

PDX 2045 Planning Advisory Committee

Meeting 5

January 15, 2025

Meeting goals

- Recap findings from airfield planning exercise
- Hear a presentation on landside, terminal and support facilities needs
- Participate in landside planning exercise
- Look ahead to upcoming engagement efforts

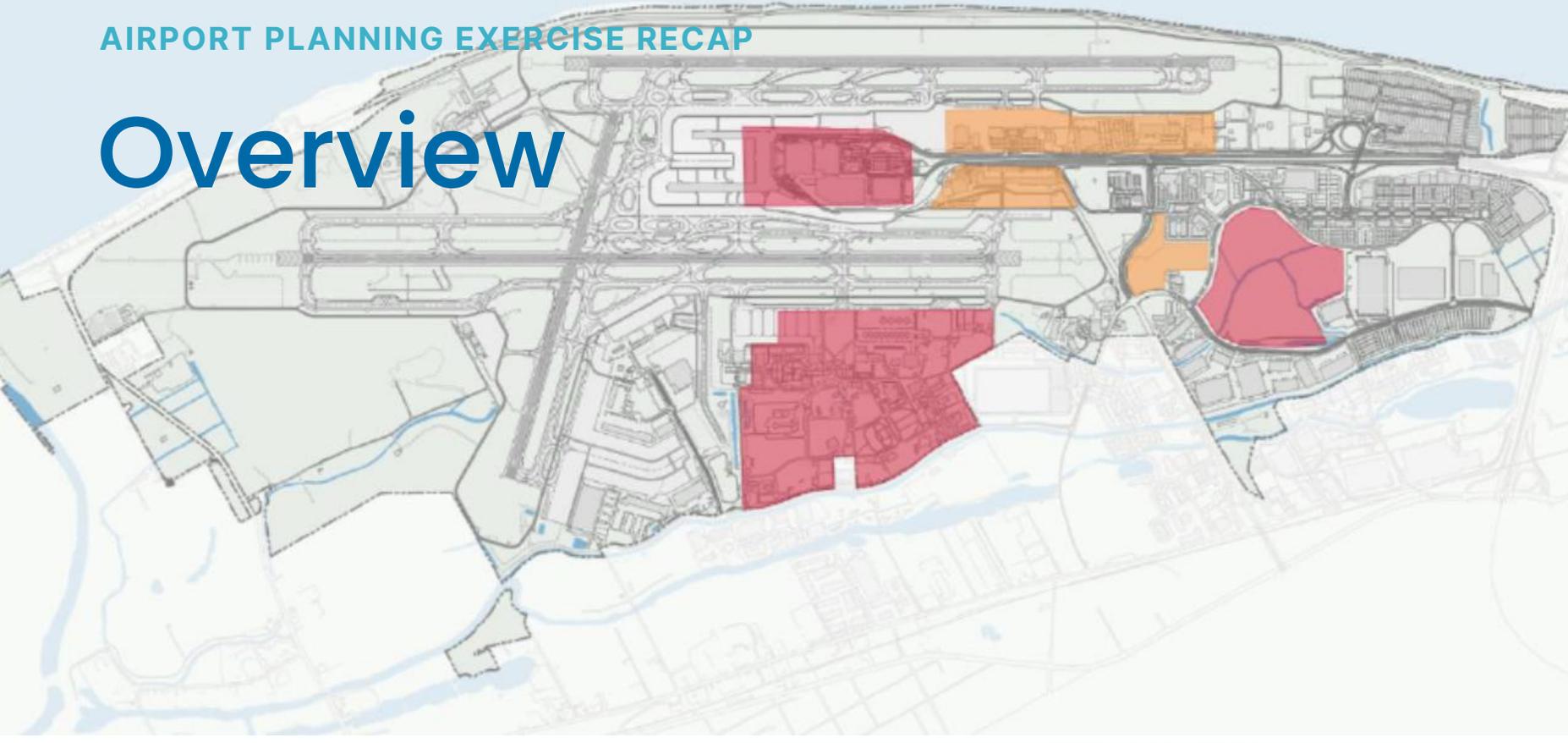
Agenda

Time	Topic
6:00 PM	Welcome and Introductions
6:10 PM	Airfield Planning Exercise Recap
6:20 PM	Facility Requirements
6:50 PM	Public Comment & Break
7:00 PM	Passenger Journey Exercise
7:35 PM	Engagement Preview
7:55 PM	PAC Next Steps
8:00 PM	Adjourn

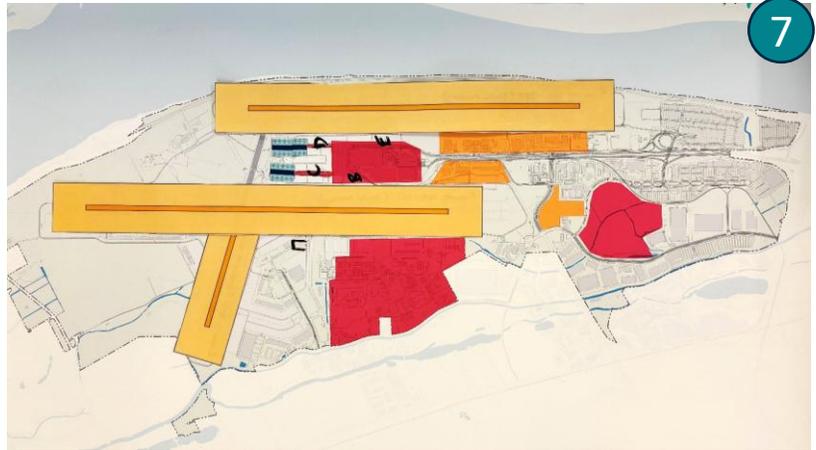
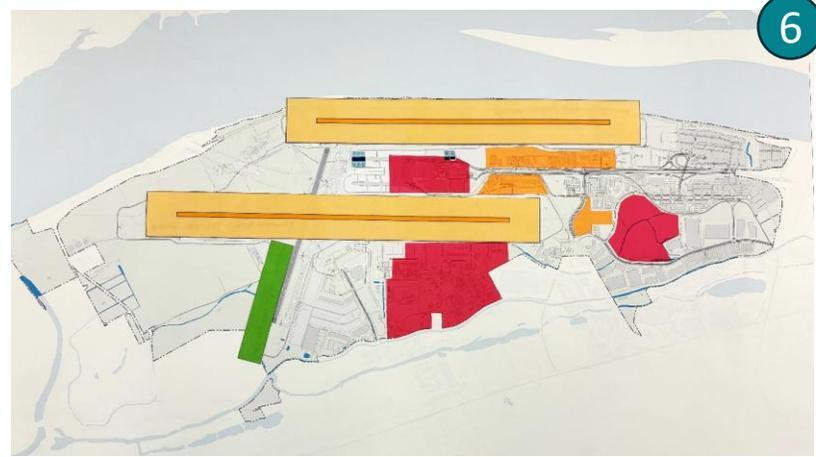
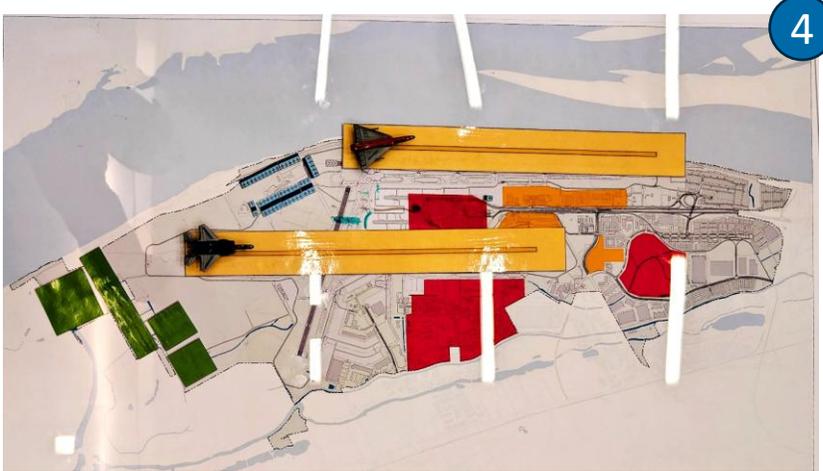
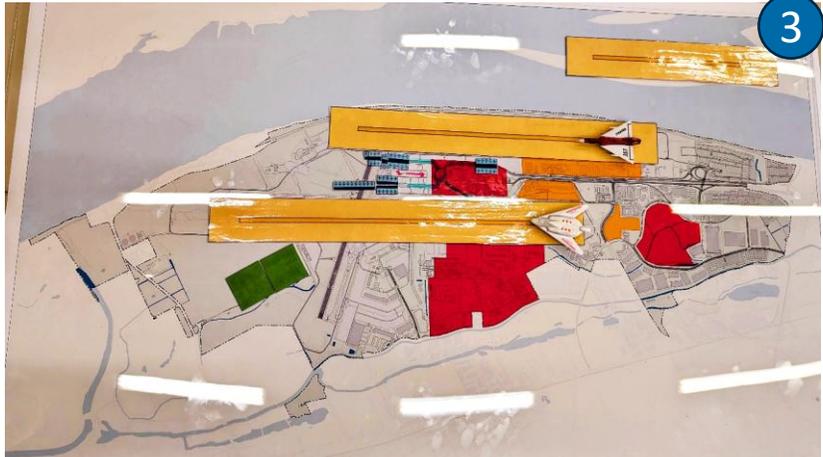
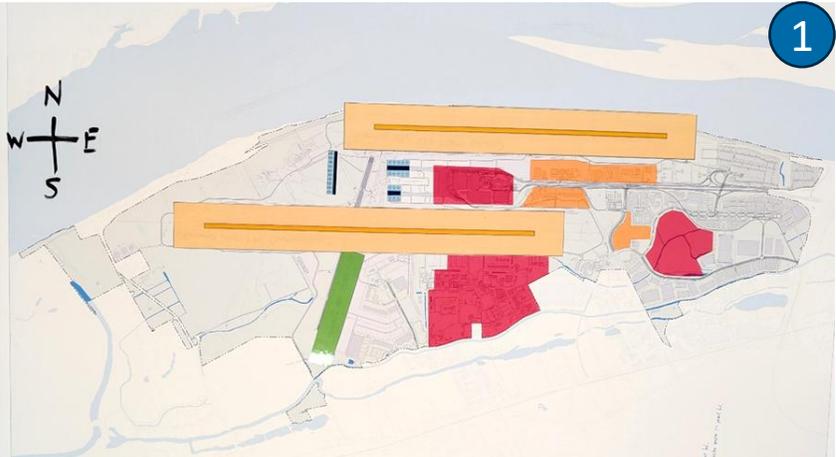
Airfield Planning Exercise Recap

AIRPORT PLANNING EXERCISE RECAP

Overview



PAC table groups



Themes from PAC groups

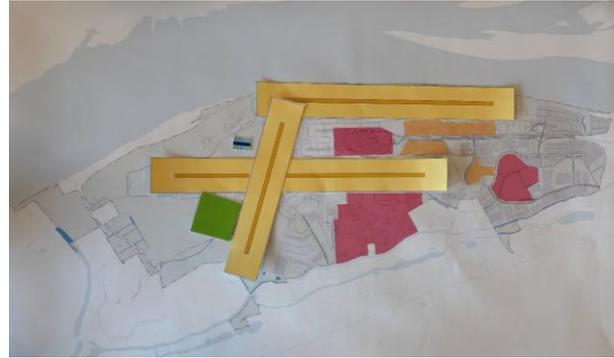
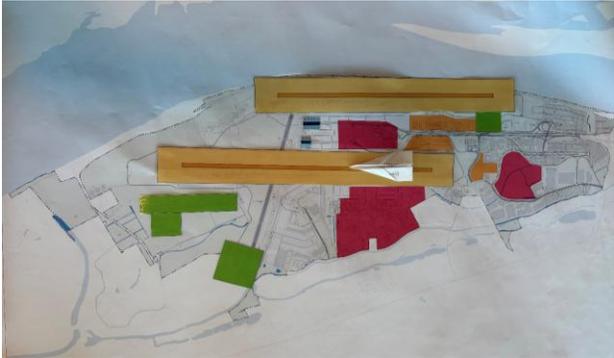
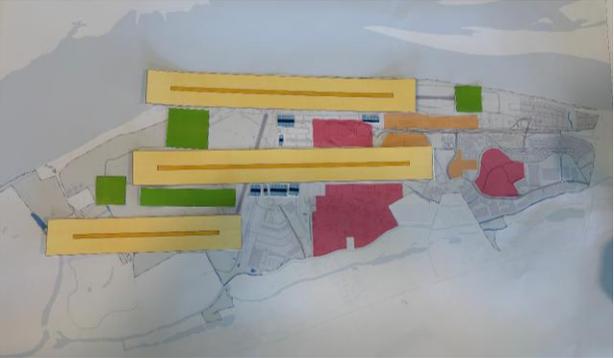
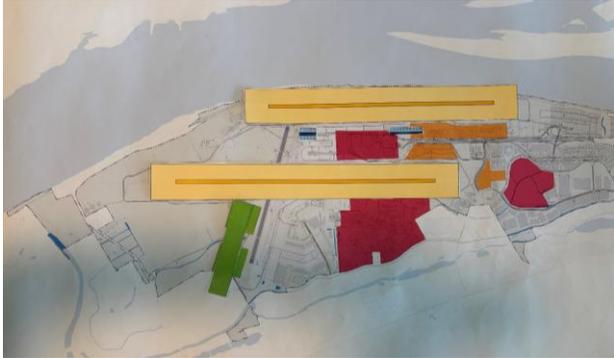
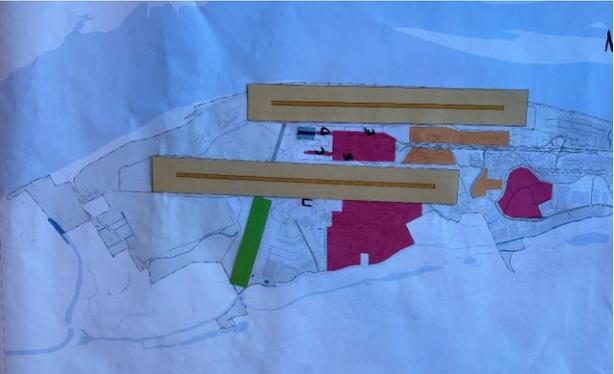
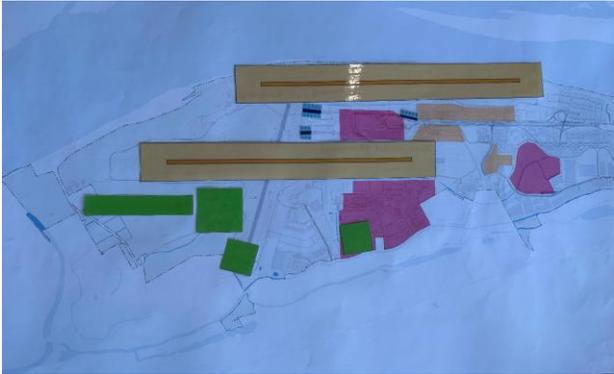
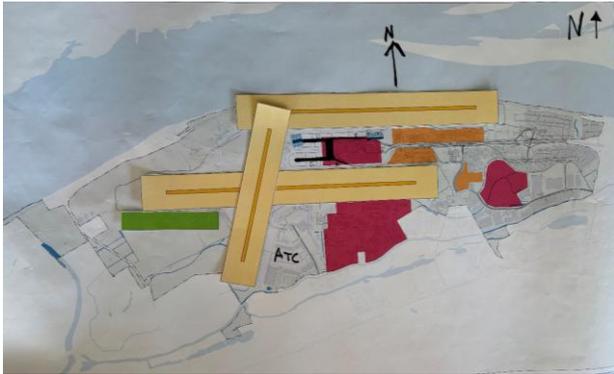
- **Crosswind Runway:** 5 of 7 groups recommended removing
- **New Gates:**
 - 3 would extend Concourses C and D
 - 2 would extend Concourses C, D and E
 - 1 would extend Concourses D and E
 - Some recommend a satellite terminal west of existing
- **Cargo:** 6 would place in SW Quad and/or at existing Crosswind Runway

AIRPORT PLANNING EXERCISE RECAP

Port staff



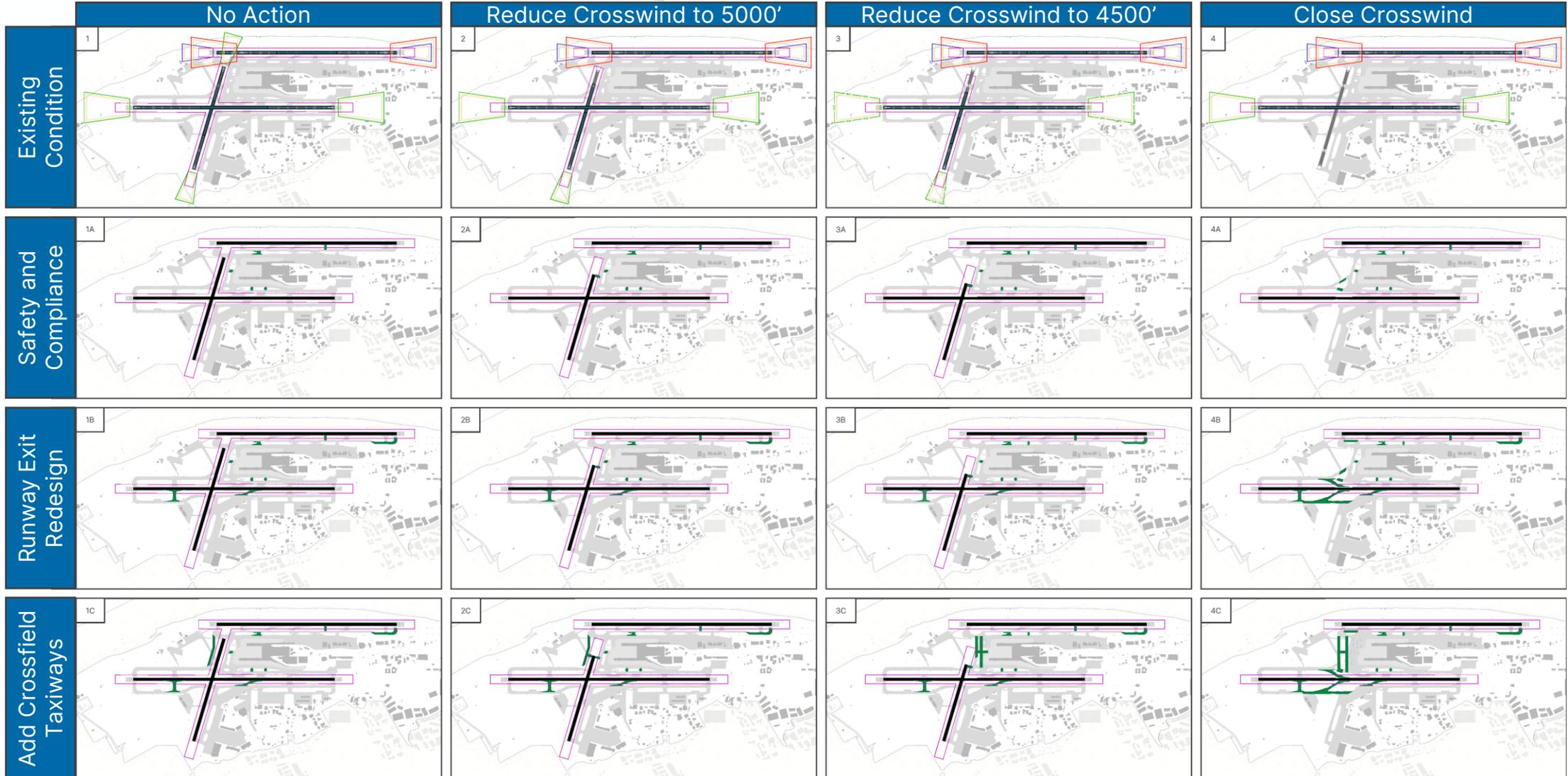
Port staff groups



Themes from staff groups

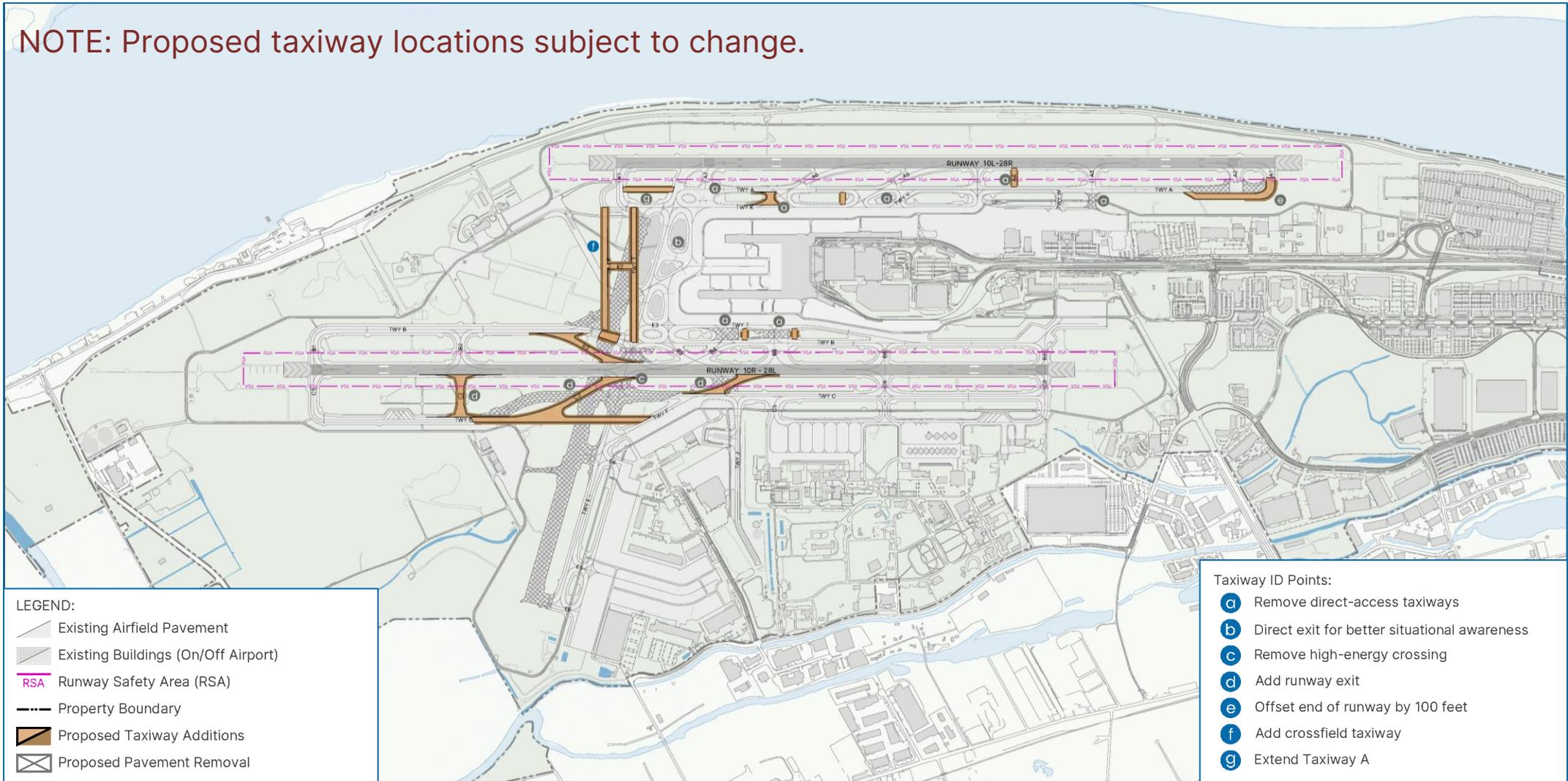
- **Crosswind Runway:** 10 of 12 recommended removing
- **New Gates:**
 - 11 would extend Concourse D
 - 5 would extend Concourse C
 - 5 would extend Concourse E
 - 3 recommended a satellite terminal west of existing
- **Cargo:** 12 would place in SW Quad and/or at existing Crosswind Runway

How do we use your feedback?



How do we use your feedback?

NOTE: Proposed taxiway locations subject to change.

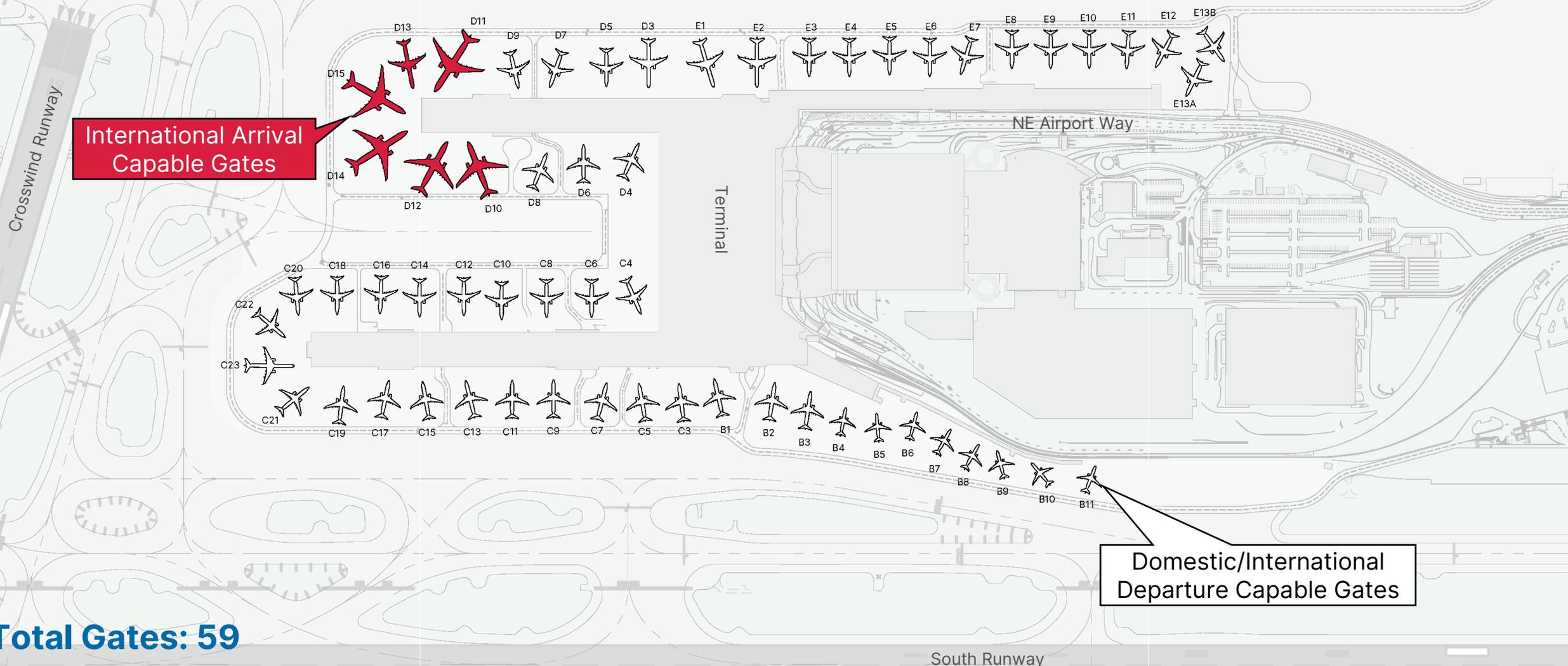


Facility Requirements

North Runway

FACILITY REQUIREMENTS

Terminal processor and gates



International Arrival Capable Gates

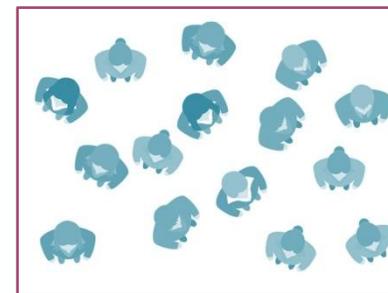
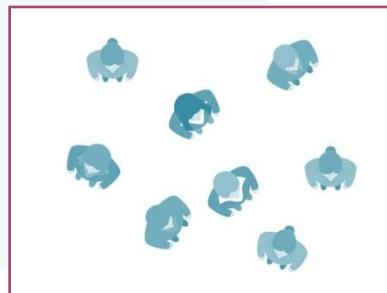
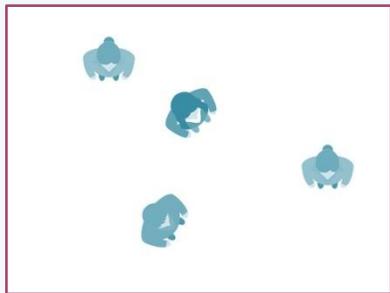
Domestic/International Departure Capable Gates

Total Gates: 59

South Runway

Terminal level-of-service

LEVEL-OF-SERVICE	FLows	DELAYS	COMFORT
Over Design	Free	None	Excellent
Over Design	Stable	Very Few	High
Optimum	Stable	Acceptable	Good
Suboptimum	Unstable	Passable	Adequate
Suboptimum	Unstable	Unacceptable	Inadequate
Under-Provided	System Breakdown	System Breakdown	Unacceptable



Over Design: Poor level of service; conditions of either excessive or empty space and over provision of resources; immoderate or unacceptable level of comfort.

Optimum: Acceptable level of service; conditions of adequate to above-average space and reasonable to very few delays; good level of comfort.

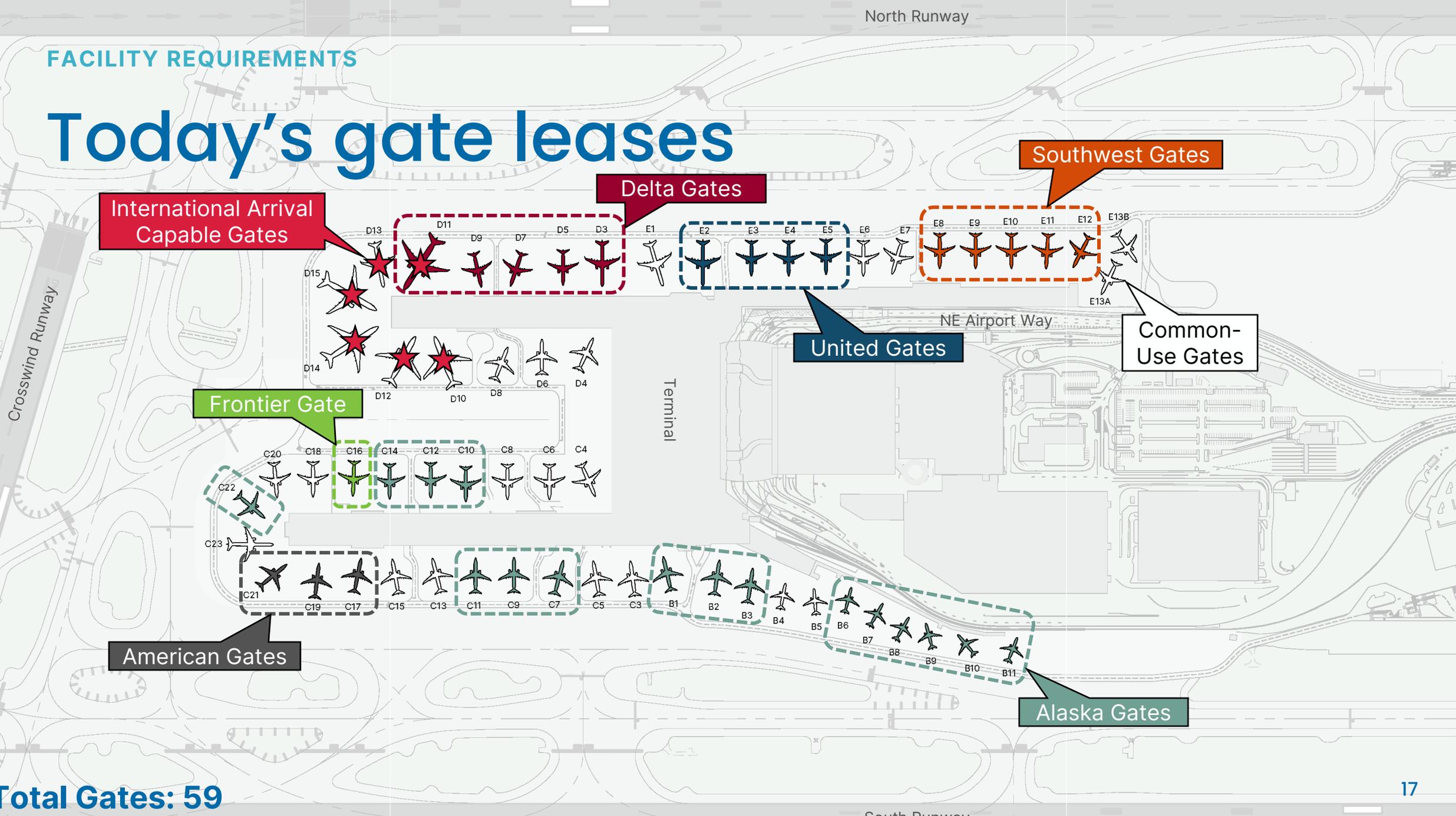
Suboptimum: Unsatisfactory level of service; conditions that provide crowded and uncomfortable spaces and present unacceptable processing and wait times; inadequate level of comfort.

Terminal processors

	PRELIMINARY CAPACITY EVALUATION				
	2023	2030	2035	2040	2045
Airline					
Check-in	To be evaluated				
Holdrooms (Gate Waiting Areas)	Sub-Optimum				
Outbound Baggage System	Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum
Baggage Claim	Optimum	Optimum	Optimum	Optimum	Optimum
Transportation Security Administration					
Checkpoint Lanes	Optimum	Optimum	Optimum	Sub-Optimum	Sub-Optimum
Checkpoint Area	Optimum	Optimum	Optimum	Optimum	Optimum
US Customs and Border Protection	Sub-Optimum				
Concessions	Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum
Restrooms	Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum
Other Support Areas	Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum
	Optimum		Sub-Optimum		
LEGEND	Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum	Sub-Optimum

FACILITY REQUIREMENTS

Today's gate leases



International Arrival Capable Gates

Delta Gates

Southwest Gates

United Gates

Common-Use Gates

Frontier Gate

American Gates

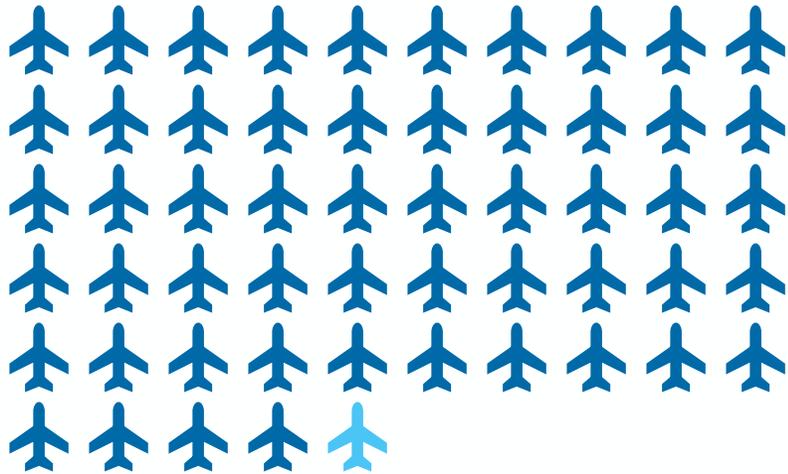
Alaska Gates

Total Gates: 59

2045 gate requirements

Common-Use

55 gates



9 international gates



5.8
average operations per gate

64
total gates required (+5 gates)

Airline 1

5 gates



Airline 2

6 gates



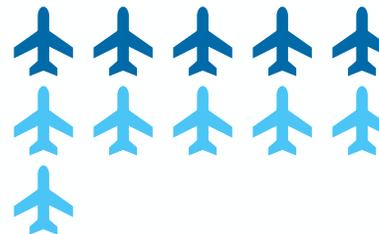
Airline 3

10 gates



Airline 4

11 gates



Airline 5

25 gates



9 international gates



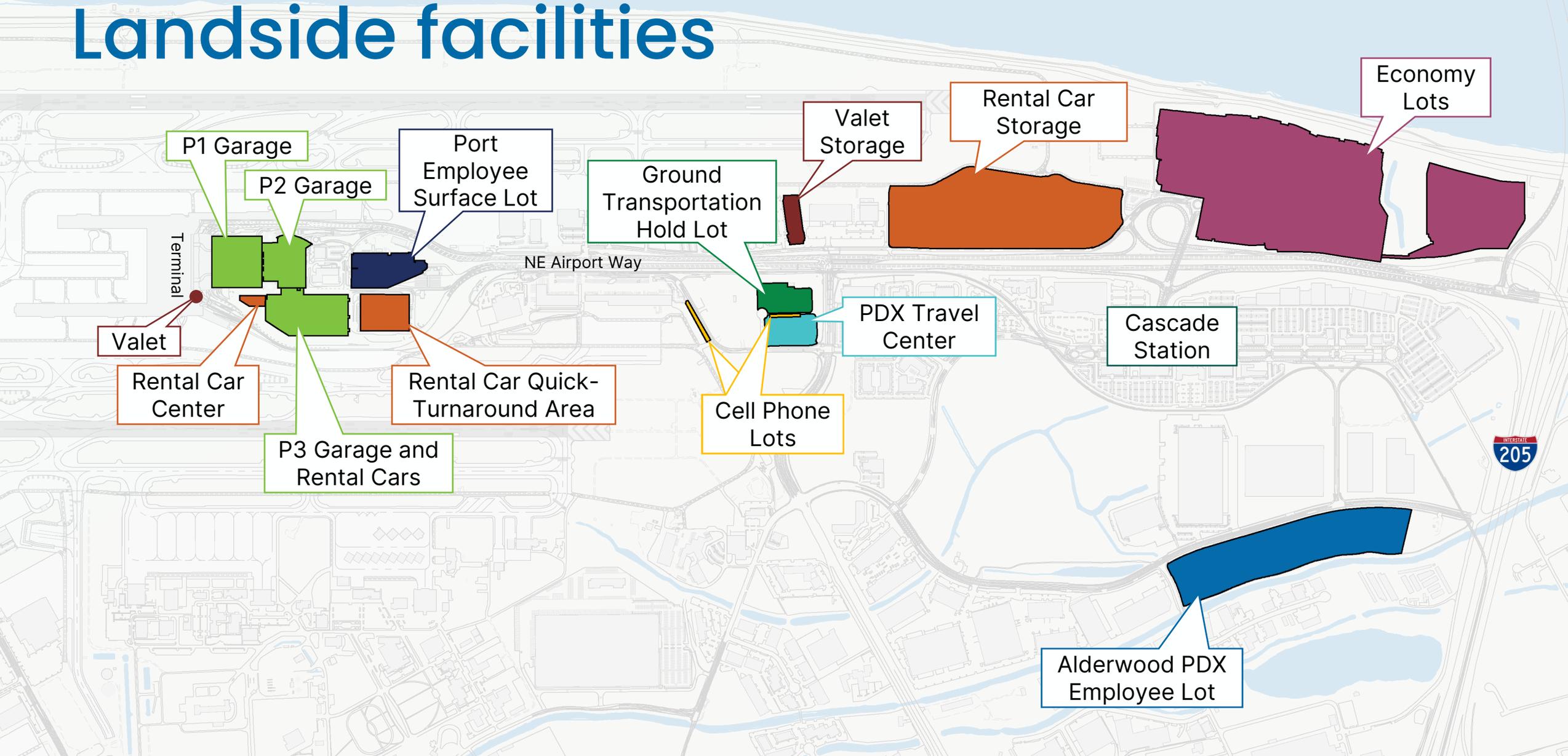
8 ultra low-cost carriers gates



4.8
average operations per gate

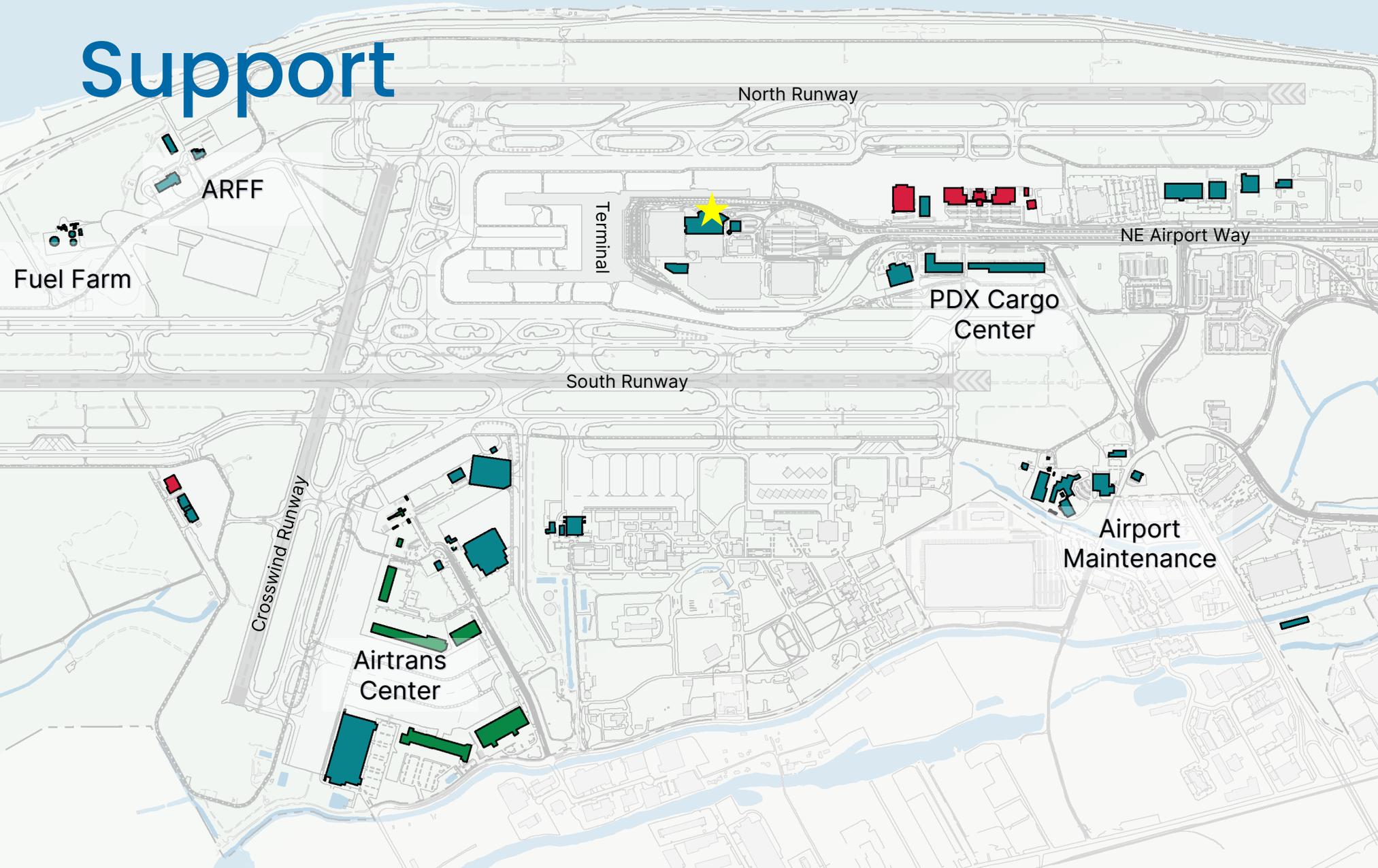
75
total gates required (+16 gates)

Landside facilities



FACILITY REQUIREMENTS

Support



CARGO

GENERAL AVIATION

AIRLINE AND AIRPORT
SUPPORT

- Aircraft maintenance
- Ground run-up enclosure
- Flight kitchen
- Ground service equipment storage and maintenance
- Fuel farm
- Deicing facilities
- Airport maintenance
- Port administrative offices
- Consolidated receiving and distribution center
- Public safety facilities
- Federal Aviation Administration facilities

Public Comment

Interactive Exercise

Passenger journeys

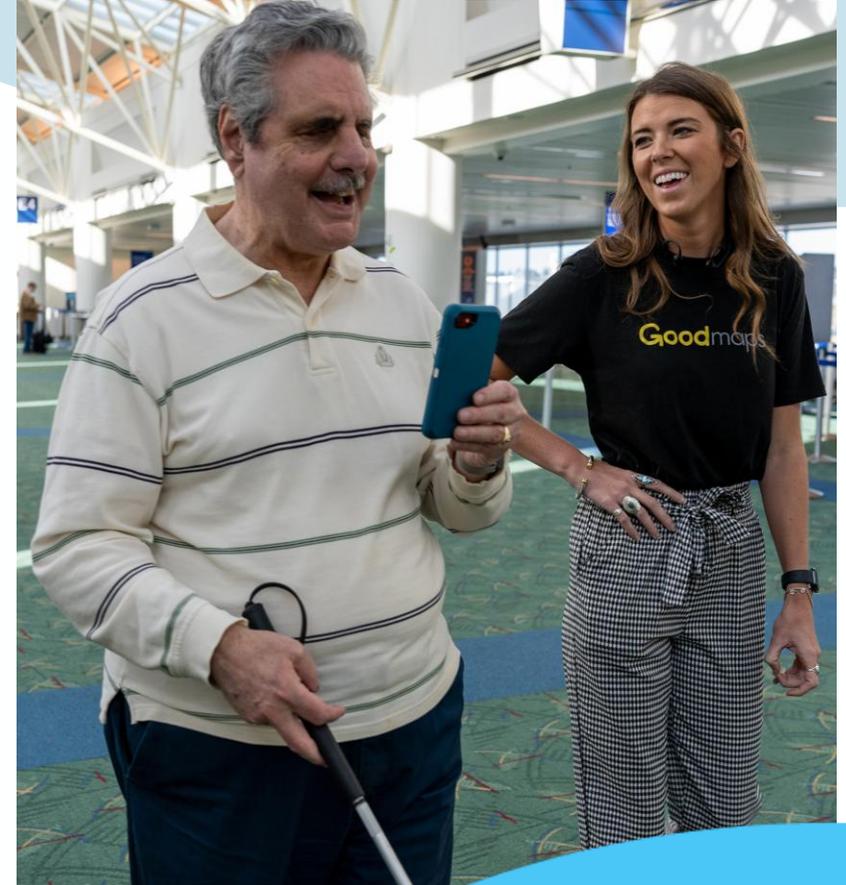
Put yourself in the shoes of various passengers traveling through PDX.

Each table will receive 4 passenger journey cards and 4 corresponding journey maps.

What does each passenger's journey look like?

Consider the following questions:

1. What amenities do you want in each facility that you use or travel through?
2. What are your travel needs between each waypoint?
3. What would make this experience better for you and why?



Passenger journey map example

Considerations:

- Restroom availability
- Ticketing help desk
- Additional time to check bags

GATE

4

2

CHECK-IN

3

SECURITY

Considerations:

- Concession and water fountain availability
- Children's play areas
- Enough space for the whole family to sit
- Lactation room

Considerations:

- Additional time to screen kids, cribs, and strollers
- Security lane options
- Adequate area to re-organize belongings after security

PARKING

1

Considerations:

- Parking options
- Costs
- Transporting luggage and kids to the terminal
- Additional time to park and shuttle over

Passenger Journey #5

Family leaves on weeklong vacation – 2 adults, 1 baby, 1 toddler

Passenger journeys

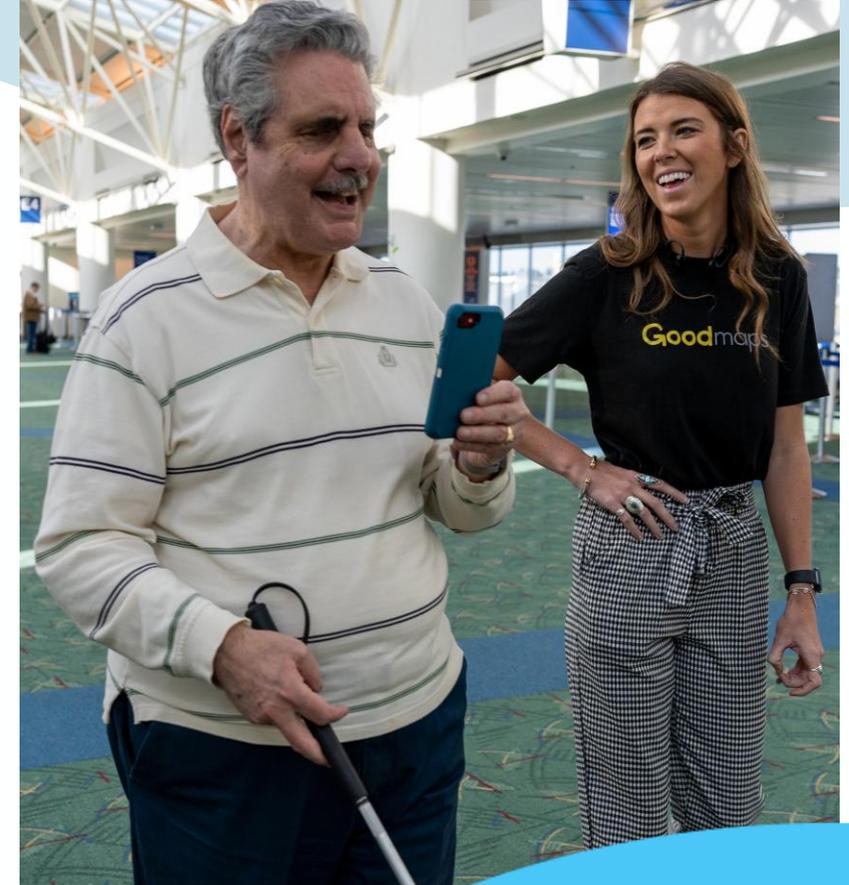
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Community Engagement Preview

Public engagement milestones

Initiation / introduction

Alternatives

Preferred alternative

Implementation



For each engagement milestone:

- Host **activities**
- Share information and explore **questions**
- Achieve desired process **outcomes**

COMMUNITY ENGAGEMENT

Engagement and communication toolbox

- Website, email, and social media
- Committees
- Interviews
- Online engagement
- Surveys
- Open houses and events
- Discussion groups and workshops



Public engagement questions

- Is there an example of good engagement that you've experienced?
- What did you like about it?
- What do you see as the main barriers to engagement?
- What meeting locations or venues would you suggest?

Next Steps

NEXT STEPS

Work plan

PAC meeting	Meeting topics	Date
1	Welcome and background	May 20, 2024
2	Baseline forecast & preliminary facilities requirements	July 16, 2024
3	Facility tour	Sept 19, 2024
4	Functional area alternatives and requirements	Oct 21, 2024
> 5	Functional area alternatives and requirements	Jan 15, 2025
6	Functional area alternatives and requirements	~ Mar 2025
7	Functional area alternatives and requirements	~ May 2025
8	Consolidated alternatives	~ July 2025
9	Preferred alternative	~ Sept 2025
10	Implementation	~ Oct 2025
11	Ongoing engagement	~ Dec 2025

**Thank you for your
participation!**