

# Aloha

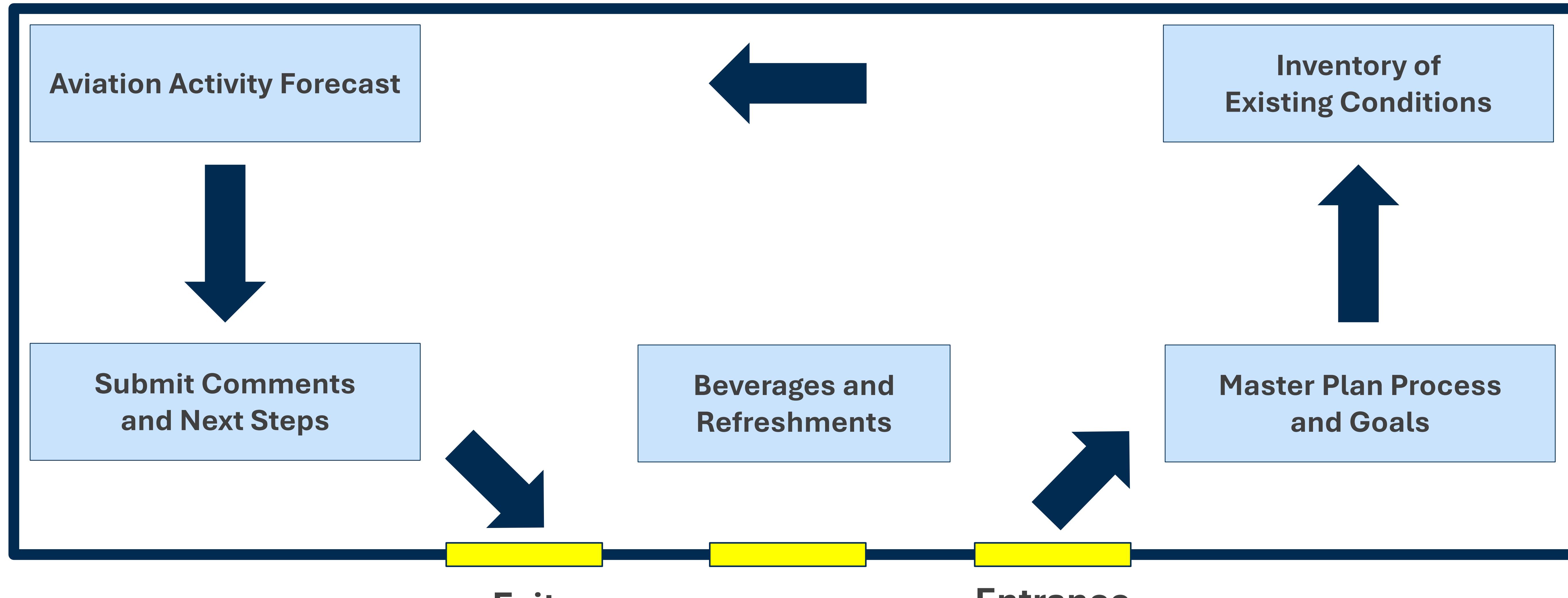
Welcome to the Hawaii Department of Transportation's  
**Community Informational Meeting**  
for the Master Plan Update for  
**Ellison Onizuka Kona International Airport at Keahole (KOA)**



# Instructions

Please sign in and proceed inside to learn about KOA's master plan update.

## Exhibit Map



Scan the QR code to visit our project website!

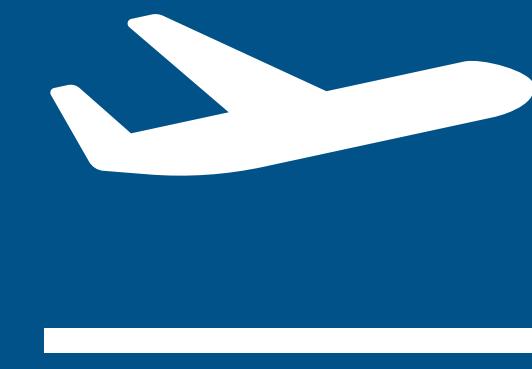
# What is a Master Plan?

An airport master plan is a comprehensive, long-range planning document that defines the framework for future developments at the airport, ensuring that infrastructure and facilities are aligned with projected aviation demand.



## EVALUATE EXISTING FACILITIES

Document and review current infrastructure to identify strengths and gaps



## FORECAST FUTURE NEEDS

Estimate future demand for passengers, cargo, and aircraft operations



## EXPLORE ALTERNATIVES

Consider different development options and select the best path forward



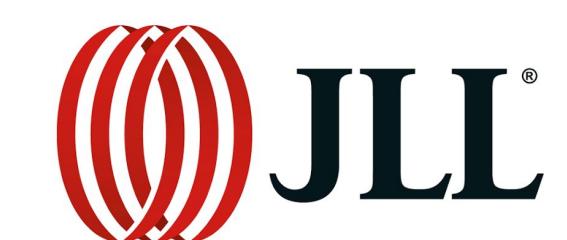
## COMMUNITY ENGAGEMENT

Involve the public and stakeholders to reflect local values and priorities

# Master Plan Team



## Prime Consultant



Terminal Planning

Public Outreach

Airports GIS Survey

Market Assessment



Field Survey

Traffic Data Collection

Cost Estimating

Financial  
Implementation Plan

# Master Plan Process

## Inventory of Existing Conditions

Inventory and document existing airport facilities and operations to establish accurate baseline conditions

## Forecast and Facility Requirements

Analyze projected growth in passengers, cargo, and aircraft operations to determine the types and sizes of facilities needed for future demand

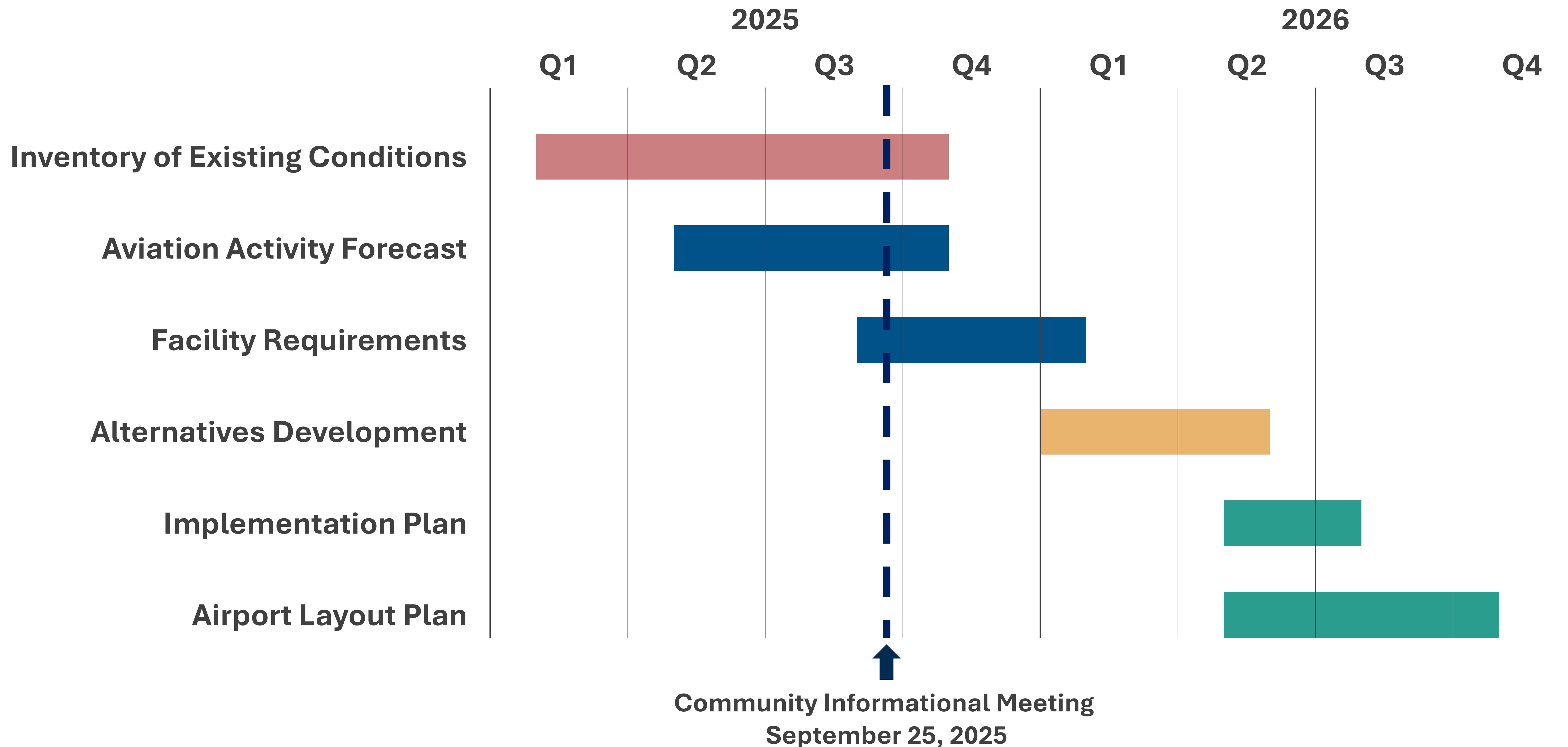
## Alternatives Development and Evaluation

Develop and compare multiple development alternatives to identify the most effective solution based on safety, cost, environmental impact, and community needs

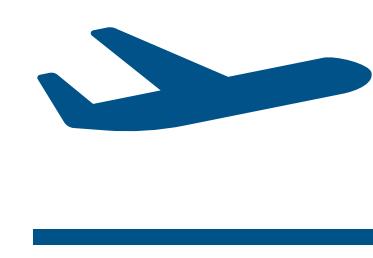
## Implementation Plan and Airport Layout Plan

An outline of a phased approach for constructing improvements to reflect the airport's long-term vision and ensure FAA compliance

# Master Plan Schedule



# Master Plan Goals



Develop strategies to enhance airfield safety and improve landside connectivity



Expand and modernize terminal facilities to accommodate projected air service demand while preserving Kona's sense of place



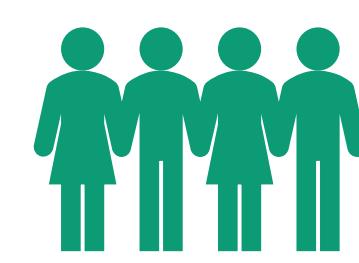
Maximize land use potential through strategic non-aeronautical development that drives sustainable revenue growth



Enhance airport infrastructure to improve readiness and response capabilities for weather disruptions



Develop a phased and feasible approach for master plan projects that allow flexibility for adjustments based on future growth projections

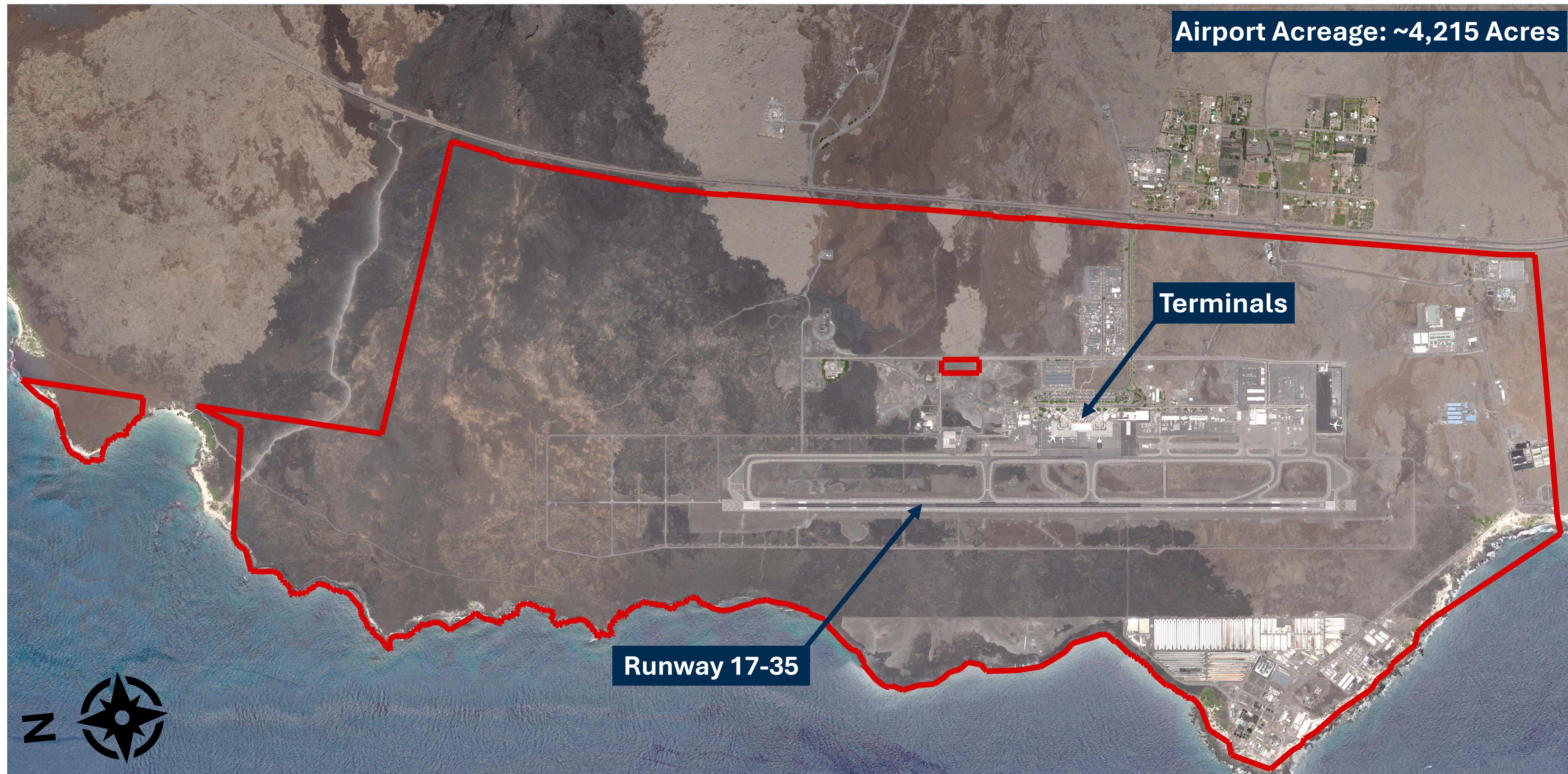


Engage with neighboring communities to ensure that the master plan supplements the Kona Community Development Plan

# Inventory of Existing Conditions

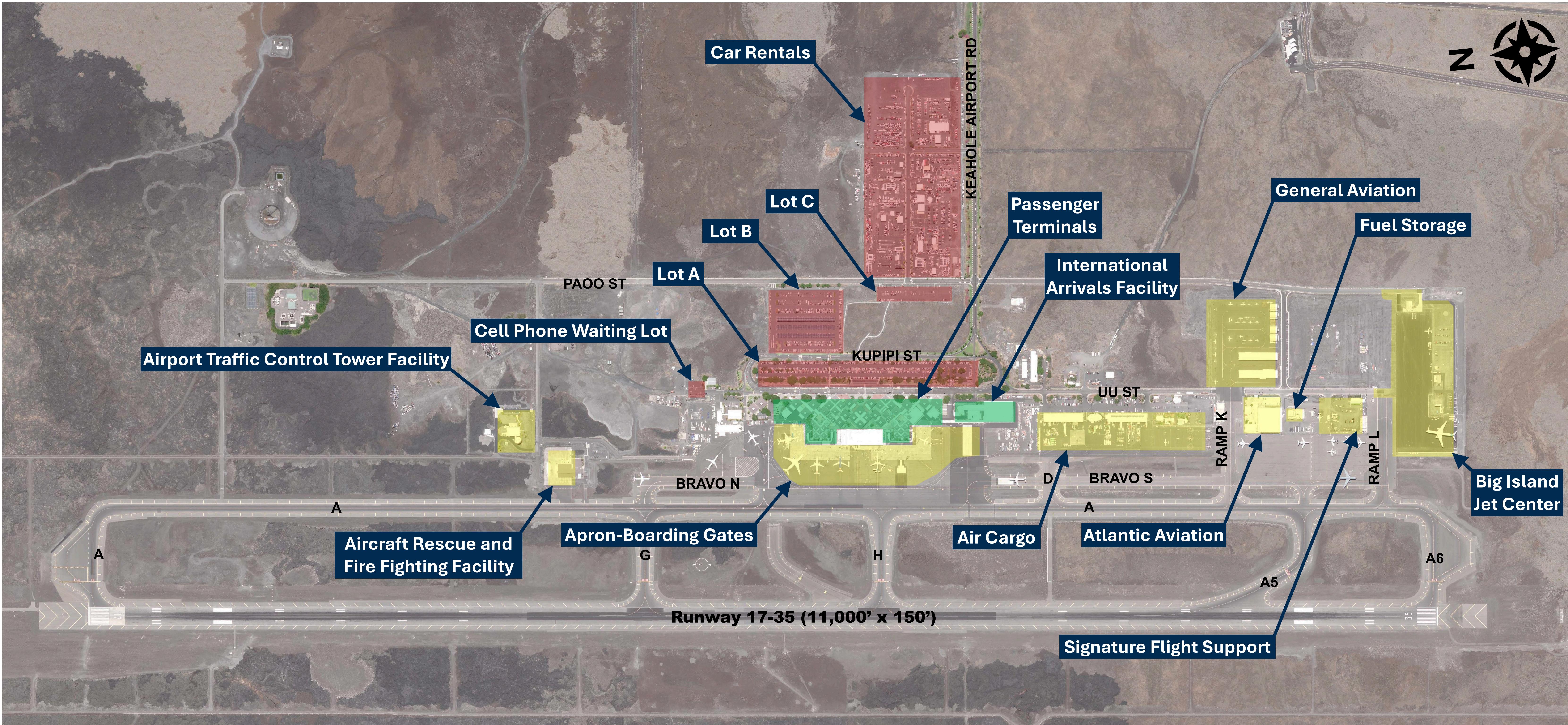
A thorough assessment of existing conditions provides a baseline for the airport master plan update. This includes evaluating current facilities, infrastructure, airfield layout, terminal capacity, access roads, and surrounding land uses. Documenting how the airport functions today helps identify operational strengths, constraints, and opportunities.

**Airport Property Map**



Legend: — Airport Property Line

# Inventory of Existing Conditions



# What is an Aviation Activity Forecast?

An aviation activity forecast estimates how many passengers, cargo tonnages, and aircraft operations (takeoffs and landings) the airport might see in the future. Key components of an aviation activity forecast include:



**Passenger  
Enplanements**



**Air Cargo  
Tonnage**



**Aircraft  
Operations**



**Based  
Aircraft**

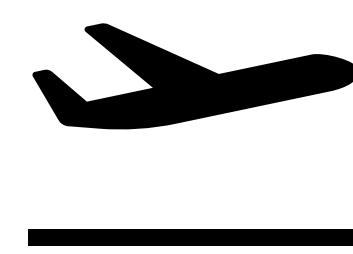
## What is the Purpose of a Forecast?

- **Plan for Future Demand:** Identify future airfield, terminal, and landside facility needs as part of the Master Plan Update
- **Submit Forecast to FAA for Approval:** As part of the Master Plan Update, the forecast is a critical component that requires formal approval by the Federal Aviation Administration (FAA)

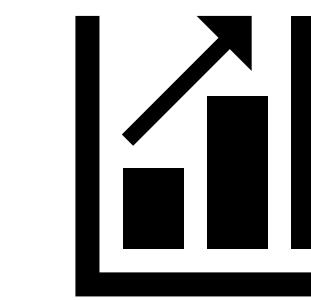
# Forecast of KOA Scheduled Passengers

Passenger demand is closely tied to the economy and how easy and affordable it is to fly. Since most domestic travelers to KOA are visitors from the U.S. mainland, national economic trends play a big role. For international travelers, exchange rates often influence how many visitors come to KOA and other U.S. destinations.

## Domestic Travel Influences:

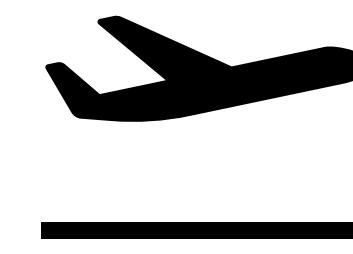


Airline Service

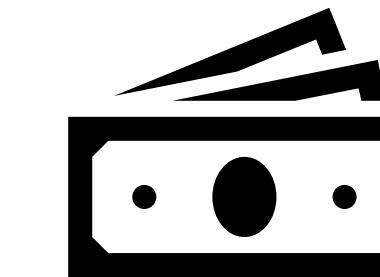


U.S. Economic Conditions

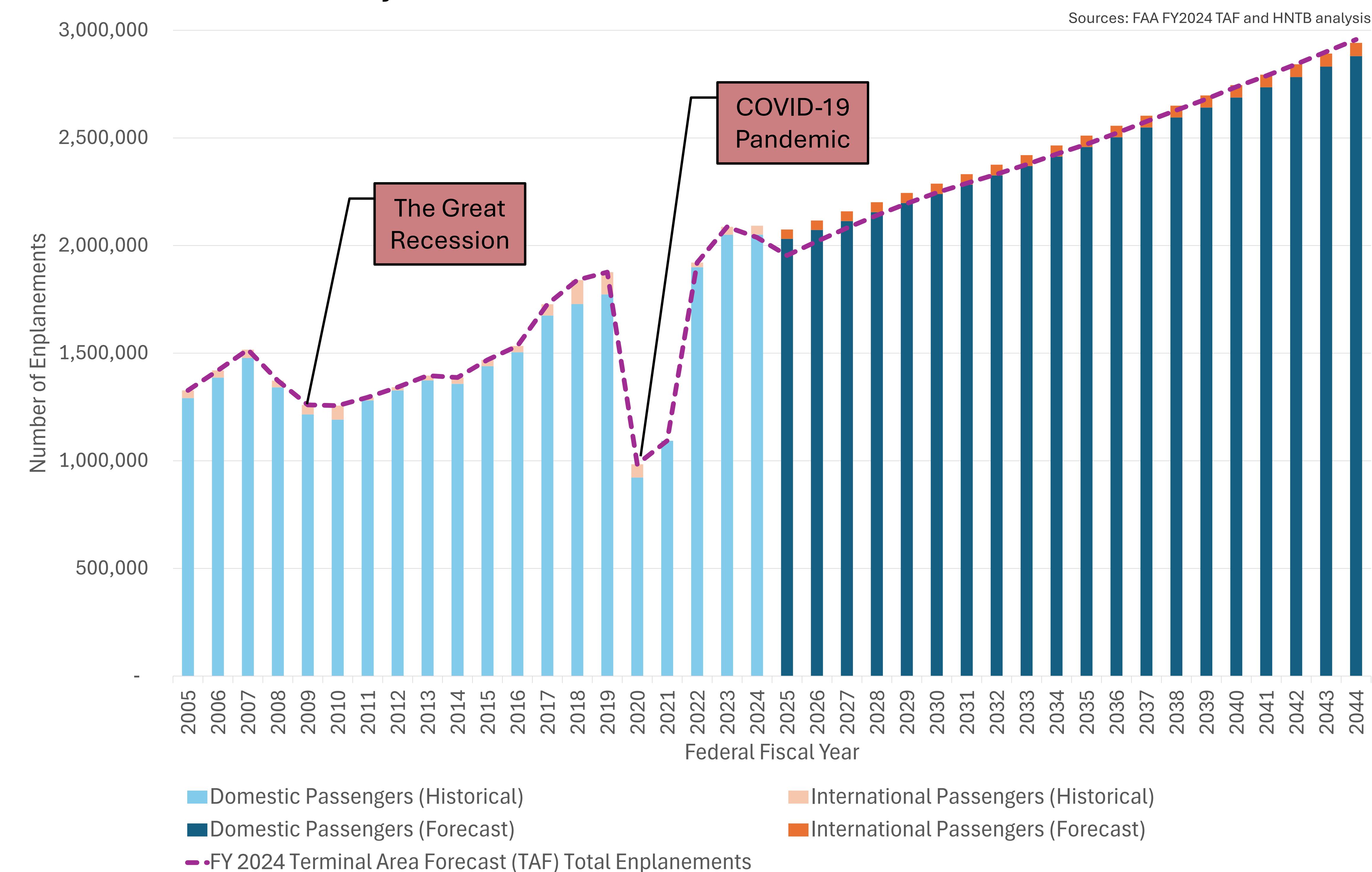
## International Travel Influences:



Airline Service



Currency Exchange Rates

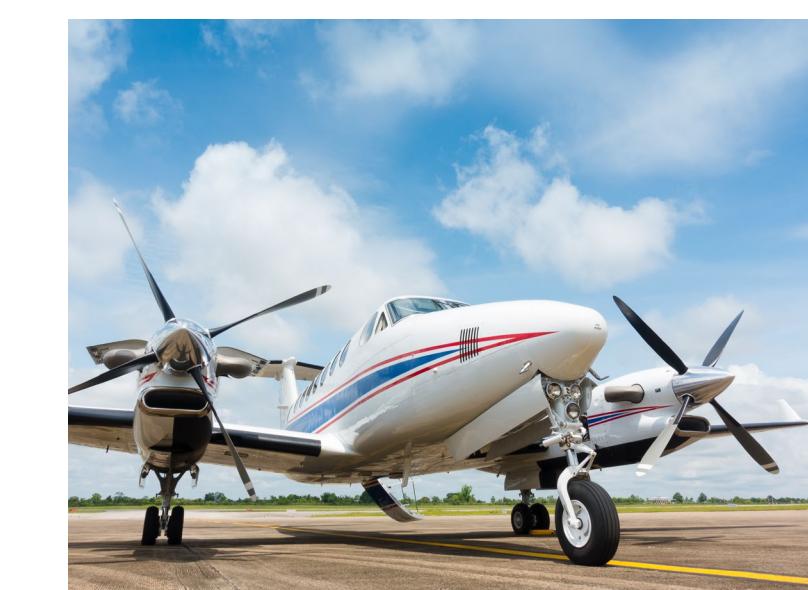
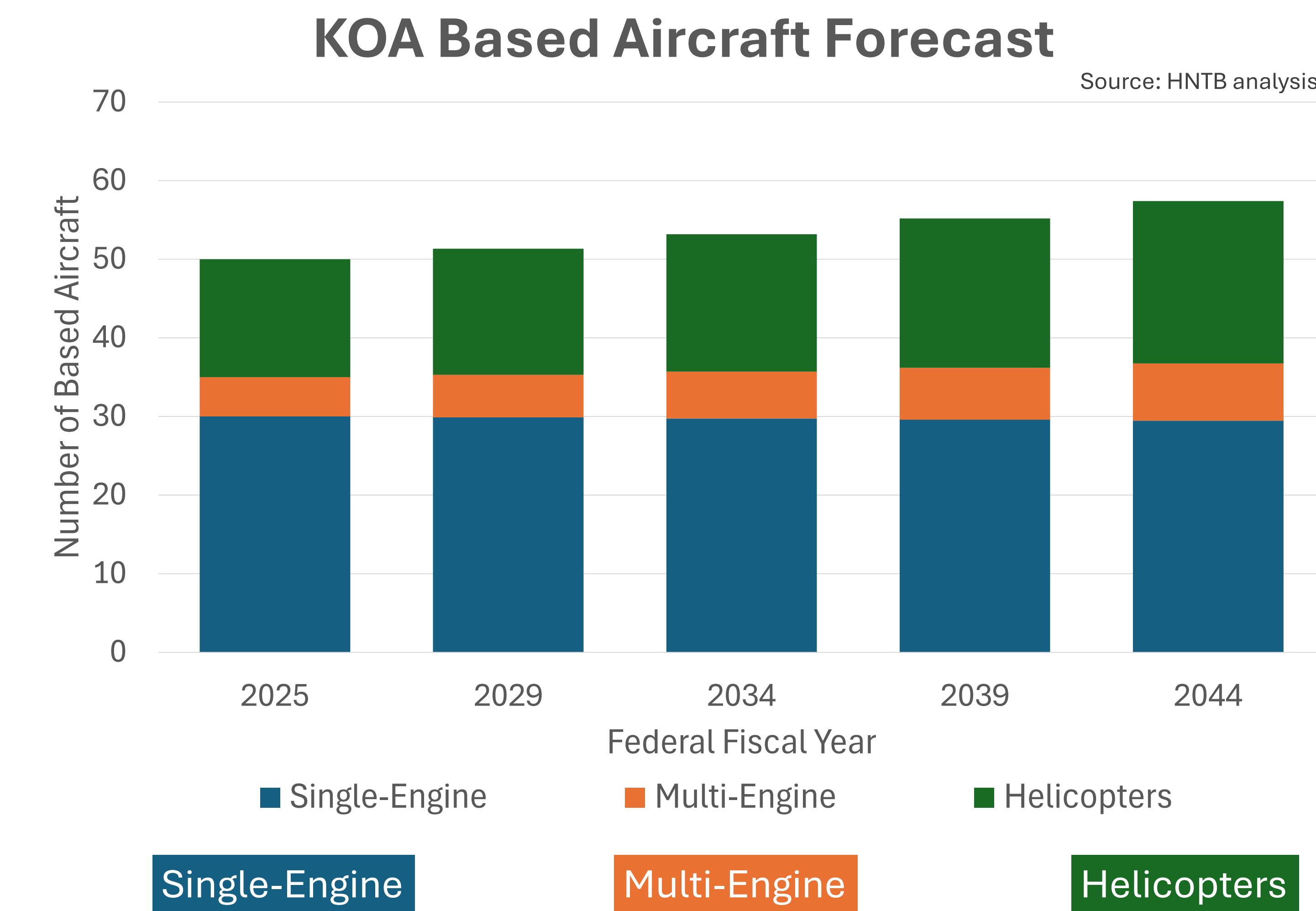
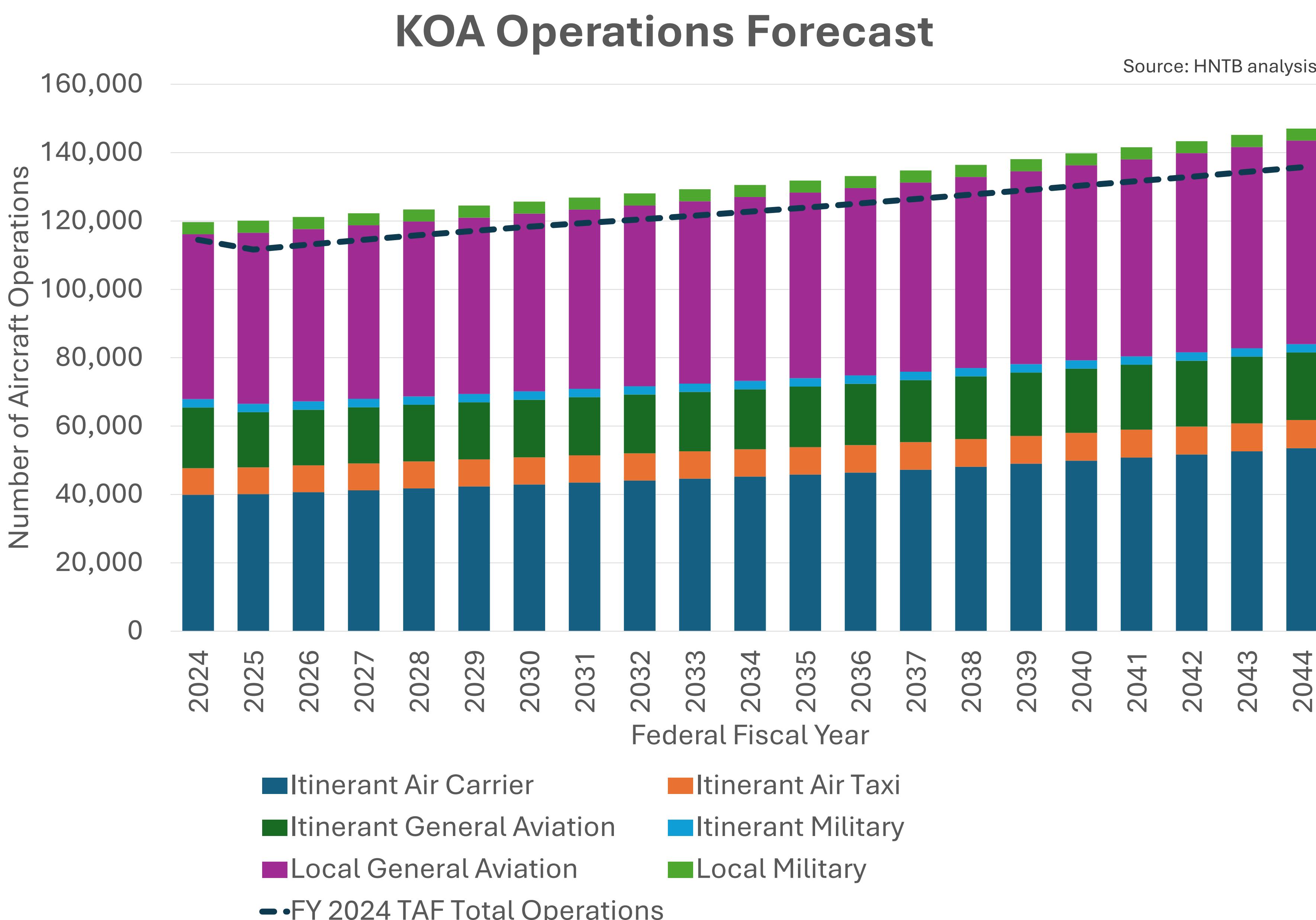


Forecasting enables KOA to plan and develop the appropriate facilities to accommodate projected demand.

# Forecast of KOA Aircraft Operations and Based Aircraft

Aircraft operations include different types of flights, such as commercial passenger airlines, cargo carriers, small air taxis, general aviation aircraft, and military flights.

A based aircraft is an aircraft that is kept at KOA and used regularly throughout the year.



#### Key Terms

**Itinerant Air Carrier:** Flights between airports using large aircraft (over 60 seats or more than 18,000 pounds) to carry passengers or cargo for hire, including U.S. and foreign airlines.

**Itinerant Air Taxi:** Flights between airports using small aircraft (60 seats or less, or under 18,000 pounds) to carry passengers or cargo for hire.

**Local Operations:** Flights that stay near the airport, including training flights, or trips within 20 miles of the same airport.

**Itinerant General Aviation:** Flights between airports by civil aircraft that are not air carriers or air taxis.

**TAF:** The Terminal Area Forecast (TAF) is the official FAA forecast of aviation activity for U.S. airports.

# Next Steps and Submit Comments

- Submit forecast for FAA's review and approval
- Proceed with development of facility requirements

Share your comments with us by choosing one of the following options:

- Submit a paper comment and place in comment box
- Go to [koamasterplanupdate.com/](http://koamasterplanupdate.com/) and submit a comment



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