



NOISE OVERSIGHT COMMITTEE

September 18, 2019

Audio recordings are made of this meeting

ITEM 1

REVIEW AND APPROVAL OF JULY 17TH MEETING MINUTES



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



ITEM 2

REVIEW OF MONTHLY OPERATIONS REPORTS

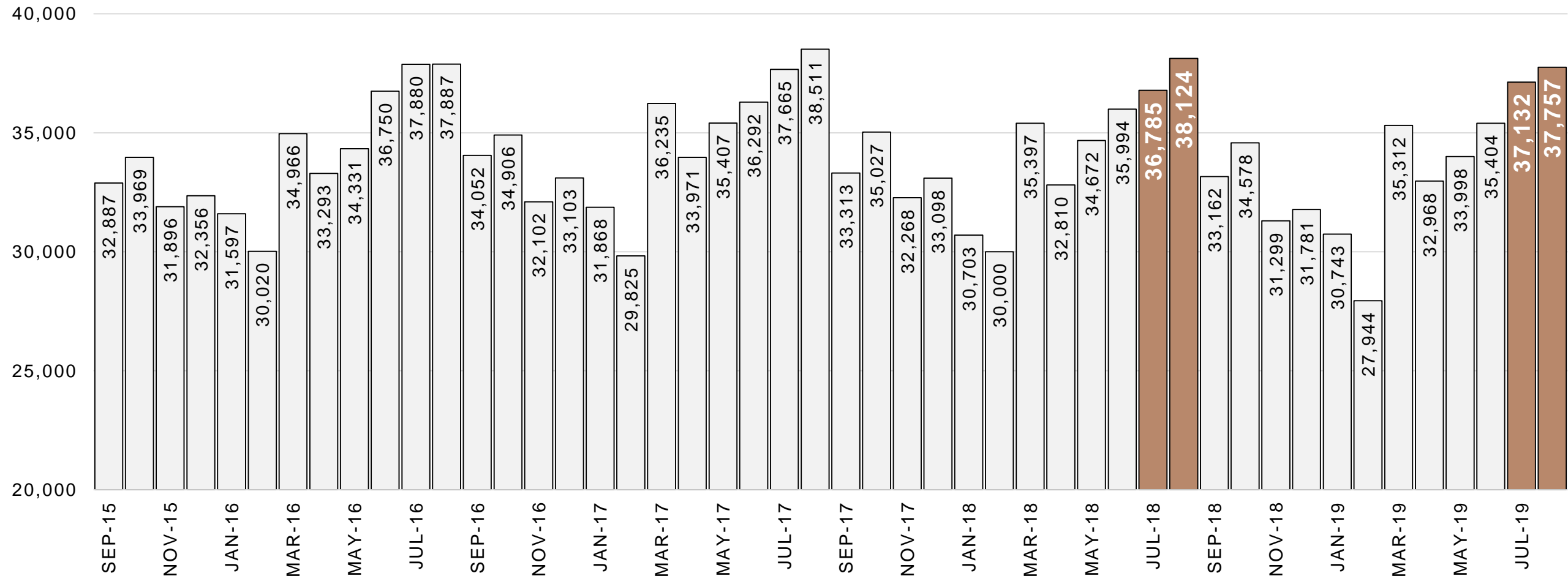


NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



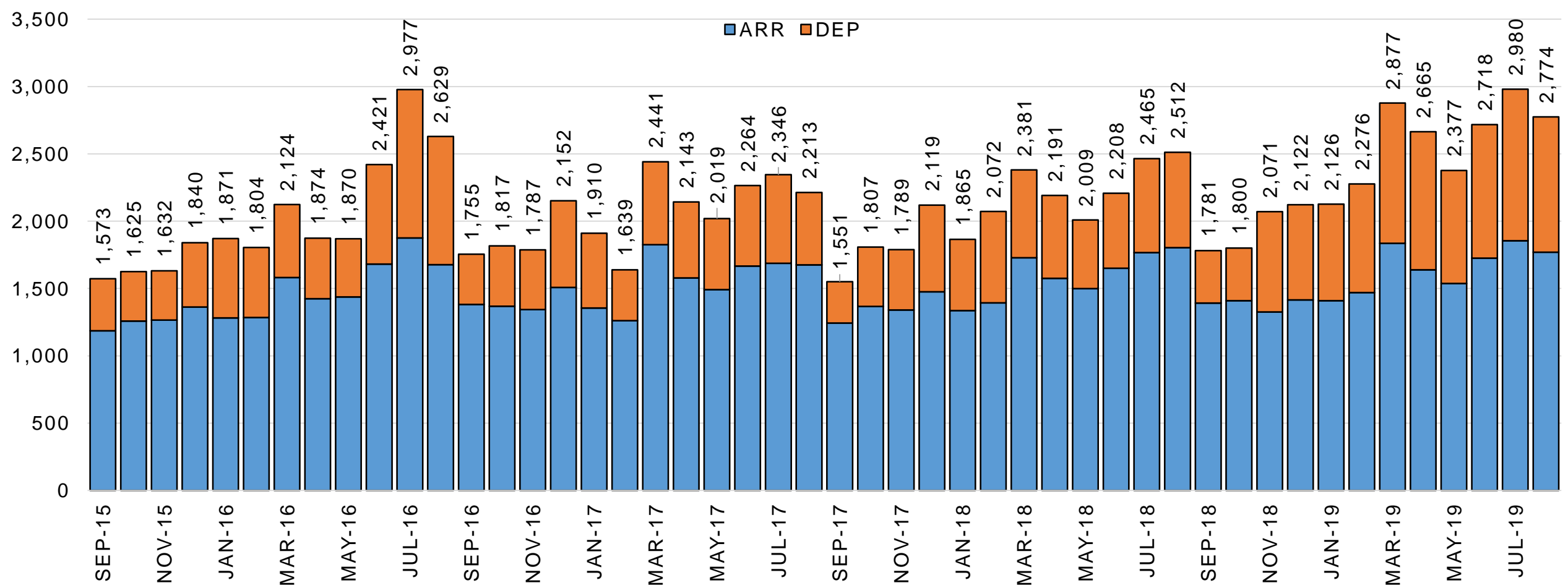
MSP OPERATIONS

JULY 2019		AUGUST 2019	
37,132	2,980	37,757	2,774
Operations	Nighttime Operations (10:30 PM – 6:00 AM)	Operations	Nighttime Operations (10:30 PM – 6:00 AM)



MSP OPERATIONS

JULY 2019		AUGUST 2019	
37,132 Operations	2,980 Nighttime Operations (10:30 PM – 6:00 AM)	37,757 Operations	2,774 Nighttime Operations (10:30 PM – 6:00 AM)



RUNWAY USE

JULY 2019

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
27%	49%	17%

AUGUST 2019

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
35%	45%	14%

2018 JAN – AUG

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
34.6%	44.7%	12.7%

2019 JAN – AUG

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
35.6%	44.5%	13.3%

North Flow



South Flow



Mixed Flow



JUL – AUG RUNWAY USE

74,889
OPERATIONS IN JUL – AUG

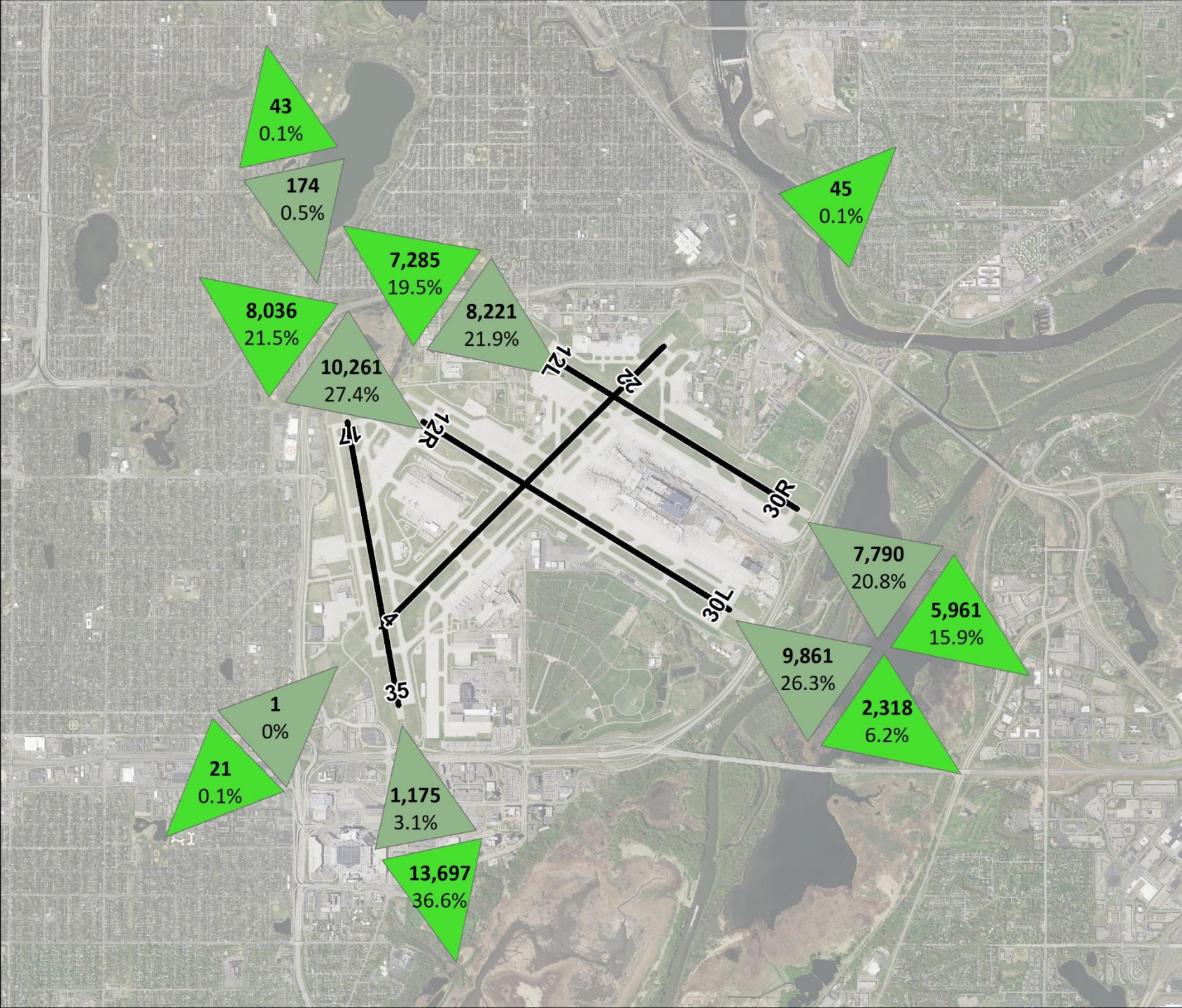
PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
35%	20%	0.1%	45%

37,483
ARRIVALS

PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
47%	3%	0%	49%

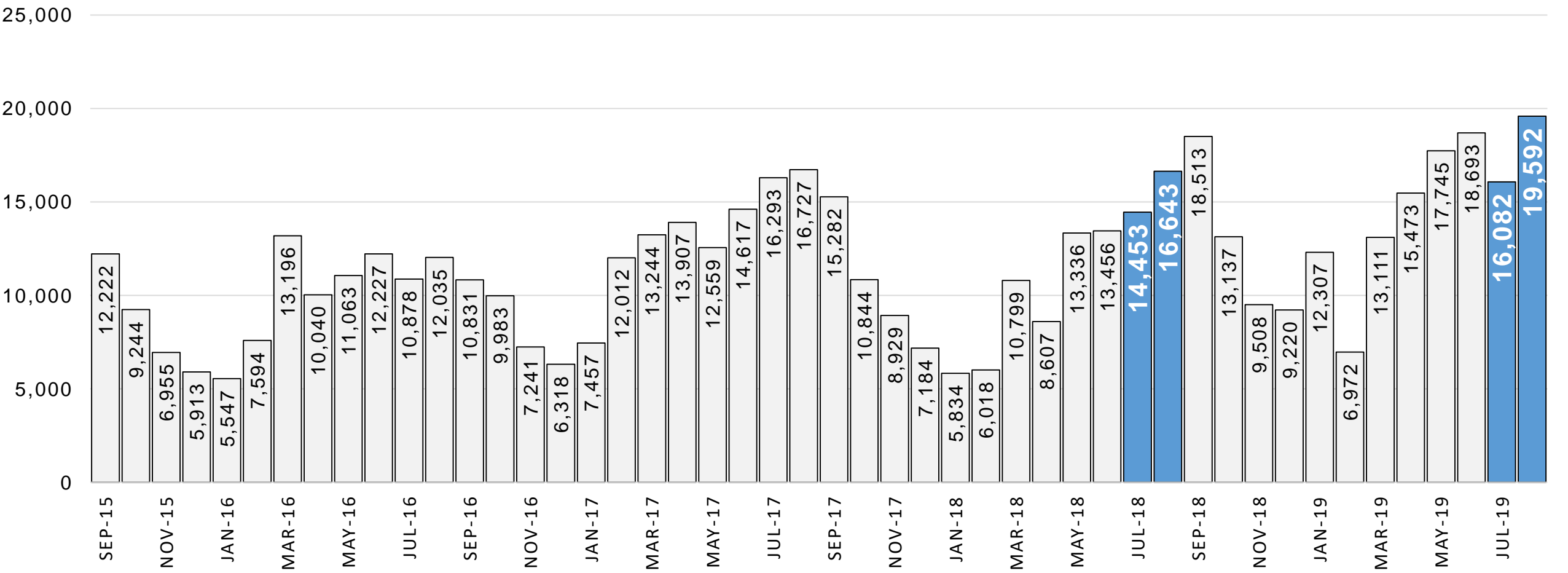
37,406
DEPARTURES

PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
22%	37%	0.2%	41%



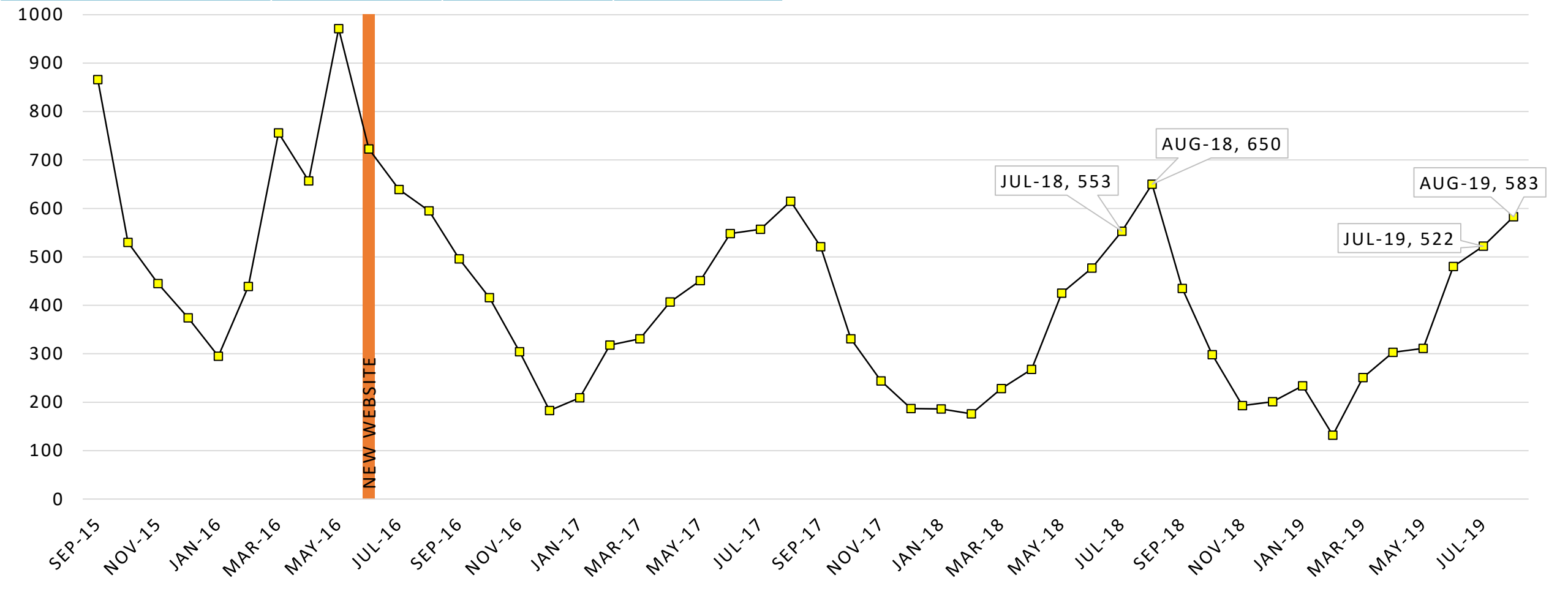
MSP COMPLAINTS

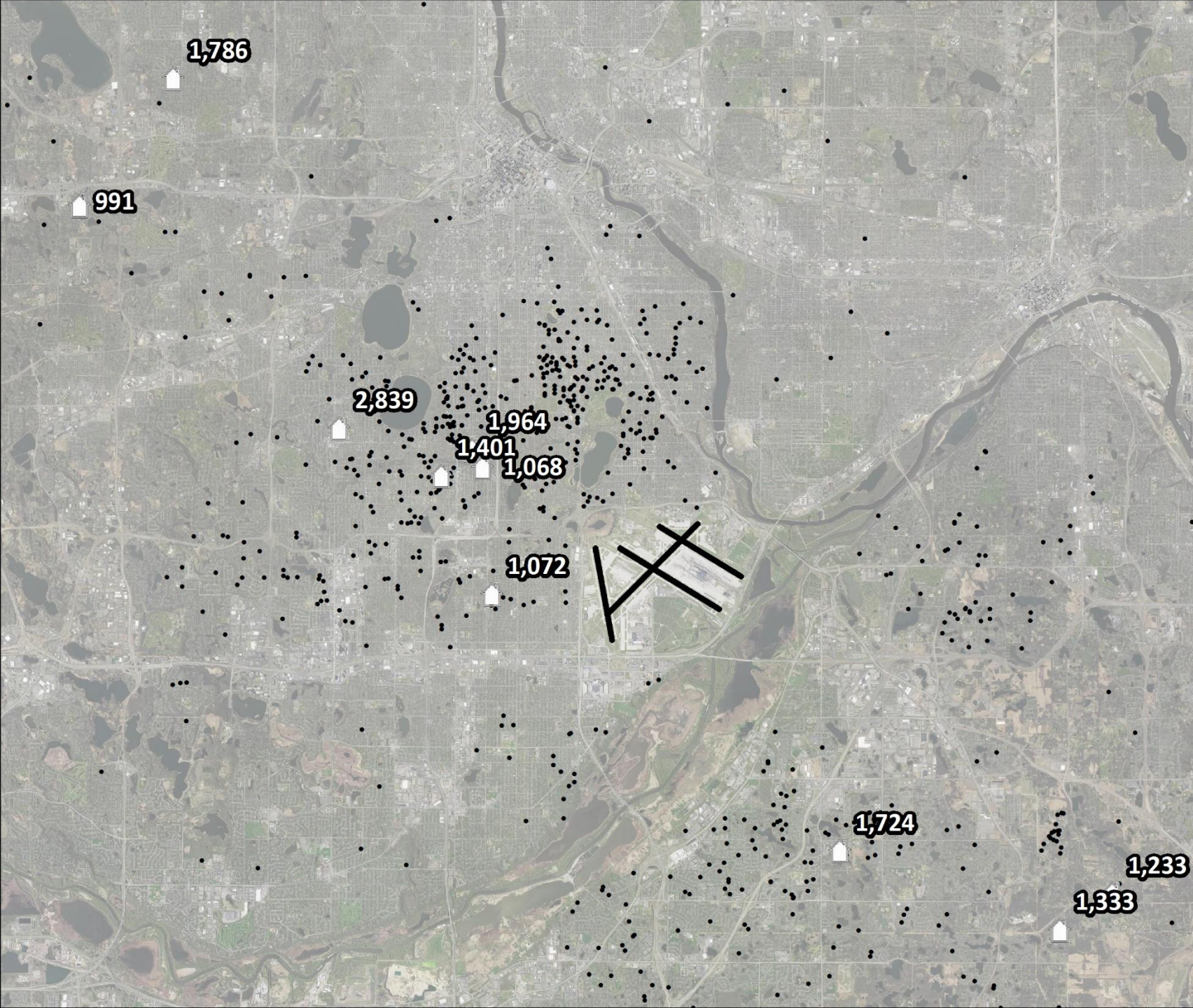
JULY 2019				AUGUST 2019			
COMPLAINTS	LOCATIONS			COMPLAINTS	LOCATIONS		
16,082	522			19,592	583		
Operations per Complaint	New Locations	Average	Median	Operations per Complaint	New Locations	Average	Median
2.3	93	31	3	1.9	119	34	3



MSP COMPLAINTS

JULY 2019				AUGUST 2019			
COMPLAINTS	LOCATIONS			COMPLAINTS	LOCATIONS		
16,082	522			19,592	583		
Operations per Complaint	New Locations	Average	Median	Operations per Complaint	New Locations	Average	Median
2.3	93	31	3	1.9	119	34	3





TOP 10 LOCATIONS

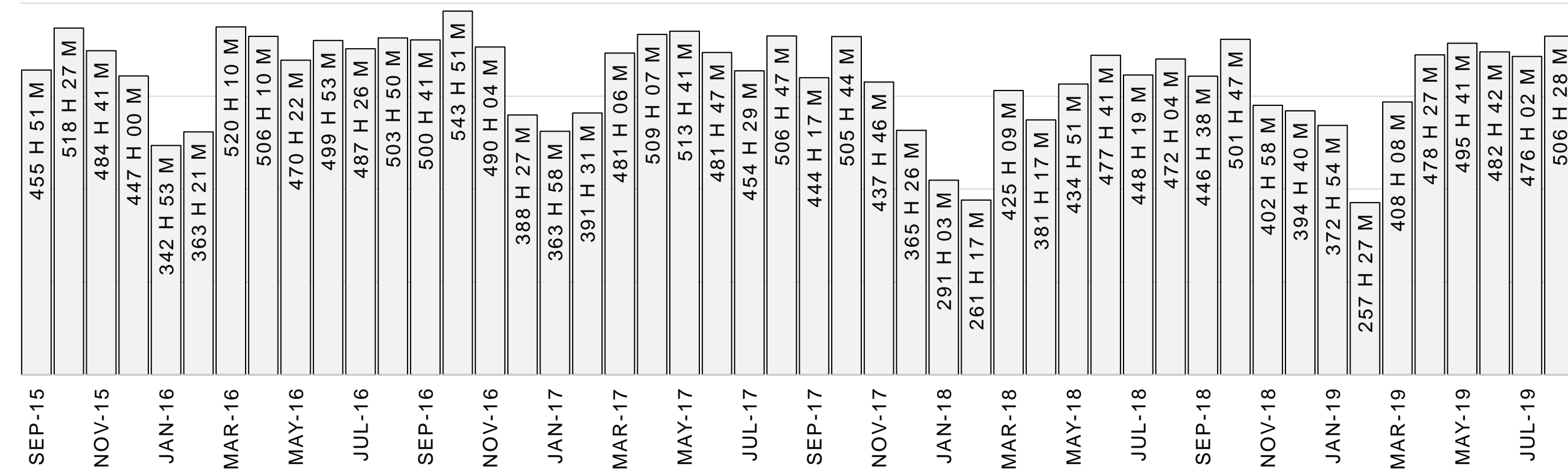
FILED
15,411
(43%)
COMPLAINTS DURING JUL & AUG

7 OF 10
LOCATIONS WERE IN THE TOP 10
FOR MAY – JUN DATA

588
(72%)
LOCATIONS FILED 10 OR LESS
COMPLAINTS

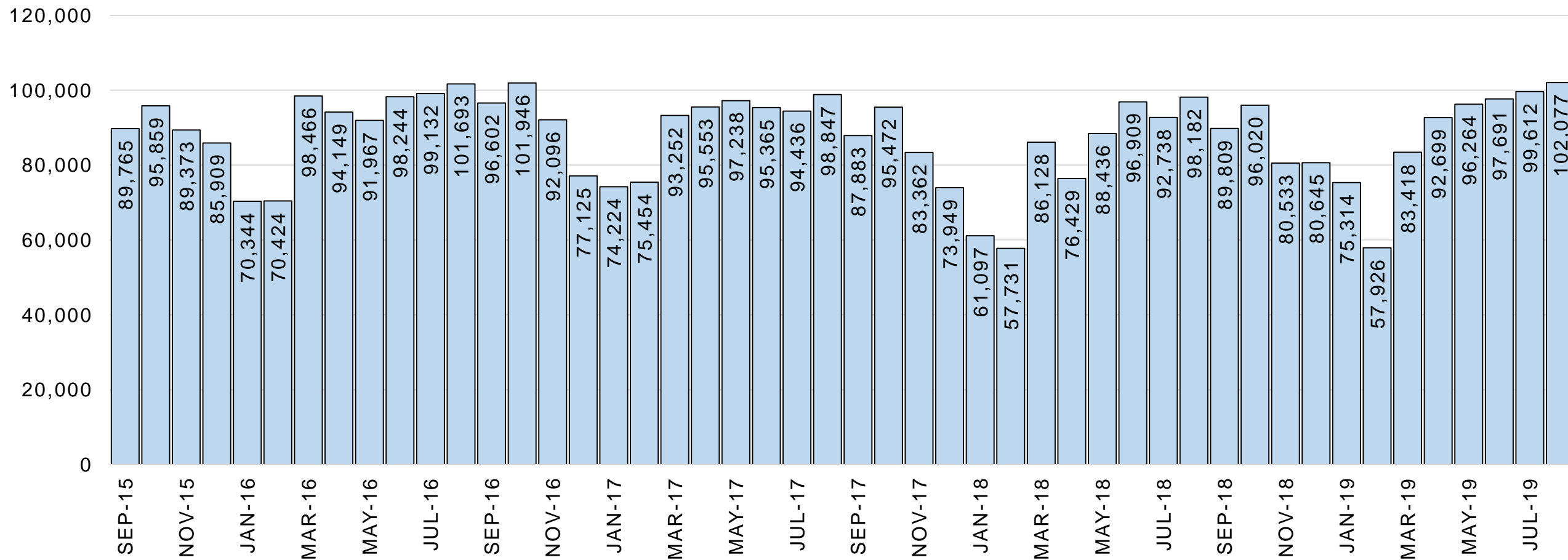
SOUND MONITORING

JULY 2019			AUGUST 2019		
Time Above	46_s TA ⁶⁵ per operation	476^h 2^m TA ⁶⁵	Time Above	48_s TA ⁶⁵ per operation	506^h 28^m TA ⁶⁵
Count Above	2.68 N ⁶⁵ per operation	99,612 N ⁶⁵	Count Above	2.7 N ⁶⁵ per operation	102,077 N ⁶⁵



SOUND MONITORING

JULY 2019			AUGUST 2019		
Time Above	46_s TA ⁶⁵ per operation	476^h 2^m TA ⁶⁵	Time Above	48_s TA ⁶⁵ per operation	506^h 28^m TA ⁶⁵
Count Above	2.68 N ⁶⁵ per operation	99,612 N ⁶⁵	Count Above	2.7 N ⁶⁵ per operation	102,077 N ⁶⁵



NOISE ABATEMENT

JULY 2019

AUGUST 2019

Runway 17 99.6%

Runway 17 99.8%

Corridor 97.1%

Corridor 97.3%

Cross Day 33%

Cross Day 34%

Cross Night 49%

Cross Night 38%

RUS

54.7%

Arrive – 46%

Depart – 63%

RUS

54.2%

Arrive – 54%

Depart – 55%

ITEM 3

PUBLIC COMMENT PERIOD



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



ITEM 3

PUBLIC COMMENT PERIOD

Speaking at a Meeting

- Please complete and submit a speaker card.
- Each speaker will have one opportunity to speak and is allotted three (3) minutes.
- When called upon to speak, speak clearly into the microphone, state your name and address. If you are affiliated with any organization, please state your affiliation.
- Commenters shall address their comments to the NOC and not to the audience.
- Use of profanity, personal attacks, or threats of violence will not be tolerated.



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



ITEM 4

GUEST SPEAKER: MAC/MSP UPDATE



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



Serving the Region's Air Transportation Needs



Brian Ryks, Executive Director and CEO
Metropolitan Airports Commission

Congratulations!

On your appointment or reappointment in July – and **thank you** for committing to serve for the next two years.



Thank You!



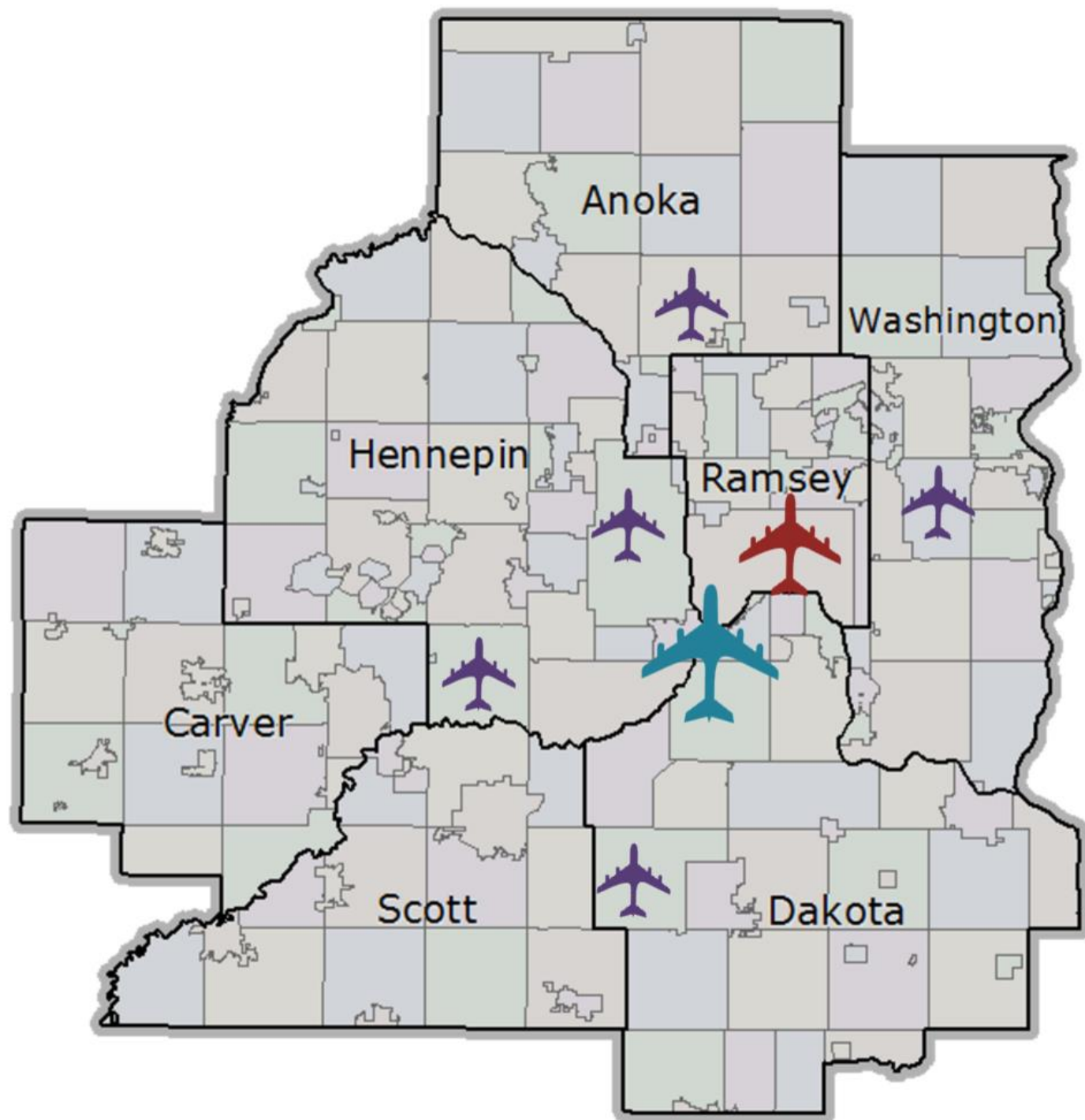
Metropolitan Airports Commission



- Public corporation created in 1943
- Legislated purpose:
 - Promote efficient, safe, economical air commerce
 - Develop the full potentialities of the metropolitan area as an aviation center
 - Minimize the environmental impact from air transportation and the public's exposure to noise and safety hazards around airports
- Can own airports within 35 miles of downtown Minneapolis and St. Paul
- Funded by rents and fees paid by airport users, not by general tax dollars

The MAC Airport System

The MAC owns and operates seven airports, providing convenient access to air transportation for all parts of the Twin Cities metropolitan area.





Commission Chair
Rick King



District A
Carl Crimmins



District B
Braj Agrawal



District C
Katie Clark Sieben



District D
Steve Cramer



District E
James Deal



District F
Rodney Skoog



District G
Richard Ginsberg



District H
Yodit Bizen



City of Minneapolis
Leili Fatehi



City of St. Paul
Ikram Koliso



Outstate St. Cloud
Patti Gartland



Outstate Duluth
Donald Monaco



Outstate Thief River Falls
Dixie Hoard



Outstate Rochester
Randy Schubring



Metropolitan Airports Commission



- 650 employees
- Operates much like a city, with its own:
 - Police
 - Fire
 - 9-1-1 dispatch
 - Building inspection
 - Planning
 - Maintenance Department





Our Mission

Connecting you to your world



Our Vision

Providing your best airport experience

MAC STRATEGIC PLAN 2017-2022

The strategic plan established seven goals for the MAC that guide us in realizing our vision and mission. We have also established three focus areas that touch all parts of our organization and provide additional direction for new initiatives in the next few years. By achieving our goals and focus areas, we ensure our extraordinary airport system—and region—continue to thrive.



GOALS



SAFETY, SECURITY, PREPAREDNESS

Keep our airports safe & secure



AIR SERVICE

Grow & enhance
air service



CUSTOMER EXPERIENCE

Delight our passengers



TALENT

Be a model
employer



ECONOMIC

Maintain our competitive
cost structure while
maximizing our airports'
economic benefit



INNOVATION

Innovate through
opportunities in technology
& sustainability



ENGAGEMENT

Grow & enhance
the narrative

FOCUS AREAS

1

Develop
new strategies
to enhance
**FINANCIAL
STRENGTH**

2

Grow
stakeholder &
community
ENGAGEMENT

3

Deliver
a seamless
**"ONE JOURNEY"
EXPERIENCE**
for MSP Passengers

OUR MISSION Connecting you to your world

OUR VISION Providing your best airport experience

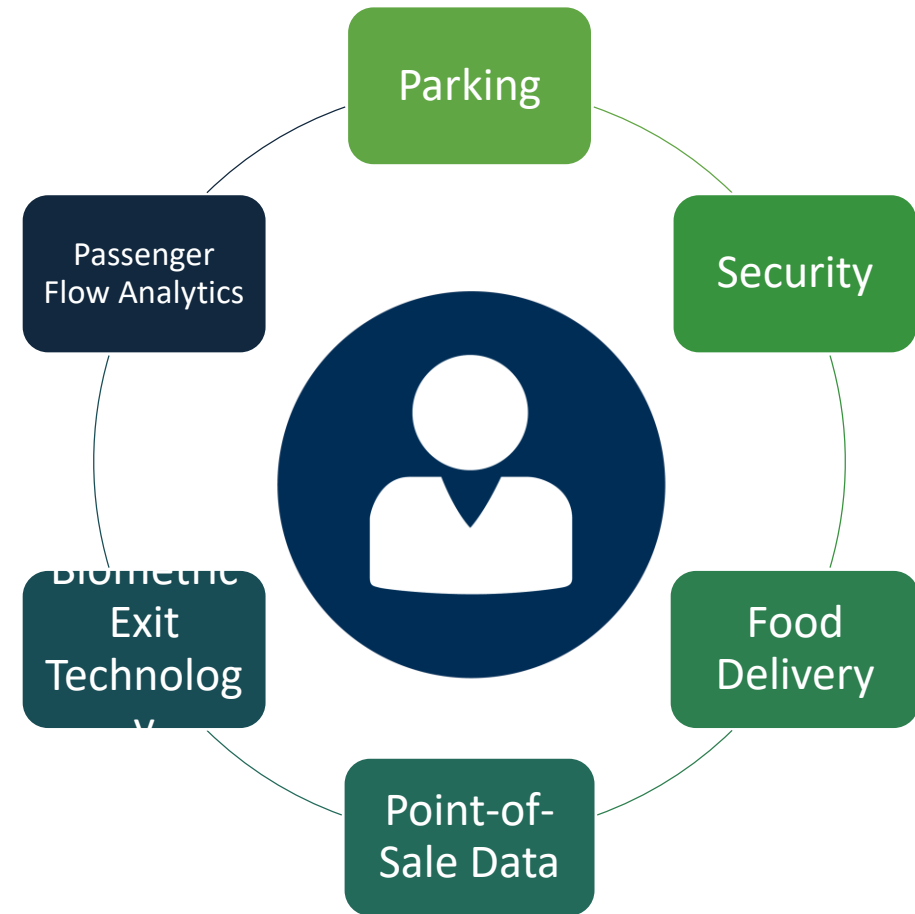
Increased emphasis on engagement

- ✈️ New Stakeholder Engagement Department
- ✈️ Greater emphasis on proactive outreach and in-person communication
- ✈️ More participation in community events
- ✈️ Stakeholder Advisory Panel (including five NOC members) for MSP long-term planning process
- ✈️ Focus on collaboration



Providing a seamless “one-journey” experience

- Technology empowers travelers to take control of their own airport experience
- Data enables airports to learn more about their customers’ habits
- Defining the model & standards for data sharing - Parking, Check-in, Wait-time, Journey
- Being proactive in meeting customer desires
- Influencing placement of customer amenities
- Timing of maintenance



Parking Reservation & Yield Management

- Customer guaranteed parking
- Provides data acquisition from customer prior to travel
- Lays foundation for a loyalty/CRM program
- Manage parking inventory & enhance revenue through dynamic pricing
- Soft Launch October
- Marketing in April 2020, coinciding with opening of new parking ramp
- Parking Guidance Pilot



Choose your dates

Select Parking Option

Complete Your Information

Confirmation

NEW! Prebooked Parking

Purchase your parking online before you arrive. When you prebook, you don't have to worry about getting a spot. You're guaranteed a place to park.



Select your airline

Arrival Date/Time

09/11/2019 08:00 AM

Departure Date/Time

09/19/2019 05:30 PM

Apply your Promocode

Search Parking

IT'S AS EASY AS 1-2-3

- 1 Pick your lot online and pay with a credit card.
- 2 Print your confirmation email or present it on your mobile device when you arrive at the parking ramp.
- 3 Scan the QR code to gain entry and find the first open space.

New Parking Ramp Opening in 2020!

We are in the midst of building a new 5,000-space parking ramp. The ramp will help alleviate parking constraints at Terminal 1, where current facilities regularly fill for short periods on Tuesdays and Wednesdays.

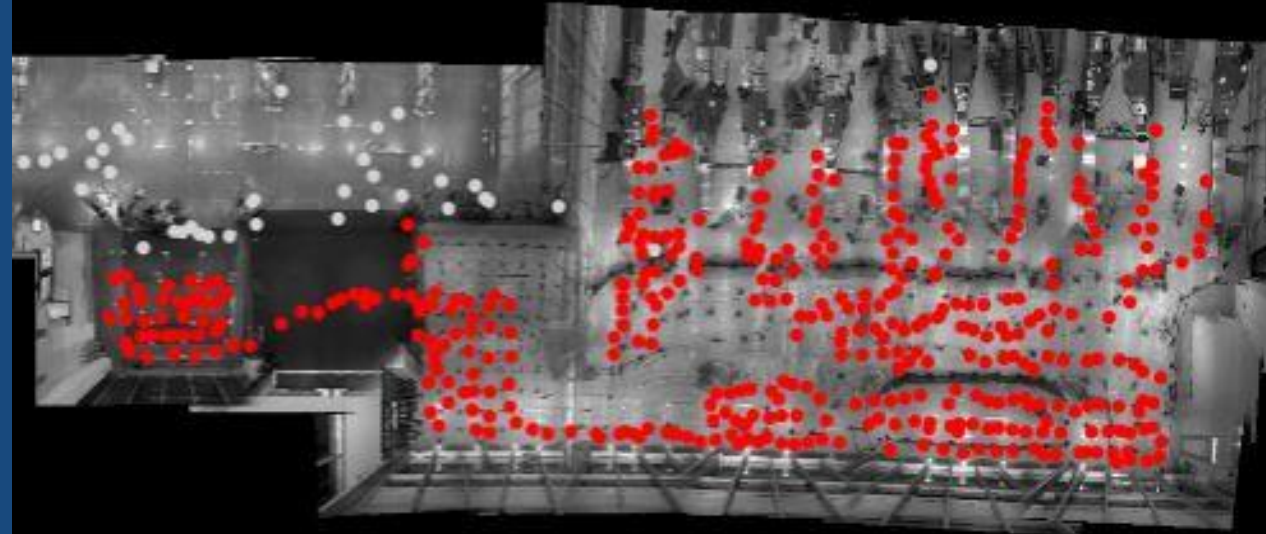
[Learn More](#)



Arrivals and Departures

Front of the House Experience

- Security passenger flow monitoring via Xovis
- Publishing security wait times in-terminal and online
- Expanding to airline ticketing que
- Used to proactively determine investment and placement of resources
- Automated security lanes



Concessions

In place, on the go, at the gate

The logo for the 'grab' app, featuring the word 'grab' in a lowercase, rounded, green font.

- Signed agreement last month.
- App enables travelers to place their order so it is ready for pickup when they arrive
- Six vendors participate

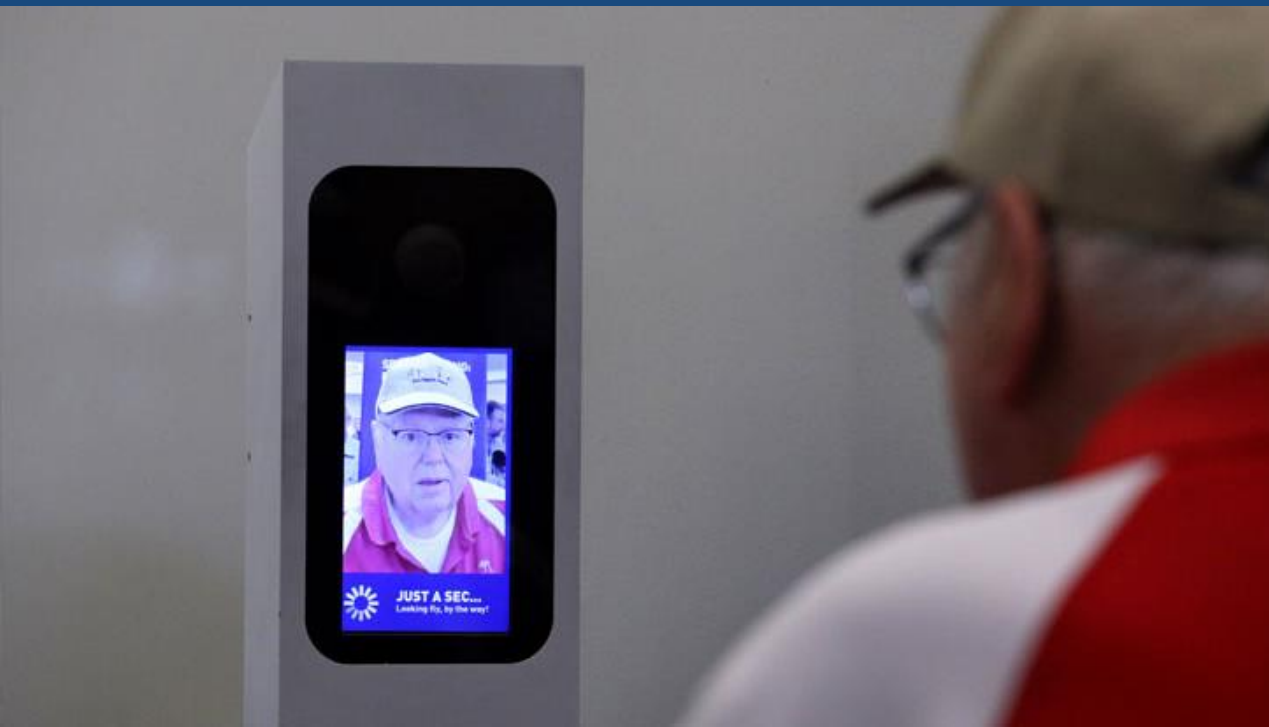


- Gate-huggers to order food using their Smart device and have it delivered to their gate
- Began serving customers at MSP in March
- Nine restaurants participate



Biometric Exit Technology

- Delta implemented facial recognition technology at 16 international gates at MSP in June
- No need for agents to manually check passports
- Speeds boarding process
- Passengers can opt to use manual process if they prefer

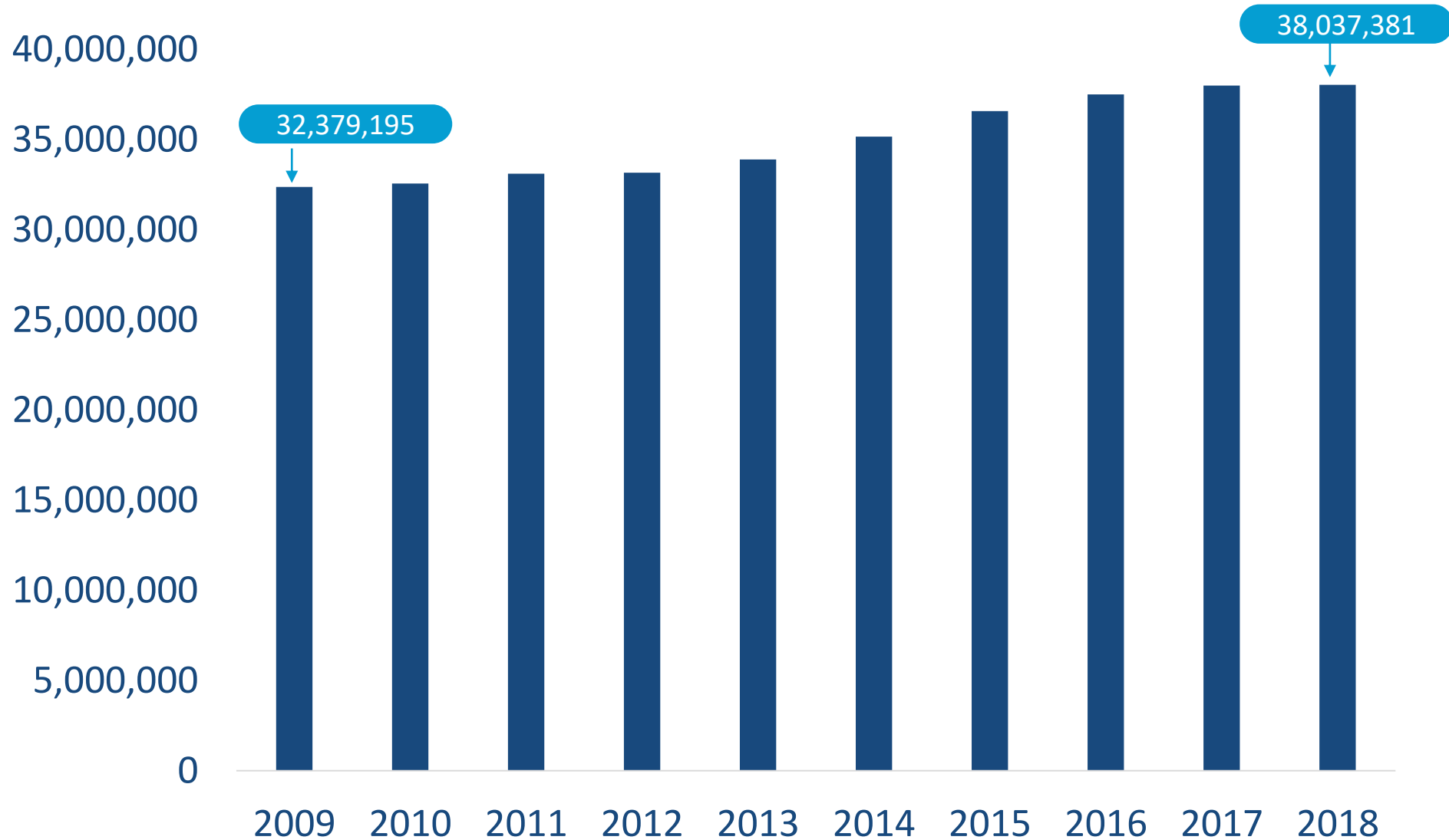


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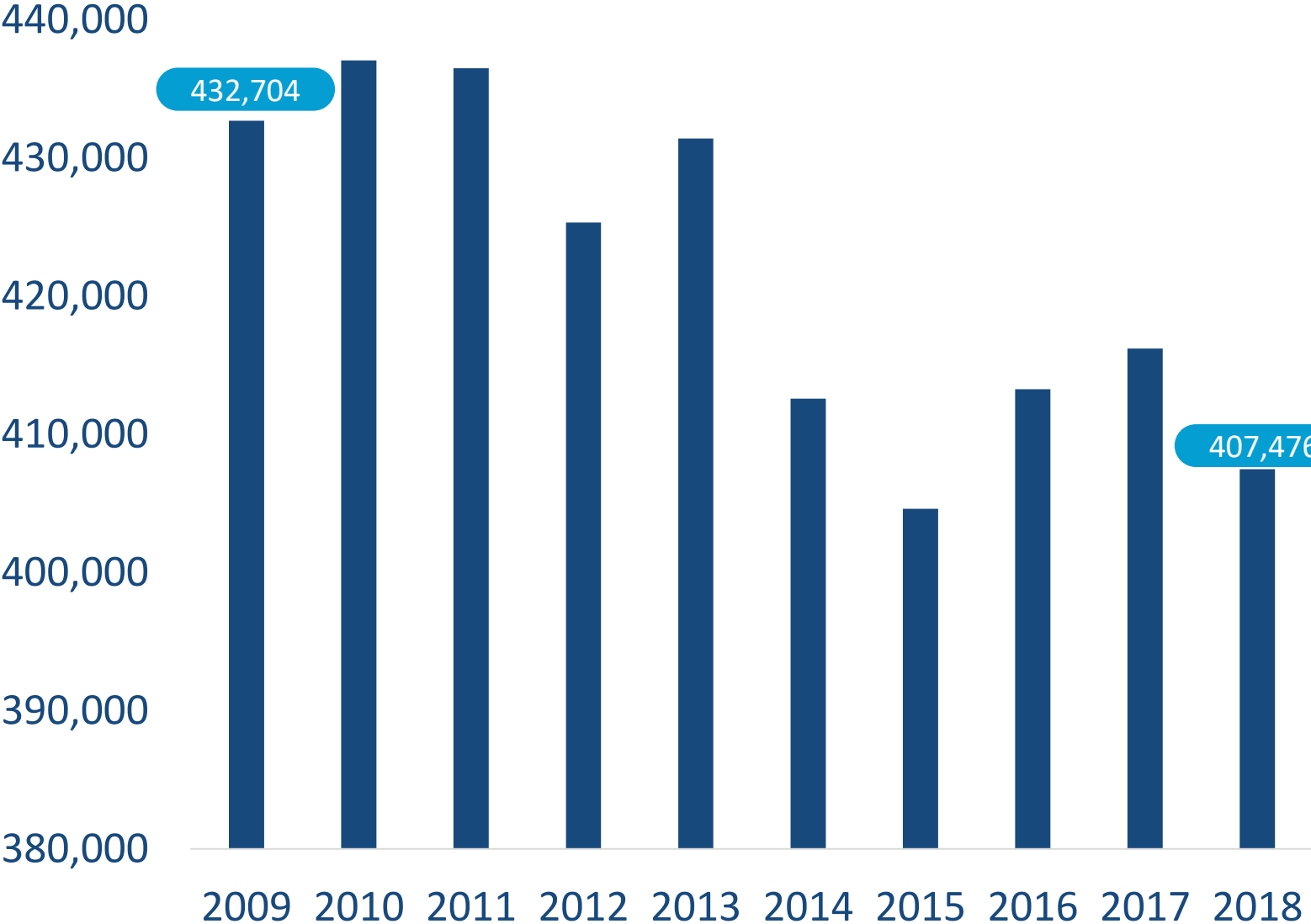
Minneapolis – St. Paul International Airport



MSP Passenger Levels

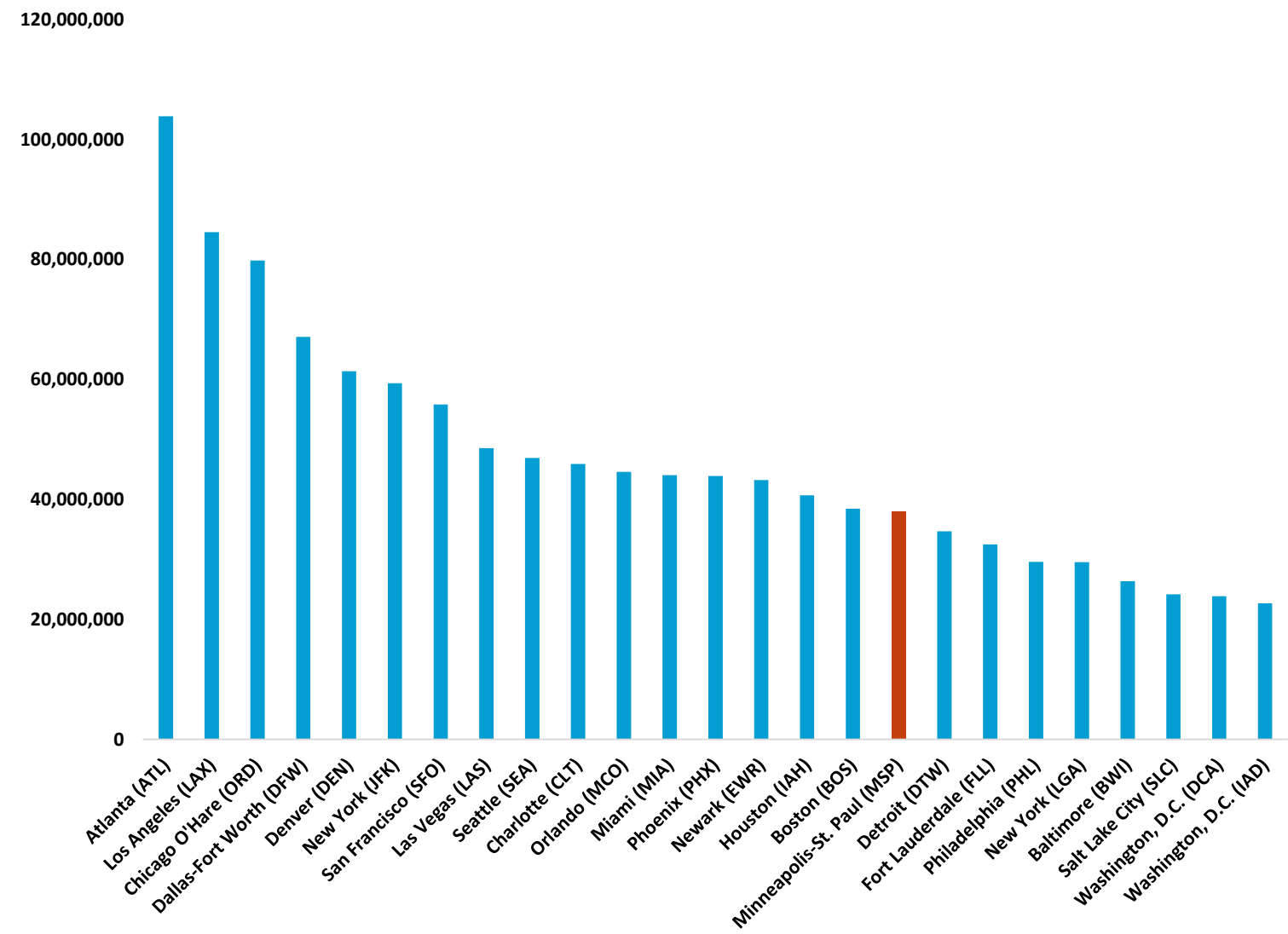


MSP Aircraft Operations

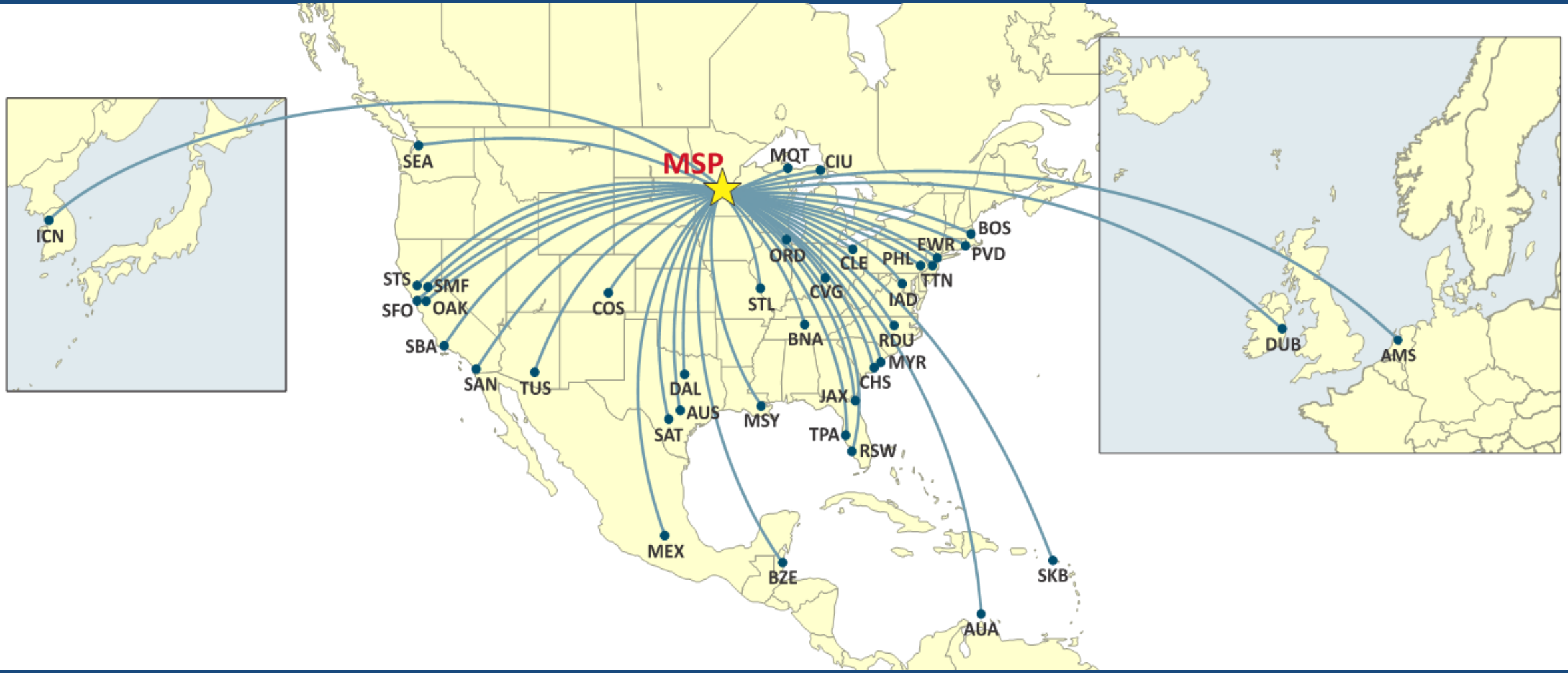


Top 25 U.S. Airport Passenger Rankings

MSP is the nation's 17th busiest airport for passengers served.



Air Service Added in 2017-2019



Eleven airlines added a total of 45 additional routes from MSP since January 1, 2017.
MSP now enjoys competitive air service on 57 of its total 167 direct routes.

On a roll for new international service



- First ever direct service from MSP to Seoul, South Korea began April 1
- Through Delta's joint venture with Korean Air, travelers can connect to 80+ destinations in Asia
- Flights occur on Boeing 777 aircraft with all new cabins



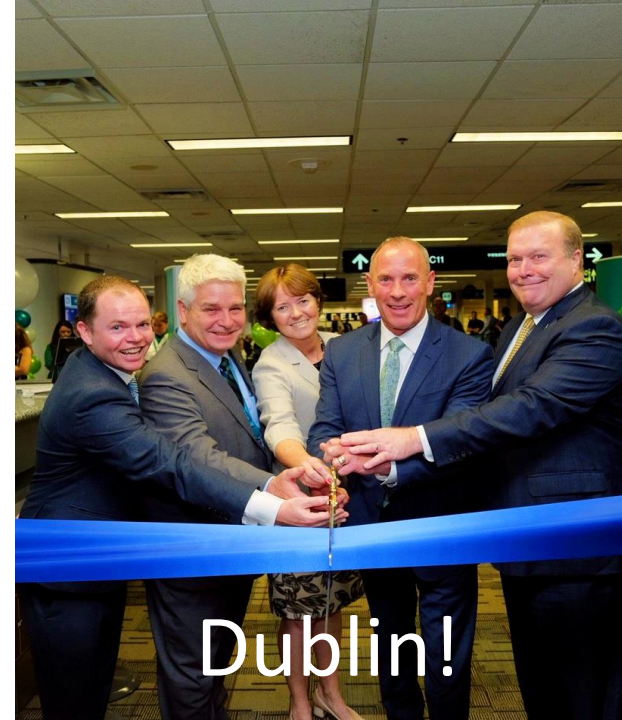
Seoul!



- Launched non-stop service June 8
- Daily service on Airbus 319 aircraft
- Through Delta's agreement with AeroMexico, passengers can connect to more than 40 other destinations in Mexico and Latin America



Mexico City!



Dublin!



- Aer Lingus launched non-stop service effective July 1
- Daily service on Boeing 757 aircraft
- From Dublin, passengers can connect to 30+ cities in Europe



- **Delta has applied to the US DOT for permission to fly non-stop between MSP and Shanghai, China.**
- **From there, travelers could connect to 70 other destinations in China through Delta's agreements with China Eastern and Shanghai Airlines.**



Shanghai!

MSP Air Carriers

Aer Lingus 

AIR CANADA 

Air Choice One 

AIRFRANCE 

Alaska
AIRLINES

American Airlines 

 BOUTIQUE AIR

 Condor

 DELTA

FRONTIER
AIRLINES

ICELANDAIR 

jetBlue



KLM

Southwest 

spirit TM

 sun country airlines.

UNITED 



GREATER  MSP

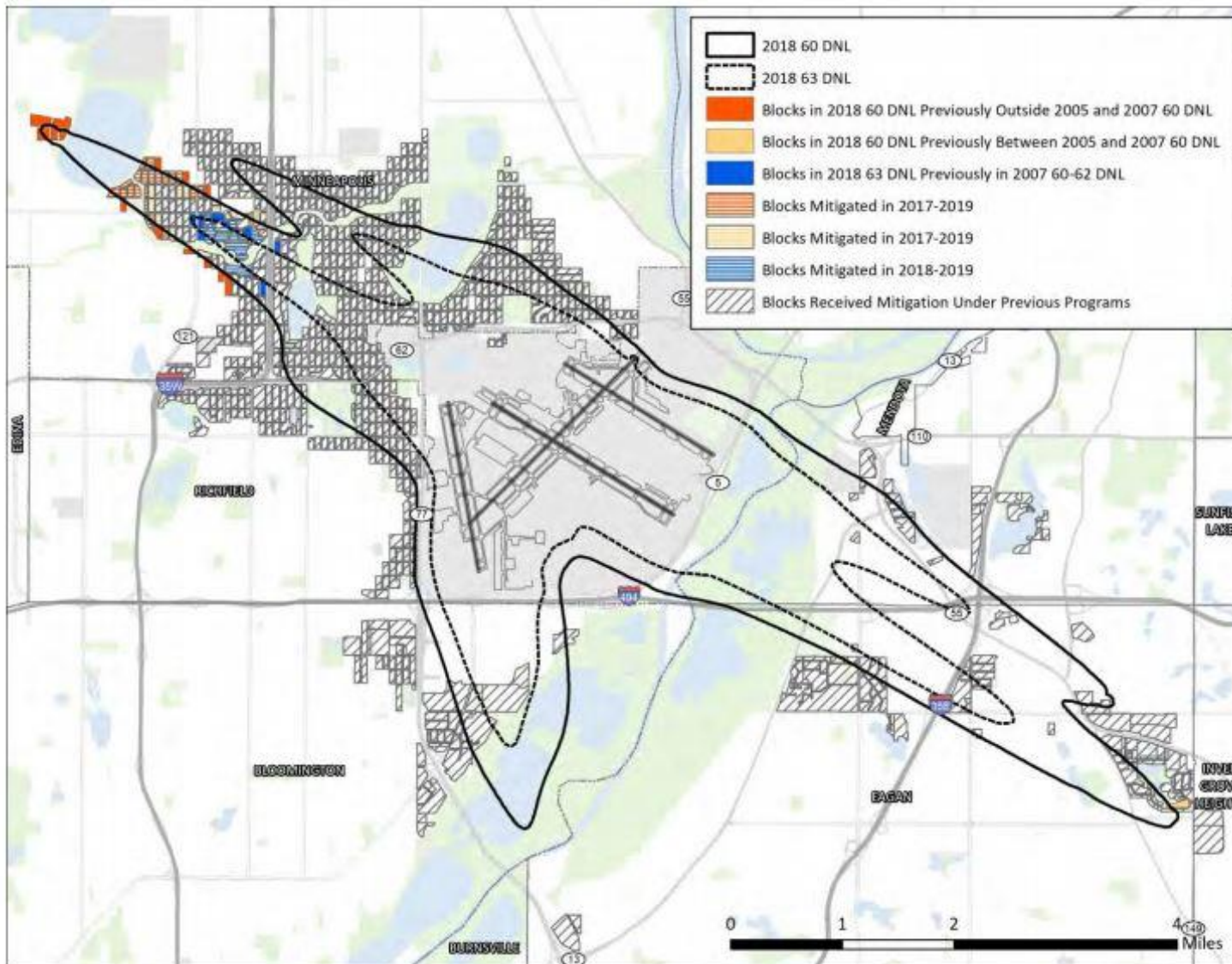


3

Sustainability



Residential Sound Insulation



To date, the MAC has invested nearly \$500 million mitigating more than 15,000 homes, 3,300 multi-family units and 19 schools.

There were 407,467 aircraft landings and takeoffs at MSP in 2018, compared to 541,093 in 2004.

Reducing our carbon footprint

MSP International Airport is actively reducing its CO2 emissions.

The airport achieved Level 2 accreditation through the Airport Carbon Accreditation Program, mapping and setting a reduction goal for carbon emissions under the MAC's control.

Next up: Level 3 accreditation, which involves working with airlines and other airport partners to reduce MSP's overall carbon footprint.



Energy-efficient method of descending:
Continuous descent with reduced engine propulsion

Active runway

Regular method of descending: Engine thrust increased in level cruising flight

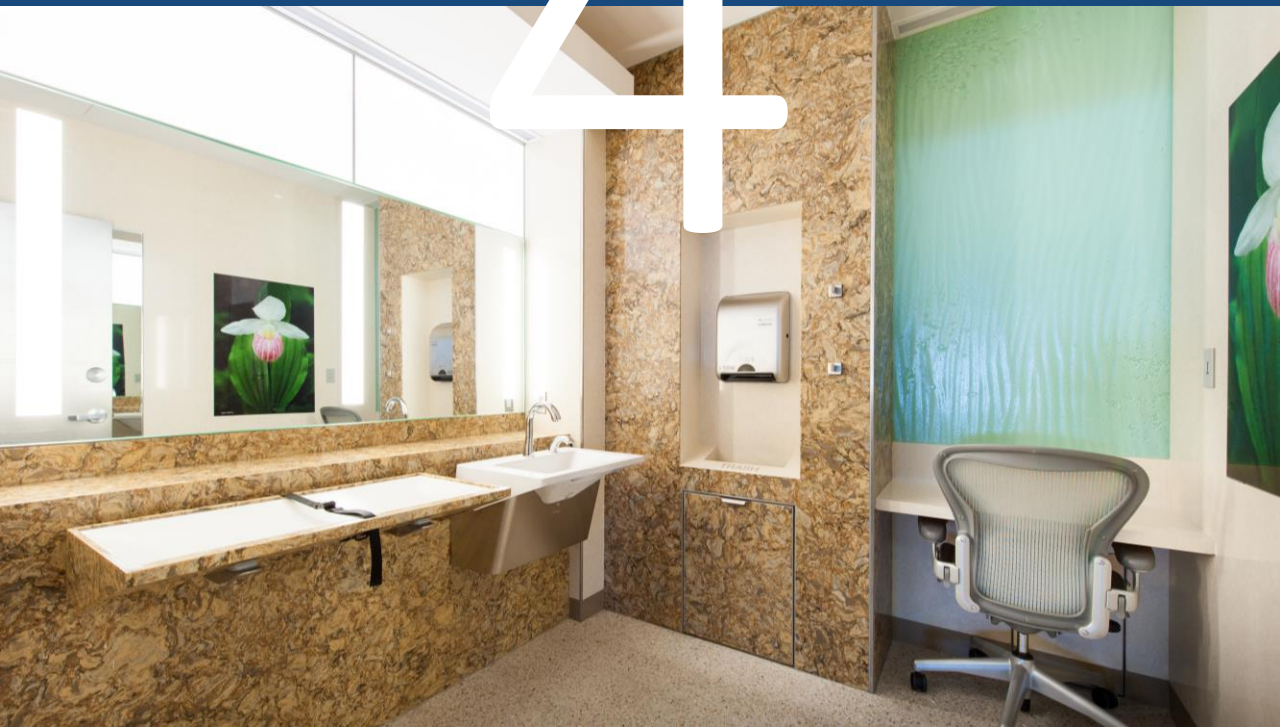
Optimized Profile Descents

The NOC advocated use of Optimized Profile Descents at MSP and asked the MAC to quantify impacts.

In partnership with Delta Air Lines, Endeavor Air and Sun Country – as well as the FAA – we were able to estimate that OPD saved nearly 2.9 million gallons of jet fuel in 2017 and reduced emissions by more than 28,000 metric tons.

That savings continues year after year.

4



MSP Reimagined

- InterContinental Hotel opened July 30, 2018
- Developed and managed by Graves Hospitality
- Connects directly to Terminal 1 via skyway
- 30,000 square feet of meeting and event space will help attract more conferences to Minnesota





IN FINAL YEAR
INTRODUCING
80 NEW
RESTAURANTS
& SHOPS

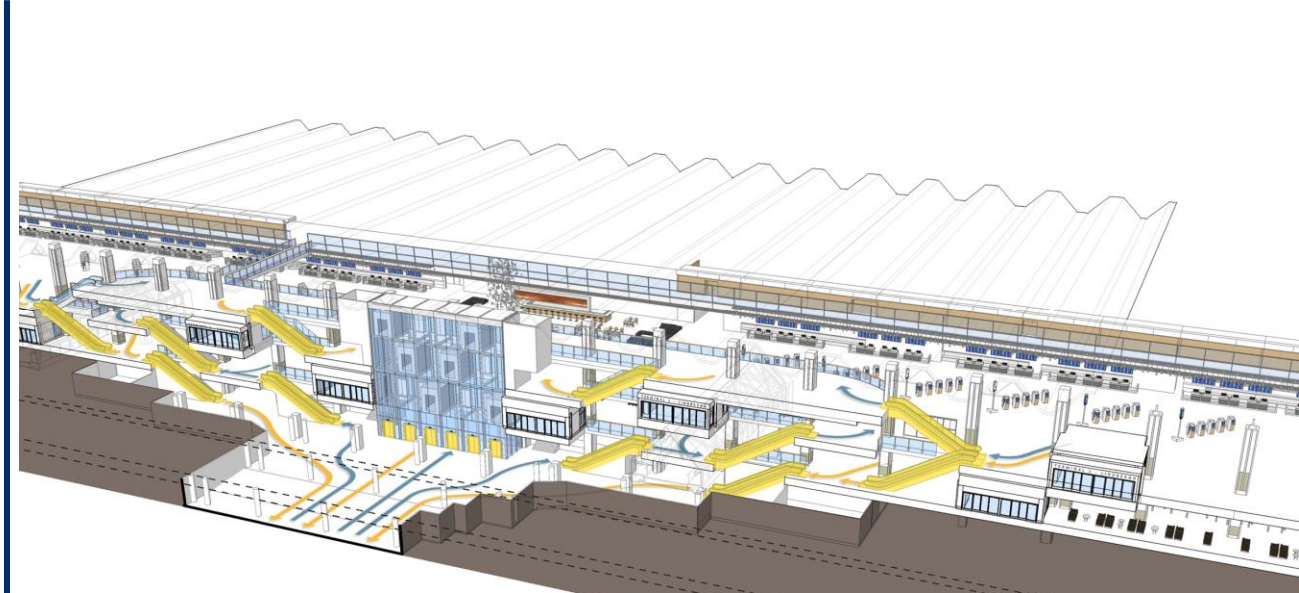




Terminal 1's 57-year-old ticketing and baggage claim levels are being completely remodeled.

Improved Flow Between Levels at Terminal 1

- Pushing front wall of Terminal 1 out 16 feet to provide more space for airline check-in, security and bag claim functions
- Elevators and escalators linearly aligned to provide more efficient movement
- Improved sightlines and daylighting
- Centrally located services: food, retail, information desks and restrooms





DEPARTURES 4



In June, Delta opened a new passenger check-in counter on the east curbside, across from Terminal 1. The service provides easy check-in access for passengers being dropped off, parking, returning a rental car or arriving via light rail transit.

Delta also introduced facial recognition technology at 16 MSP gates to speed boarding of international flights.



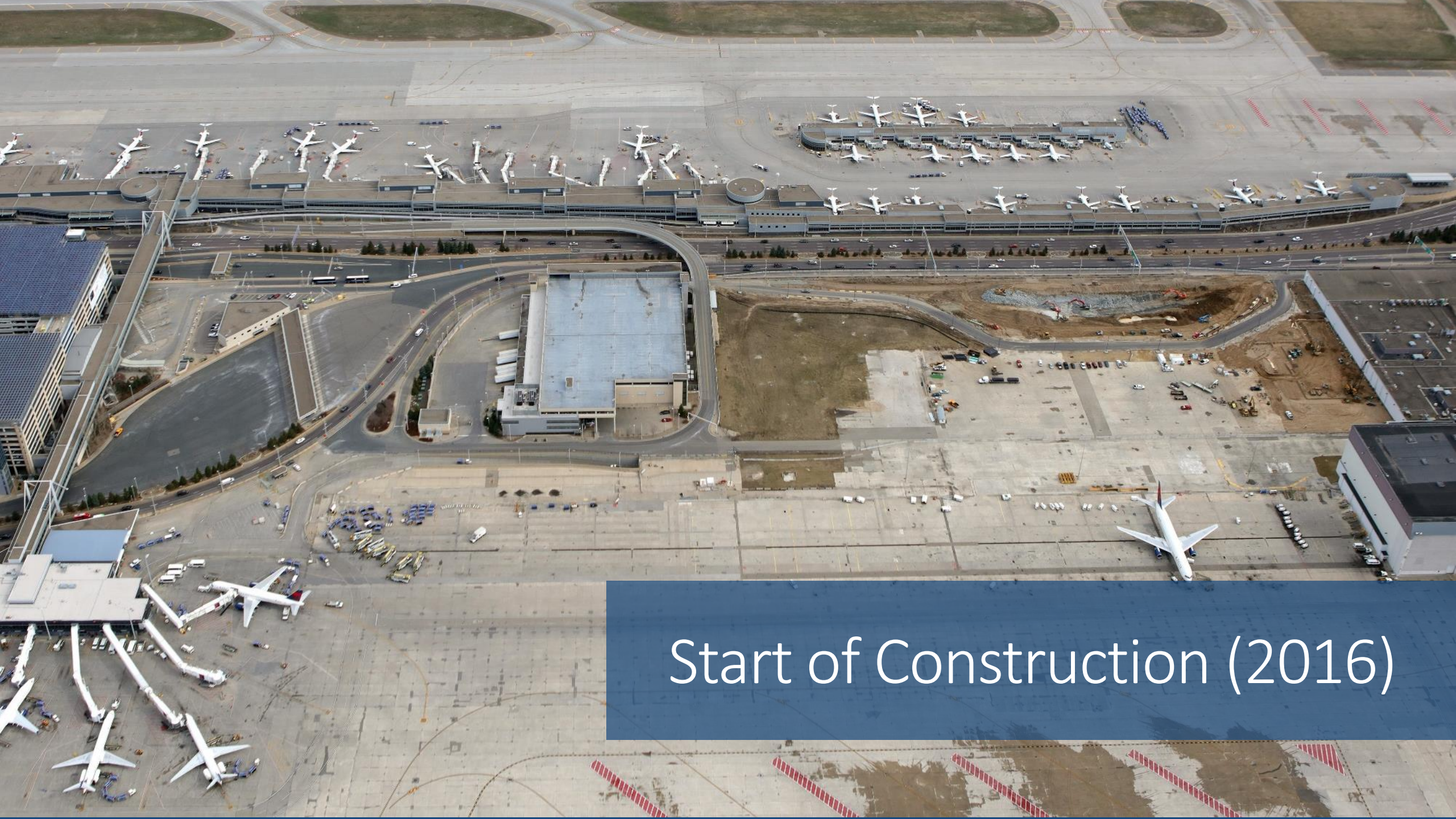
Silver Parking Ramp

Construction of a 5,000-space ramp with improved auto rental and transit facilities is on schedule for 2020 completion.

Concourse G Improvements



- **New Delta Sky Club**
- **8,400 sq. ft. of restaurant space**
- **1,500 sq. ft. of shopping space**
- **New, modern restrooms**
- **Sky-lit rotunda**



Start of Construction (2016)



August 2019

5

Economic Impacts



\$15.9 Billion
Total Economic Output



\$7.1 Billion
Direct Economic Impact



86,900
Jobs



\$3.7 Billion
Employee Earnings



\$973 Million
Taxes generated for
local, state and federal
programs



\$2.5 Billion
Visitor Spending



Reliever Airports:

- \$756 million in total economic output
- 1,030 direct jobs
- \$56 million in direct wages

6

Recognizing
Excellence





Highest Recognition from Airports Council International-North America

- Best Airport Concessions Program in North America
- Best Airport Retail Program in North America (1st Place MSP)
- Best New National Brand Concept in North America (Starbucks - Main Mall)
- Best 'Green' Concession Concept or Practice in North America (HMSHost – Loaves and Fishes)

*MSP also won the overall **Best Airport Food & Beverage Offer** for the Americas Region at the 2019 Moodie Davitt Report Airport Food and Beverage (FAB) Awards in June*



Best Airport in
North America*
2016, 2017, 2018

- Airports Council international

Most Efficient Airport
in North America*

2017, 2018, 2019

- Air Transport Research Society

* 25-40 Million Passenger Category







MetroAirports.org MSPAairport.com



@mspairport

ITEM 5

EAGAN CITY COUNCIL REQUEST



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019





EAGAN

Use of Runway 17 for departures has increased dramatically since the implementation of CRO, including more frequent use of the south flow configuration. The Runway Use System (RUS) calls for Runway 12R and 12L as the first priority for departures. However, Runway 17 is the most frequently used runway for southerly departures in contradiction to the RUS.

Issue #1

- Consider the feasibility to direct departures from MSP with initial fixes of COULT or ZMBRO to use Runway 12R instead of Runway 17
- Vary the use of Runway 17 departure headings to limit the frequency of overflights in neighborhoods



EAGAN

More frequent use of the 120, 140, and 155-degree departure headings off Runway 17 has caused a significant increase in the noise burden over residential areas of Eagan

Issue #2

- Implement an eastbound turn restriction off Runway 17 similar to the westbound 2.5-mile river departure procedure
- Review the feasibility of a new southerly fix located approximately 6.6 miles at the intersection of 35E and Cedar Avenue to which all or a portion of Runway 17 departures could be directed to prior to making their eastbound turn
- Better fan aircraft by increasing the use of the 180-degree heading to more equitably distribute operations currently using the 120, 140, and 155-degree headings
- Could all Runway 17 departures use the 2.5-mile river departure procedure to gain altitude before making an easterly turn to their destination?

Westbound departures on
Runway 12R are making
sweeping, westerly turns over
predominantly residential areas



EAGAN

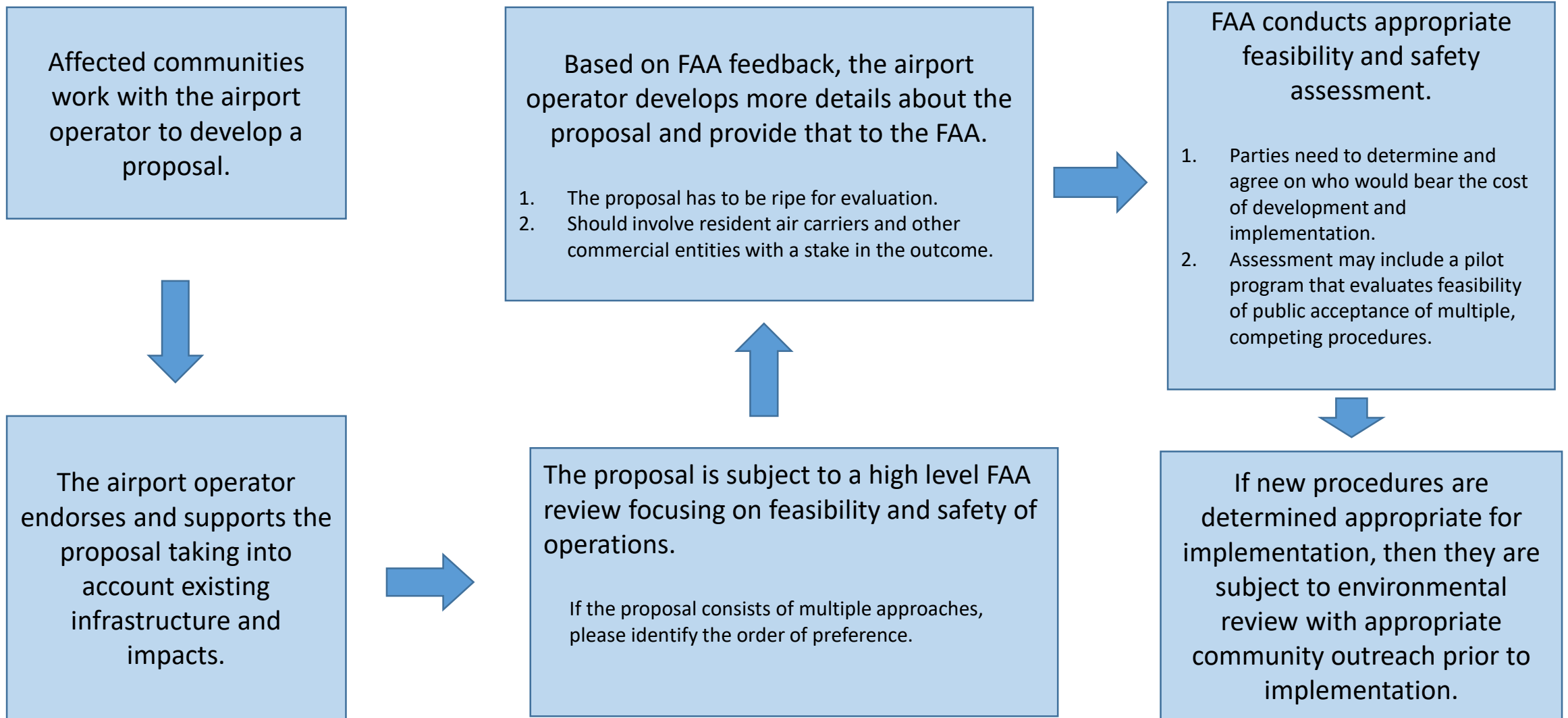
Issue #3

- Move Runway 12R and 12L westbound departures to Runway 17 to take advantage of the 2.5-mile river departure procedure. In particular, consider this change during the nighttime given this practice already occurs during the daytime.
- Could westbound departures from Runway 12R turn immediately after departure and follow the river valley to the southwest without impacting residents living in northern Eagan?
- Could departures in the corridor be required to reach a certain altitude (e.g. 5000 feet) before initiating their westbound turn?

Airport Noise Mitigation

Amending Instrument Departure Procedures Through Collaboration

Amending Instrument Departure Procedures Through Collaboration – A Process Approach



Action Requested

DIRECT MAC STAFF TO REVIEW PROPOSALS CONTAINED IN THE LETTER FROM THE CITY OF EAGAN AND REPORT BACK TO THE NOISE OVERSIGHT COMMITTEE AT THE NOVEMBER MEETING



NOISE OVERSIGHT COMMITTEE
JULY 17, 2019



ITEM 6 CONVERGING RUNWAY OPERATIONS



**NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019**



ITEM 7

FORT SNELLING UPPER POST REDEVELOPMENT



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



Fort Snelling Upper Post

Owned by MN DNR

Designated as a National Historic
Landmark

Redevelopment of the Upper
Post was defined by the 2018
MN legislature as a strategic
priority

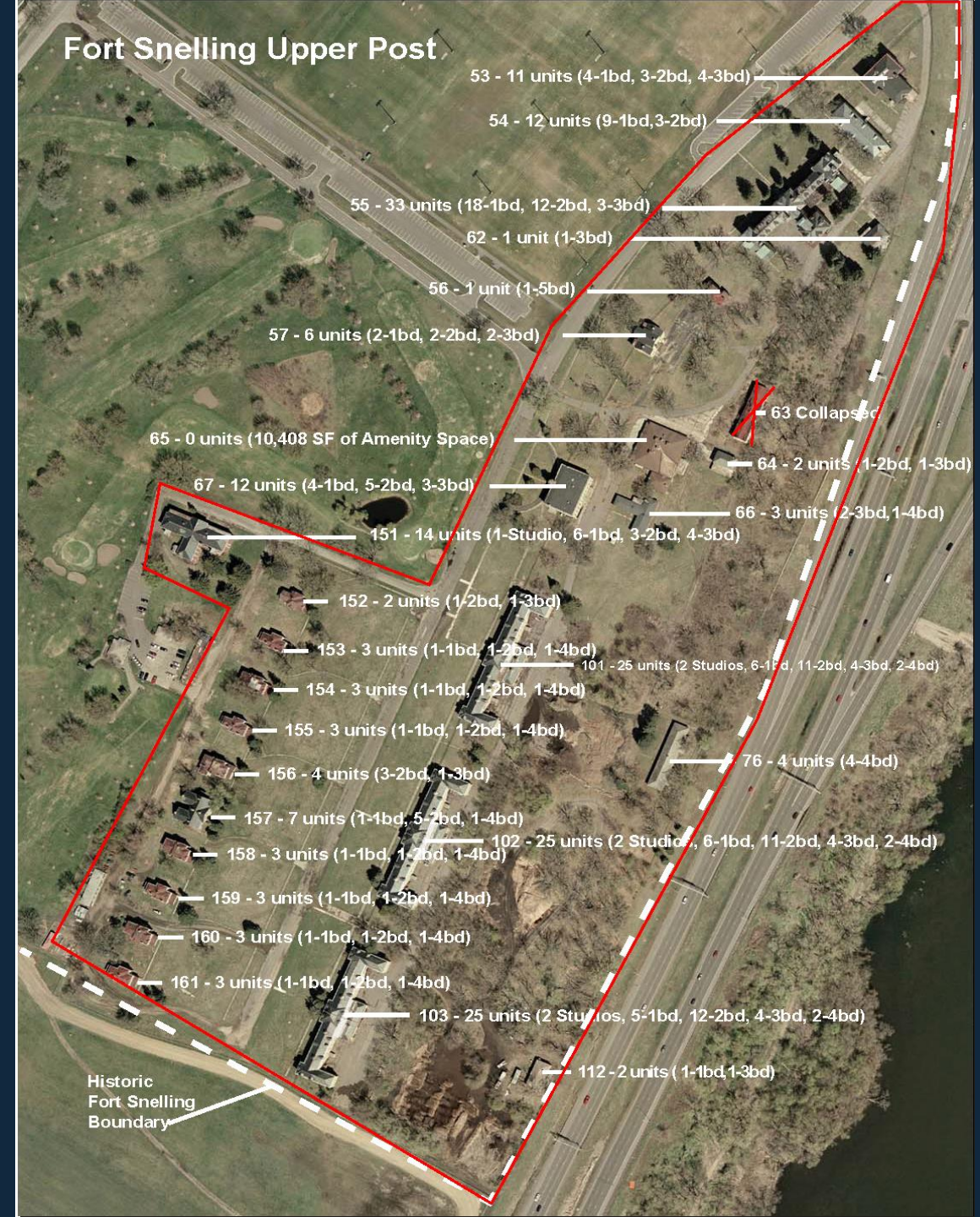
Financial pathways were created
for a redevelopment project to
proceed



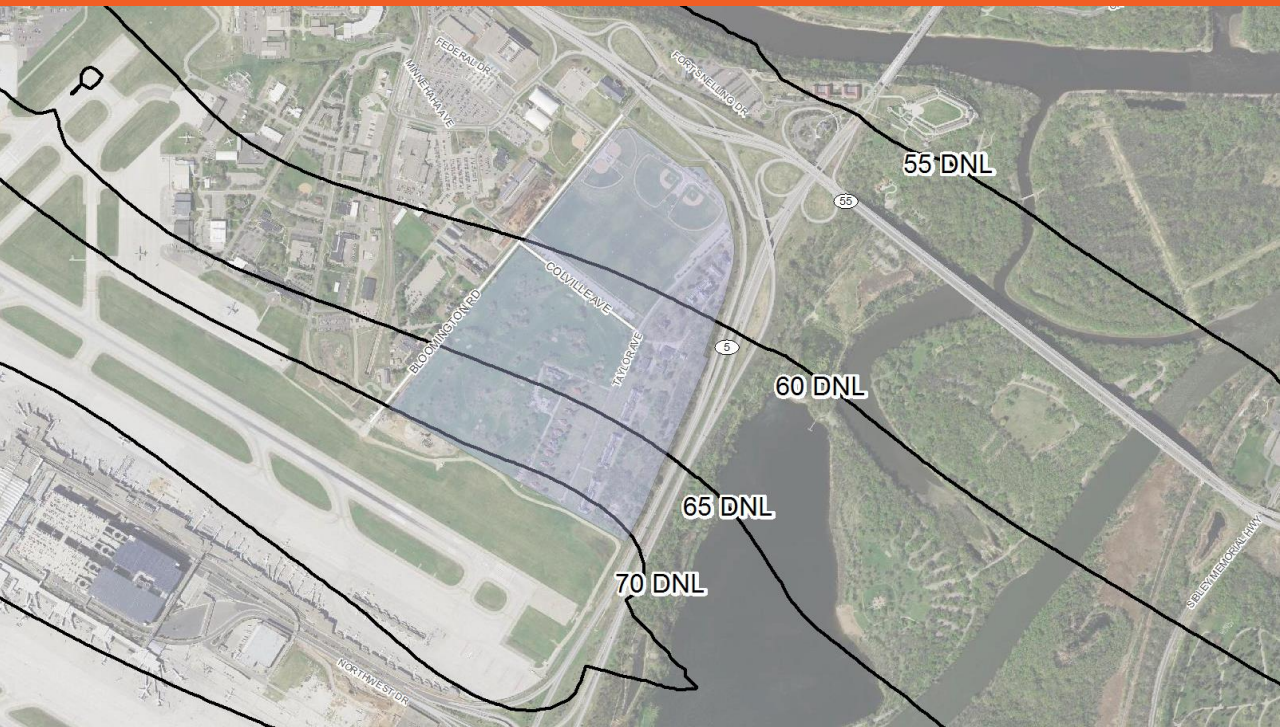
Fort Snelling Upper Post

DNR negotiated a 99-year lease with developer, Dominion

Up to 215 units of moderate-income housing (incomes up to 60% of area median) with a preference to military vets



Fort Snelling Upper Post



Approximately 20 proposed residential units within 2018 70-75 DNL noise level

MAC involved to share concerns about aircraft noise impacts

Residential structures will include sound attenuation to abate interior noise levels to 45 dB DNL or less

Additionally, DNR has required attenuation to levels over 55 dBA

Fort Snelling Upper Post

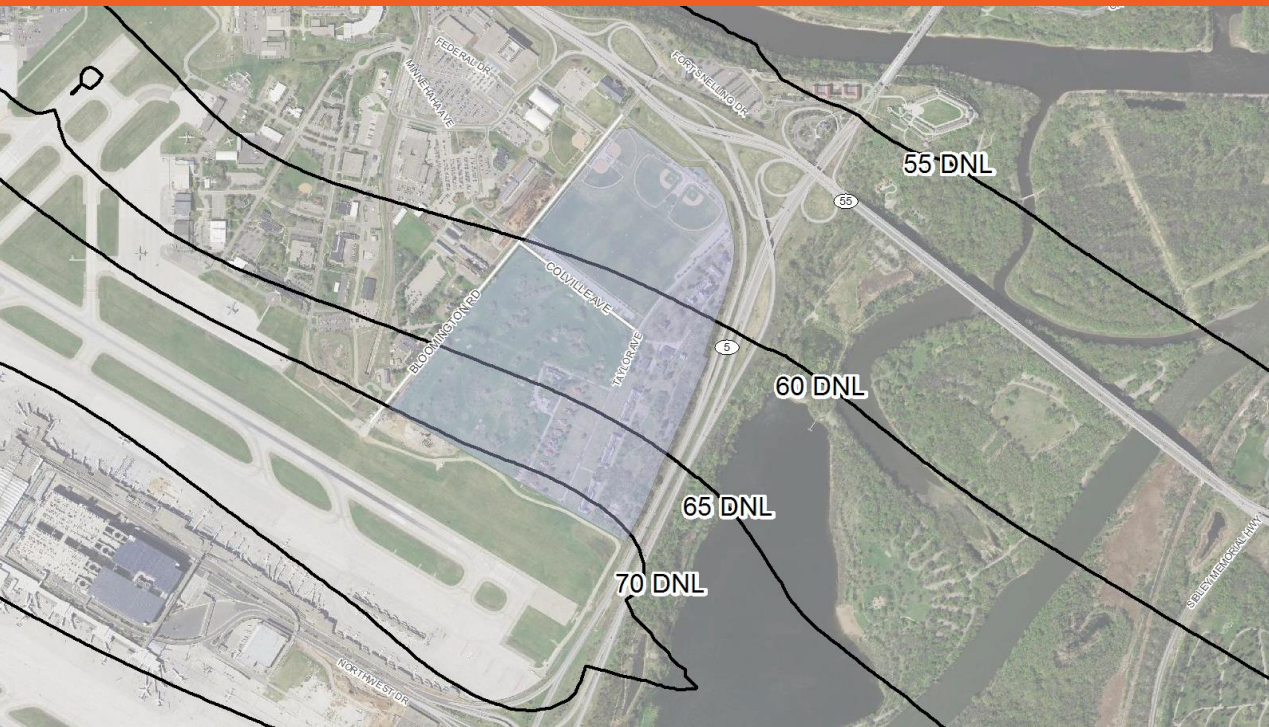
DNR prepared an EAW for the project

The EAW is open for public comment until September 25 at 4:30 p.m.

The EAW document is available at:

<https://www.dnr.state.mn.us/inp/ut/environmentalreview/upperpost/index.html>

MAC will be submitting a comment on the EAW



ITEM 8

MSP LONG-TERM PLAN FORECAST



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



Aviation Activity Forecasts

What?

How?



Aviation Activity Forecasts

Objective: develop aviation forecasts for MSP that identify a likely range of demand levels in a manner that will facilitate a meaningful evaluation of facility performance

How?



Aviation Activity Forecasts

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Forecasts will:

Have enough detail to inform future development to meet demand level

Provide a reasonable range of forecast outcomes to promote operational efficiency and flexibility

Engage stakeholders to provide insights into forecast development



Aviation Activity Forecasts

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Aviation Activity Forecasts

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Aviation Activity Forecasts

Forecasts will predict activity levels that

will occur naturally

over time as our metropolitan area and state
continues to grow and prosper

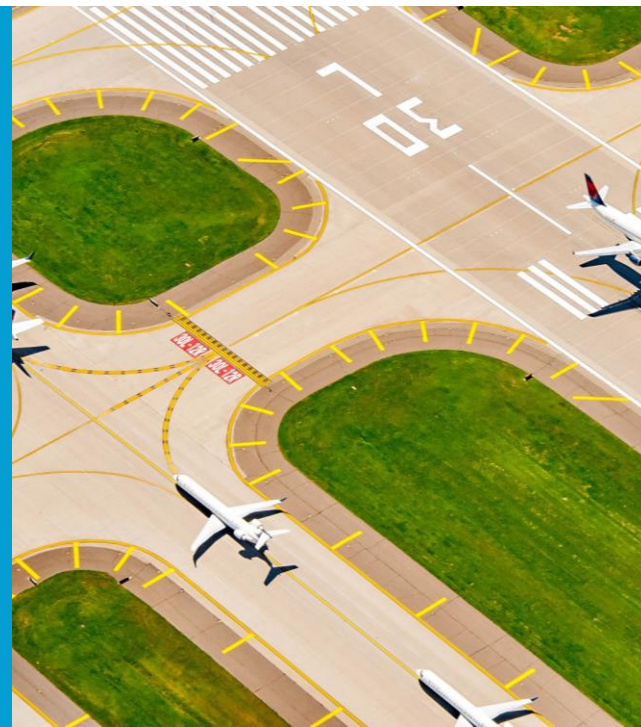


Forecast Elements

(2018 – 2040)



Passengers



Total Aircraft
Operations

Cargo Activity



Forecast Scenarios

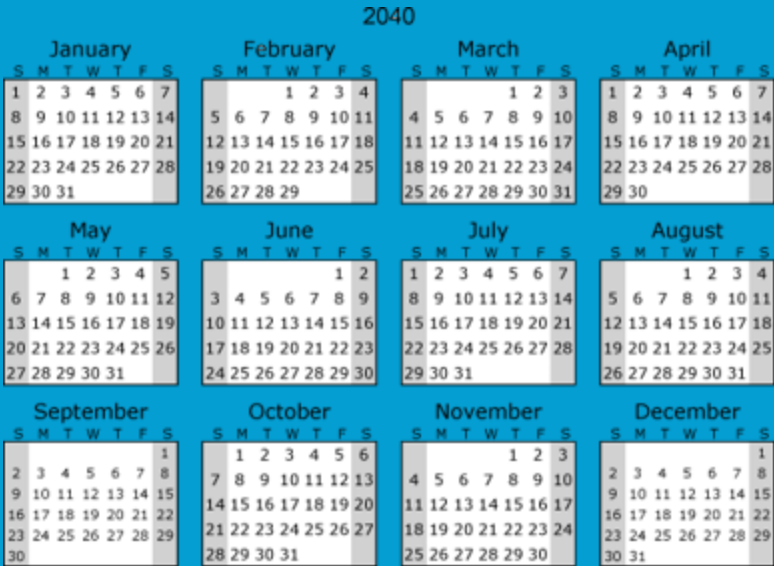
- ✈ Baseline
- ✈ High
- ✈ Low



Design Day Flight Schedules

August 2040						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10 	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

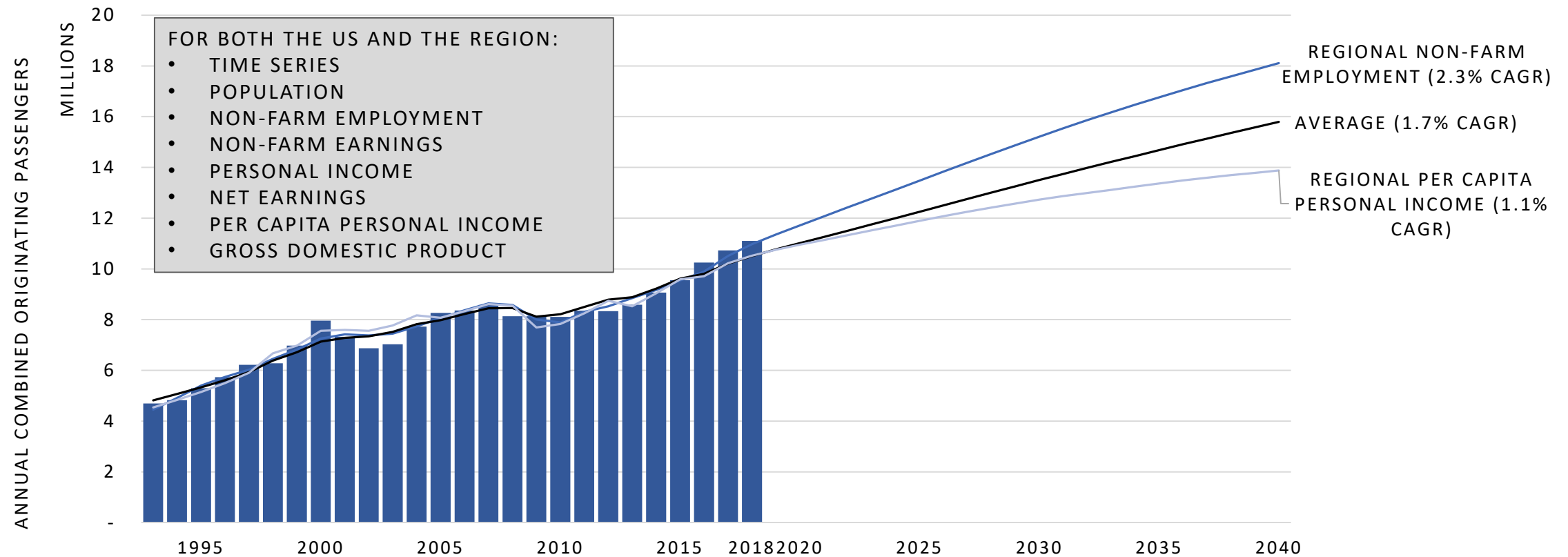
Annual Projections



Forecast Elements

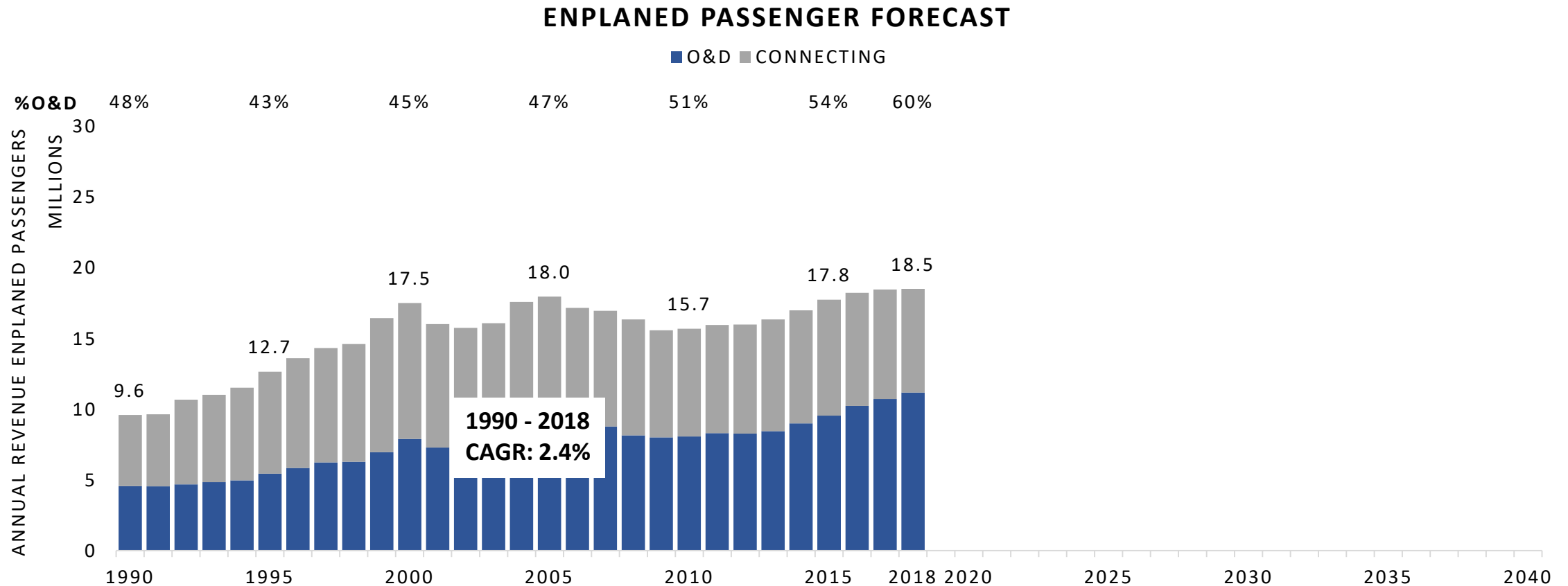
- ✓ **Data Collection**
Complete
- ✓ **Market Assessment and Factors Affecting Aviation Demand**
Complete
- ✓ **Baseline Aviation Activity Forecast Development**
Complete
- ✓ **Alternative Demand Scenarios**
Complete
- 📄 **Peaking Metrics and Design Day Flight Schedules (Baseline and Scenario)**
Currently in Progress
- 📄 **Documentation**
Currently in Progress/Ongoing

Combined O&D Socioeconomic Drivers Present a Range of Growth at MSP

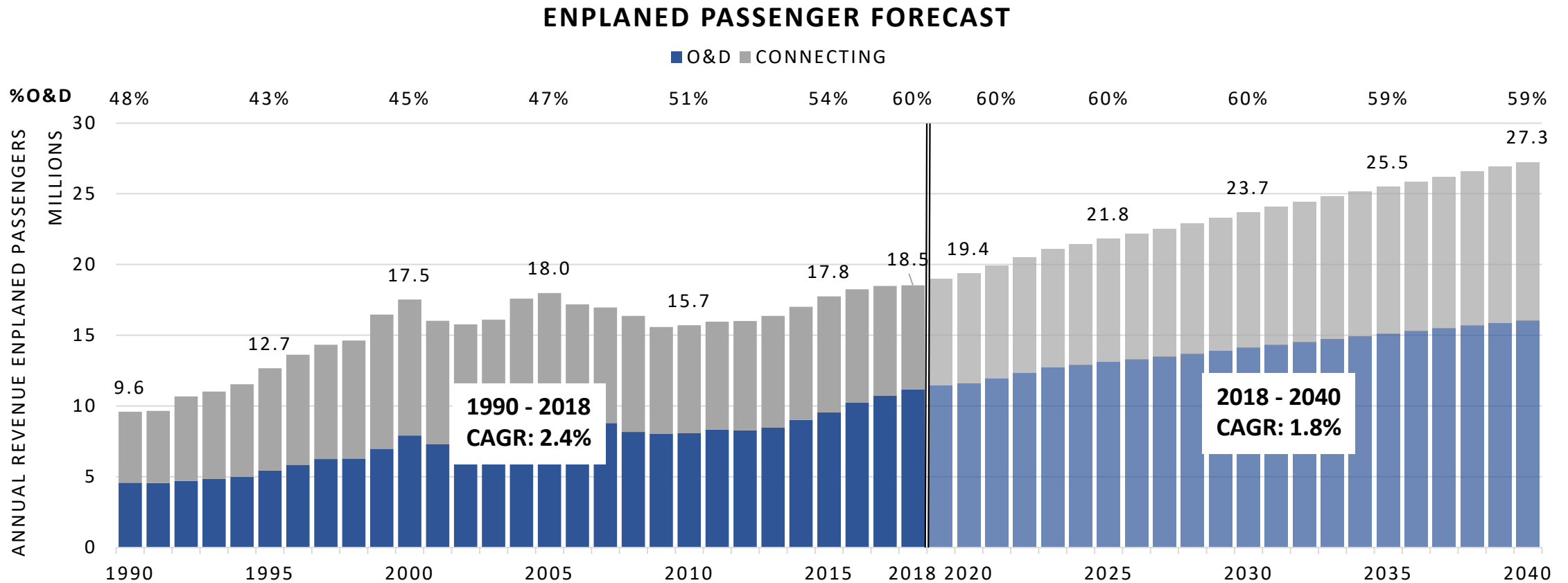


Source: BTS RITA data (2018 is four quarters ending Q2 2018), MAC activity statistics, Woods & Poole Economics, Inc., Ricondo (analysis)

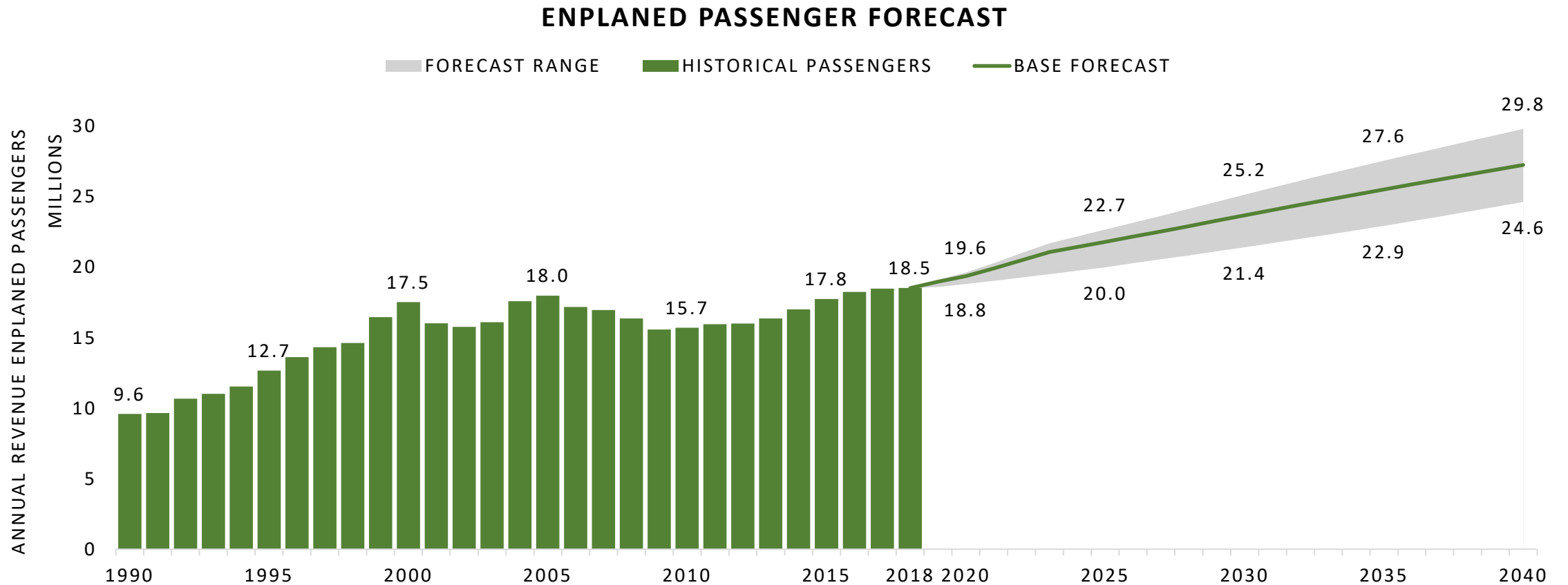
Enplaned Passenger Forecast – O&D vs. Connecting



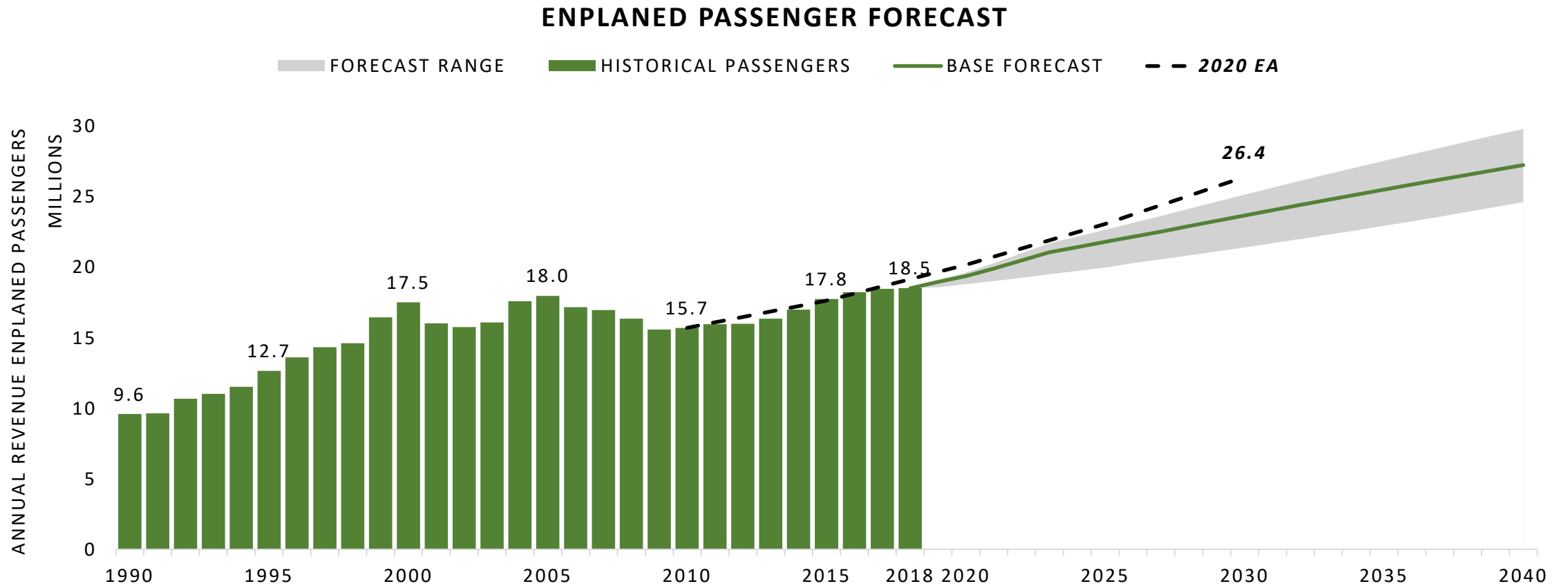
Enplaned Passenger Forecast – O&D vs. Connecting



Enplaned Passenger Forecasts



Enplaned Passenger Forecasts



How can new passenger growth be accommodated?

- ✈️ New flights
- ✈️ Bigger aircraft
- ✈️ Increased load factors



Other Forecast Elements



Cargo Forecast

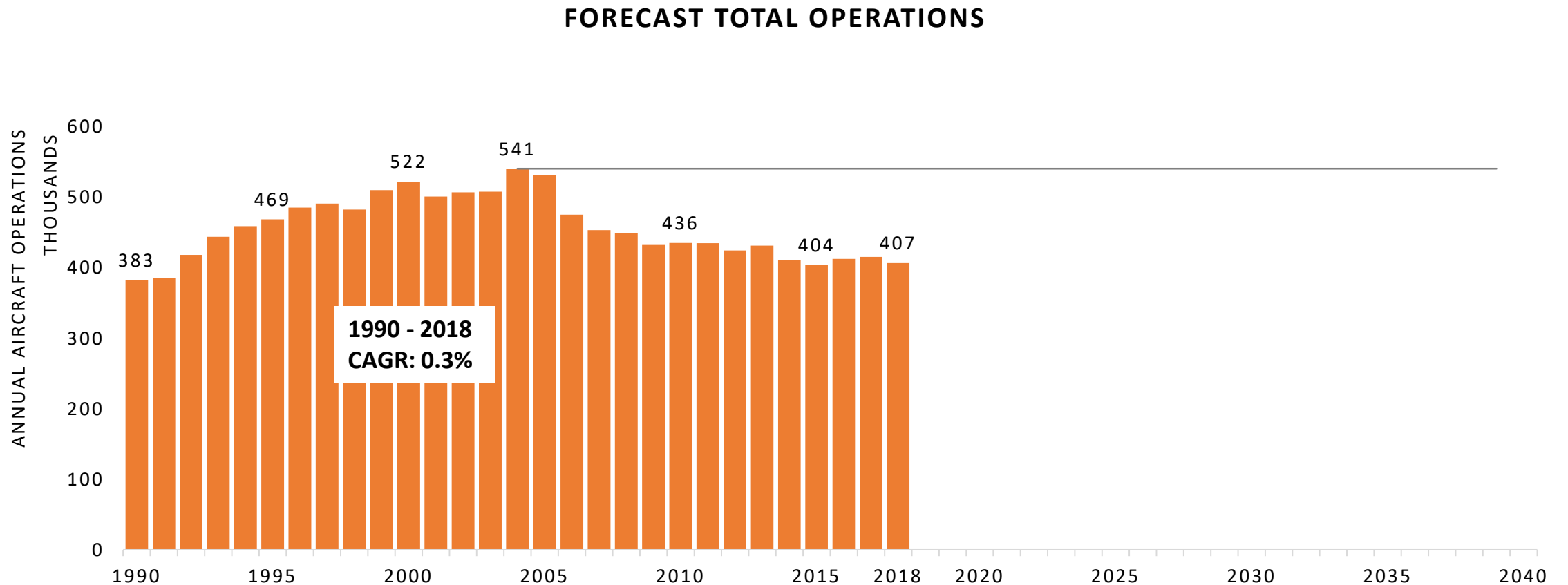
Military Activity



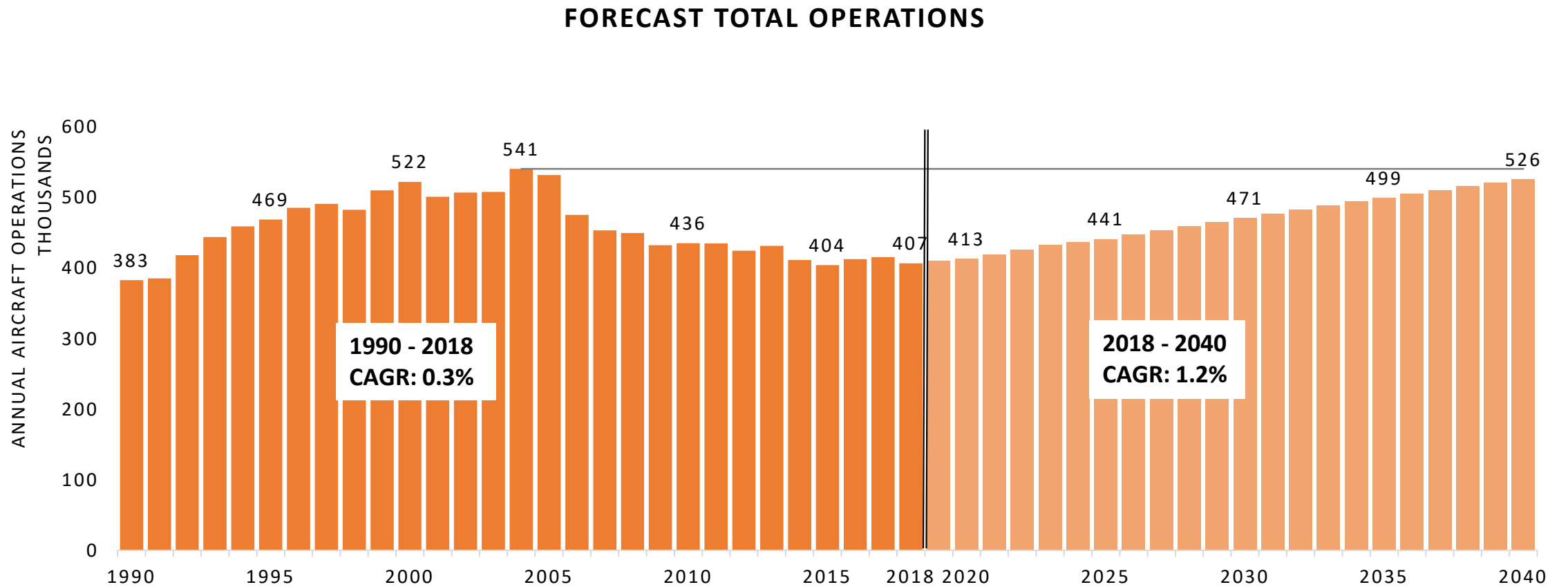
MSP General Aviation



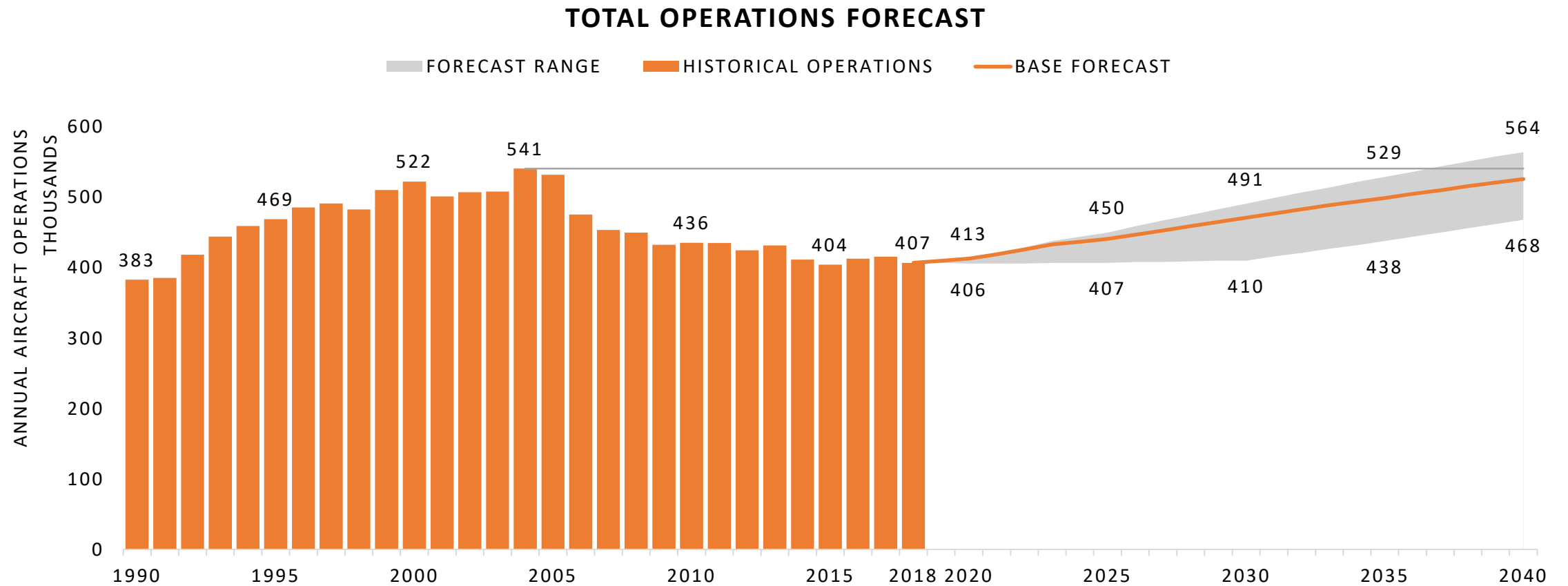
Forecast Total Operations



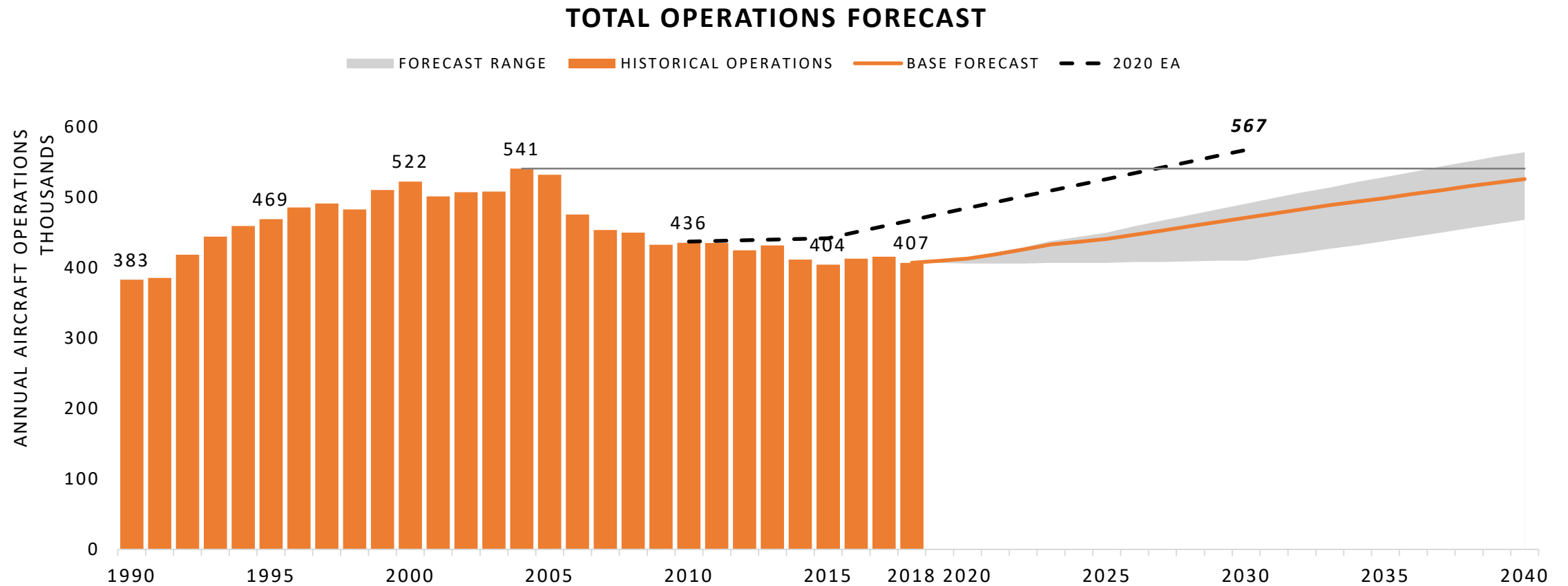
Forecast Total Operations



Total Operations Forecasts



Total Operations Forecasts



Current Fleet Mix

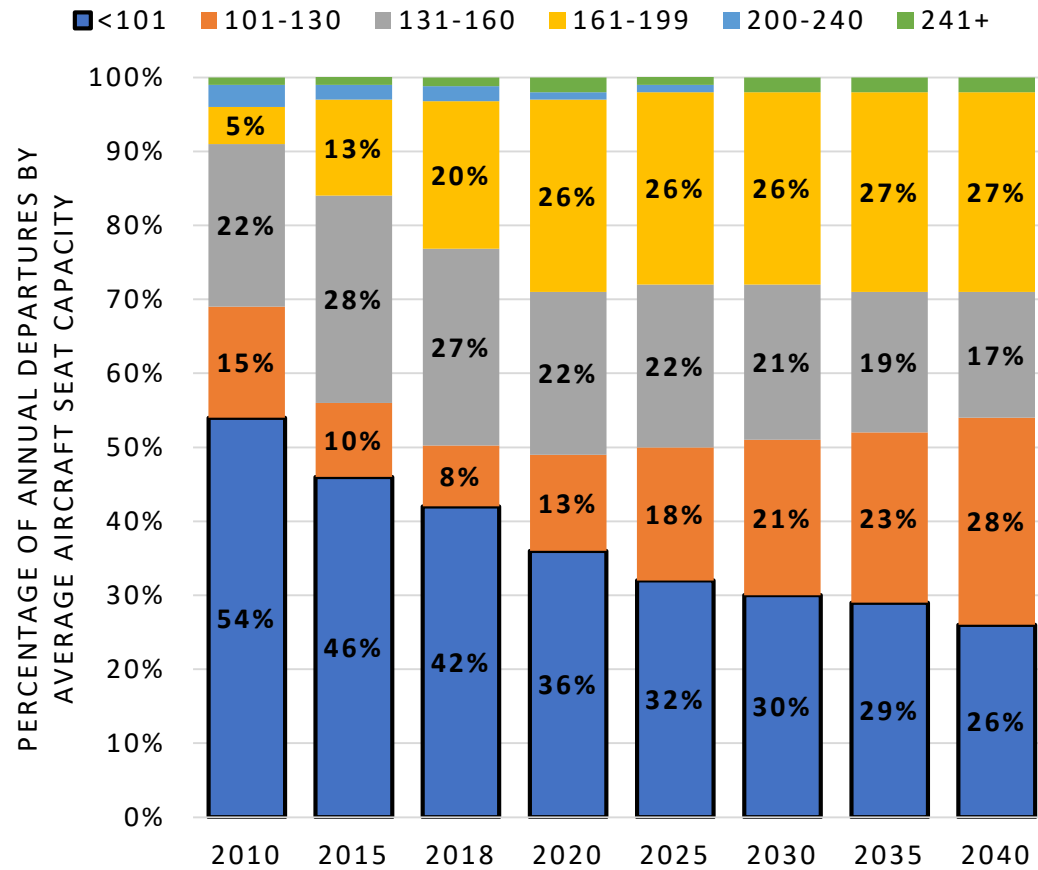
42% of all operations were on aircraft with
less than **100 seats**

27% of all operations were on aircraft with
131 – 160 seats

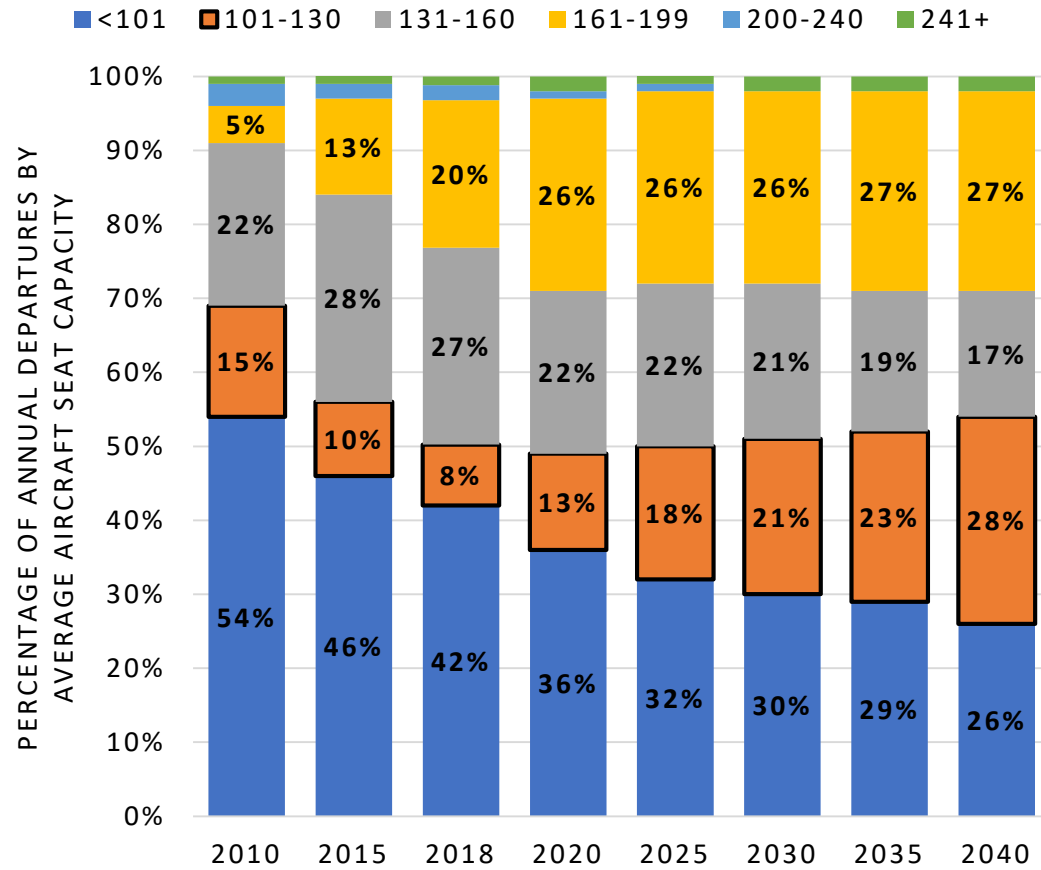
20% of all operations were on aircraft with
161 – 199 seats



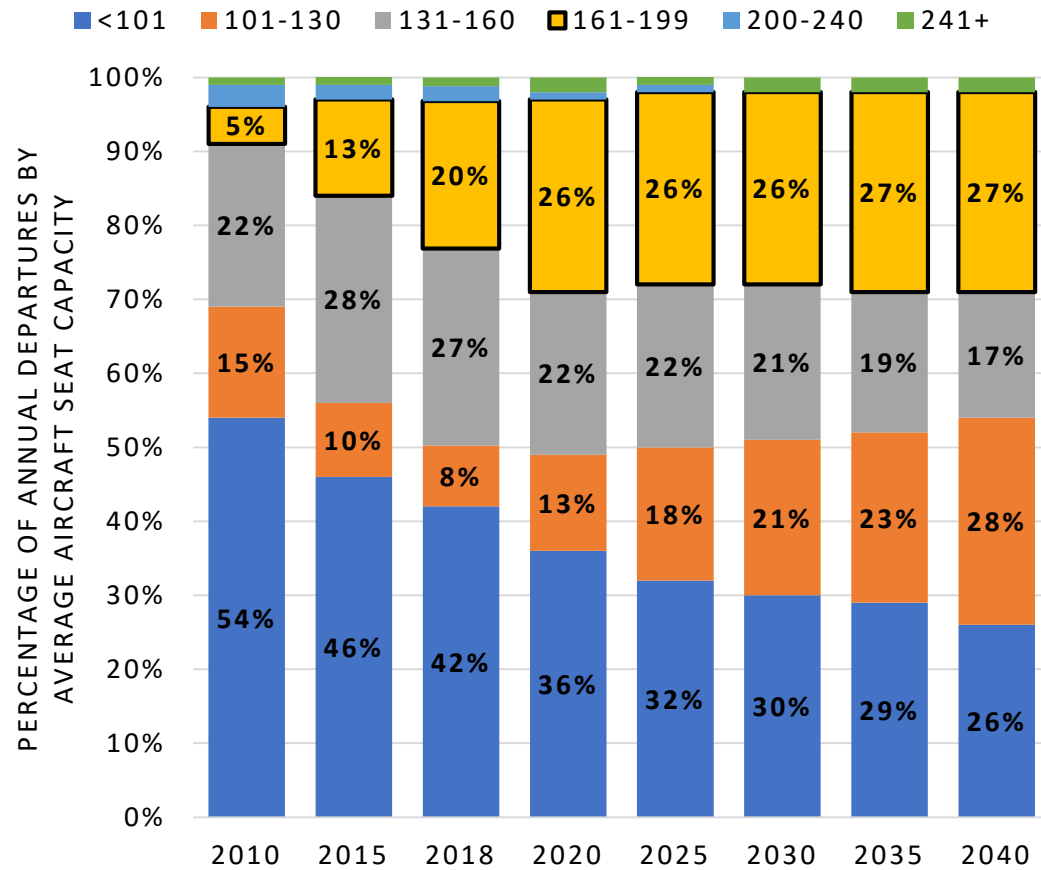
Future Fleet Mix



Future Fleet Mix



Future Fleet Mix



ITEM 9

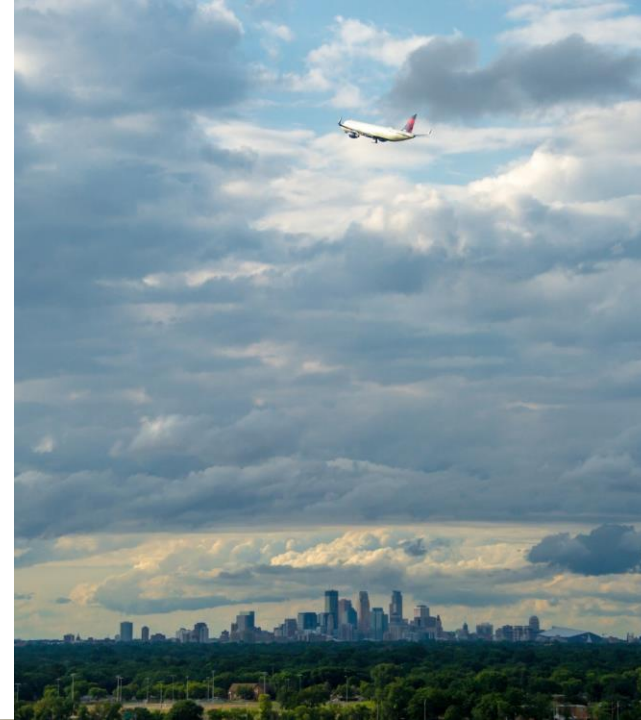
AIRLINE POLICIES AND PROCEDURES



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



Airline Policies and Procedures



Departure Altitudes
and Flight Paths



Noise Abatement
Procedure Training

A Day in the Life of an
Airline Pilot



ITEM 10

REVIEW OF THE SUMMER LISTENING SESSION



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



Summer Listening Session Update

- 20 residents from Edina and Richfield attended the Summer Listening Session
- The meeting was also attended by representatives from MAC Staff, FAA Staff, NOC Members Mary Brindle and Loren Olson, Edina City Manager Scott Neal and MAC Commissioner Katie Clark Sieben
- MAC staff opened with an introduction and presentation. Slides are available at: <http://www.macnoise.com/our-neighbors/msp-quarterly-listening-sessions>
- The open floor conversation focused on Runway 30L departures
 - Nighttime departures
 - DNL metric
 - MSP Long-Term Plan
 - Area Navigation (RNAV)
 - Delta fleet plan
 - Frequency of aircraft departures
 - MAC Remote Monitoring Tower (RMT) system

ITEM 11

2020 NOC WORK PLAN



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019



Draft 2020 NOC Work Plan

1. Residential Noise Mitigation Program
2. MSP Noise Program Specific Efforts
 - a) 2019 Actual Noise Contour Report and First Amendment to the Consent Decree Noise Mitigation Program Eligibility
 - b) MSP Fleet Mix and Nighttime Operations Assessment
 - c) Status of FAA Center of Excellence/ASCENT, TRB, and FICAN Research Initiatives
 - d) Update on Converging Runway Operations at MSP
 - e) Update on the MSP Long Term Plan Update and Associated Stakeholder Engagement
 - f) Update on the FAA's Survey to Re-Evaluate Noise Measurement Methods
 - g) Runway 30L and 30R Departure Study
 - h) Runway 12L and 12R Nighttime Balancing
3. Continue to Review Input Received from the Public Input Meetings as Possible Agenda Items

ITEM 12

ANNOUNCEMENTS

Fall Listening Session

Wednesday, October 23, 2019 @ 7:00 PM

MAC General Offices

Lindbergh Conference Room

November NOC Meeting

Wednesday, November 20, 2019 @ 6:30 PM

MAC General Offices

Lindbergh Conference Room

Experience MSP Fair & Forum

Wednesday, October 2, 2019, 4:00 – 8:00 PM

Mall of America Executive Center

Level 4 East



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 18, 2019

