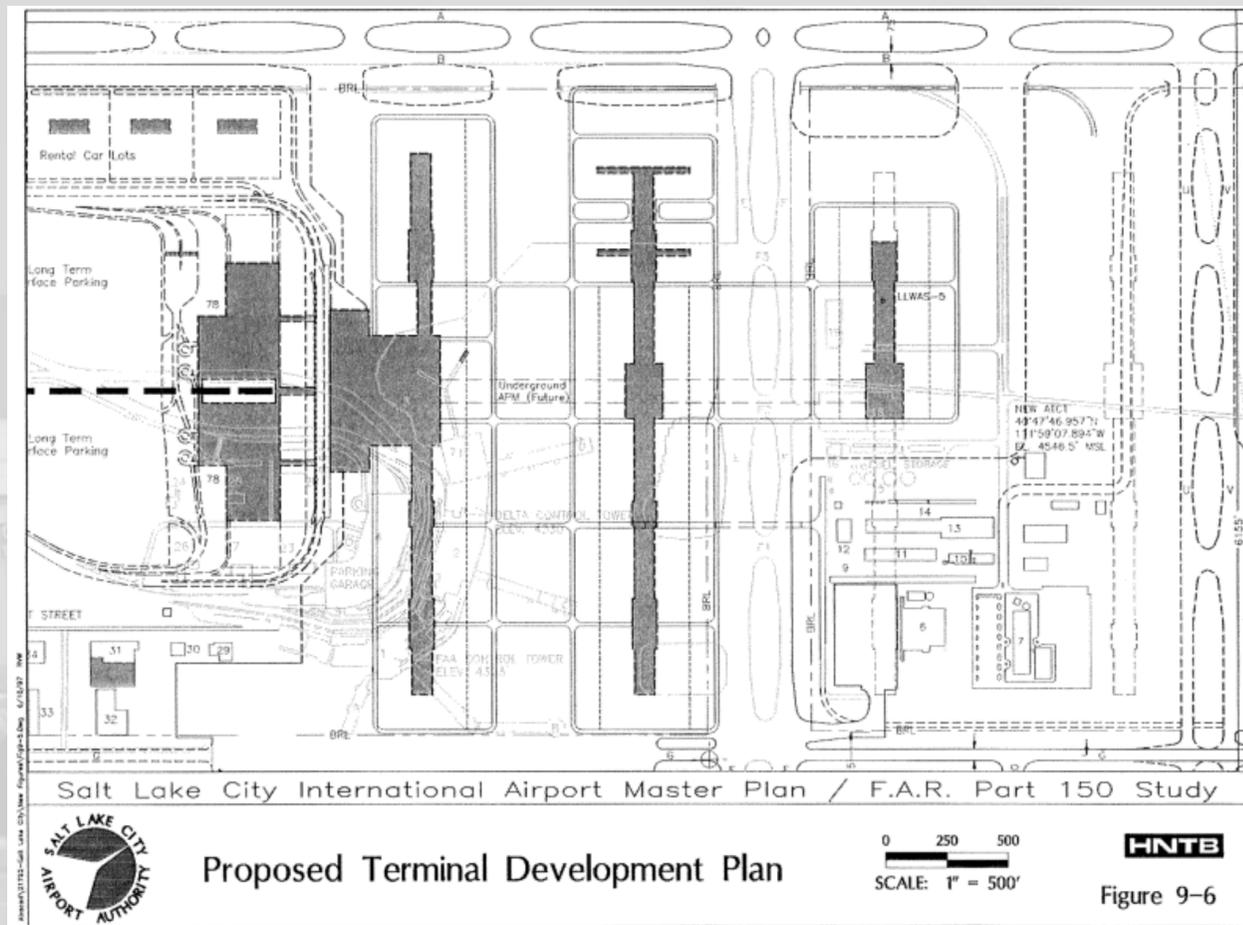
Today Being Realized!



Why is a Master Plan important?



1998 Master Plan



Evaluated 11 terminal concepts

Evaluation Criteria

Cost

Impact to Operations

User Convenience

Expandability

Stakeholder involvement

Why is a Master Plan important?

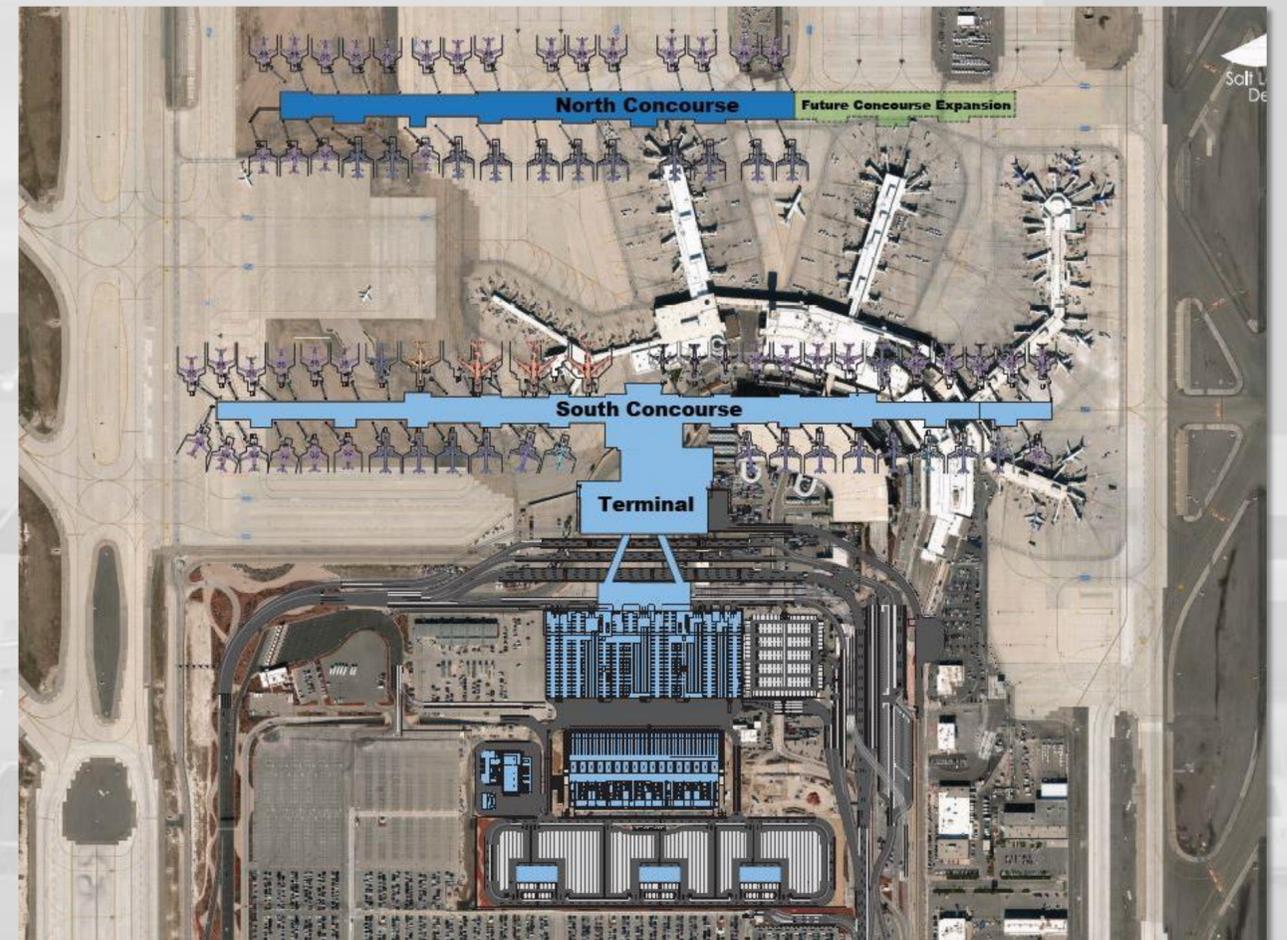


Today Being Realized!

Concourse tunnel built 15 years ago
Made construction possible

Phased construction limited impact to
operations

Only minor revisions to original concept



What is the Master Plan process?



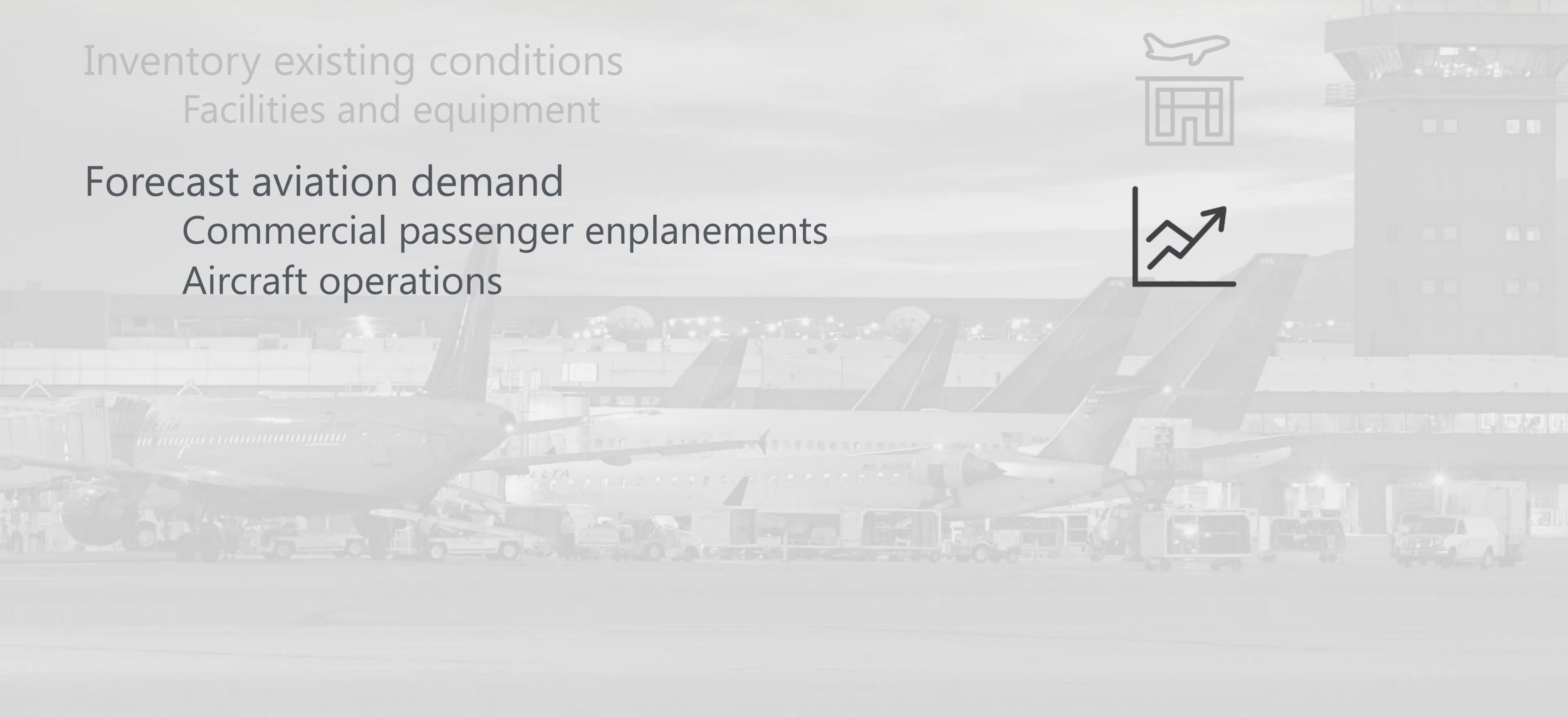
Inventory existing conditions
Facilities and equipment



What is the Master Plan process?

Inventory existing conditions
Facilities and equipment

Forecast aviation demand
Commercial passenger enplanements
Aircraft operations



What is the Master Plan process?

Inventory existing conditions
Facilities and equipment



Forecast aviation demand
Commercial passenger enplanements
Aircraft operations



Determine future facility requirements
Airfield and support facilities
Terminal, roads, and parking



What is the Master Plan process?

Inventory existing conditions
Facilities and equipment



Forecast aviation demand
Commercial passenger enplanements
Aircraft operations



Determine future facility requirements
Airfield and support facilities
Terminal, roads, and parking



Identify and evaluate development alternatives
Demand driven solutions
Financial feasibility



What are the results of a Master Plan?



A Plan that . . .

Provides guidelines for future development



Satisfies future aviation demand

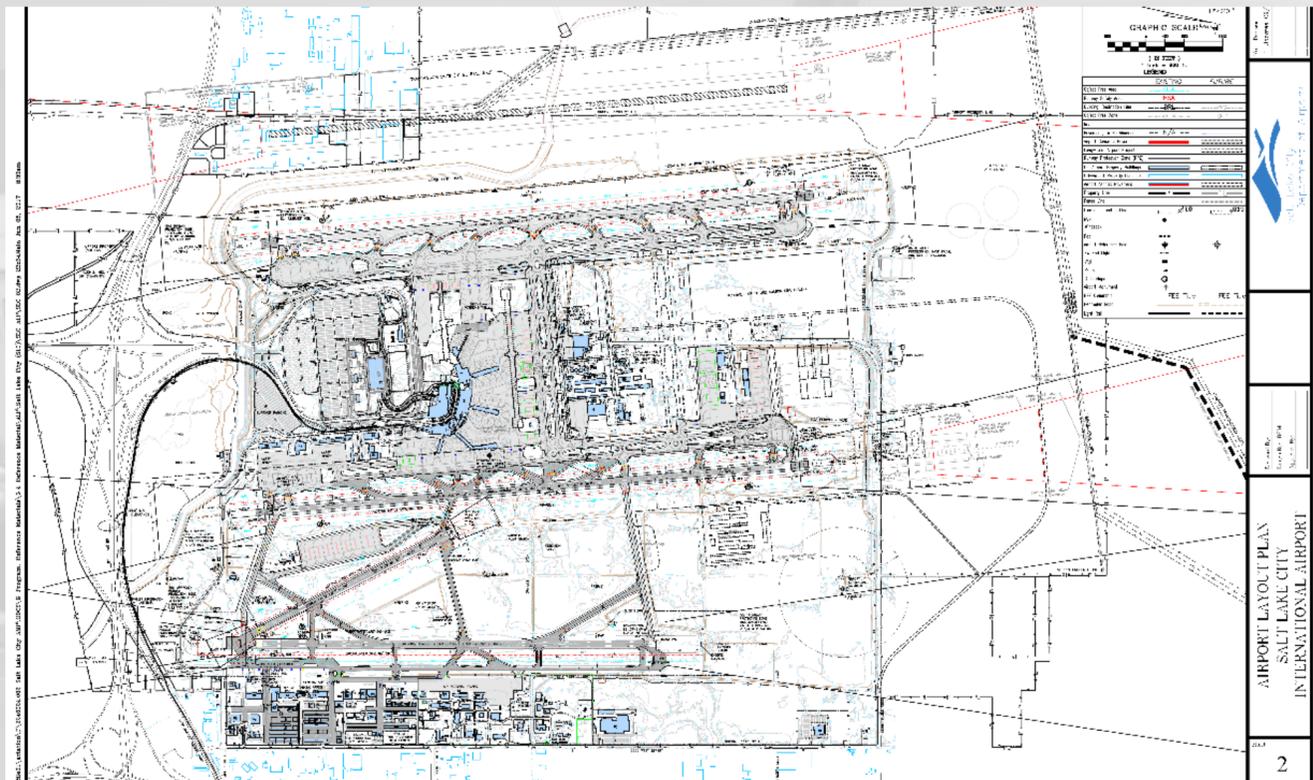
Is financially feasible



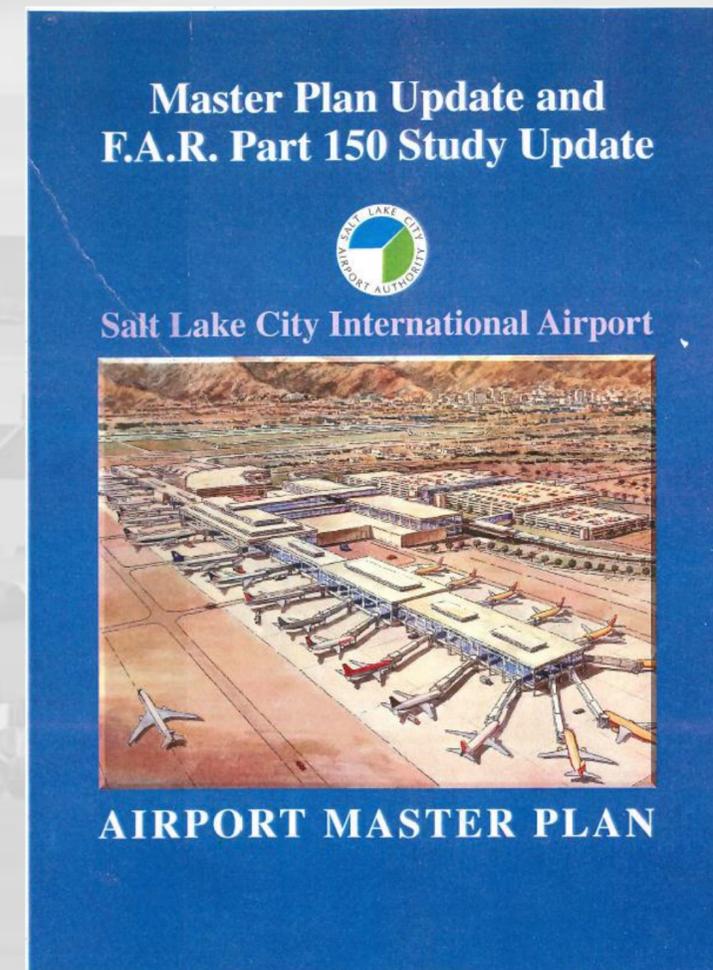
Identifies and responds to environmental and socioeconomic conditions

What are the results of a Master Plan?

Airport Layout Plan:
(Illustrates the plan)

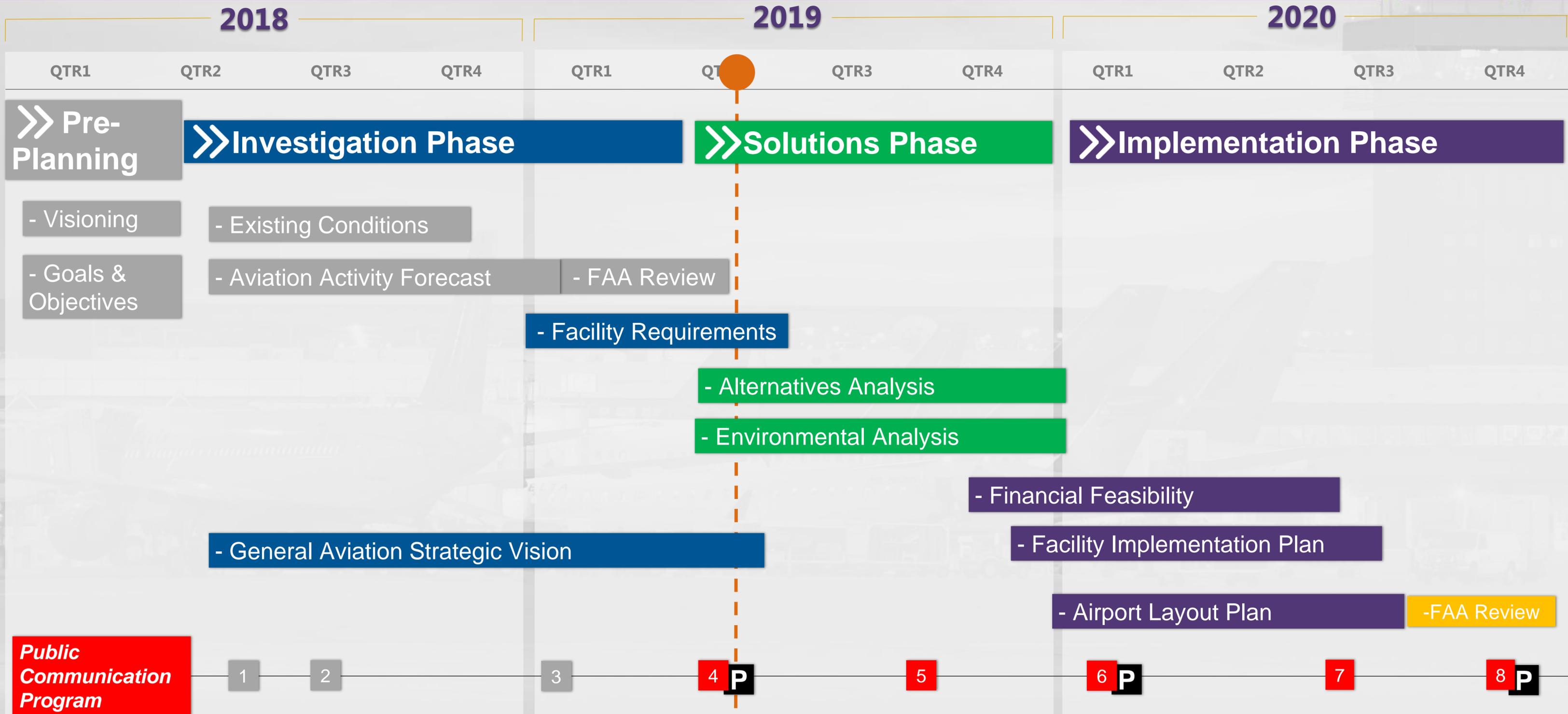


Technical Report:
(documents the why and how)



When will the Master Plan be completed?

● = We Are Here





Who will be involved as stakeholders?

SLCDA Master Plan Working Group
(AMPWG)

Technical Advisory Committee (TAC)

General Aviation (GA) Working Group

Community Outreach Groups (COG)

Airport Board Working Group

Public Information Meetings

Policy Advisory Committee (PAC)

Visioning Sessions



SLCDA Airport Staff

SLC Airport Stakeholders

GA Users

Airlines

FAA

General Aviation

Policy Group

Stakeholder Group



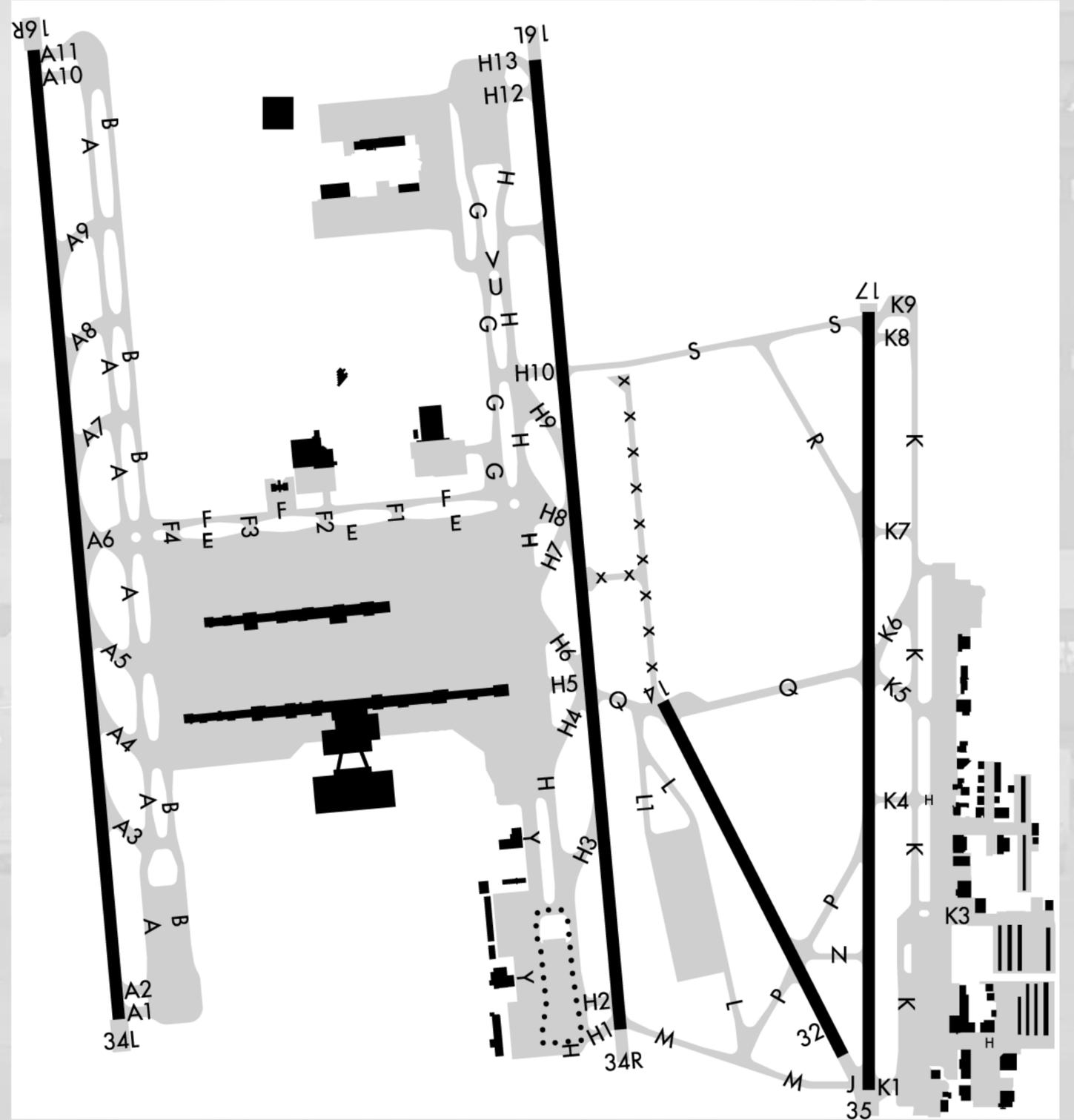
Airport Planning Issues

1. Concourse Expansion
2. FAA Tower Location
3. Future West Runway
4. Runway 16L/34R Length
5. Runway 17/35
6. Airfield Analysis
7. Support Facilities
8. Public and Employee Parking
9. Airport Access Road
10. Noise Contours
11. Future Development
12. General Aviation
13. Golf Course Land Use
14. Wetlands



Existing Conditions

Runway	16L-34R	16R-34L	17-35	14-32
Orientation	NNW-SSE	NNW-SSE	N-S	NW-SE
Length	12,002'	12,000'	9,597'	4,892'
Width	150'	150'	150'	150'
Surface Type	Grooved Asphalt	Grooved Concrete	Grooved Asphalt	Grooved Asphalt
Markings	Precision	Precision	Precision	Visual
Lighting	High Intensity	High Intensity	High Intensity	High Intensity



Existing Conditions

Terminal

2022 terminal development used

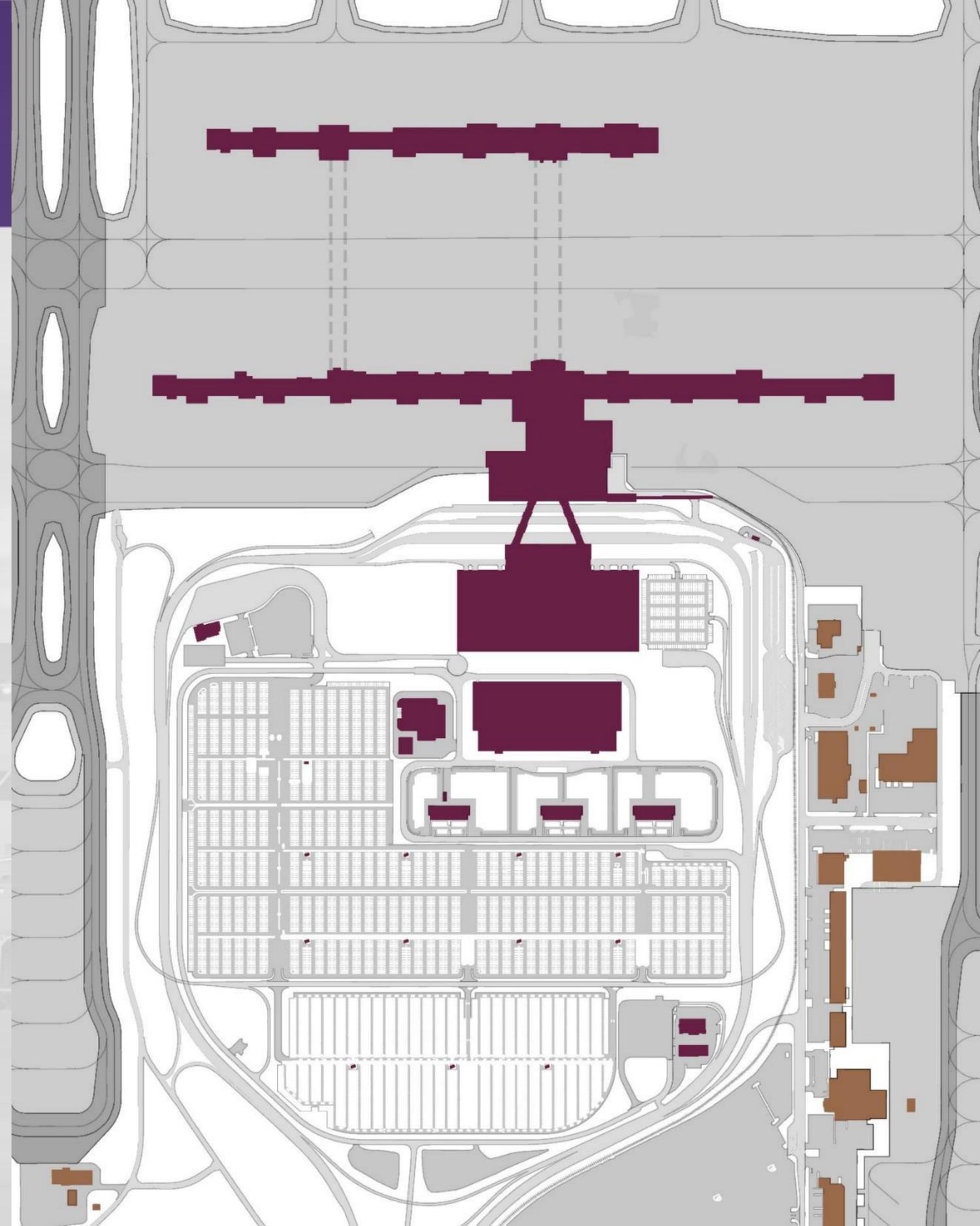
908,000 square feet

78 gates

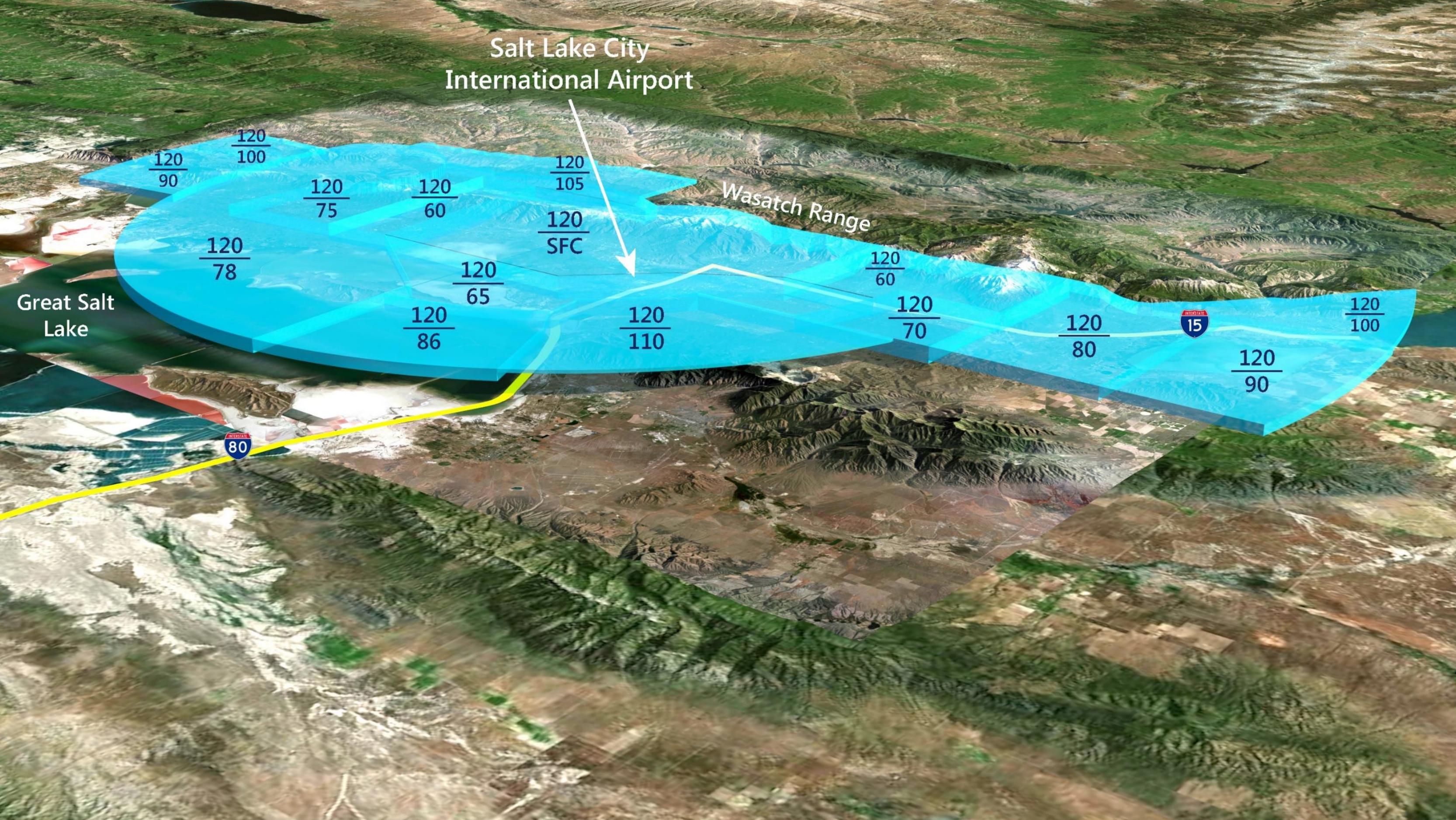
Landside

14,000+ public parking spaces

2 level terminal curb road



Salt Lake City International Airport



Wasatch Range

Great Salt Lake



Aviation Activity Forecast



Multiple Regression Methodology
Low, Baseline, High

Top Down vs. Bottom Up

Monte Carlo evaluation

Variables

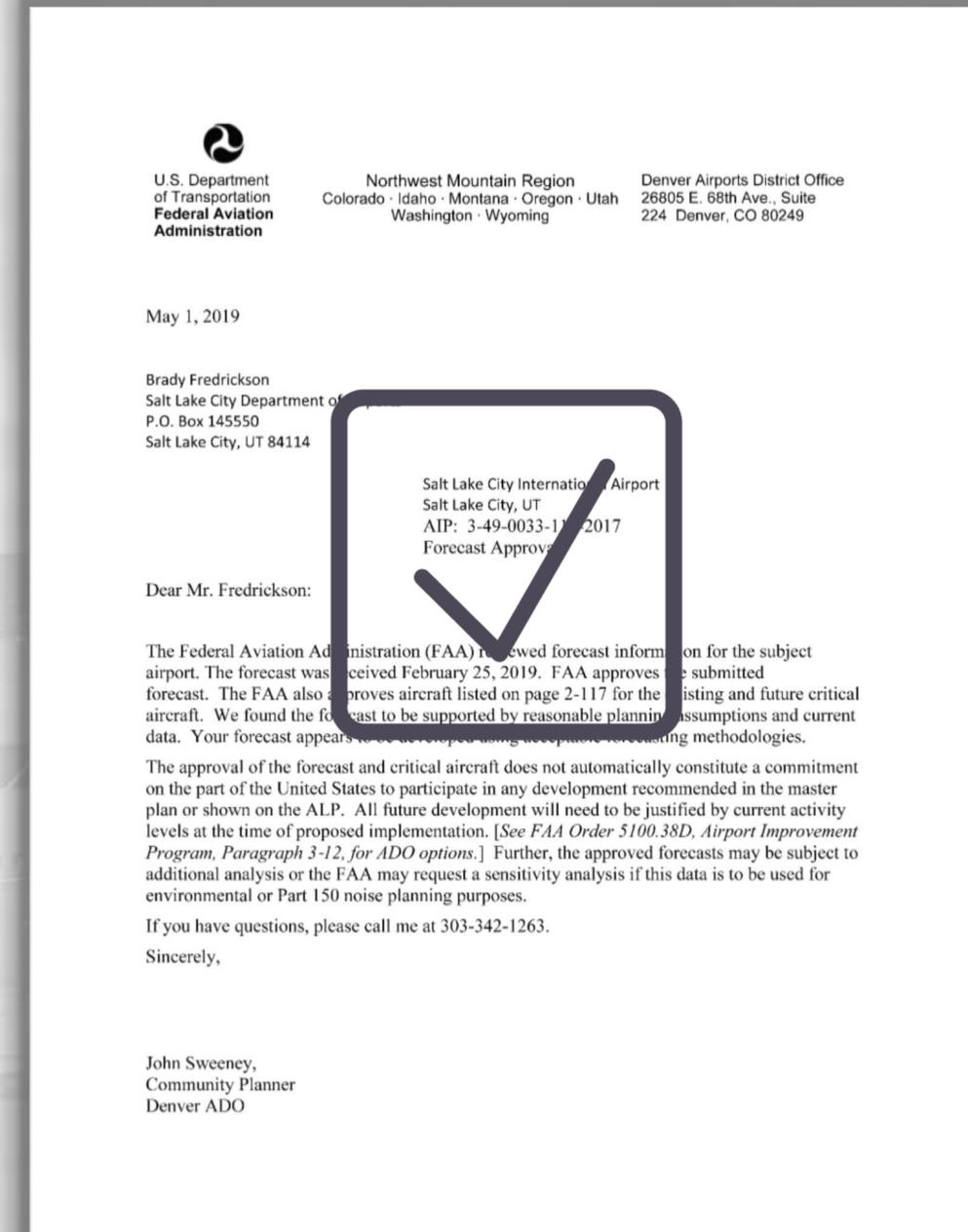
National trends

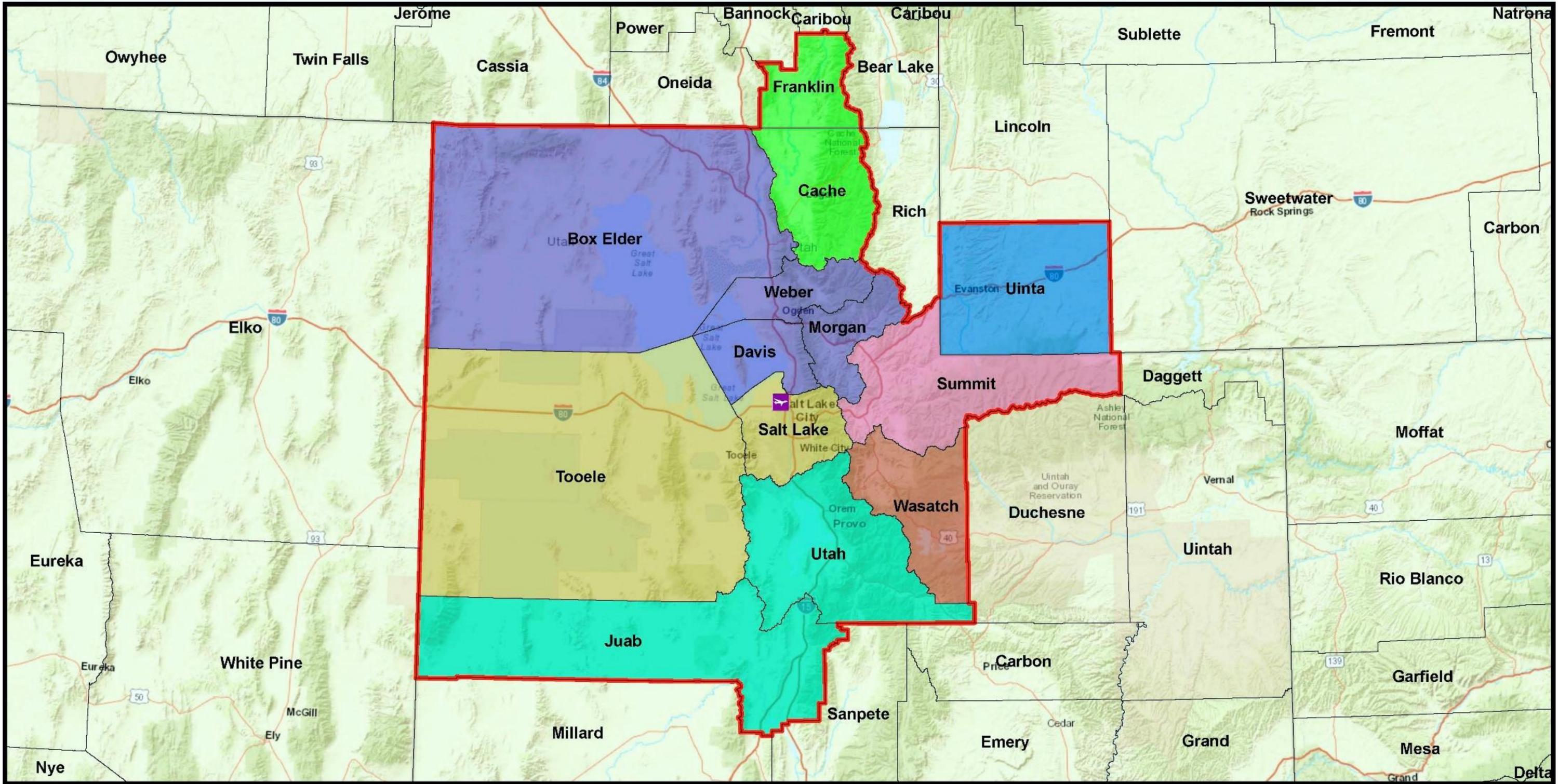
Regional trends

Airline & industry economics

Air carrier plans

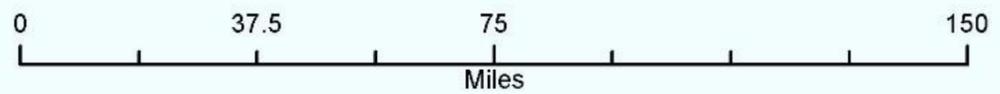
FAA Approved - May 1, 2019





Legend

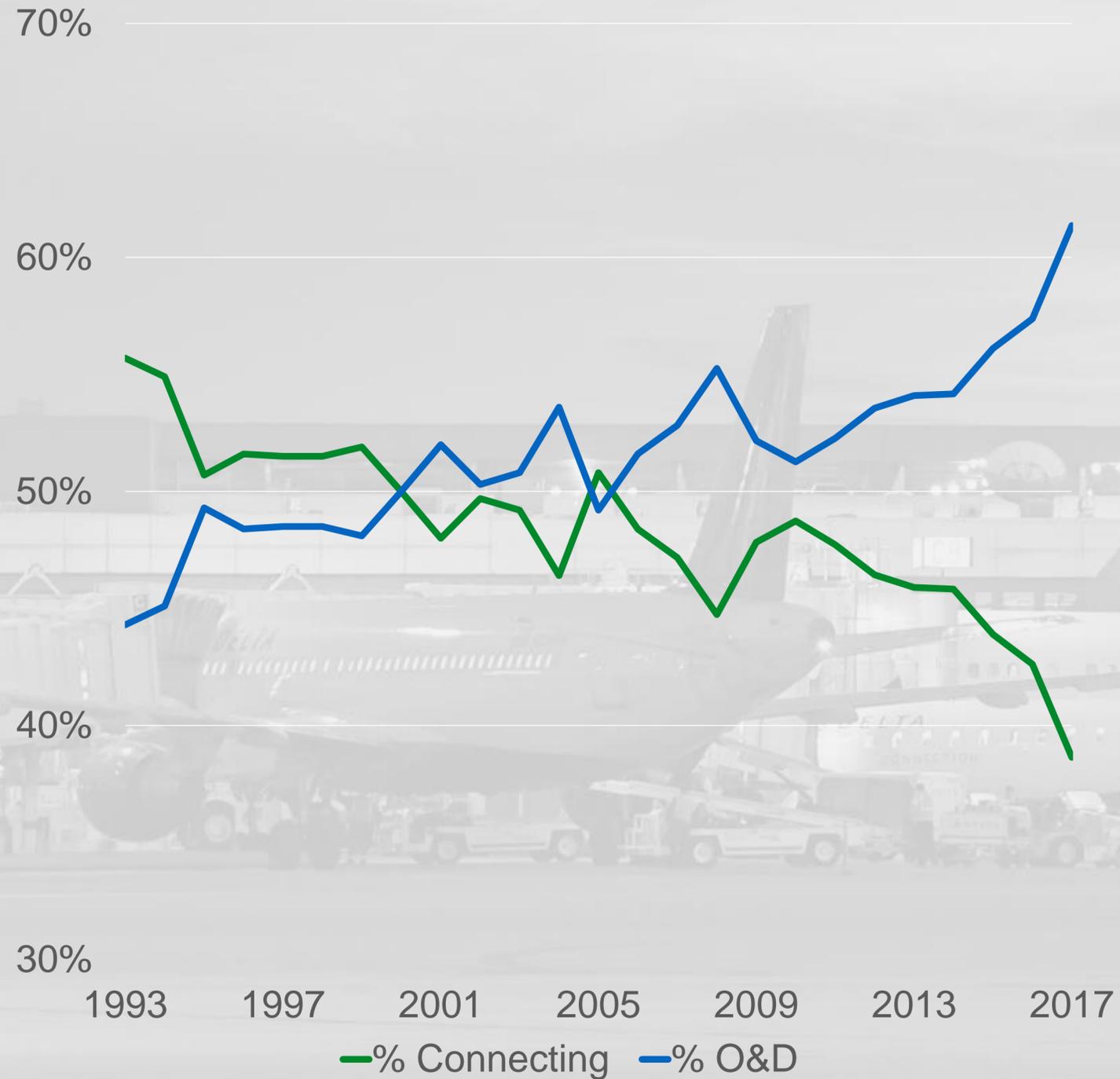
-  SLC
-  SLC Service Area Extent
-  Salt Lake City, UT MSA
-  Provo-Orem, UT MSA
-  Ogden-Clearfield, UT MSA
-  Logan, UT-ID MSA
-  Heber, UT MICRO
-  Summit Park, UT MICRO
-  Evanston, WY MICRO



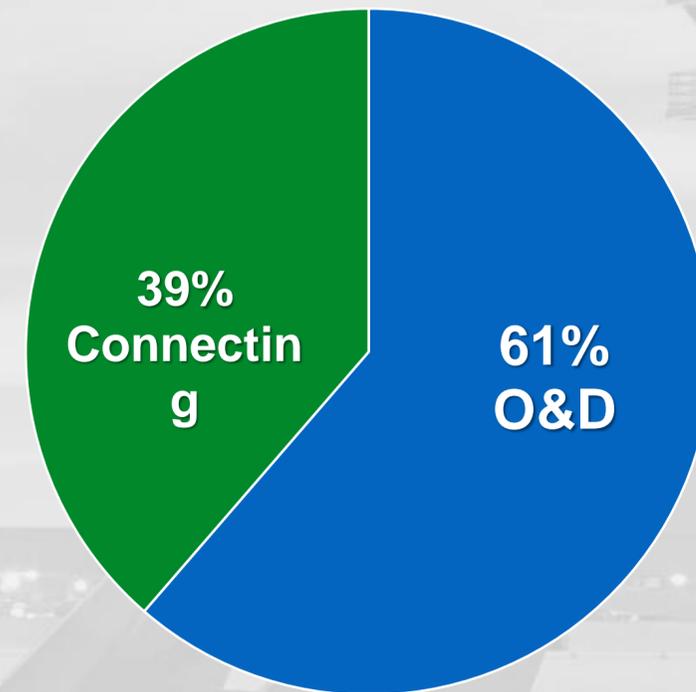
Coordinate System: NAD 1983 CORS96 StatePlane Utah North FIPS 4301 Ft US
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 CORS96

Air Carrier Share

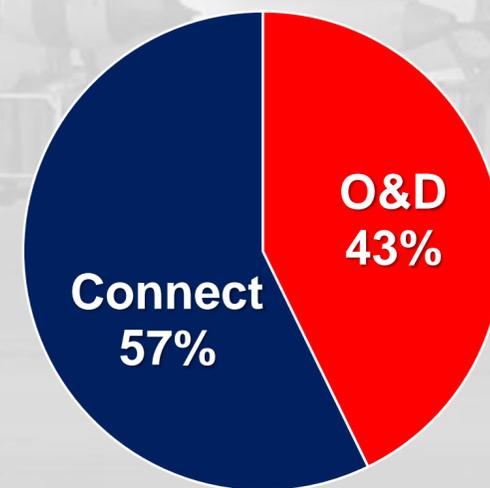
O&D vs. Connecting



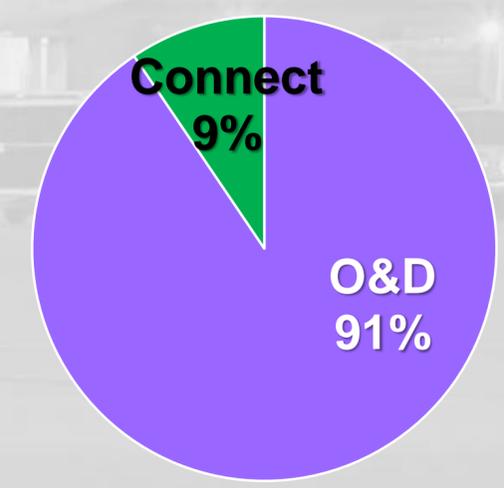
Passenger Breakdown



Delta Air Lines



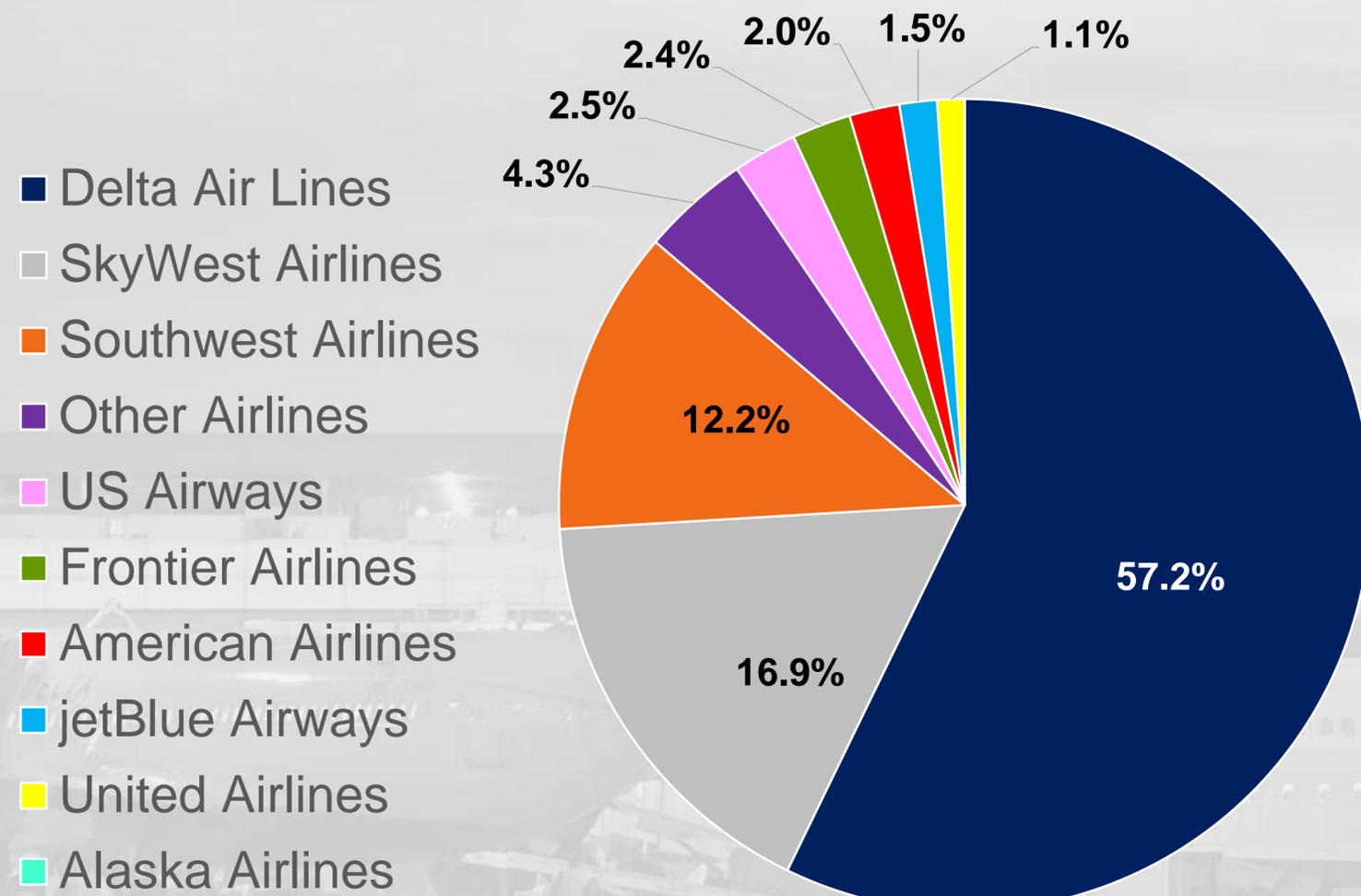
Other Airlines



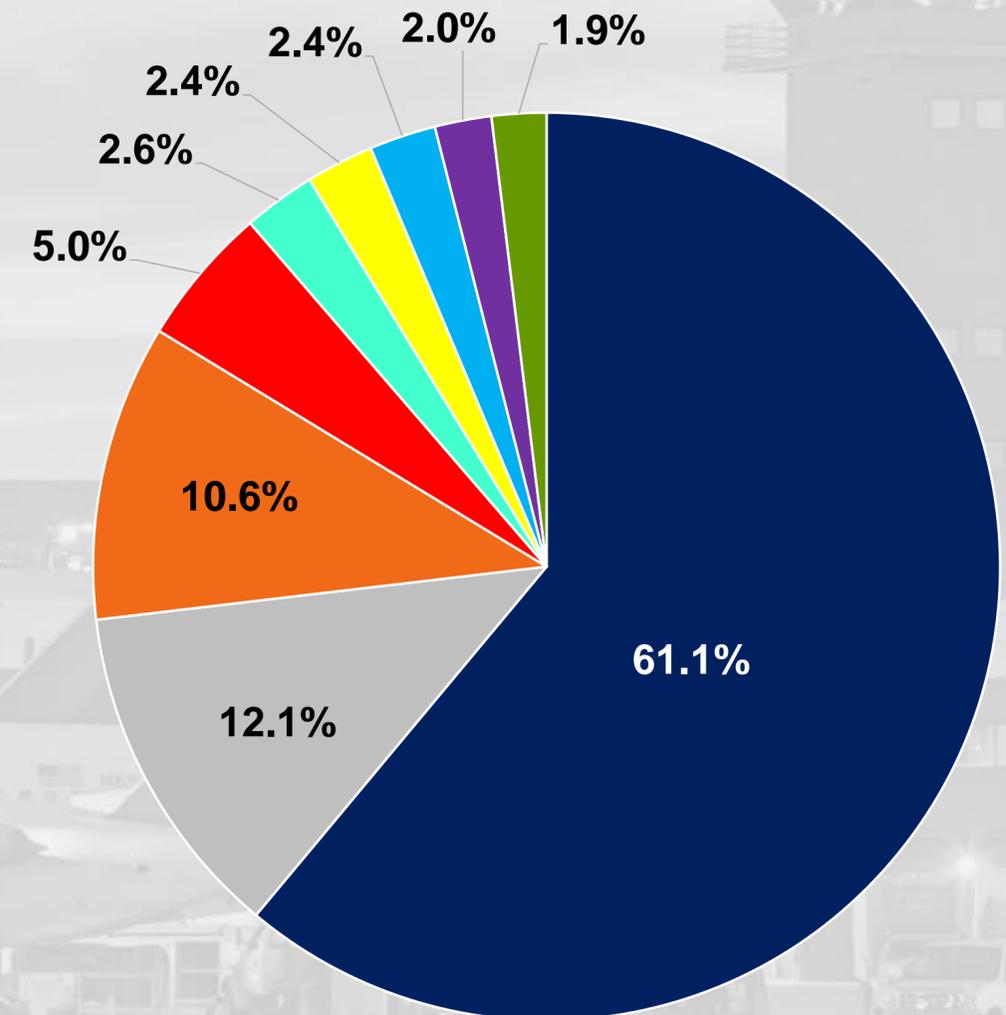
Air Carrier Share



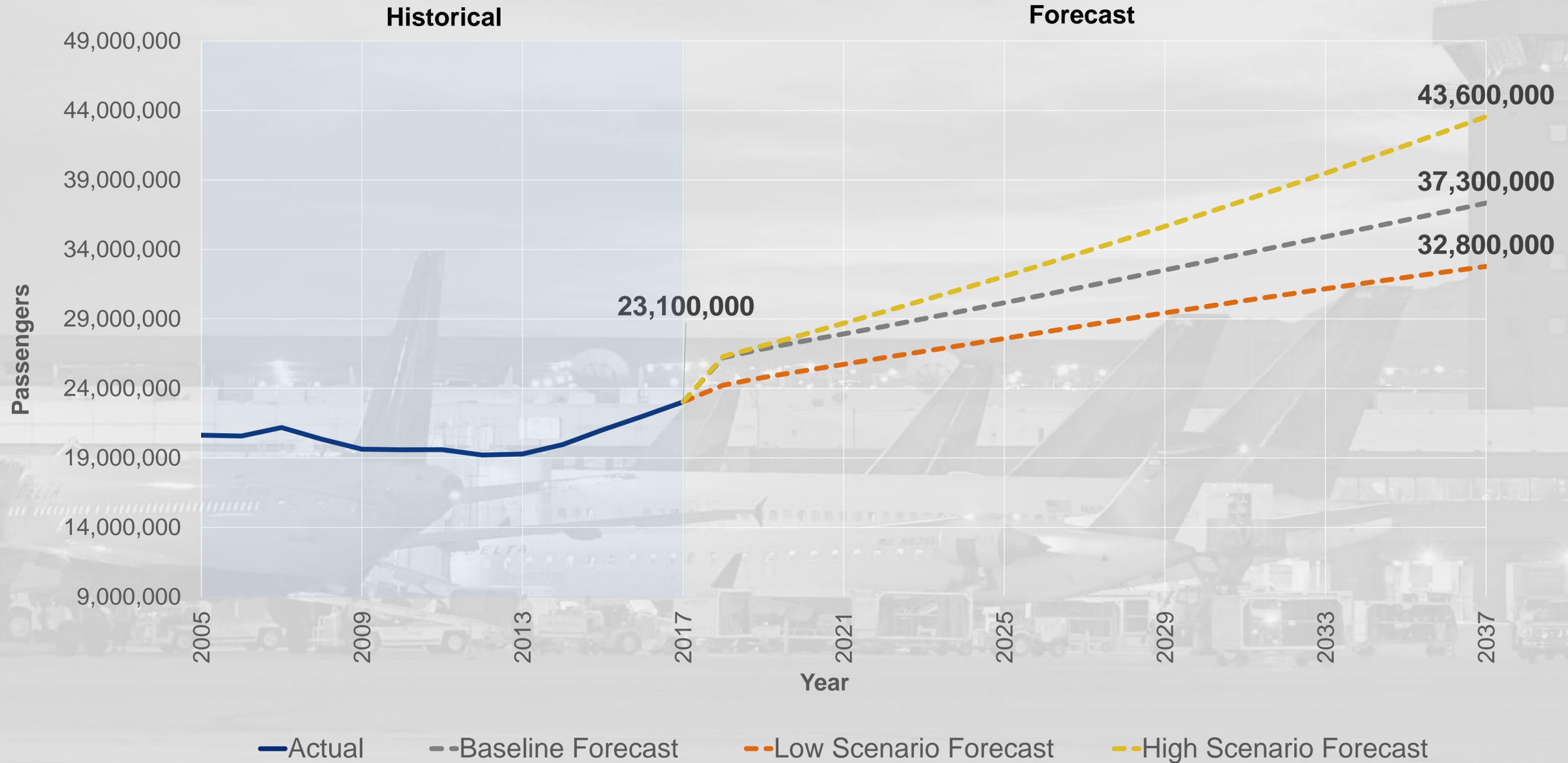
2013 Air Carrier Shares



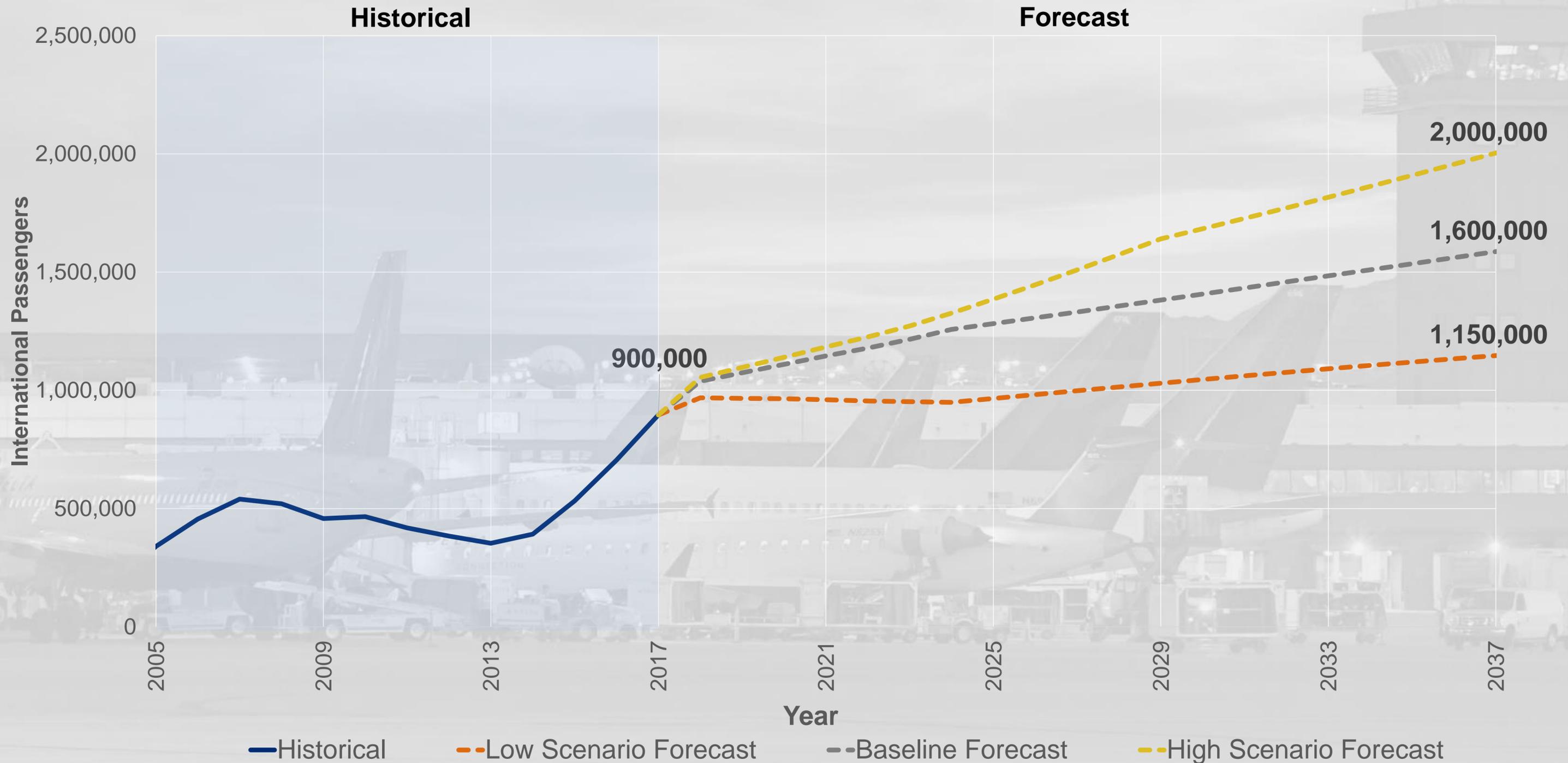
2017 Air Carrier Shares



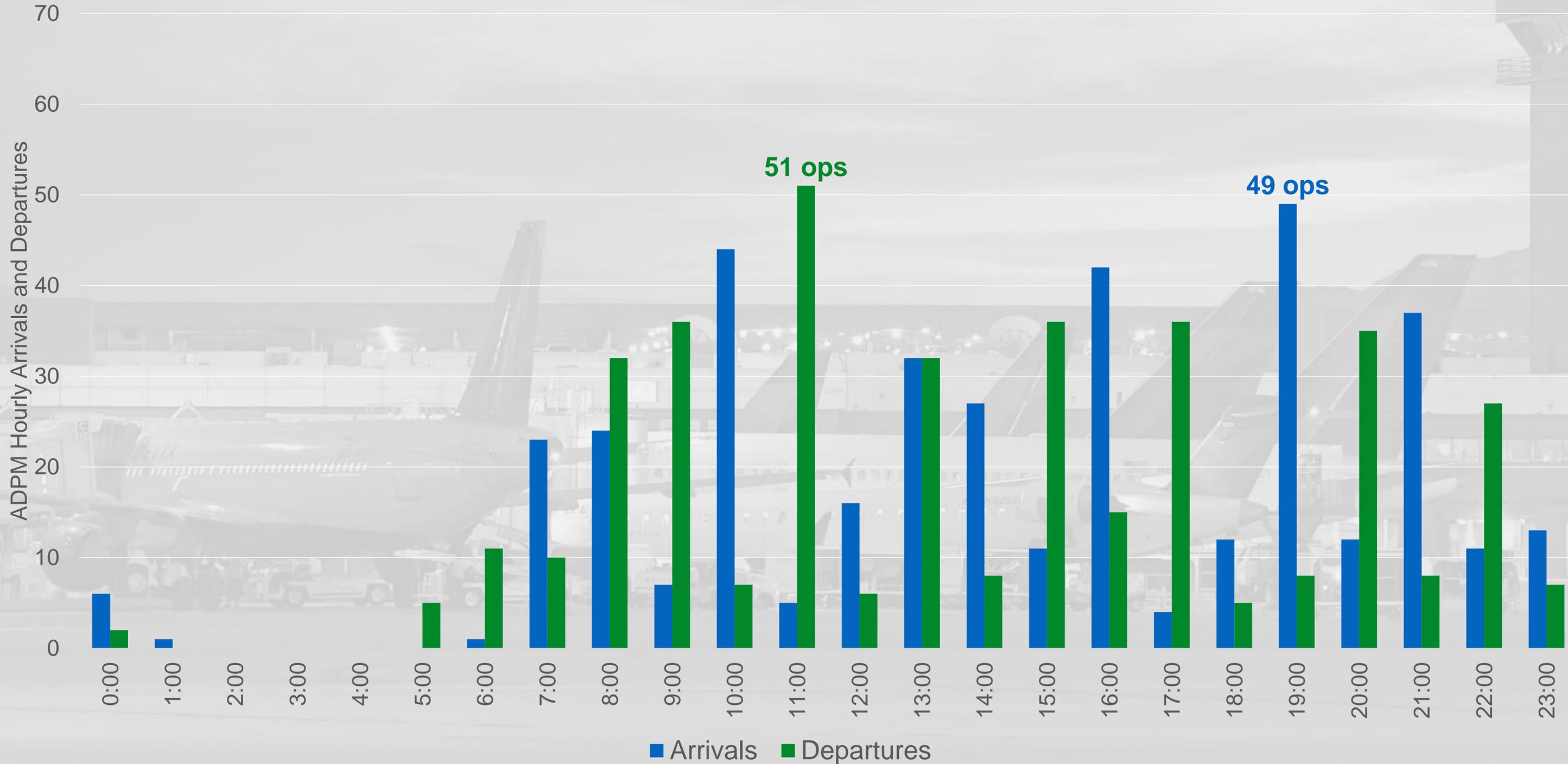
Passenger Forecast Comparisons



International Passenger Forecast Comparisons



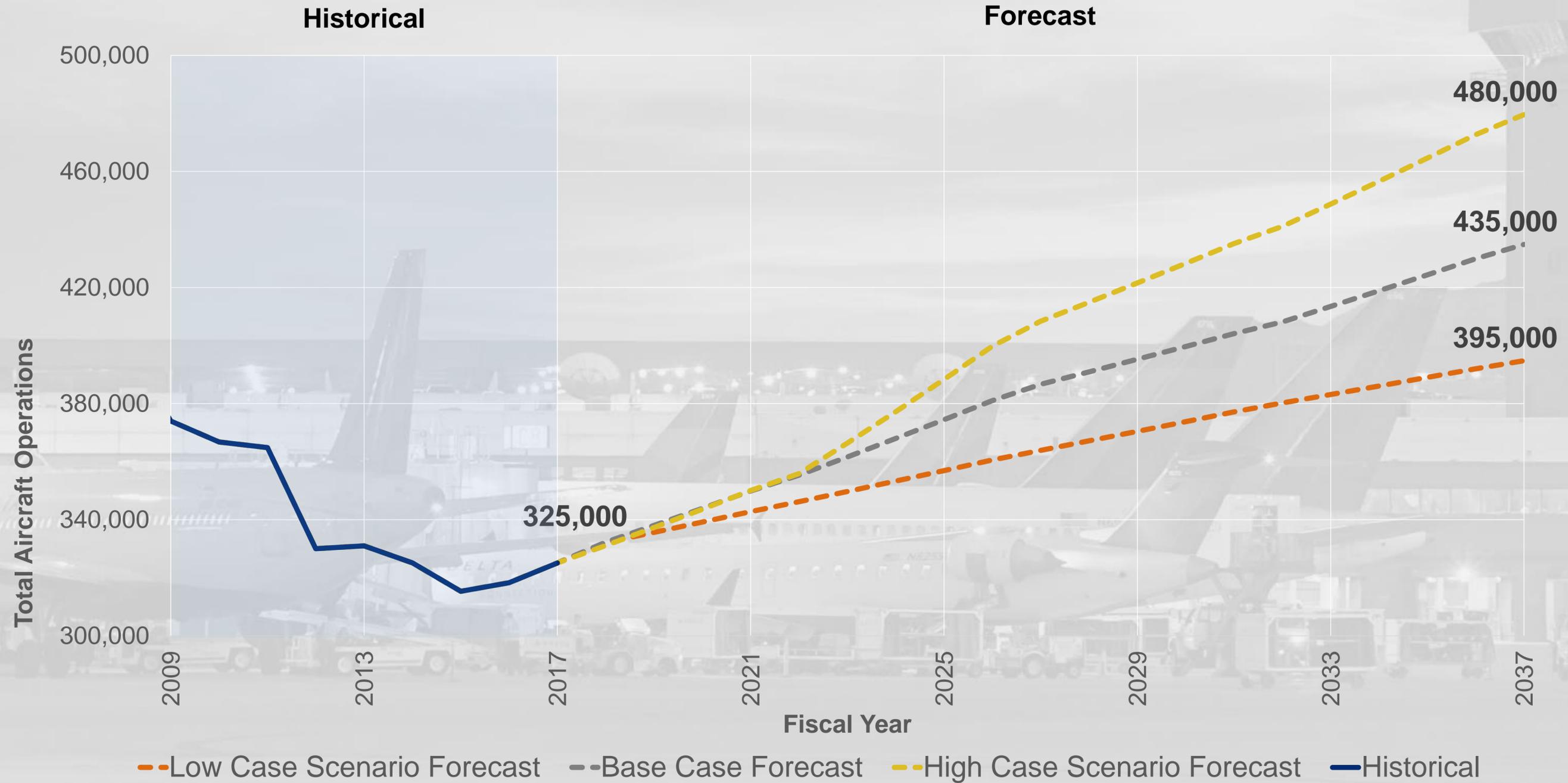
When is the busiest time for the Airport in 2018?



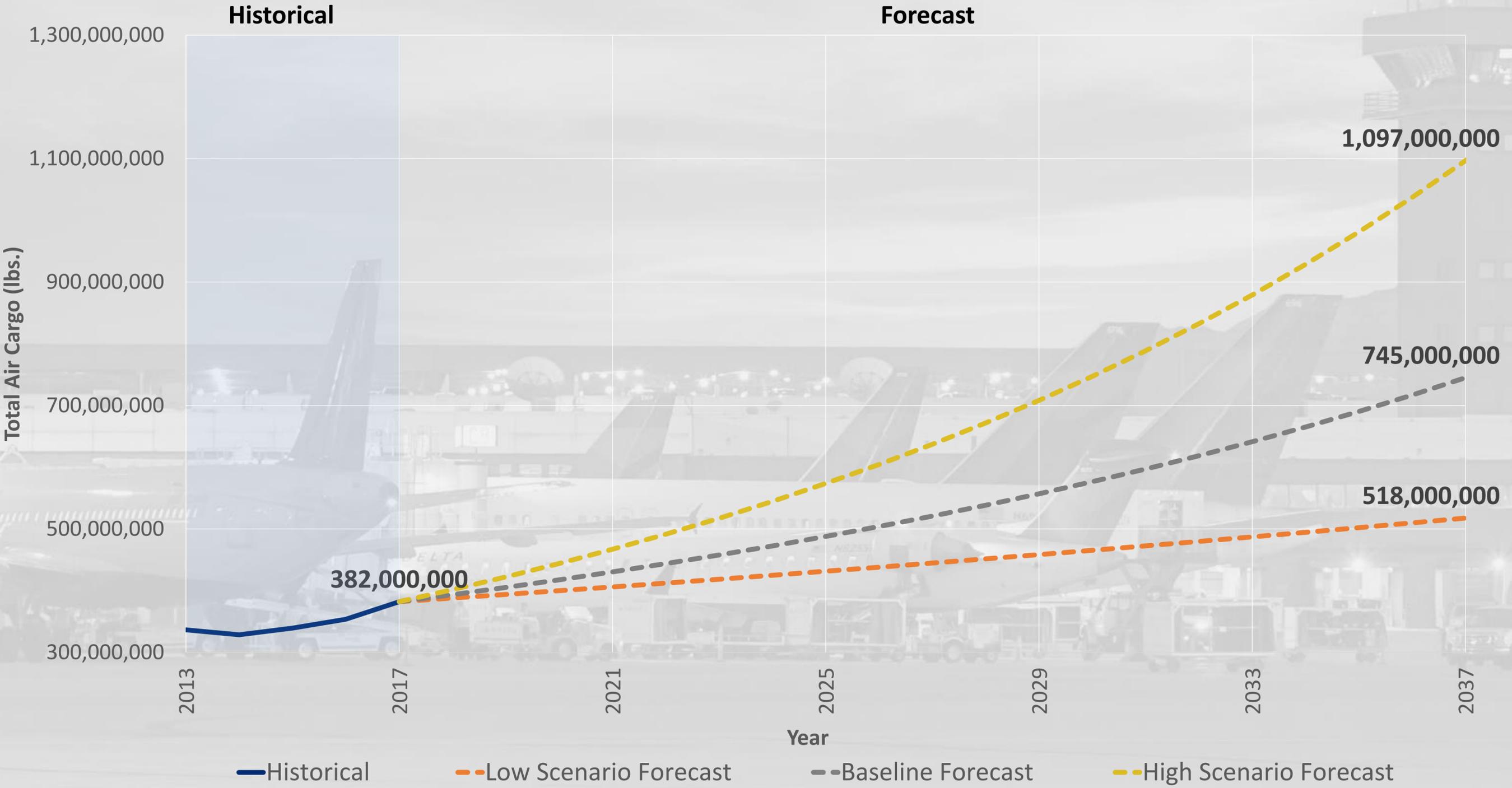
When is the busiest time for the Airport in 2037?



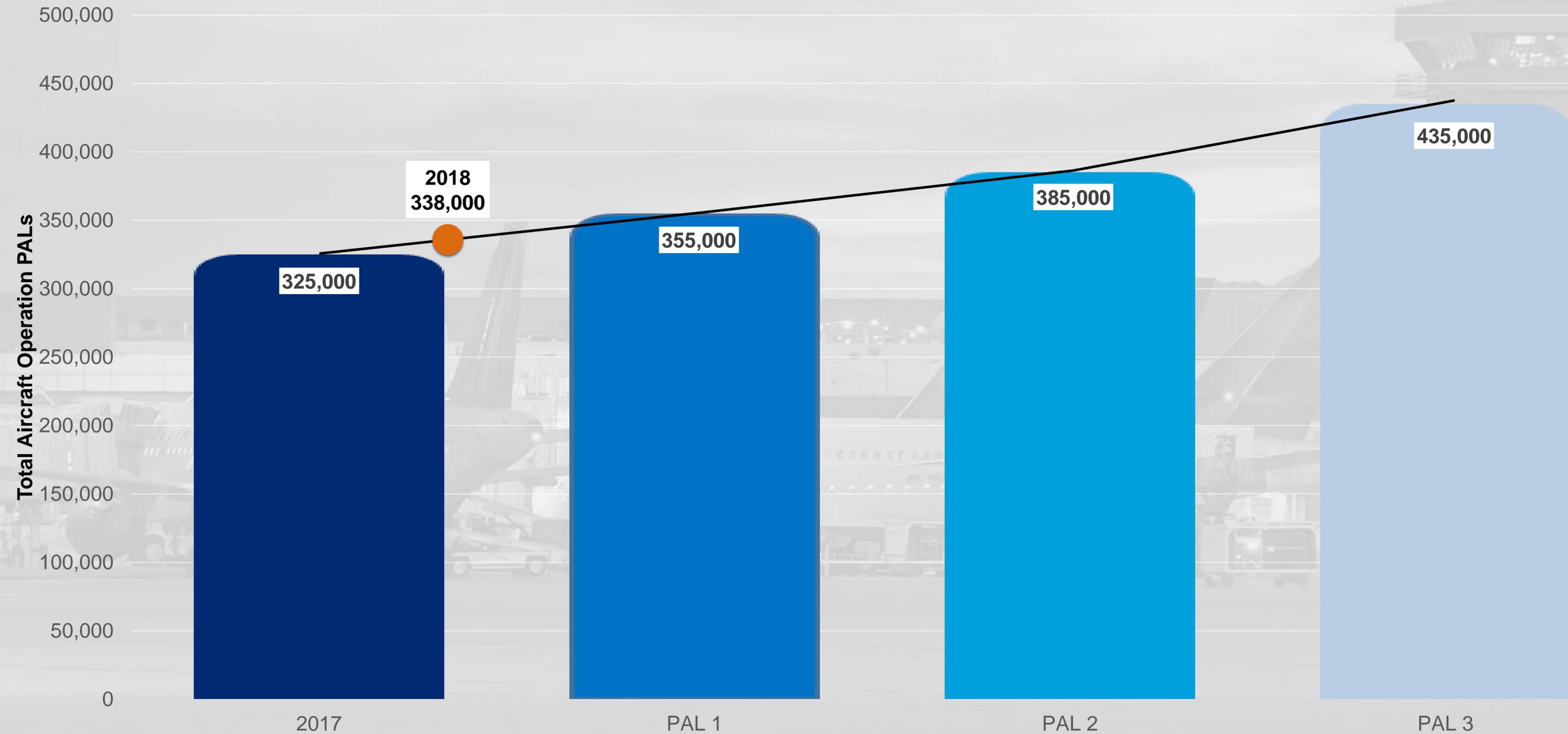
Total Aircraft Operations Forecast Comparisons



Air Cargo Forecast Comparisons

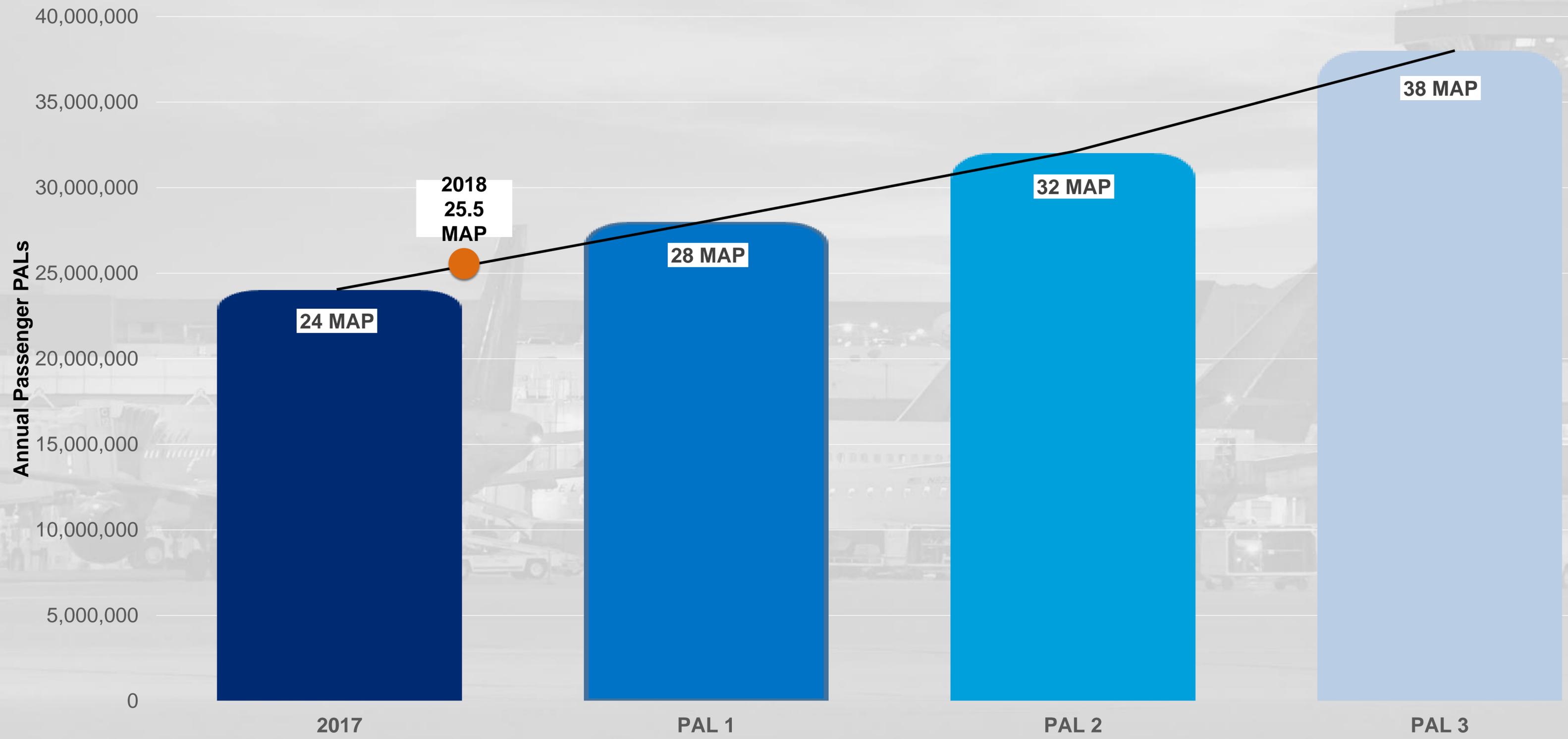


Next Steps – Operations Planning Activity Levels

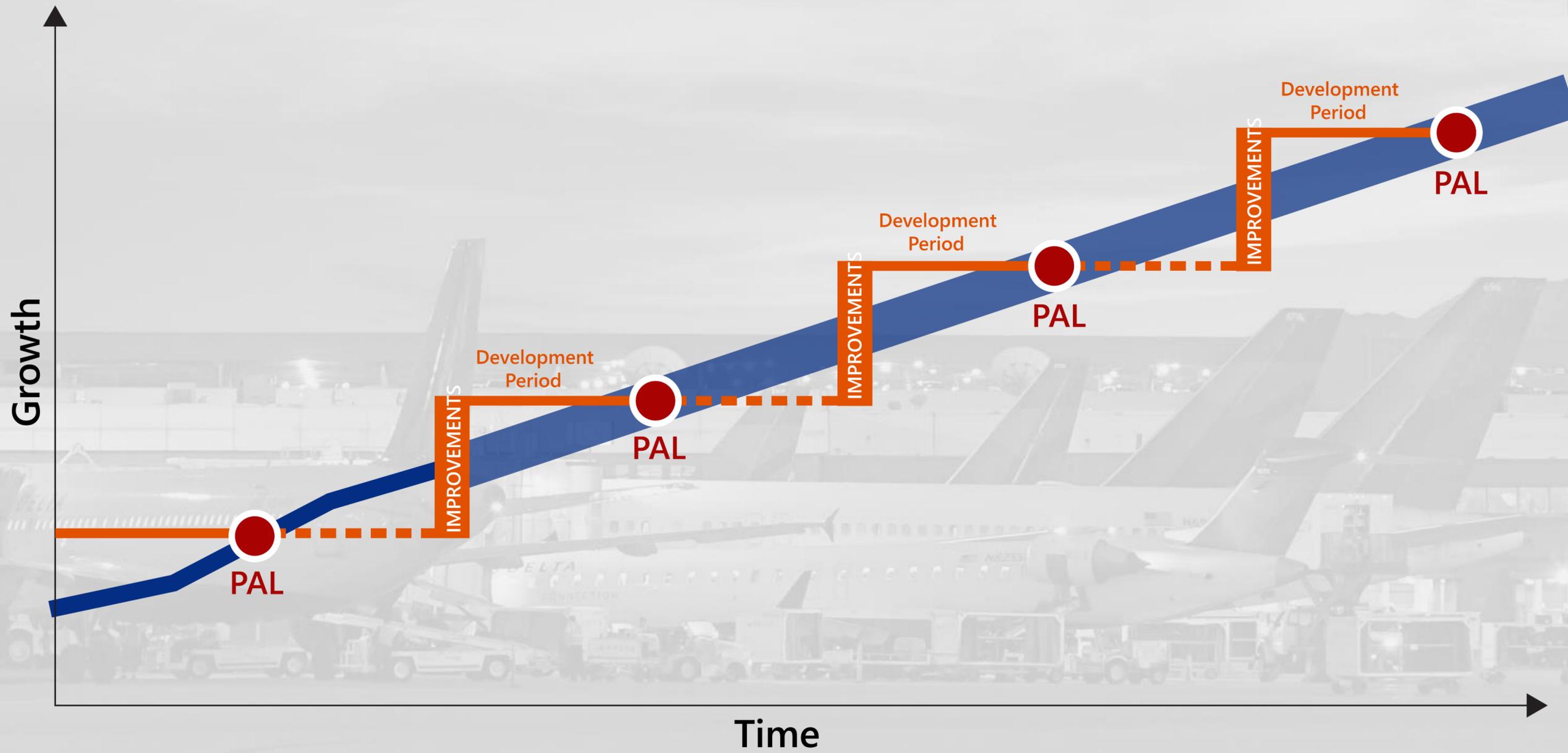




Next Steps – Passenger Planning Activity Levels



Next Steps – How are PALs implemented?



 Demand

 Capacity

What comes next?



Finish Facility Requirements

Begin Alternatives Analysis

Continue Public Communication Program

Working papers available online at slcairport.com/about-the-airport/master-plan/

Next public open house to be scheduled in winter

Thank You!

Master Plan Overview

Master Plan Process

Master Plan Results

Master Plan Schedule

*Master Plan
Stakeholders*

Airport Visioning

Airport Planning Issues

Airport Runways

Terminal

Airspace

Air Carrier Share

Passenger Forecast

Flight Schedule

*Aircraft Operations
Forecast*

Air Cargo Forecast



SLC AIRPORT MASTER PLAN UPDATE

For more information, go to
www.slcairport.com/about-the-airport/master-plan/

