



Technical Advisory Committee (TAC)



Project Team

Kimley»Horn

Expect More. Experience Better.



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Executive Director



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Airport Planner, East



Grant Erwin
Airport Planner, West



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Project Manager



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Principal-in-Charge



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Lead Analyst

Joined by:



Summer Marr



Sarah Arnold



Agenda

1 Technical Advisory Committee (TAC) Role and Purpose

2 Project Overview

3 2025 NDSASP Update

4 System Performance and Aviation Activity Forecasts

5 2025 NDAEIS Update

6 Next Steps



TAC Members

NDAC

*Mike McHugh
Kim Kenville*

FAA Airports District Office

Brian Schuck

Grand Forks Intl Airport

Ryan Riesinger

Mandan Regional Airport

Lindsay Gerhardt

ND Department of Commerce

Landon Johnson

North Dakota Aviation Association

Tanner Overland

Bismarck Aero – FBO

Jon Simmers

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Chad Orn

ND IT Dept – GIS

Bob Nutsch

NPUAS Test Site

Trevor Woods

ND Greater Chamber/Economic Development

Amanda Remyne

AirMed – Air Medical Operator

Robert “RD” Reimers

UND – Aircraft Mechanic

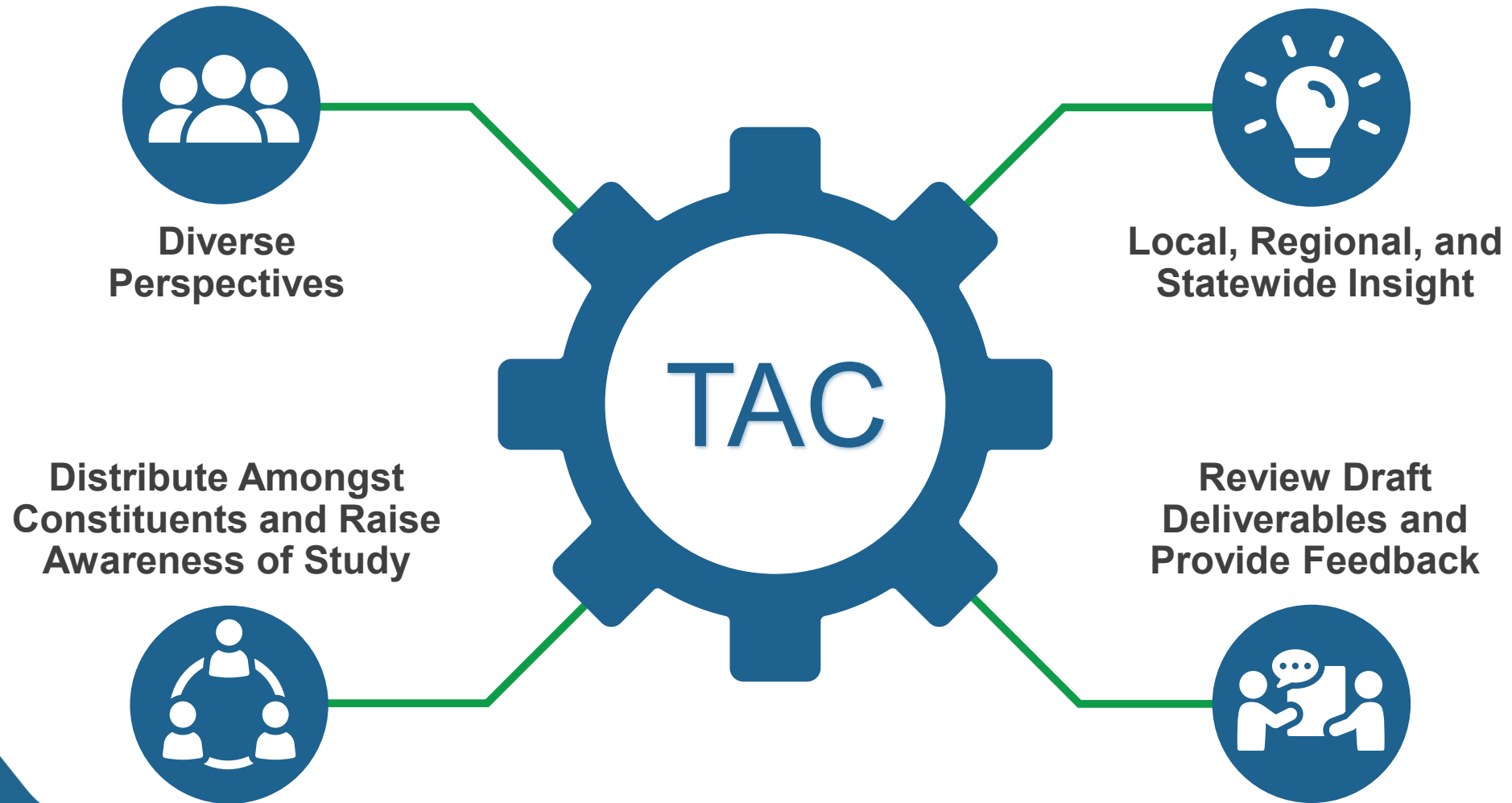
Dan Kasowski

Aerial Applicator

Matt Hovdenes



TAC Role and Purpose





Project Purpose



2025 North Dakota
State Aviation System Plan



2025 North Dakota
Aviation Economic Impact Study

Update to 2014 NDSASP

- Provides roadmap for long-term planning
- Guides future decision making
- Identifies system needs



Update to 2015 NDAEIS


- Documents contributions of public-use airports
- Justifies continued investment
- Helps communicate airport benefits and value











Visit the Project Website: <https://2025ndsasp.com/>



Project Timeline

-  Virtual TAC Meeting
-  Regional Presentations
-  Fly ND Conference

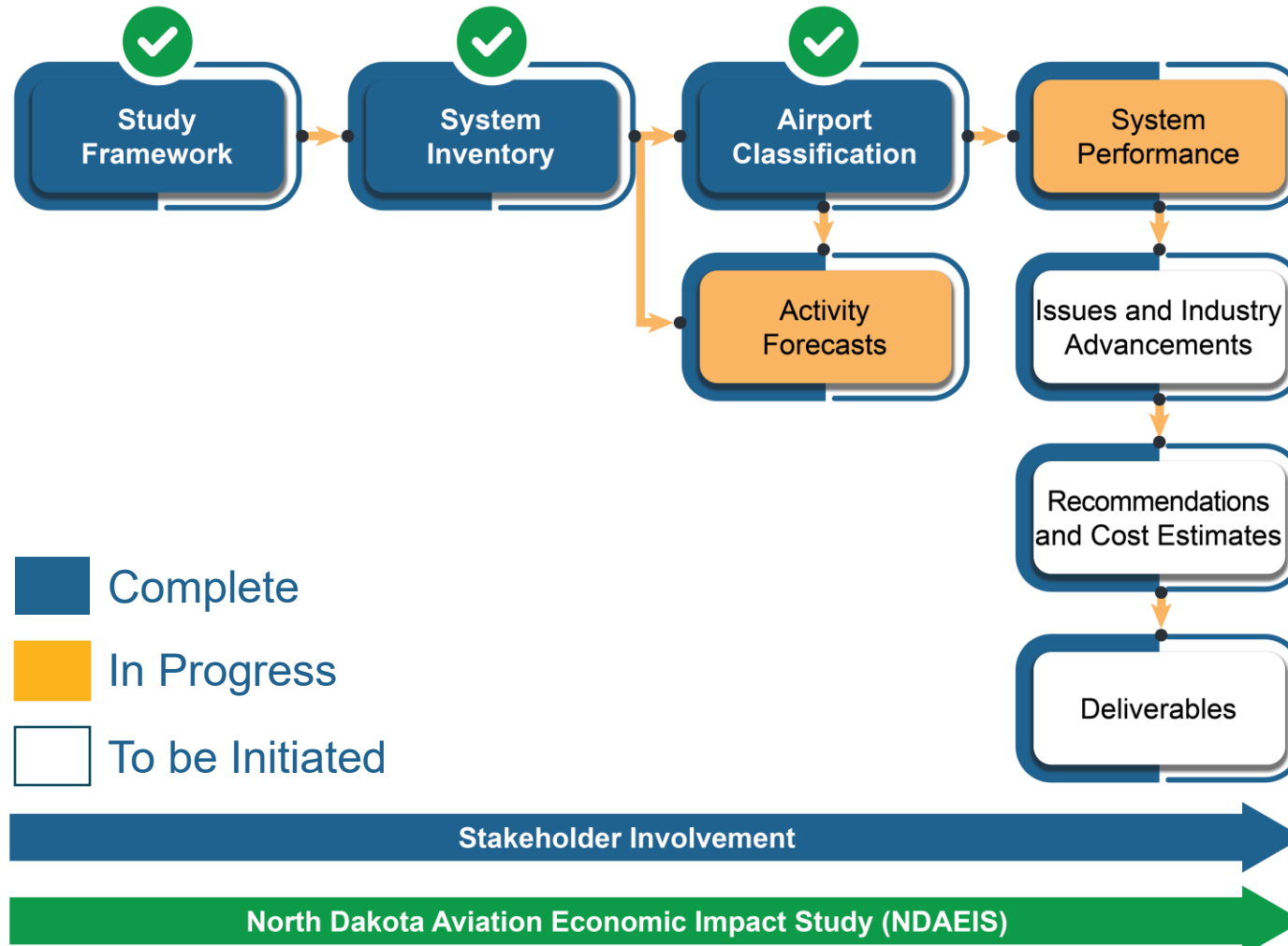
	Month	2024				2025												2026							
		S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
Task 1	Study Design																								
Task 2	Project Management																								
Task 3	Stakeholder Engagement																								
Task 4	2025 NDSASP Framework (Goals, Performance Measures, Benchmarks)																								
Task 5	Airport Classification																								
Task 6	System Inventory																								
Task 7	Activity Forecasts																								
Task 8	System Performance																								
Task 9	Issues and Industry Advancements																								
Task 10	Recommendations and Cost Estimates based on Findings																								
Task 11	Economic Impact Study																								
Task 12	2025 NDSASP and NDAEIS Final Documents																								
Task 13	Website Story Maps and GIS Development																								




2025 NDSASP Project Update




Study Process and Ongoing Efforts



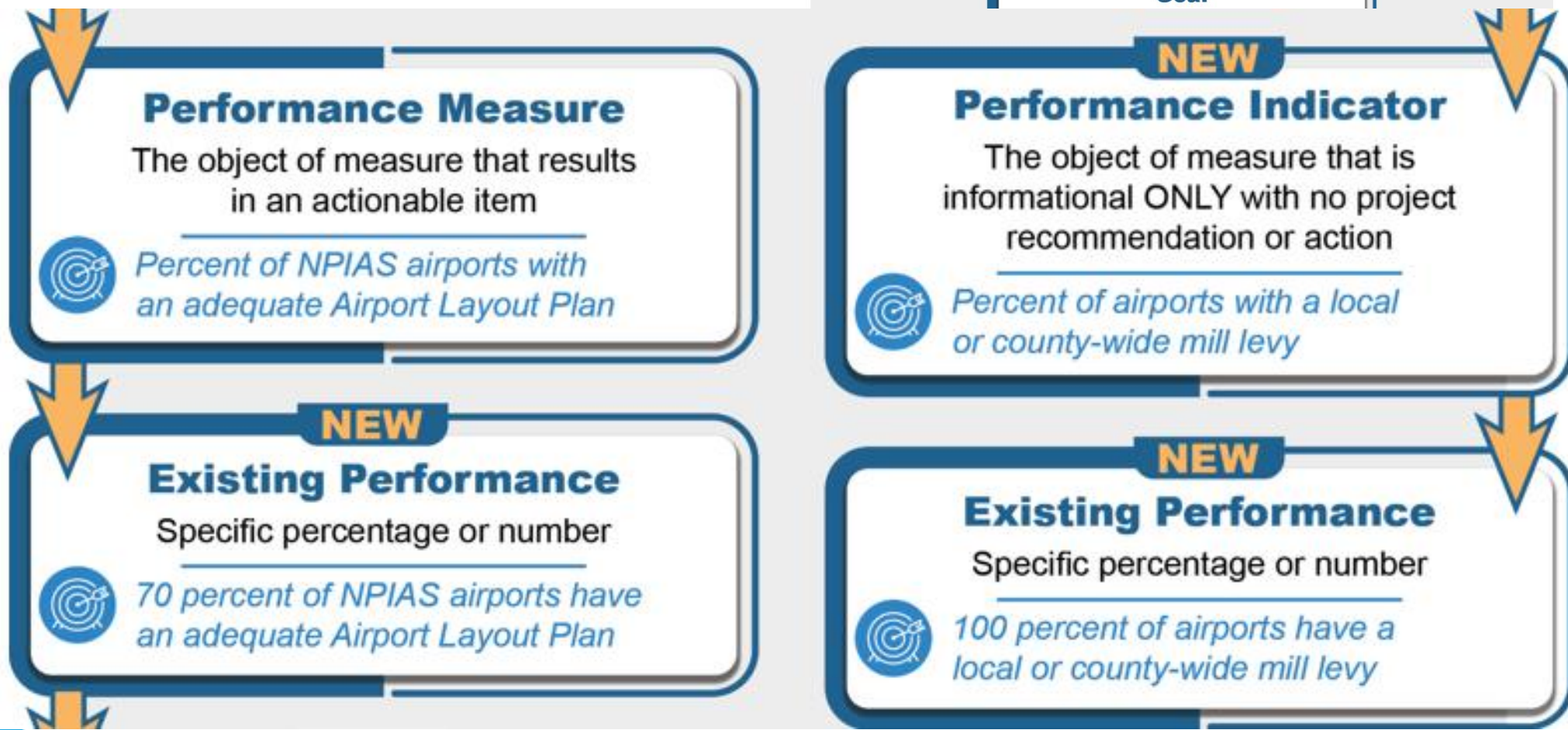
A blue-tinted photograph of a twin-engine propeller aircraft in flight, positioned in the upper left corner of the slide.

2025 NDSASP System Performance

A large, orange-tinted photograph of a biplane parked on a grassy field, serving as the background for the main title.



Study Framework





System Performance – Purpose

- **Assesses system performance against defined metrics within each goal**
- **Uses data collected from Airport Sponsors, NDAC, and other State and Federal sources**
- **Tracks performance over time**
- **Informs future system performance targets**

System Goals and Metrics are outlined more in the upcoming slides!



System Goals



Percent of Airports:

- With Clear Approaches to All Runway Ends
- With Public Gatherings in the RPZs



- Percent of Airports that Meet the Light Business Jet Criteria
- Percent of Area and Population within 30 minutes of Airport that can Meet the Needs of the King Air Emergency Aircraft



Percent of Area and Population:

- Within 30 Minutes of All Public-Use Airports
- Within 30 Minutes of a NPIAS Airport



Percent of Airports:

- Meeting State PCI Thresholds on Primary Runways
- With an Adequate Airport Layout Plan



- Percent of Area and Population within 30 NM of an Airport with On-Site Weather Reporting
- Percent of Airports with Available Covered Aircraft Storage



Percent of Airports:

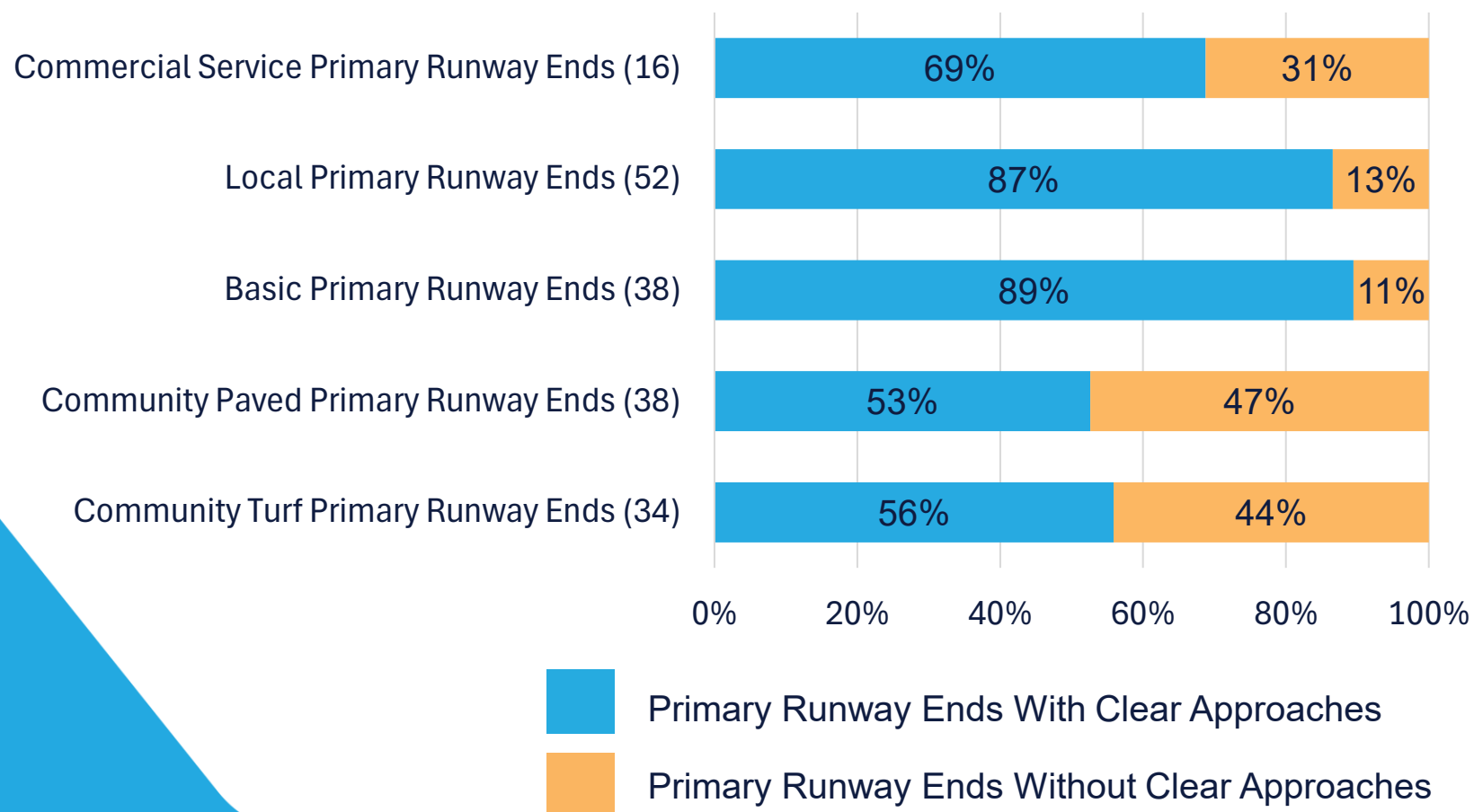
- That Offer Flight Training
- That Participate in STEM Activities



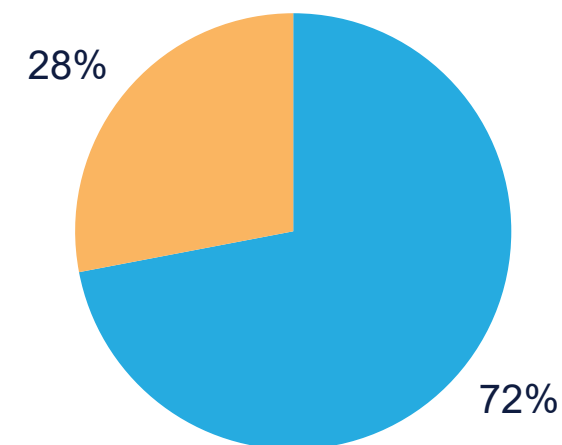
Maintain
a Safe
Aviation
System

PM: Percent of Airports With Clear Approaches to All Primary Runway Ends

Performance by Classification



Primary Runway Systemwide Performance

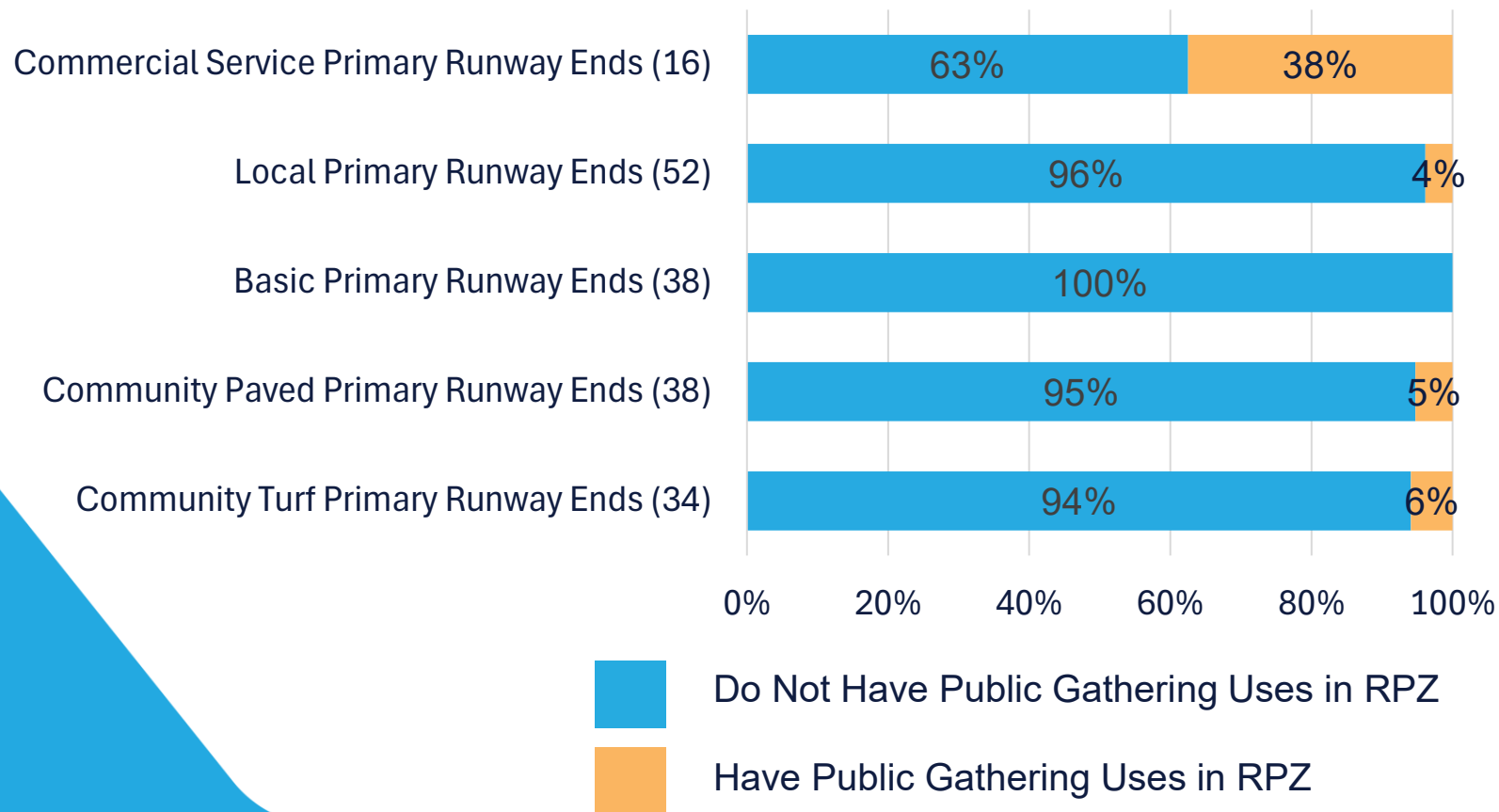




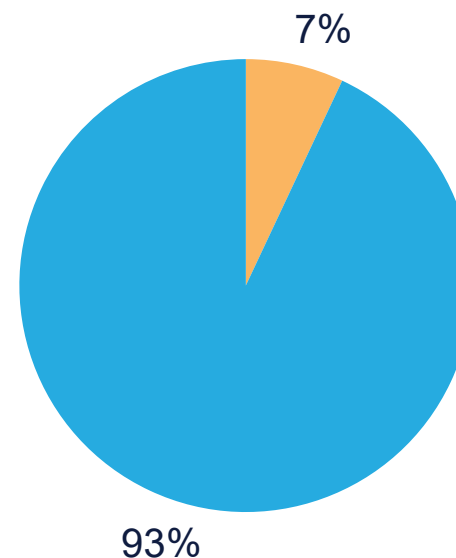
Maintain
a Safe
Aviation
System

PM: Percent of Airports With Public Gatherings in the Primary Runway RPZs

Performance by Classification



Primary Runway Systemwide
Performance

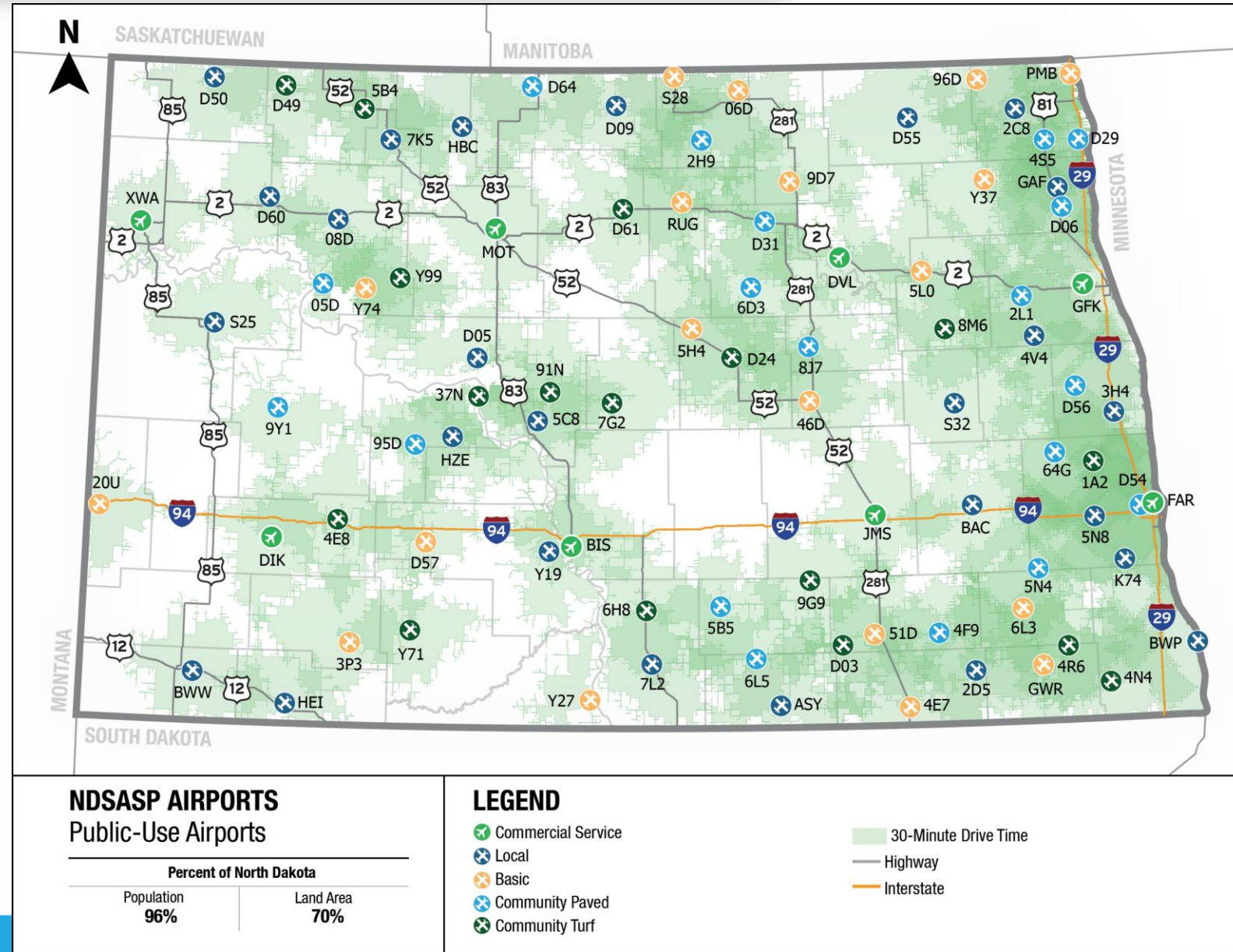




Promote Aviation System Coverage

PI: Percent of Area and Population Within 30 Minutes of All Public-Use Airports

Year	Population Coverage	Land Area Coverage
2014	93%	58%
2025	96%	70%
Δ	+3%	+12%

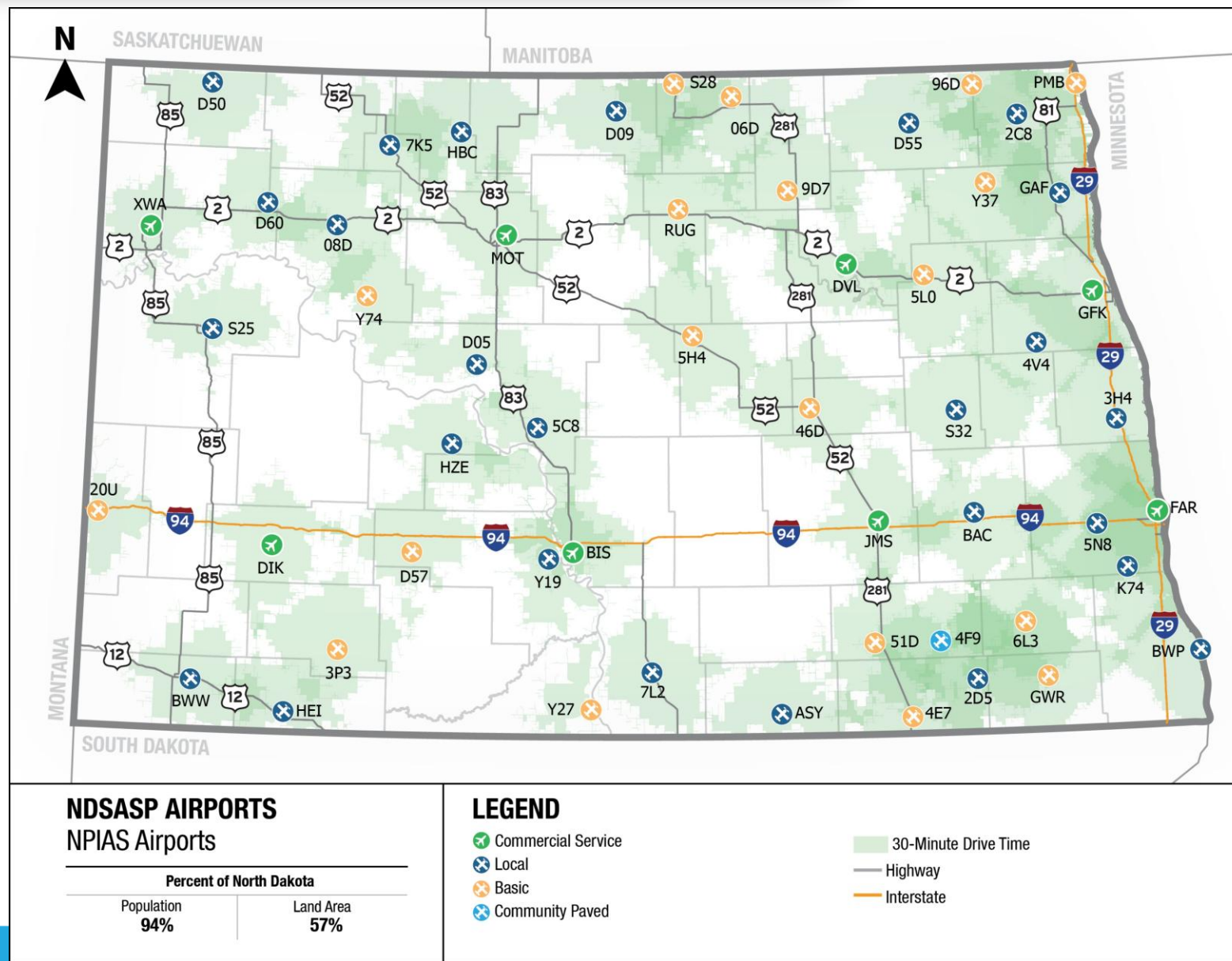




Promote
Aviation
System
Coverage

PI: Percent of Area and Population Within 30 Minutes of a NPIAS Airport

Year	Population Coverage	Land Area Coverage
2014	89%	43%
2025	94%	57%
Δ	+5%	+14%

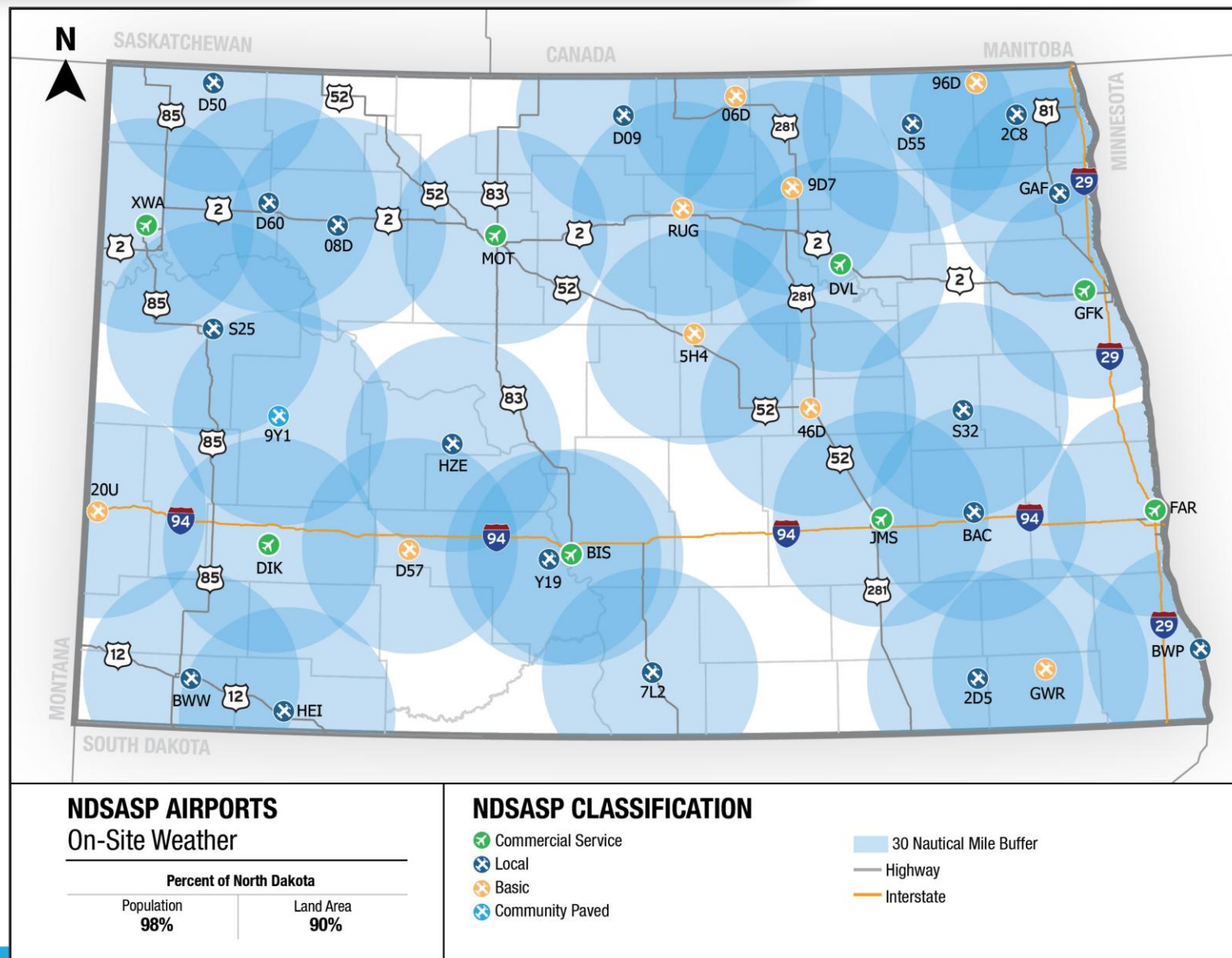




Provide
Air
Access to
Airports

PM: Percent of Area and Population within 30 Nautical Miles of an Airport With On-Site Weather Reporting (AWOS/ASOS)

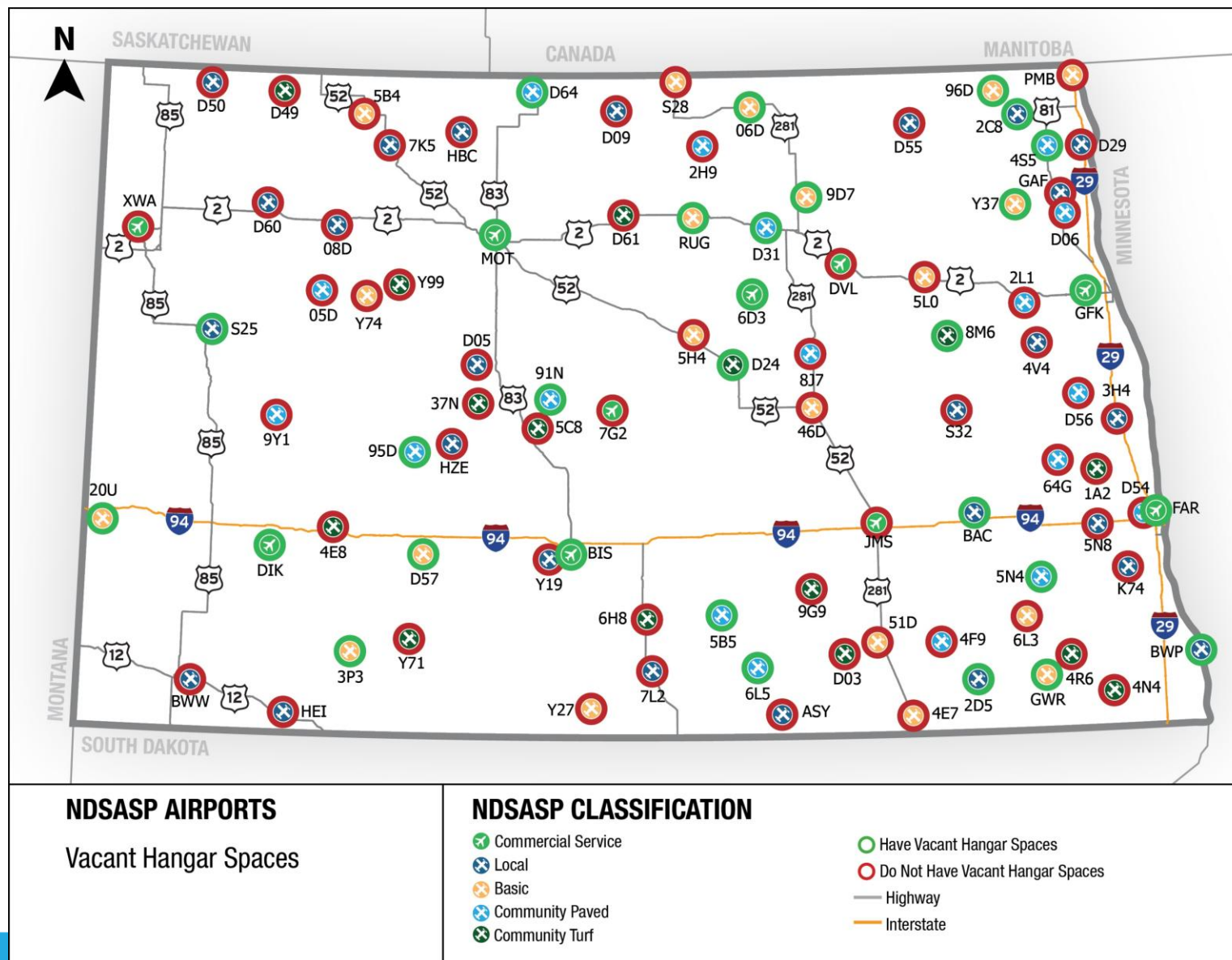
Year	Population Coverage	Land Area Coverage
2014	97%	87%
2025	98%	90%
Δ	+1%	+3%





Provide
Air
Access to
Airports

PM: Percent of Airports with Available Covered Aircraft Storage



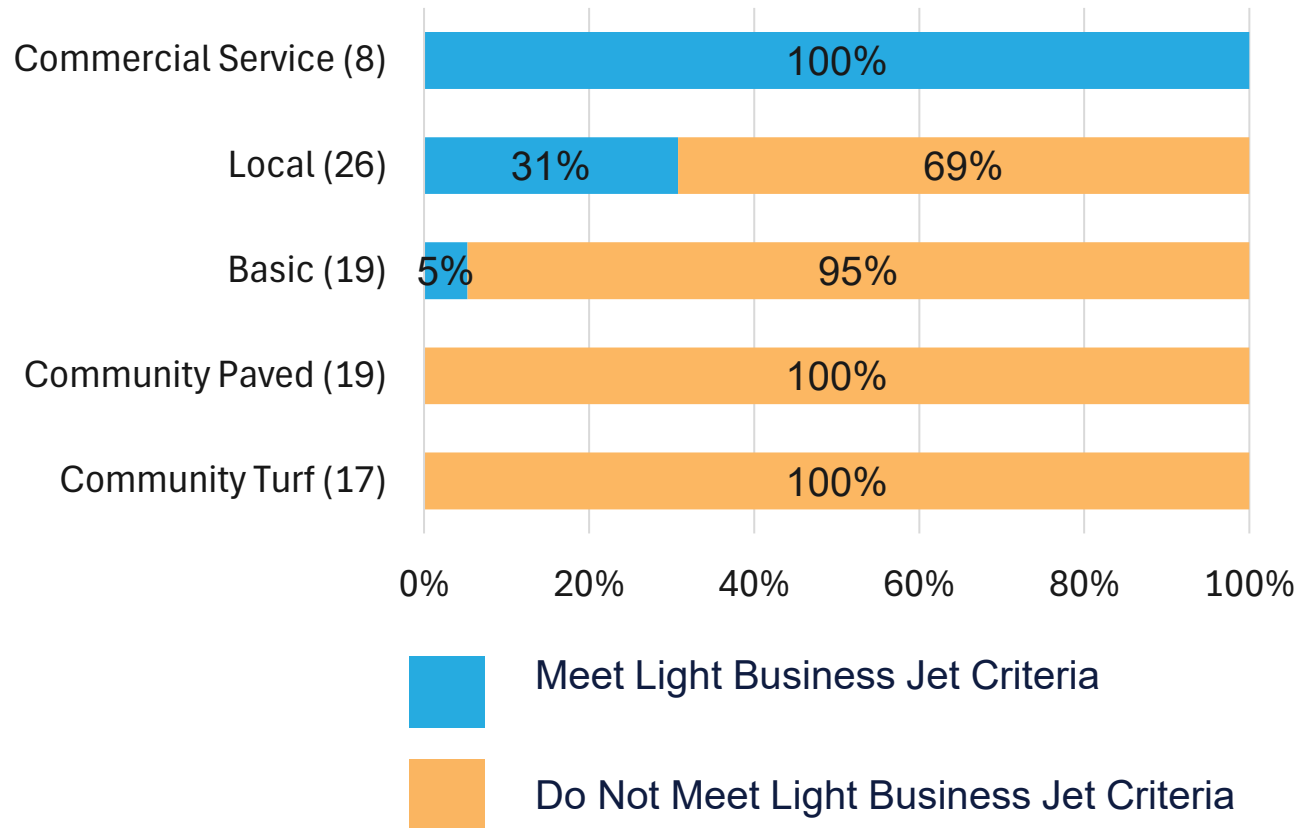


Enhance
Quality
of Life

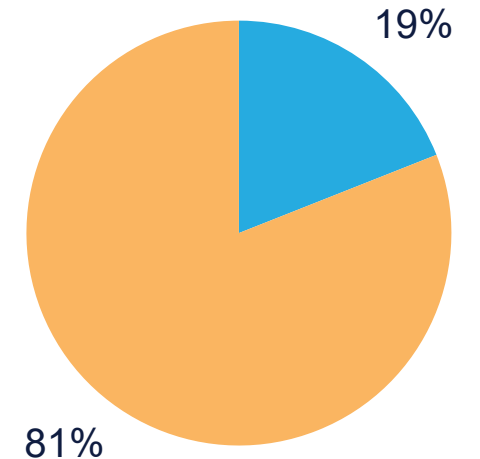
PI: Percent of Airports That Meet the Light Business Jet Capability Criteria

New!

Performance by Classification



Systemwide Performance

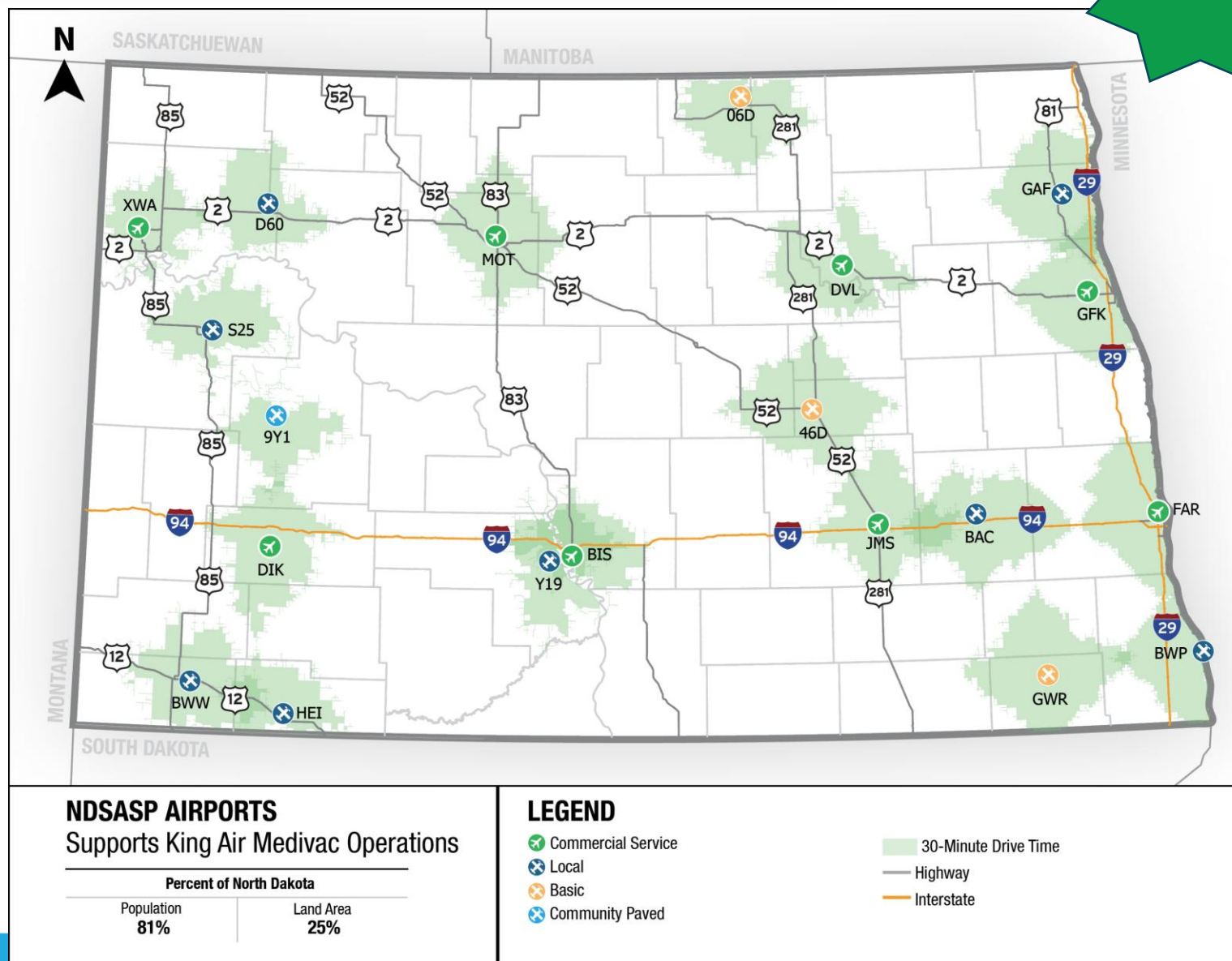




Enhance
Quality
of Life

PI: Percent of Area and Population Within 30 Minutes of an Airport That Can Meet the Needs of the King Air Emergency Aircraft

New!

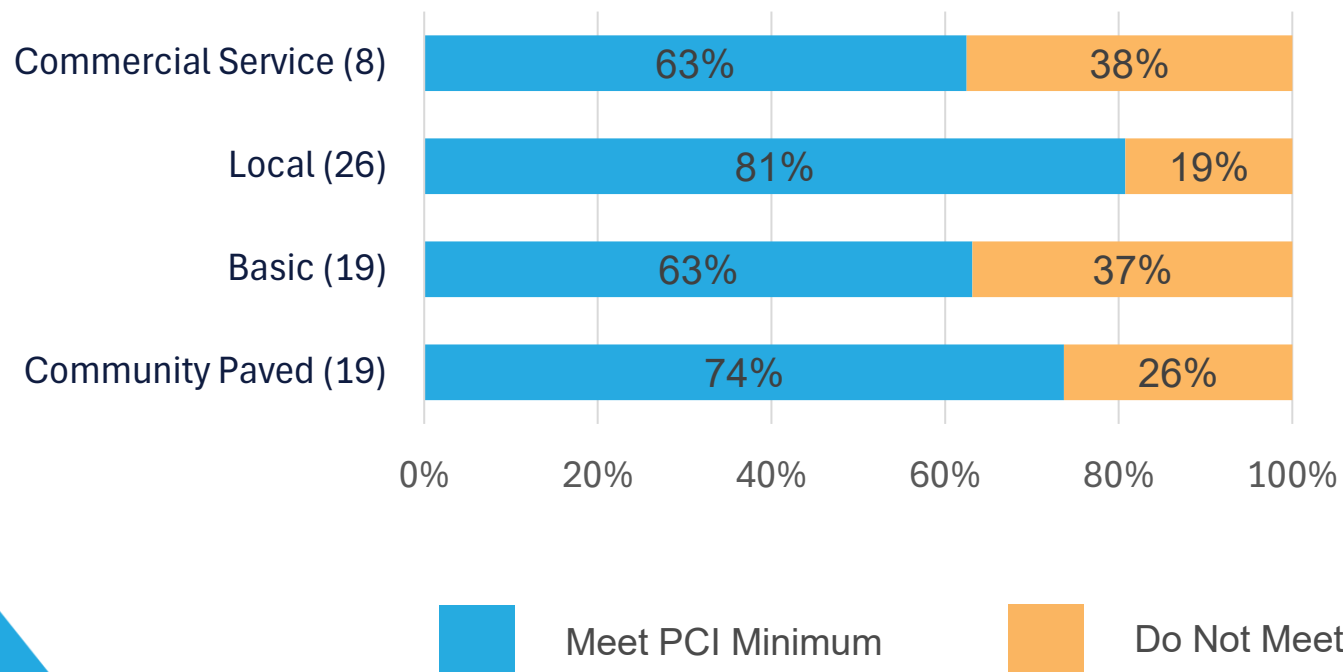




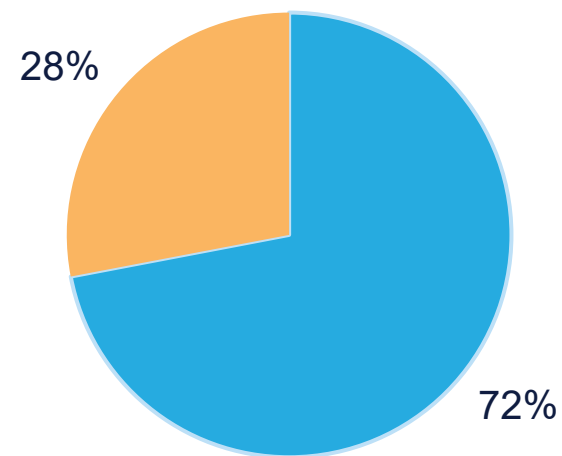
Preserve
Airport
Infrastructure

PM: Percent of Airports Meeting State PCI Thresholds on Primary Runways

Performance by Classification



Systemwide Paved Primary Runway
Performance

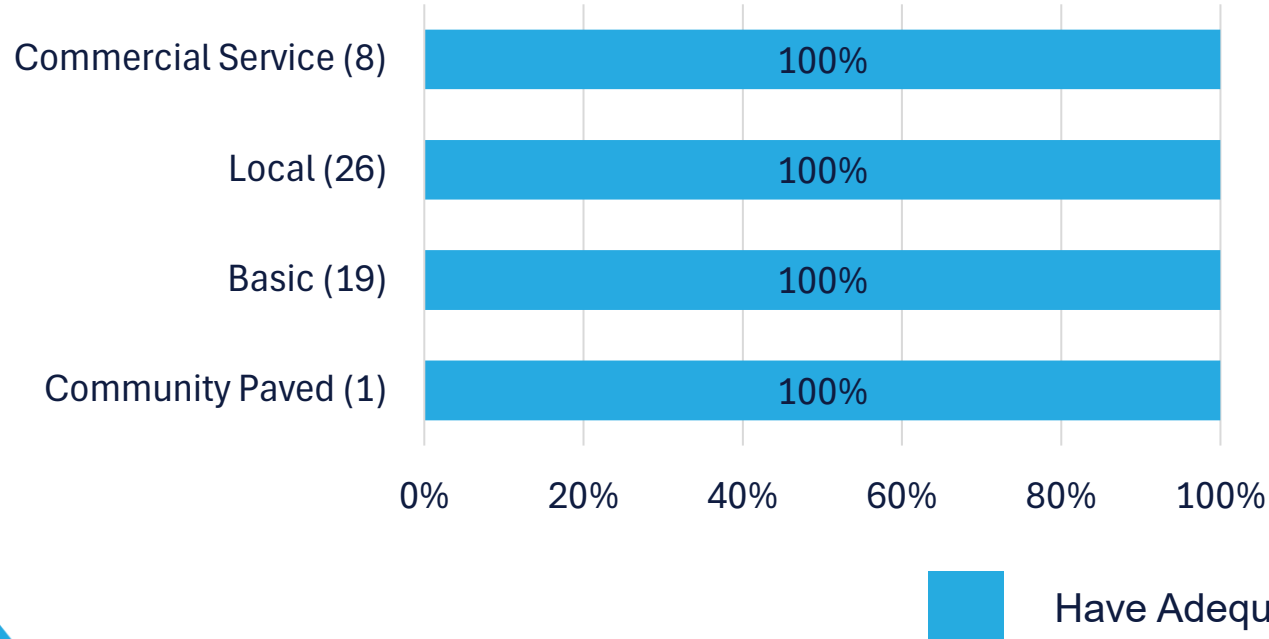




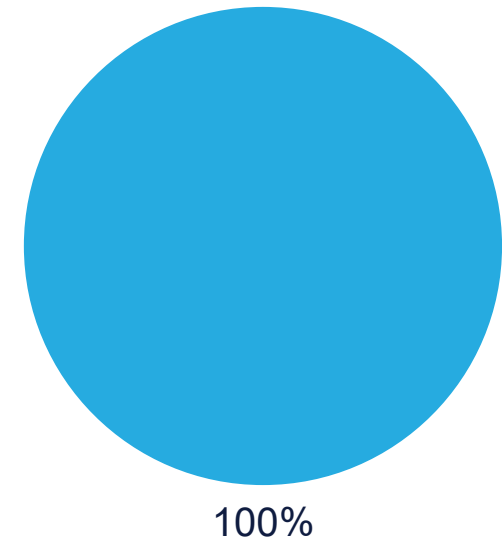
Preserve
Airport
Infrastructure

PM: Percent of NPIAS Airports With an Adequate Airport Layout Plan

Performance by Classification



NPIAS Performance



2014 Results: 91% of airports met the state ALP threshold.

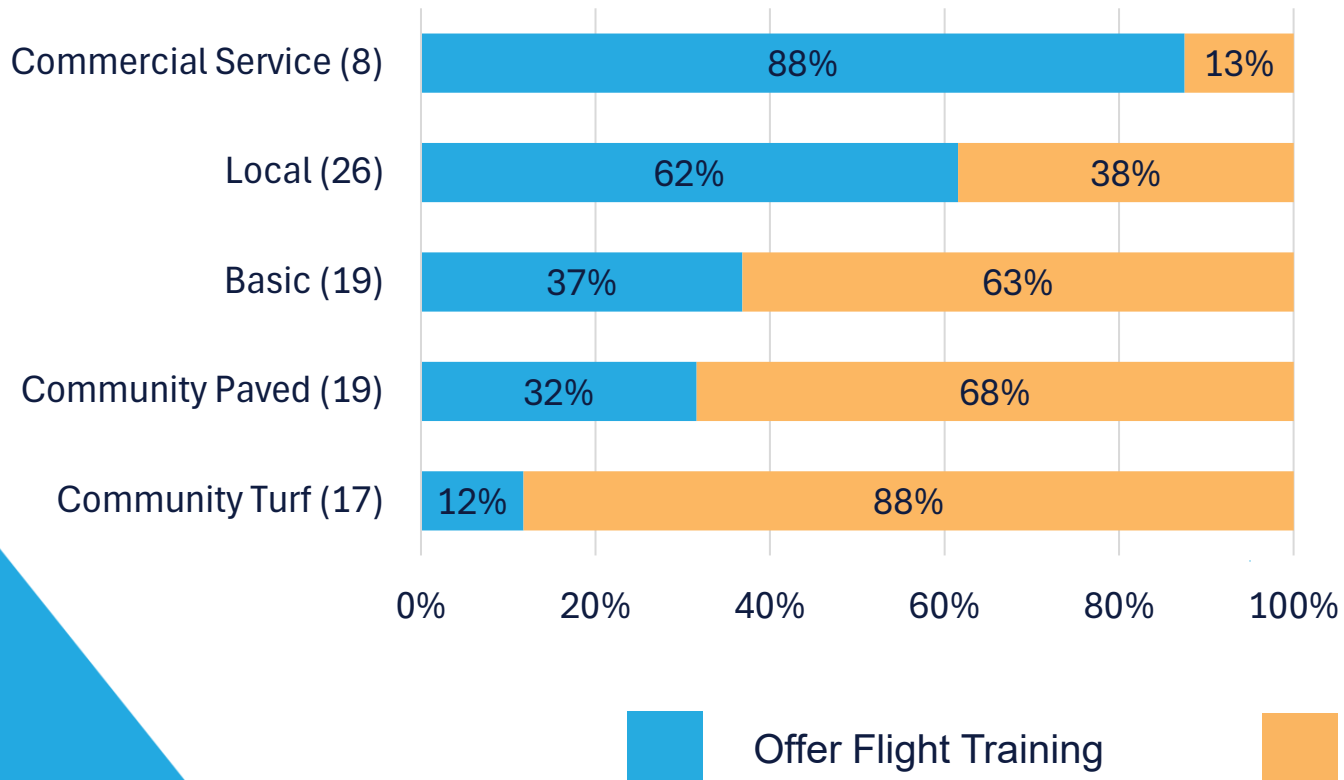


Support
Aviation
Education and
Industry
Advancement

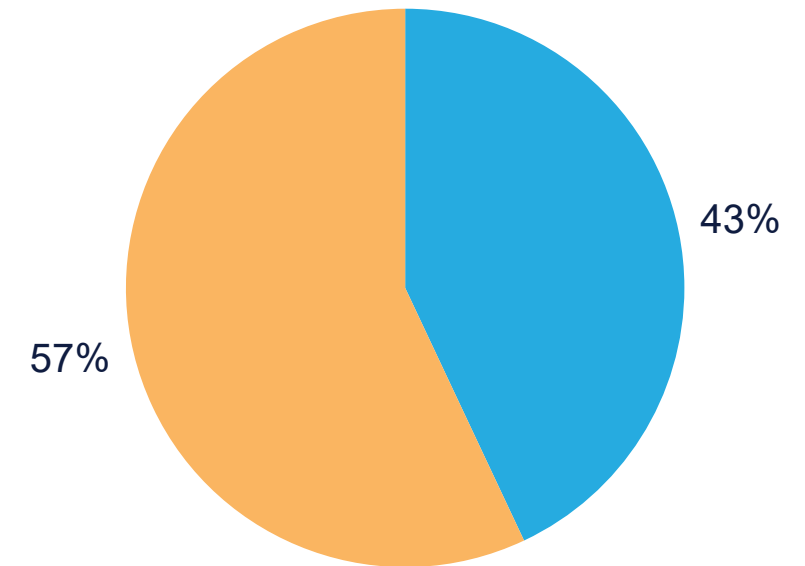
PI: Percent of Airports That Offer Flight Training

New!

Performance by Classification



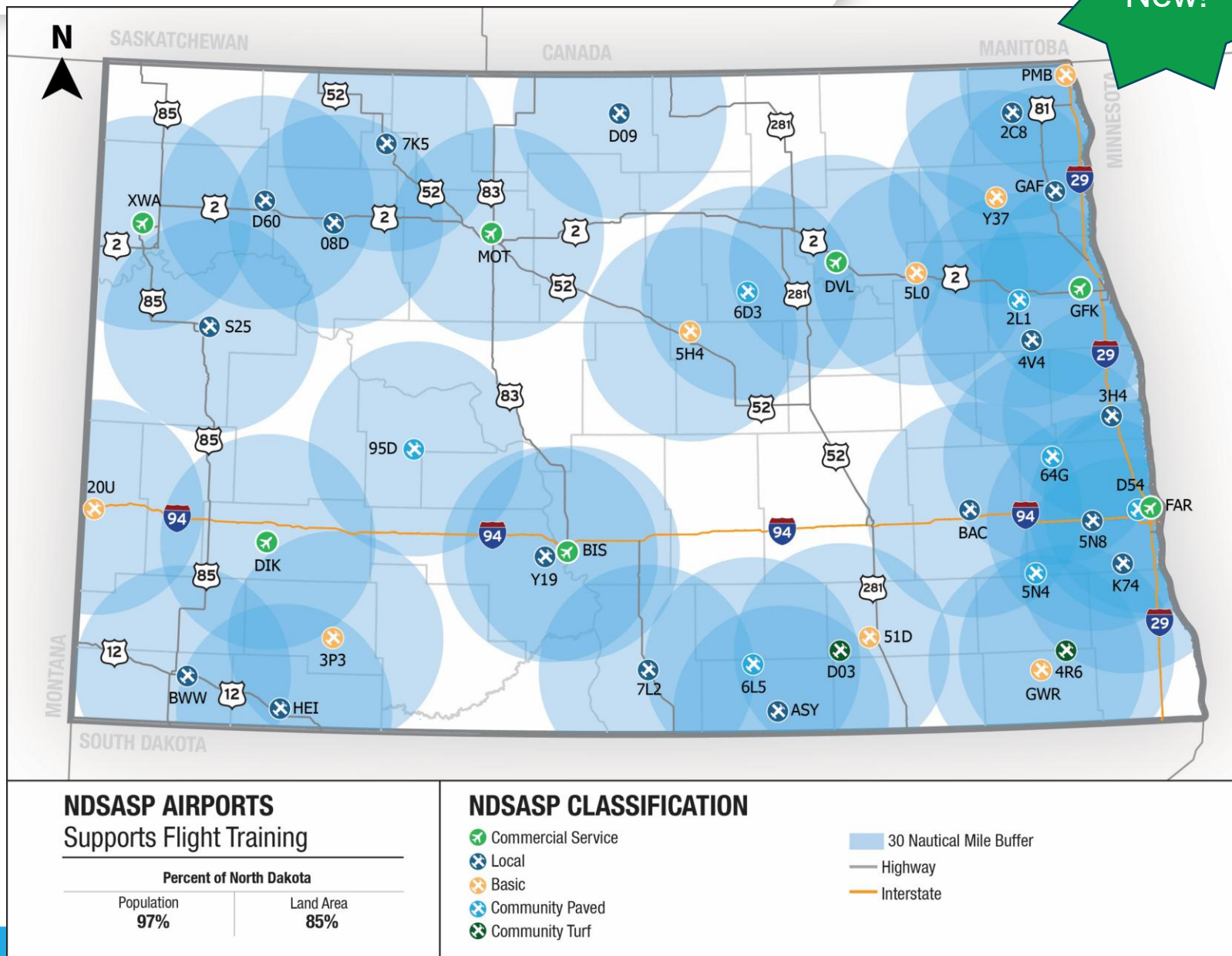
Systemwide Performance





Support
Aviation
Education and
Industry
Advancement

**PI: Percent of Area and
Population within 30
Nautical Miles of an Airport
that Offers Flight Training**



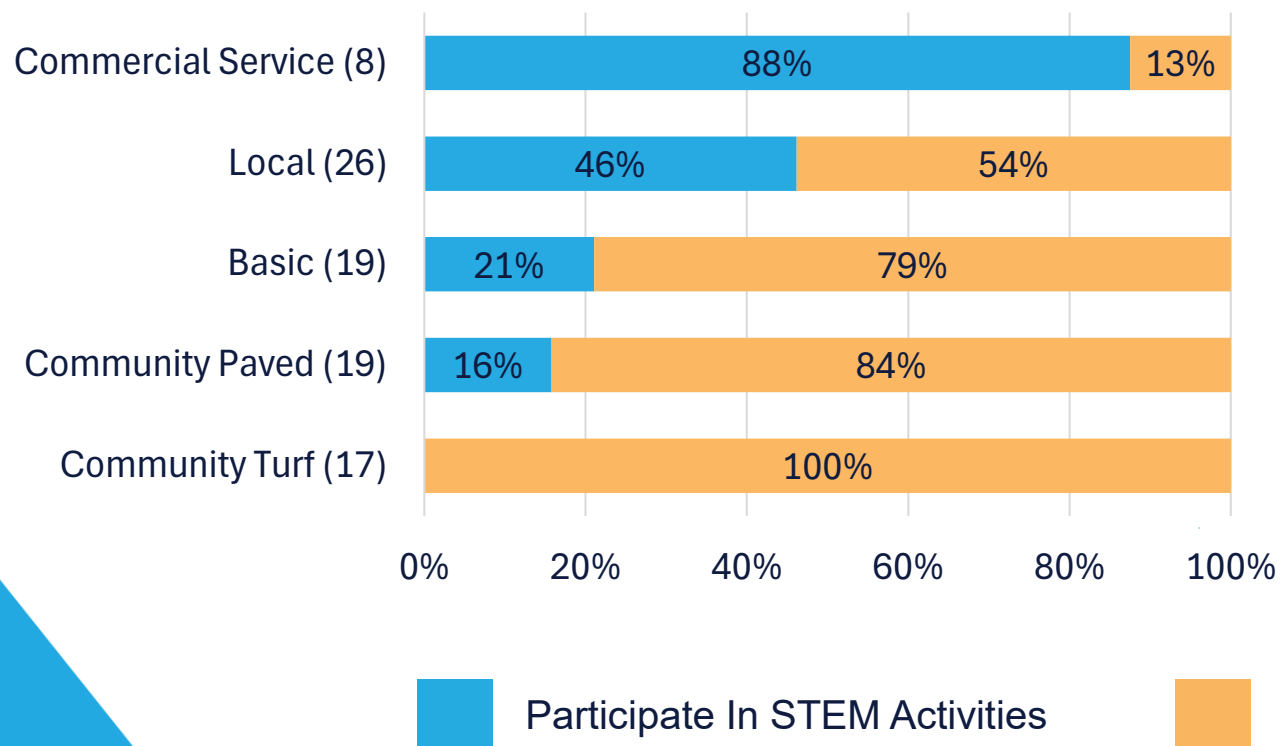


Support
Aviation
Education and
Industry
Advancement

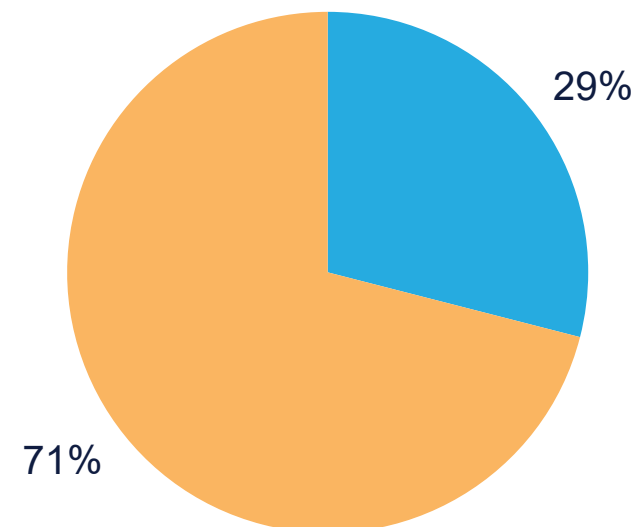
PI: Percent of Airports that Participate in STEM Activities (Tours, Classroom Visits, etc.)



Performance by Classification



Systemwide Performance



The background of the slide is split into two main visual areas. The top-left corner features a blue-tinted photograph of a twin-engine propeller aircraft in flight, viewed from a low angle. The rest of the slide is dominated by a large orange trapezoidal shape. Inside this shape, on the right side, is a faded, high-angle photograph of a biplane parked on a field of tall, dry grass. The text '2025 NDSASP Activity Forecasts' is overlaid in white on the orange background.

2025 NDSASP Activity Forecasts



Aviation Activity Forecast - Purpose

Why We Forecast:

- Support infrastructure planning and investment decisions
- Guide analysis for future development
- Required by FAA Advisory Circular (AC) 150/5070-7, The Airport System Planning Process

What We Forecast:

- Enplanements
- Commercial Service Operations
- Based Aircraft
- General Aviation Operations

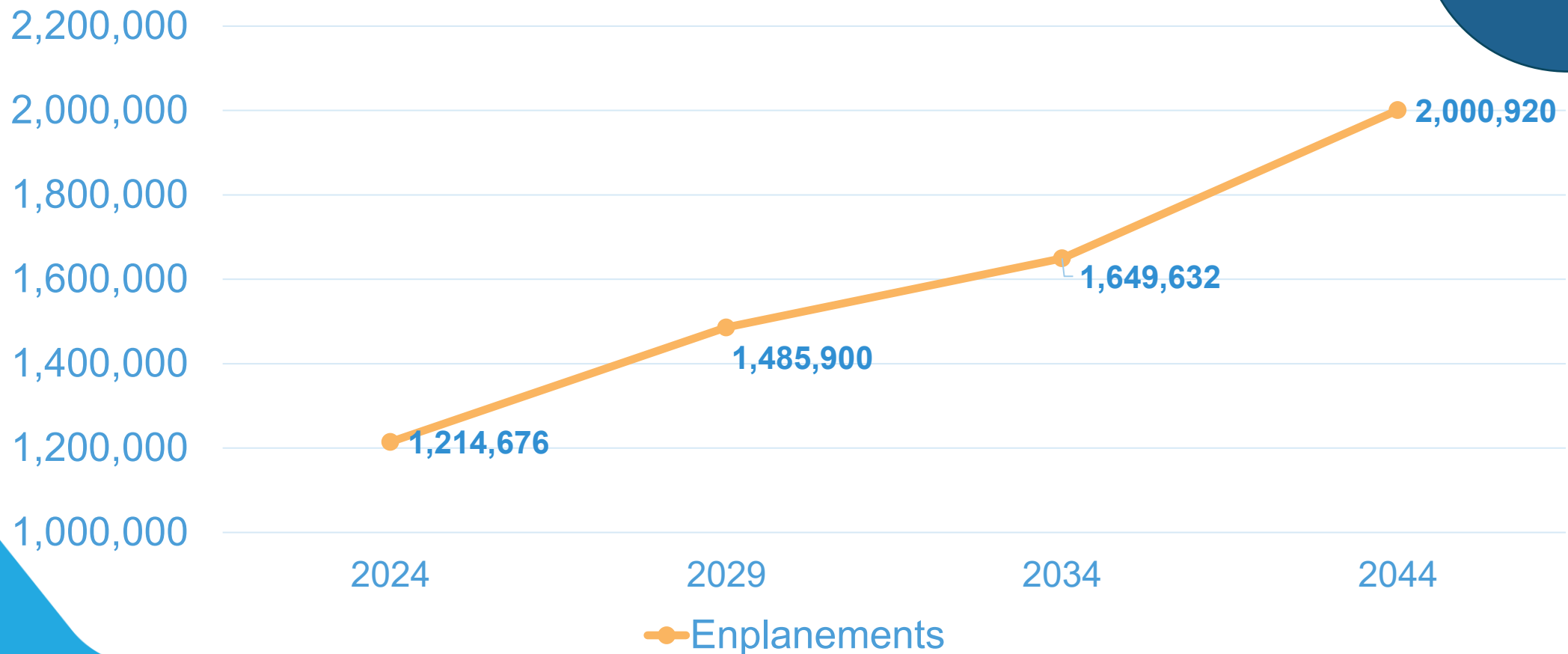
FAA Alignment:

- TAF forecasts were adopted for the eight CS airports
- Forecasts are aligned with the FAA's TAF methodology
- FAA acceptance is necessary



Commercial Service Enplanements Forecast

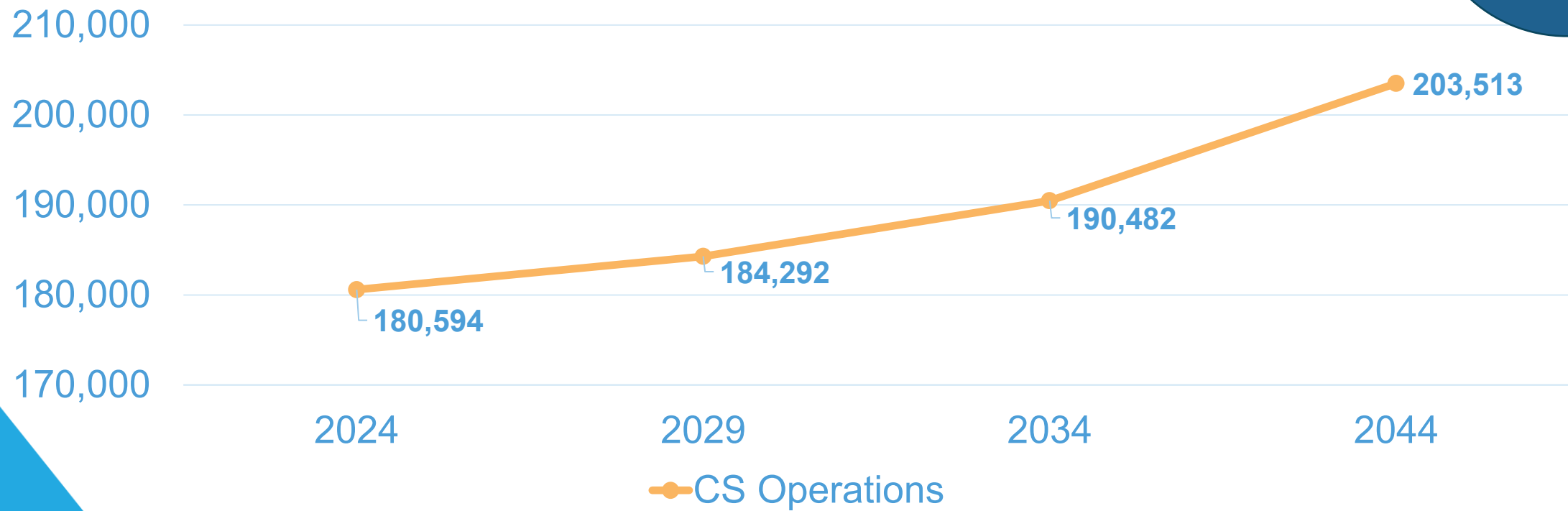
2024-2044
CAGR:
2.53%





Commercial Service Airport Commercial Operations Forecast

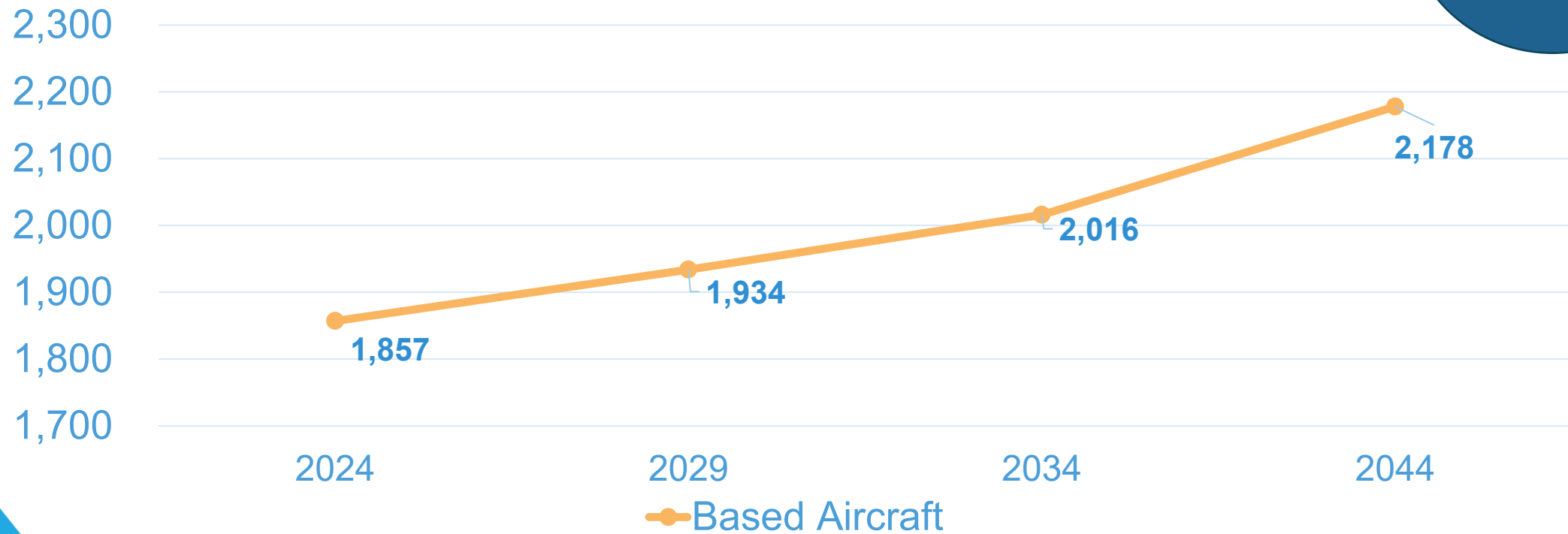
2024-2044
CAGR:
0.60%





Based Aircraft Forecast

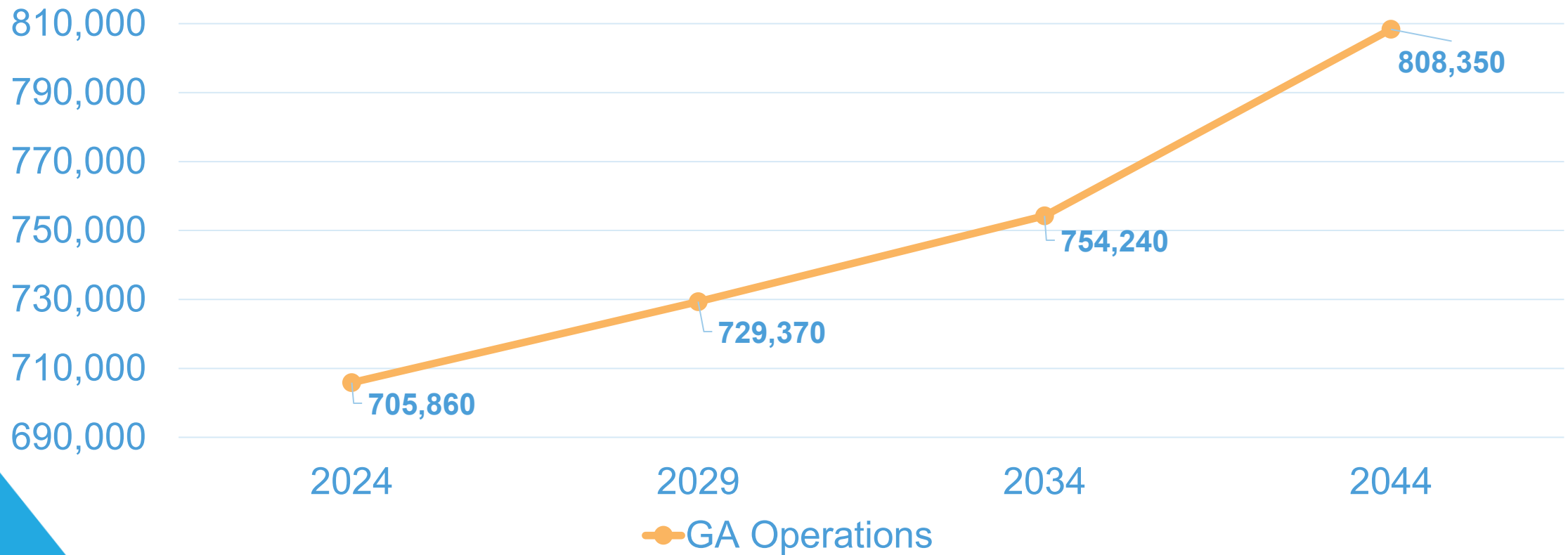
2024-2044
CAGR:
0.80%





GA Operations Forecast

2024-2044
CAGR:
0.68%





NDSASP Next Steps

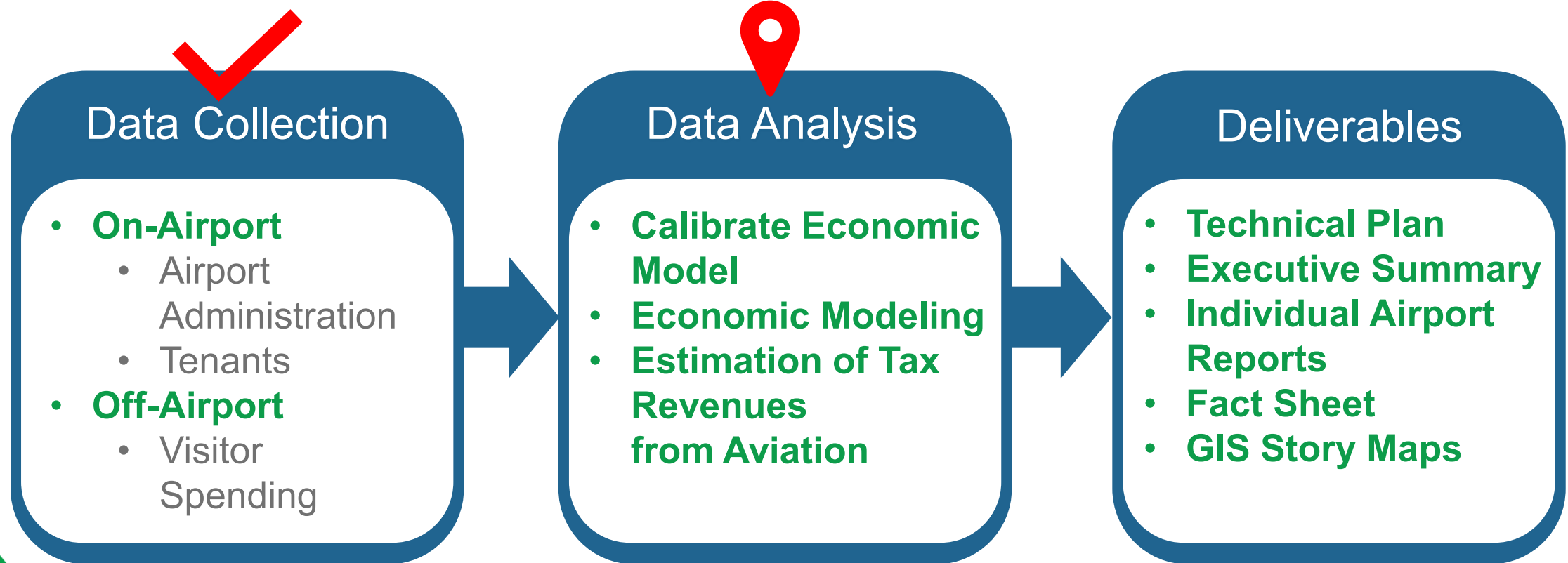
- **Finalize System Inventory chapter**
- **Finalize System Performance chapter**
- **Finalize Aviation Activity Forecast chapter**
- **Initiate Trends and Issues effort**
- **Initiate Recommendations and Cost Estimates effort**



2025 NDAEIS Update



NDAEIS Process





Overview of Preliminary Data Results



185

Airport Tenant
Businesses Surveyed

Accounting for ~3,000 Employees!

Over 
1,000

Visitors Surveyed



12 MILLION

In tenant capital
Improvements recorded

Workforce Needs



Mechanics



Customer
Service



Avionic
Technicians



Sales



Ground
Support



Preliminary UAS Business Survey Results



39

Public Agency
Employees



200

Private Entity
Employees



Senior project managers



Job site superintendents



Welders



Skilled mechanics



Environmentalist



Public Safety



Mapping and Surveying



Site or Infrastructure Inspections



NDAEIS Next Steps

- **Finalize Data Cleaning**
 - Airport Manager Survey
 - Airport Business Tenants
 - Visitor Spending
- **Data Confirmation**
 - Opportunity for NDAC and Airports to review data prior to modeling
- **Model Impacts**
- **Produce Deliverables**



Questions?

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