

Huntington Tri-State Airport Master Plan Update

Planning Advisory Board Meeting #1

OCTOBER 5, 2023

AGENDA

- Team Introductions
- Master Plan Background & Process
- Advisory Committee Role & Objectives
- Stakeholder Involvement
- Ongoing Work & Next Steps
- SWOT Analysis

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Team Introductions

Consultant



Nathan Lemon – On-Call Program Manager
Colin Wheeler – Master Plan Project Manager
John Coliton – Master Plan Deputy Project Manager
Alisha Radstake – Project Planner
Samah Safiullah – Project Planner

Airport



Brent Brown – Airport Director

Master Plan Advisory Board

- **Chris Chiles** - HTS Board Member, Director of KYOVA Interstate Planning Commission
- **David Lieving** - HTS Board Member, Director of the Huntington Area Development Council
- **Danny Pelfrey** - HTS Board President, retired, GA pilot
- **Ashley Draper** - HTS, Director of Admin
- **Calep Pack** - HTS, Operations Supervisor
- **Donald Clark** - FAA, HTS Tower Manager

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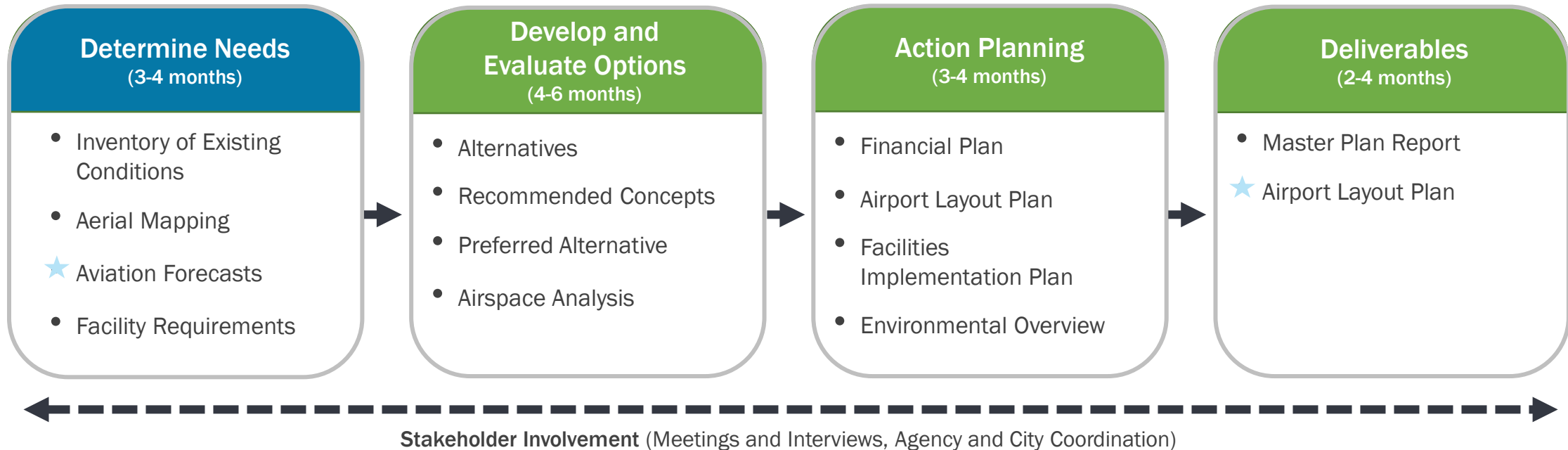
WHAT IS AN AIRPORT MASTER PLAN?

- Describes the long-term need for and timing of airport improvements
- Recommended by the FAA every 8 to 10 years
- Will guide future airport development that:
 - Is cost effective
 - Satisfies demand
 - Supports Airport optimization, enhancement, and safety
 - Creates a feasible, milestone-based capital development program
 - Considers environmental and socioeconomic impacts



Source: Huntington Tri-State Airport

AIRPORT MASTER PLANNING PROCESS



★ Requires FAA Approval

ADVISORY BOARD ROLE AND OBJECTIVES

- Provide local and technical expertise
- Facilitate a variety of viewpoints
- Attend all meetings, if possible
- Provide individual perspectives on issues
- Review and provide comment on project deliverables

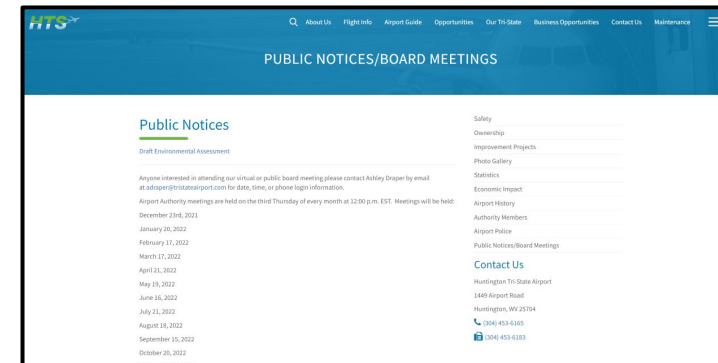
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STAKEHOLDER INVOLVEMENT

Planning Advisory Board

HTS Area Agencies/ Airport Authority



Public Input

Public workshops for the community

Public Website

Meeting notifications and study documents

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INVENTORY OF EXISTING CONDITIONS

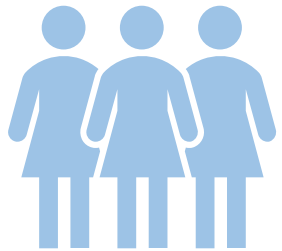
- Assemble information, data, and mapping
- User/tenant surveys and interviews
- Information collected includes:
 - History and background information
 - Regional setting and surrounding land uses
 - Physical facilities
 - Historical aviation activity
 - Environmental setting



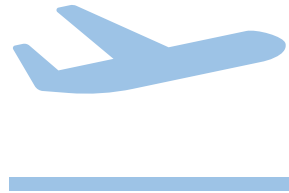
Source: NearMap, 2023.

AVIATION ACTIVITY FORECASTING

Forecasting is a tool used for predicting future demand/activity at the Airport based on local and industry trends.

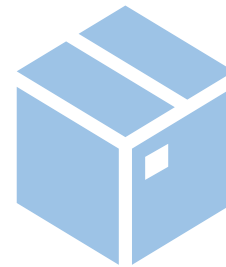


Enplanements



Operations

(Commercial, General Aviation,
Cargo & Military)



Cargo Tonnage



Based Aircraft

AVIATION ACTIVITY FORECASTING

How and Why?



Inputs

- Historical Activity Data
 - Enplanements
 - Operations
 - Based Aircraft
 - Fleet Mix
- Historical Trends
- Regional Socioeconomic Data and Market Activity
- Local and Industry Trends



Methodologies

- Data Processing
- Time Series Model
- Econometric Modeling
- Market Share Forecast
- Top-Down Analysis
- Trend-Driven Analysis



Output

- Projected Airport Activity for 2022-2042
 - Enplanements
 - Operations
 - Based Aircraft
 - Cargo Tonnage
- Activity Peaking Characteristics
- Critical Aircraft Determination



Outcomes

- Inputs for Facility Requirements
- Infrastructure Development Plan



Impact

- Airfield Capacity
- Facility Requirements
- Capital Improvement Program

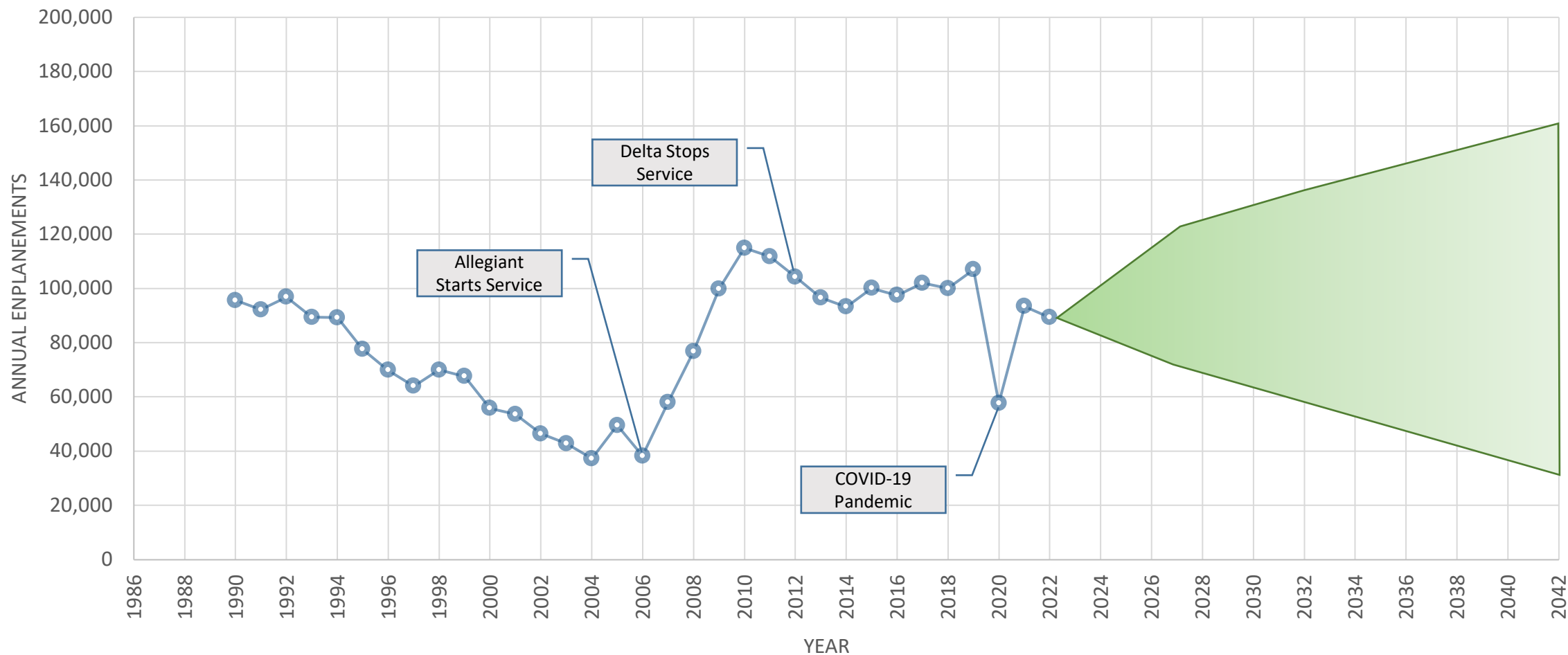
Planned Work

Intended Results

INDUSTRY TRENDS

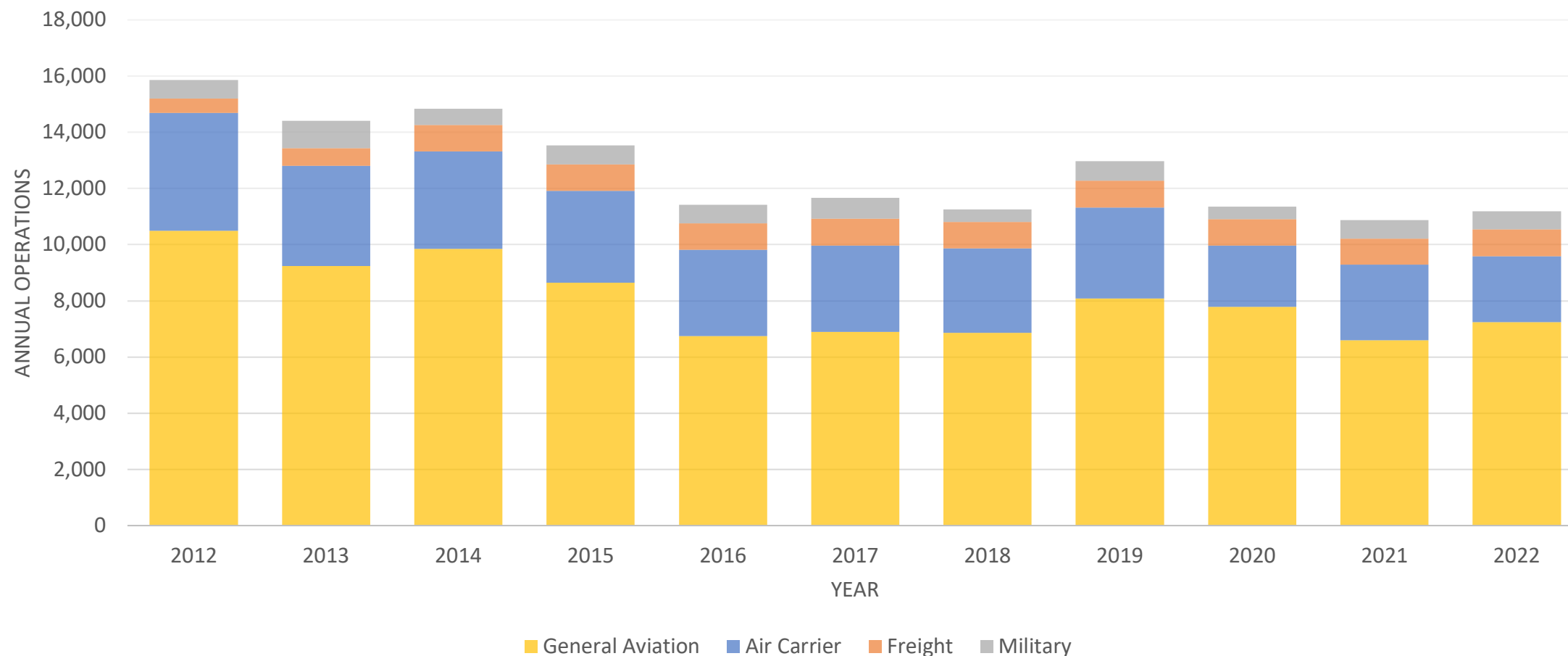
- COVID-19 Impact and Recovery
- Technological Advances
- Pilot Shortage
- Fleet Mix Changes
- Growth in Leisure Market
- Growth in Cargo Market
- UAV/AAM

HISTORICAL ACTIVITY - ENPLANEMENTS



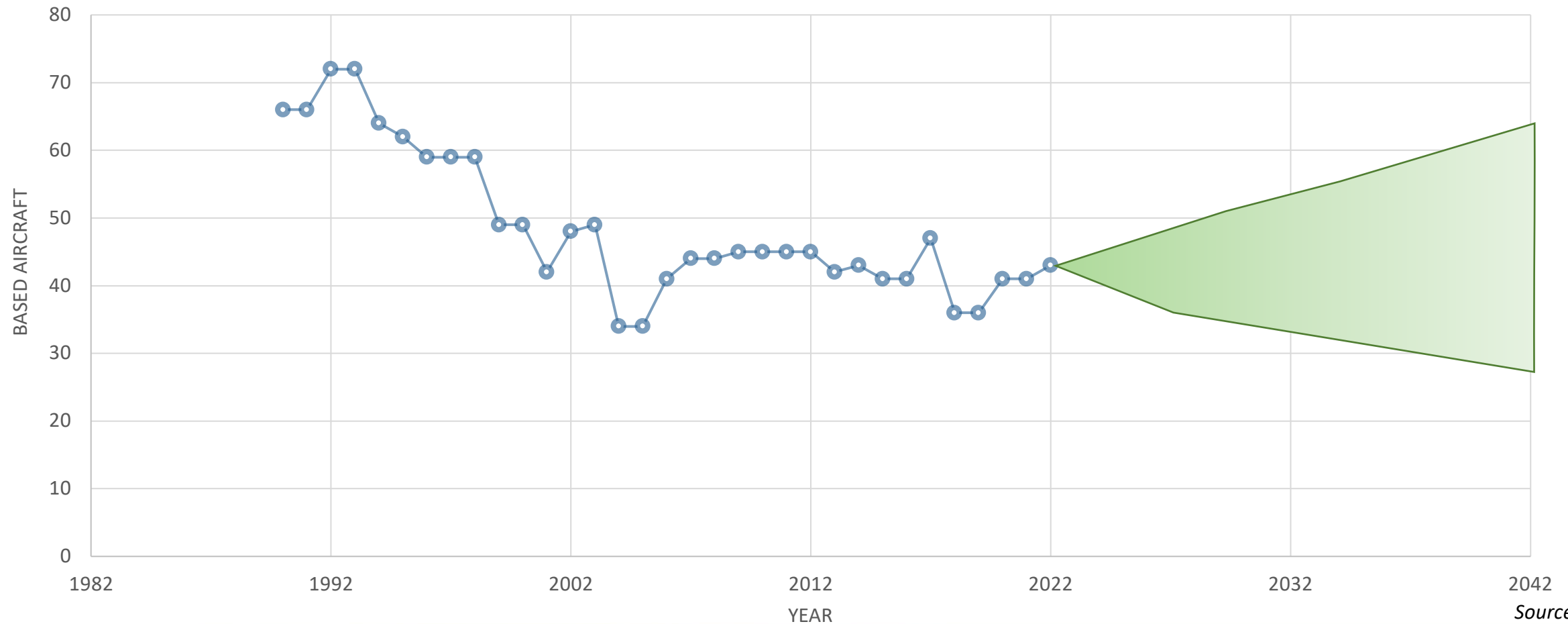
Sources: TAF, 1990 – 2011; BTS, 2012 – 2022.

HISTORICAL ACTIVITY - OPERATIONS



Sources: TFMSC (Air Carrier and Freight); TAF(Military and GA).

HISTORICAL ACTIVITY - BASED AIRCRAFT



CRITICAL AIRCRAFT



Boeing 757-200

2022 Operations: 919

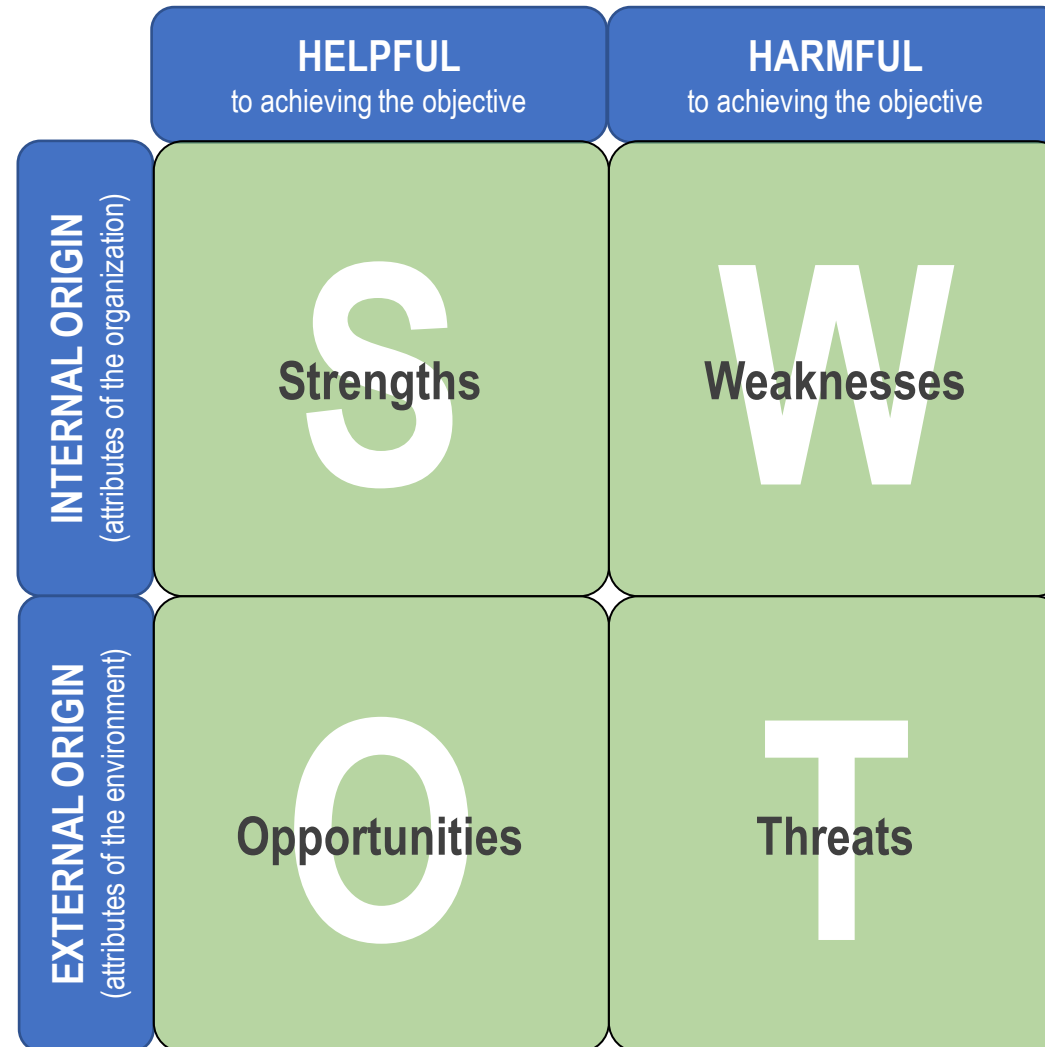
ONGOING WORK AND NEXT STEPS

- **Inventory of Existing Conditions:** Draft nearing completion
- **Airport GIS survey:** Complete
- **Aviation Activity Forecasts:** Ongoing
- **Stakeholder Involvement:** Planning Advisory Board to review Inventory and Forecasts

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Huntington Tri-State Airport **Master Plan**



Strengths

- Location (tri-State)
- Regional Airport
- Available land for runway access
- AMT School
- Terminal (convenient, easy, comfortable)
- Community support
- Proximity to Marshall
- Large hospital networks
- Participatory stakeholders
- Diverse manufacturing industry/economy, major refinery
- Low cost of living
- Commercial air service, lower airfares
- Large runway, potential for expansion
- Good pavement condition
- Support from regulatory agencies, good access to political leaders
- FAA Tower and Staff, 24 hour tower, training tower
- Connectivity to interstate, river, rail - multi-modal
- Climate, climate migrants
- West Virginia beauty

Weaknesses

- Parking (layout, access, lot and ticketing)
- Topography, space
- Terminal/holding– waiting area could be larger, more seating, air conditioning
- Hangar space
- Fuel Farm (capacity on the landside)
- Restaurants (more options), concessions (availability)
- Limited revenue, especially on landside
- Lack of commercial vehicles/TNC
- PFC and CFC collections (limited)
- Tower doesn't allow for building up/vertical expansion
- Tower location (south facing)
- Utilities
- ARFF needs (hangar is undersized, ARFF Truck is aged, snow removal building undersized)

Opportunities

- Southside development
- GA Growth
- Marshall maintenance school growth
- Potential flight school
- Tourism growth
- I-73 Corridor connectivity
- Electrification, solar, sustainable options
- Expansion of flight options and associated infrastructure expansion
- Additional freight traffic
- Regional economic development
- FedEx Hub
- Military training and growth

Threats

- Weather
- Population decline
- Socio-economic conditions
- Location, relative to other airport options
- Leakage
- Industry trends
- Political impacts/leaders
- Funding challenges/lack of funding
- Protected areas, endangered species/habitat
- Residential input
- Loss of aircraft operations

QUESTIONS / COMMENTS

Please send additional questions and comments to:

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2023 Aerial