



NOISE OVERSIGHT COMMITTEE

March 16, 2022

Audio recordings are made of this meeting

Agenda

1. Consent

1.1 – Approval of January 19, 2022 Meeting Minutes

1.2 – Reports

1.2.1 – Monthly Operations Reports: January and February 2022

2. Public Comment Period

3. Business

4. Information

4.1 – 2021 Annual Noise Contour Report and Residential Noise Mitigation Program Eligibility

4.2 – Update on MSP Long Term Plan & Associated Stakeholder Engagement

4.3 – Review of Winter Listening Session

5. Announcements

6. Adjourn



NOISE OVERSIGHT COMMITTEE
MARCH 16, 2022

MSP OPERATIONS

January 2022

February 2022

24,260

Operations

1,437

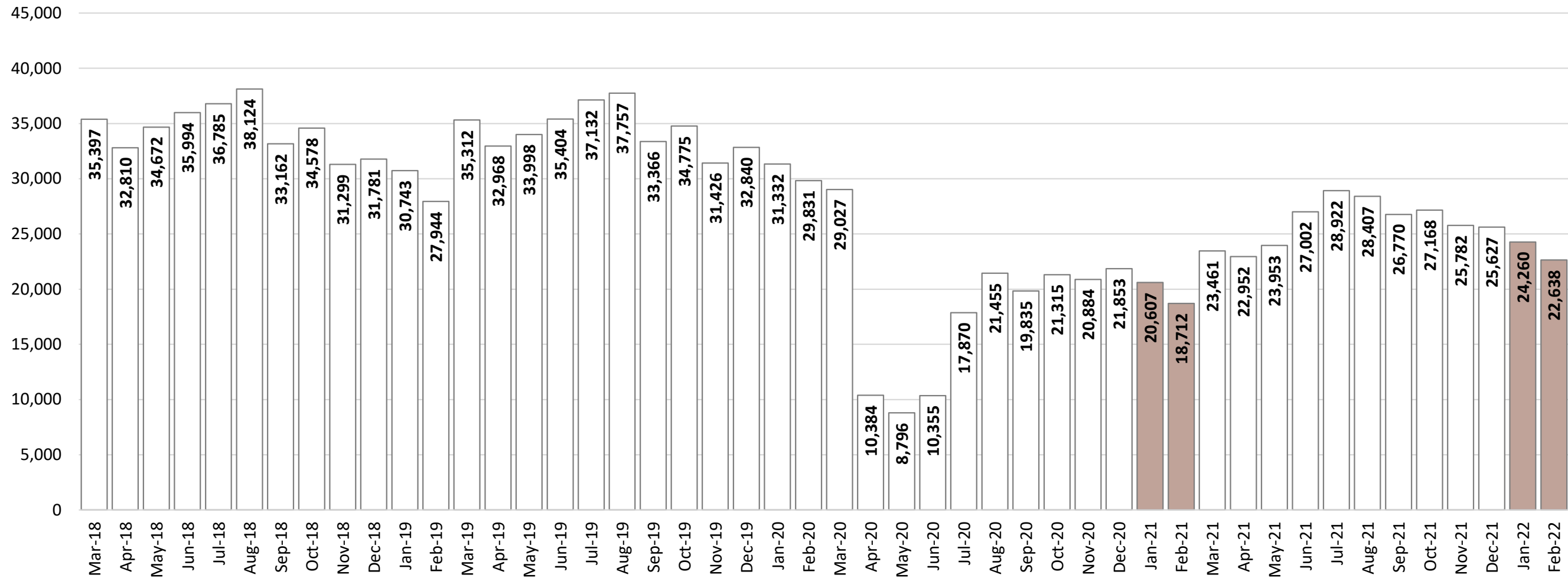
Nighttime Operations
(10:30 PM – 6:00 AM)

22,638

Operations

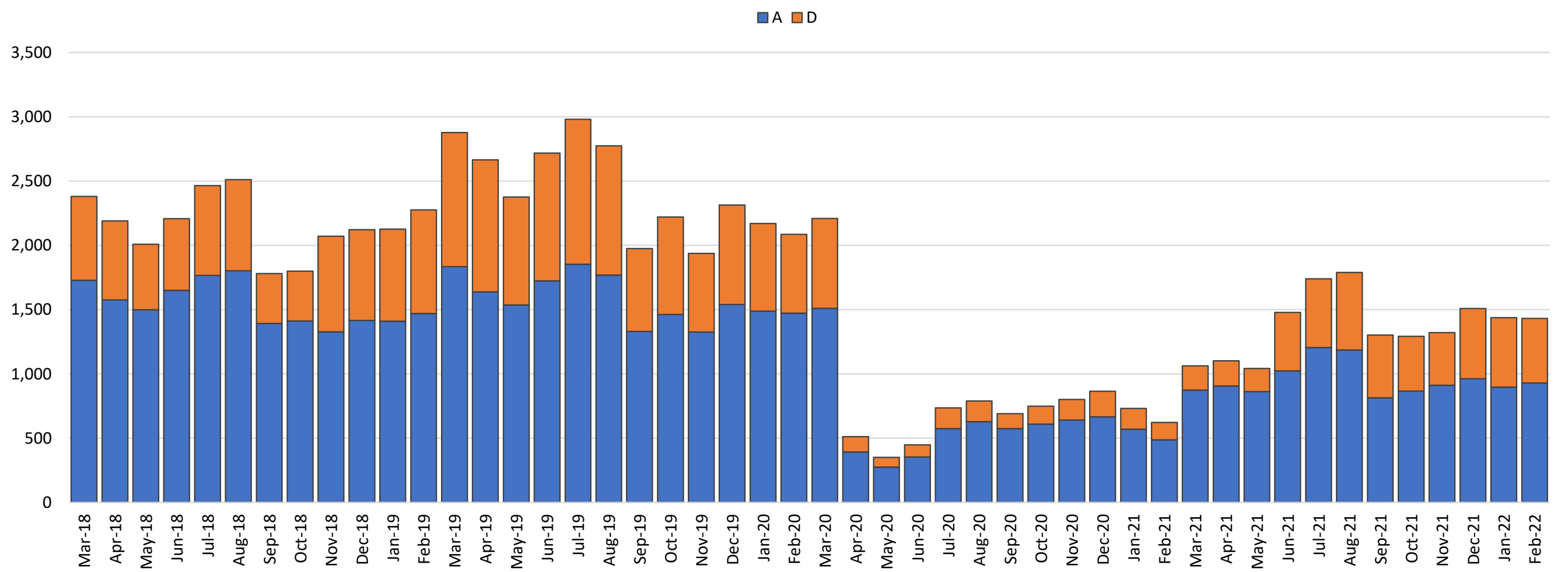
1,431

Nighttime Operations
(10:30 PM – 6:00 AM)



MSP OPERATIONS

January 2022		February 2022	
24,260	1,437	22,638	1,431
Operations	Nighttime Operations (10:30 PM – 6:00 AM)	Operations	Nighttime Operations (10:30 PM – 6:00 AM)



RUNWAY USE

JAN 2022

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
42%	42%	9%

FEB 2022

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
54%	28%	11%

2021 JAN – FEB

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
54%	35%	2%

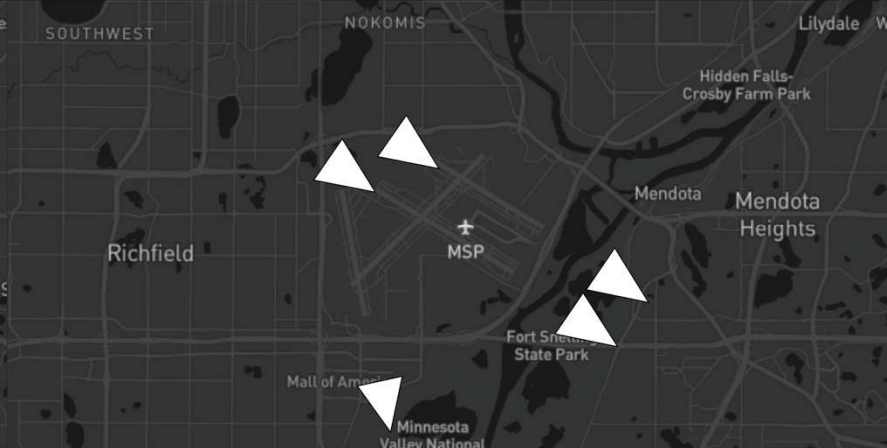
2022 JAN – FEB

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
48%	35%	10%

North Flow



South Flow



Mixed Flow



JAN – FEB RUNWAY USE

46,898
OPERATIONS IN JAN – FEB

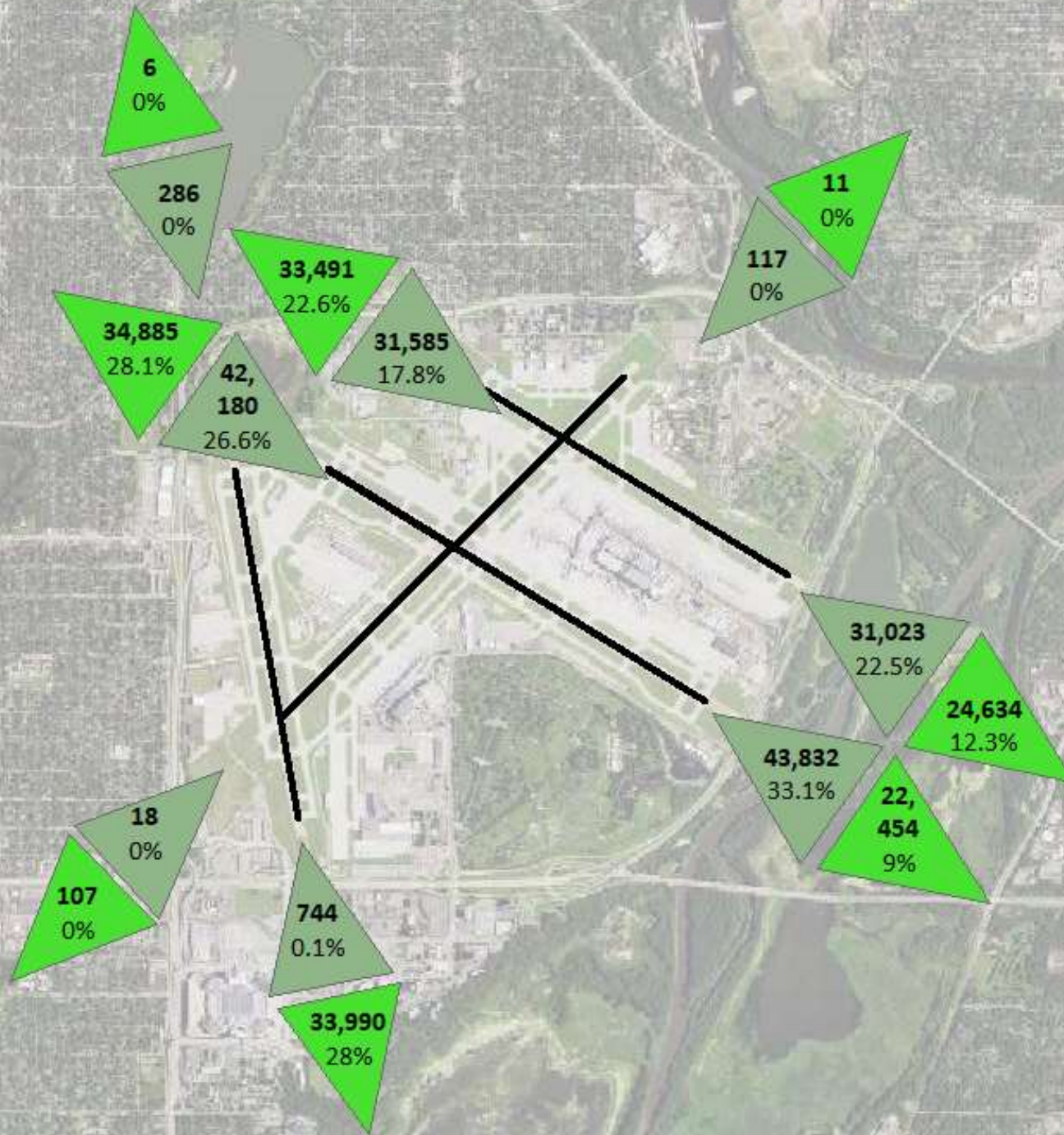
PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
40%	12%	0%	47%

25,710
ARRIVALS

PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
63%	0%	0%	37%

25,699
DEPARTURES

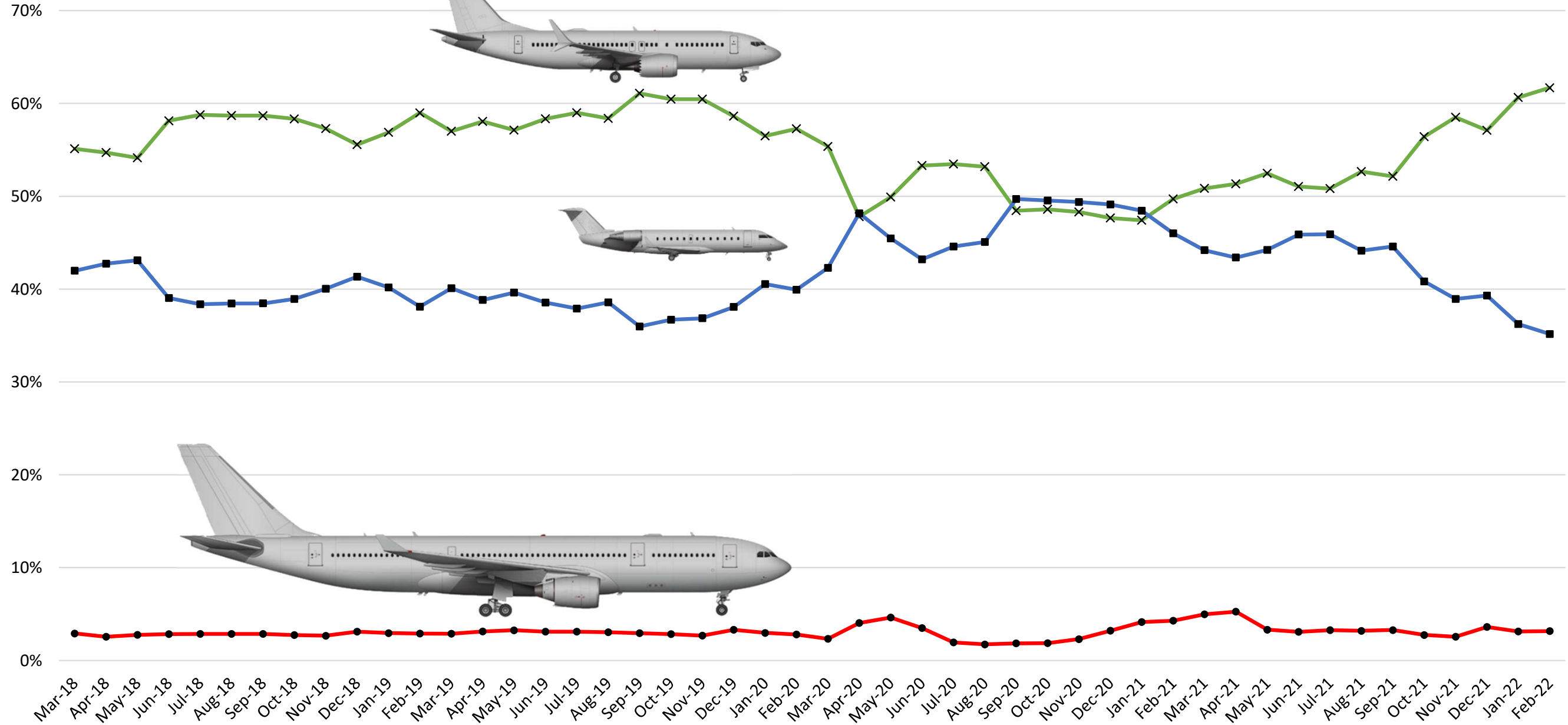
PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
18%	25%	0%	57%



MSP OPERATIONS

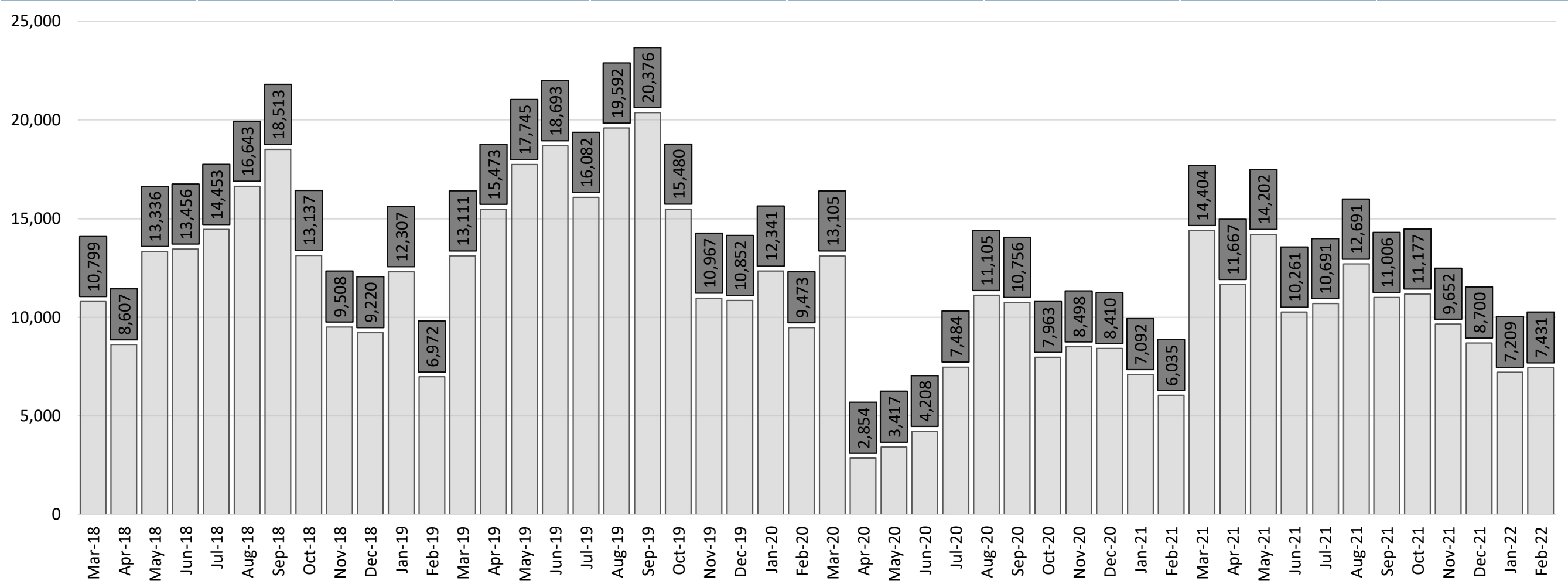
CARRIER JET FLEET MIX

—x— NARROWBODY —■— RJ —●— WIDEBODY



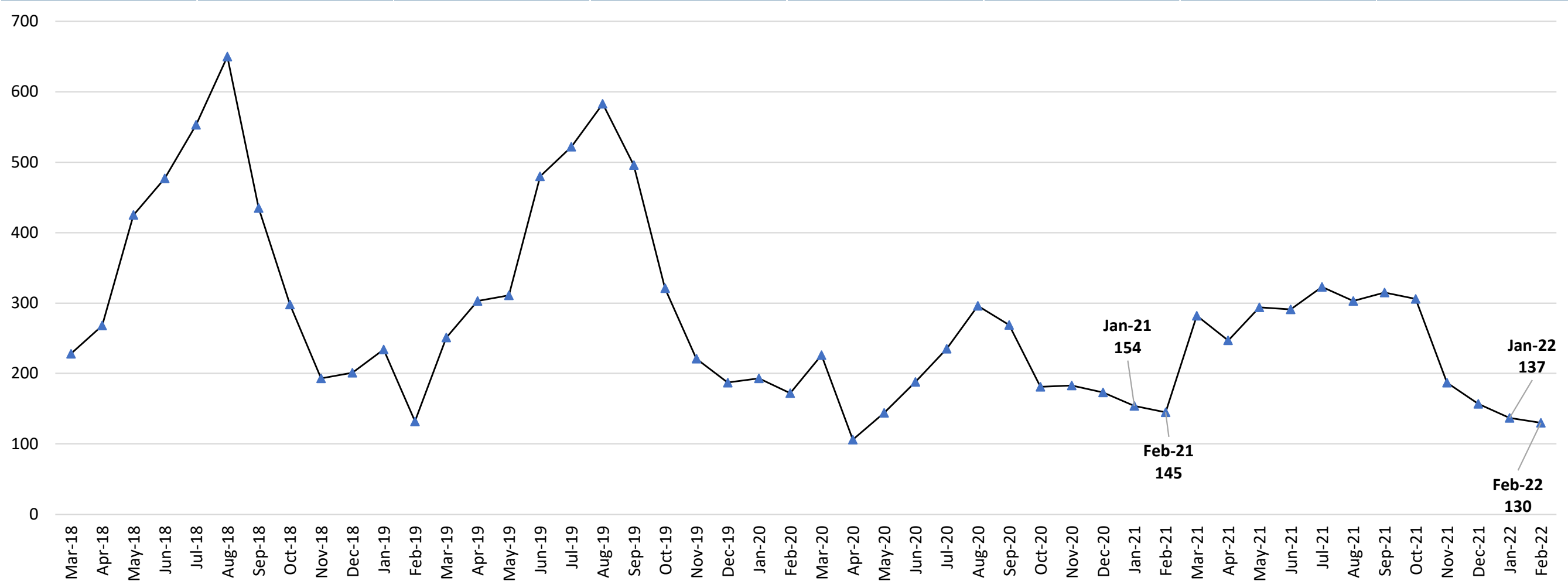
MSP COMPLAINTS

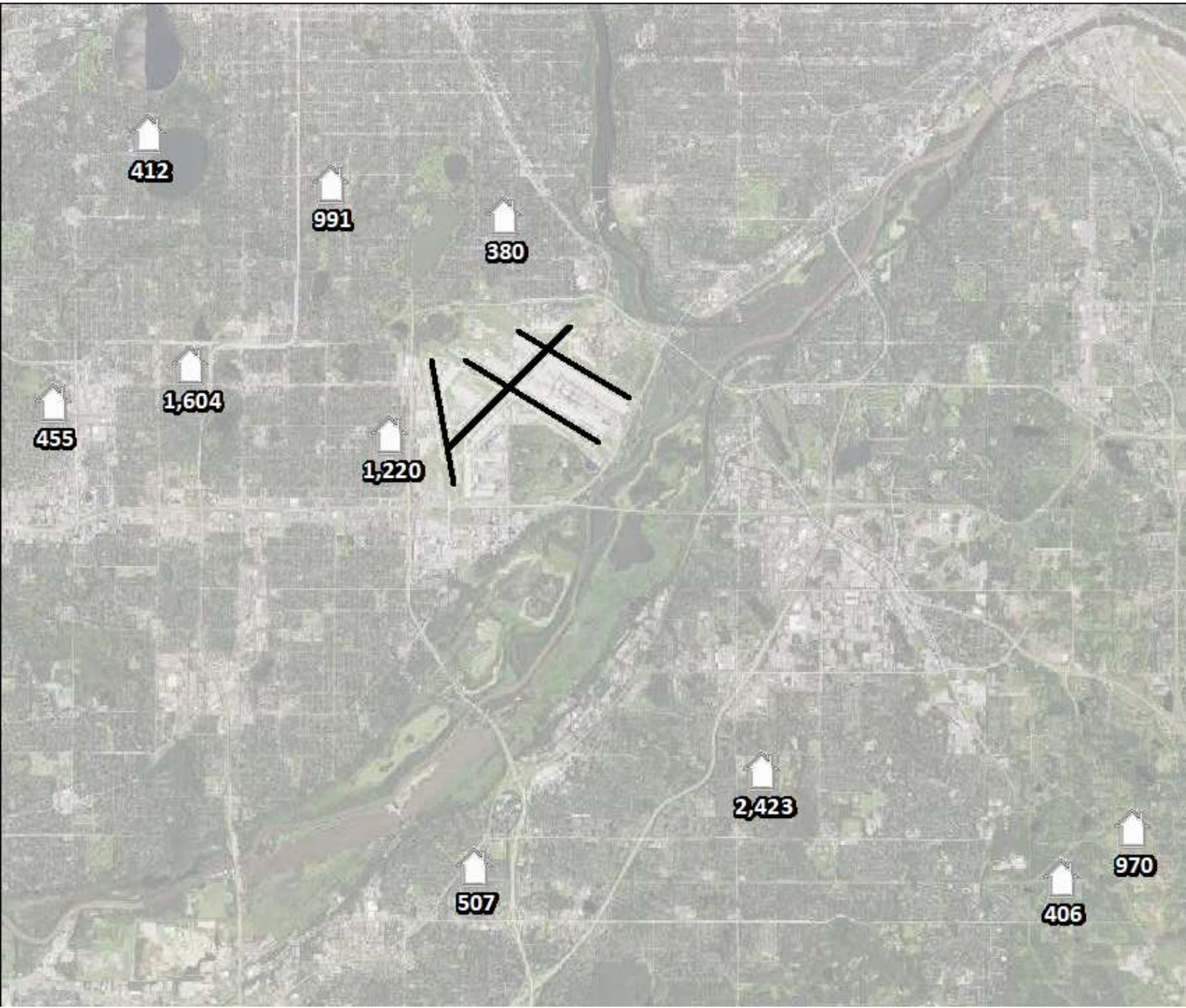
January 2022				February 2022			
COMPLAINTS		LOCATIONS		COMPLAINTS		LOCATIONS	
7,209		137		7,431		130	
Ops per Complaint	New Locations	Average	Median	Ops per Complaint	New Locations	Average	Median
3.4	9	53	5	3.0	8	57	7



MSP COMPLAINTS

January 2022				February 2022			
COMPLAINTS		LOCATIONS		COMPLAINTS		LOCATIONS	
7,209		137		7,431		130	
Ops per Complaint	New Locations	Average	Median	Ops per Complaint	New Locations	Average	Median
3.4	9	53	5	3.0	8	57	7





TOP 10 LOCATIONS

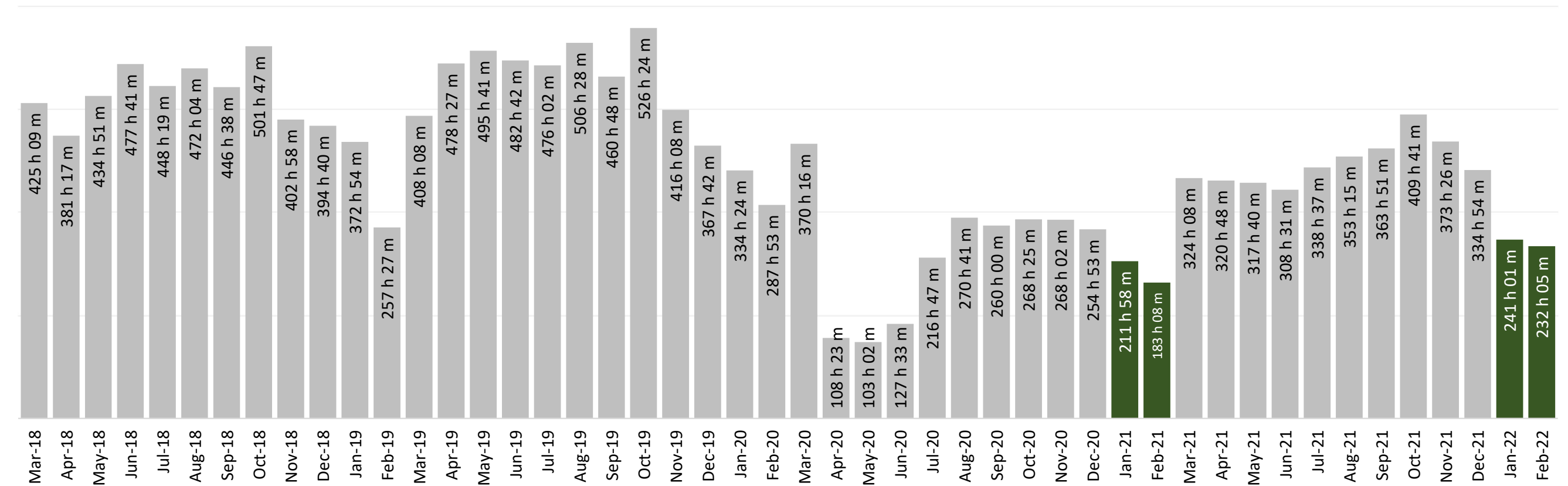
FILED
9,368
(64%)
COMPLAINTS DURING JAN & FEB

6 OF 10
LOCATIONS WERE IN THE TOP 10
FOR NOV – DEC DATA

109
(61%)
LOCATIONS FILED 10 OR LESS
COMPLAINTS

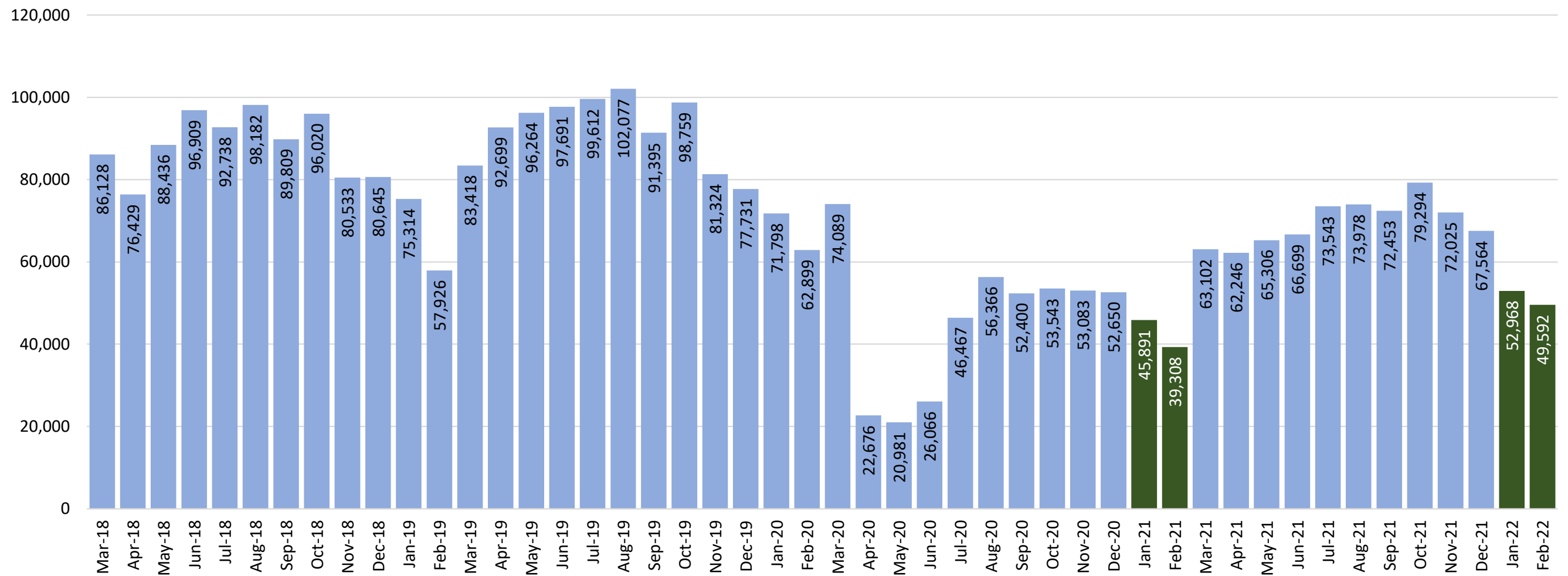
SOUND MONITORING

January 2022			February 2022		
Time Above	36 TA ⁶⁵ Per Operation	241 h 01 m TA ⁶⁵	Time Above	37 TA ⁶⁵ Per Operation	232 h 05 m TA ⁶⁵
Count Above	2.18 N ⁶⁵ Per Operation	52,968 N ⁶⁵	Count Above	2.19 N ⁶⁵ Per Operation	49,592 N ⁶⁵



SOUND MONITORING

January 2022			February 2022		
Time Above	36 TA ⁶⁵ Per Operation	241 h 01 m TA ⁶⁵	Time Above	37 TA ⁶⁵ Per Operation	232 h 05 m TA ⁶⁵
Count Above	2.18 N ⁶⁵ Per Operation	52,968 N ⁶⁵	Count Above	2.19 N ⁶⁵ Per Operation	49,592 N ⁶⁵



NOISE ABATEMENT

January 2022

Runway 17	99.3%
Corridor	90.8%
Cross Day	25.6%
Cross Night	45.9%

February 2022

Runway 17	99.2%
Corridor	90.2%
Cross Day	25.0%
Cross Night	42.5%

RUS

52.5%

Arrive - 55%

Depart - 50%

RUS

53.2%

Arrive - 72%

Depart - 35%

ITEM 2

PUBLIC COMMENT PERIOD



NOISE OVERSIGHT COMMITTEE
MARCH 16, 2022

ITEM 2

PUBLIC COMMENT PERIOD

Speaking at a Meeting

- Each speaker will have one opportunity to speak and is allotted three (3) minutes.
- When called upon to speak, speak clearly, 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
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4.1 – 2021 ANNUAL NOISE CONTOUR REPORT AND RESIDENTIAL NOISE MITIGATION PROGRAM ELIGIBILITY



NOISE OVERSIGHT COMMITTEE
MARCH 16, 2022

2021 Annual Contour Report



Minneapolis St. Paul International Airport (MSP) 2021 Annual Noise Contour Report

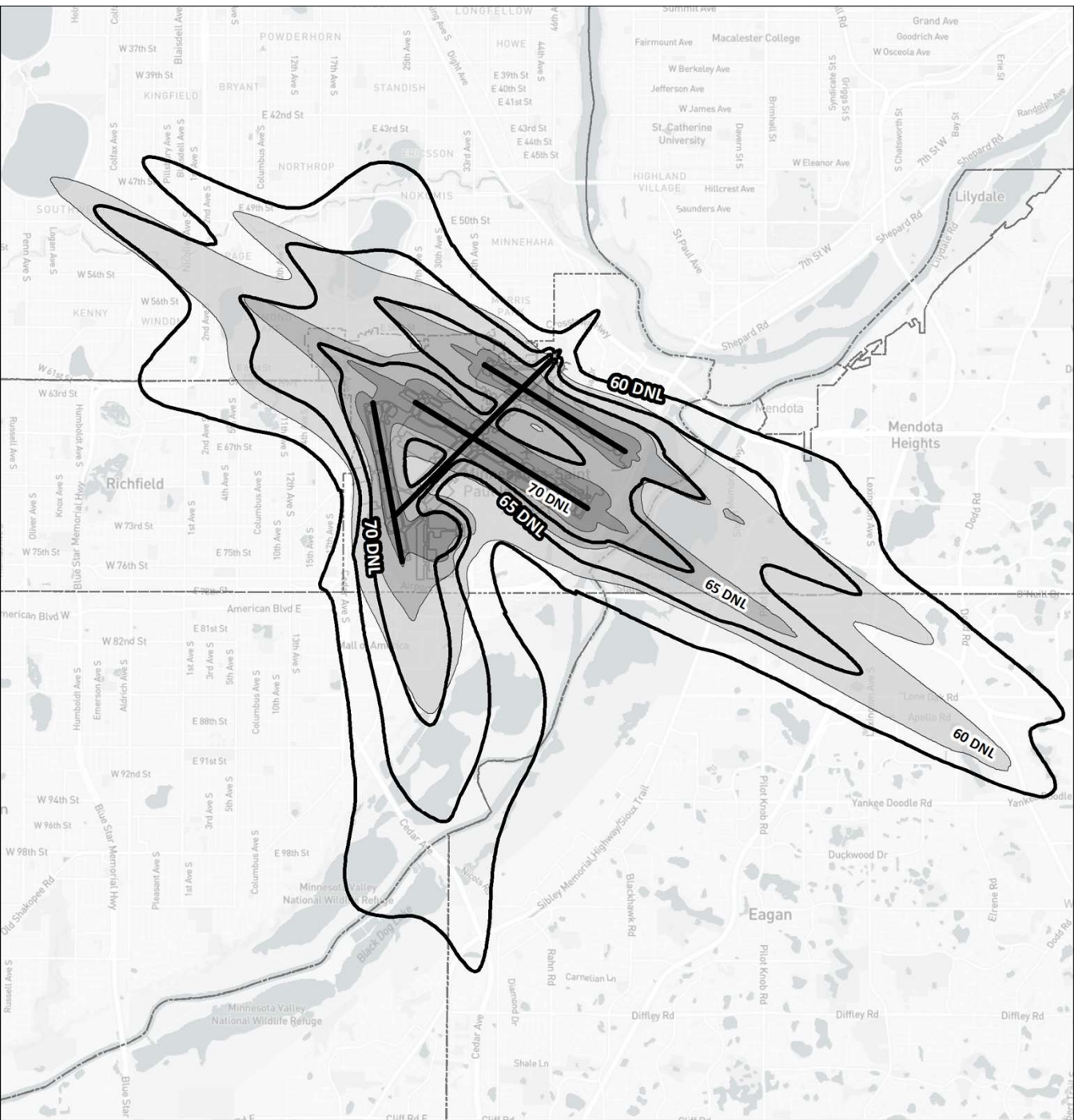
Comparison of the 2021 Actual and the 2007 Forecast Noise Contours
March 2022

MAC Community Relations Office and HNTB Corporation



MSP 2021 Annual Contour Report Overview

- The amended Consent Decree requires the MAC to prepare an annual noise contour analysis for MSP by March 1 of each year.
- The 2021 MSP Annual Noise Contour Report was developed in partnership with HNTB using the Aviation Environmental Design Tool (AEDT).
- On March 1st, the MAC published the 15th Annual Noise Contour Report consistent with the requirements in the Consent Decree.



2021 Actual Contour vs. 2007 Forecast Contour

Total Operations

- 2007 – 582,366 Annual Forecast Ops
- 2021 – 303,884 Annual Actual Ops

Nighttime Operations

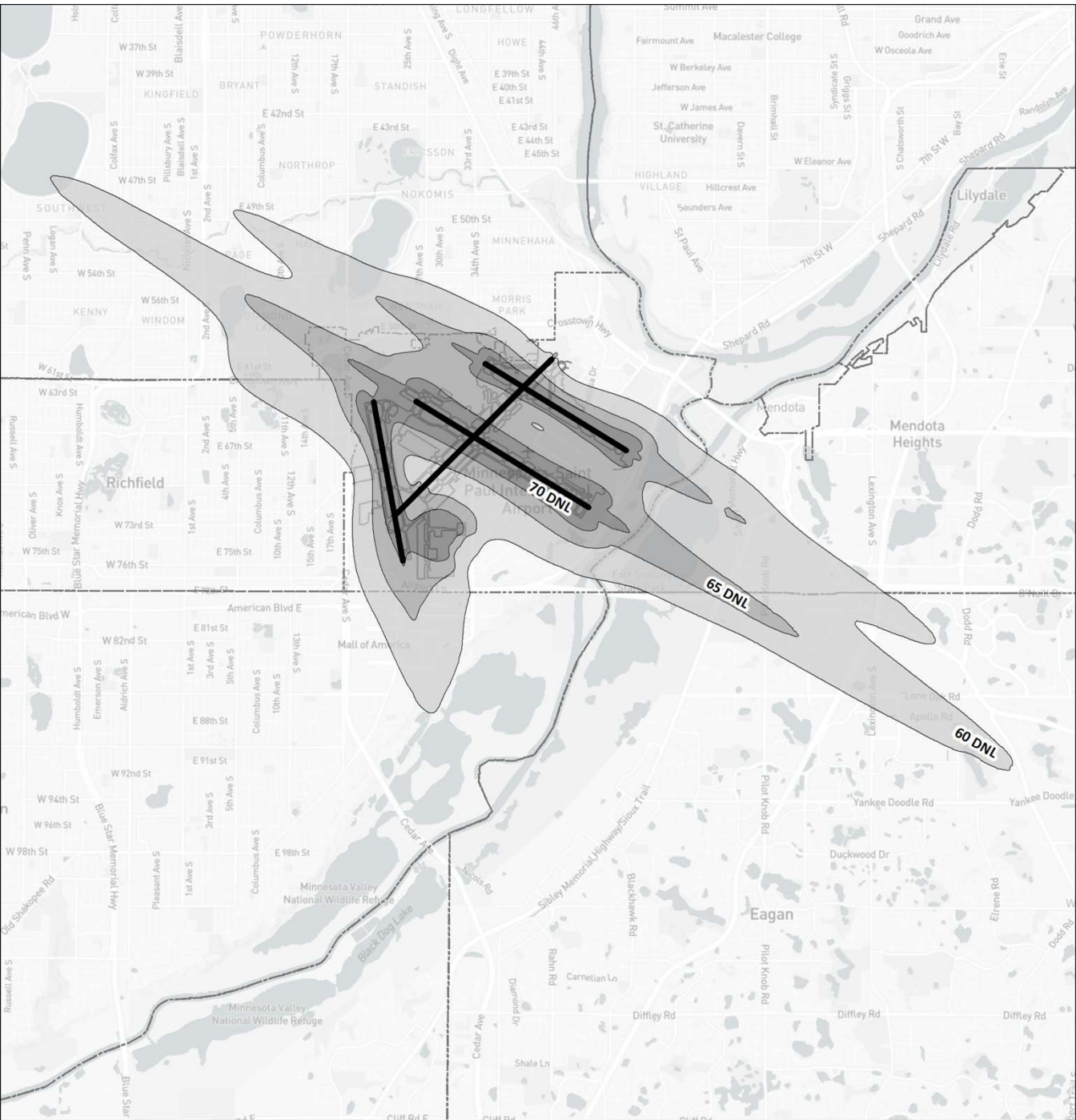
- 2007 – 123.3 Average Daily Ops
- 2021 – 84.1 Average Daily Ops

Hushkit Operations

- 2007 – 275.0 Average Daily Ops
- 2021 – 0.5 Average Daily Ops

2007 Forecast Noise Contour
 2021 Actual 65 DNL
 2021 Actual 60 DNL
 2021 Actual 70 DNL





2021 Actual Contour vs. 2020 Actual Contour

Total Operations

- 2020 – 244,877 Annual Ops
- 2021 – 303,884 Annual Ops

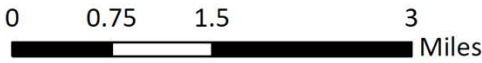
Nighttime Operations

- 2020 – 58.7 Average Daily Ops
- 2021 – 84.1 Average Daily Ops

Hushkit Operations

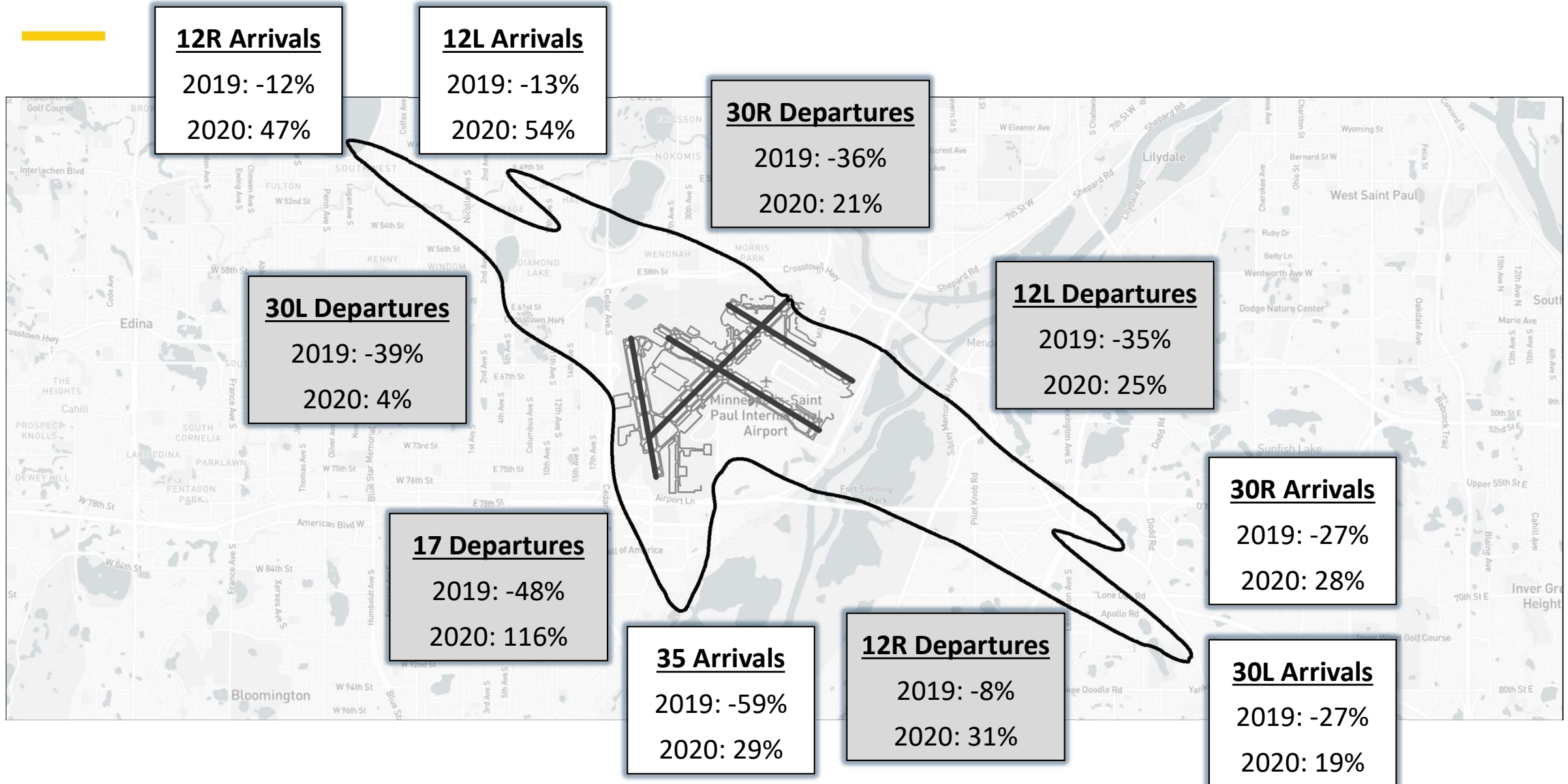
- 2020 – 0.1 Average Daily Ops
- 2021 – 0.5 Average Daily Ops

2021 Actual 60 DNL
 2021 Actual 70 DNL
 2021 Actual 65 DNL



2021 Total Operations Change

22:00-07:00 Operations multiplied by 10



2021 Actual Contour vs. 2020 Actual Contour vs. 2019 Actual Contour

Total Operations

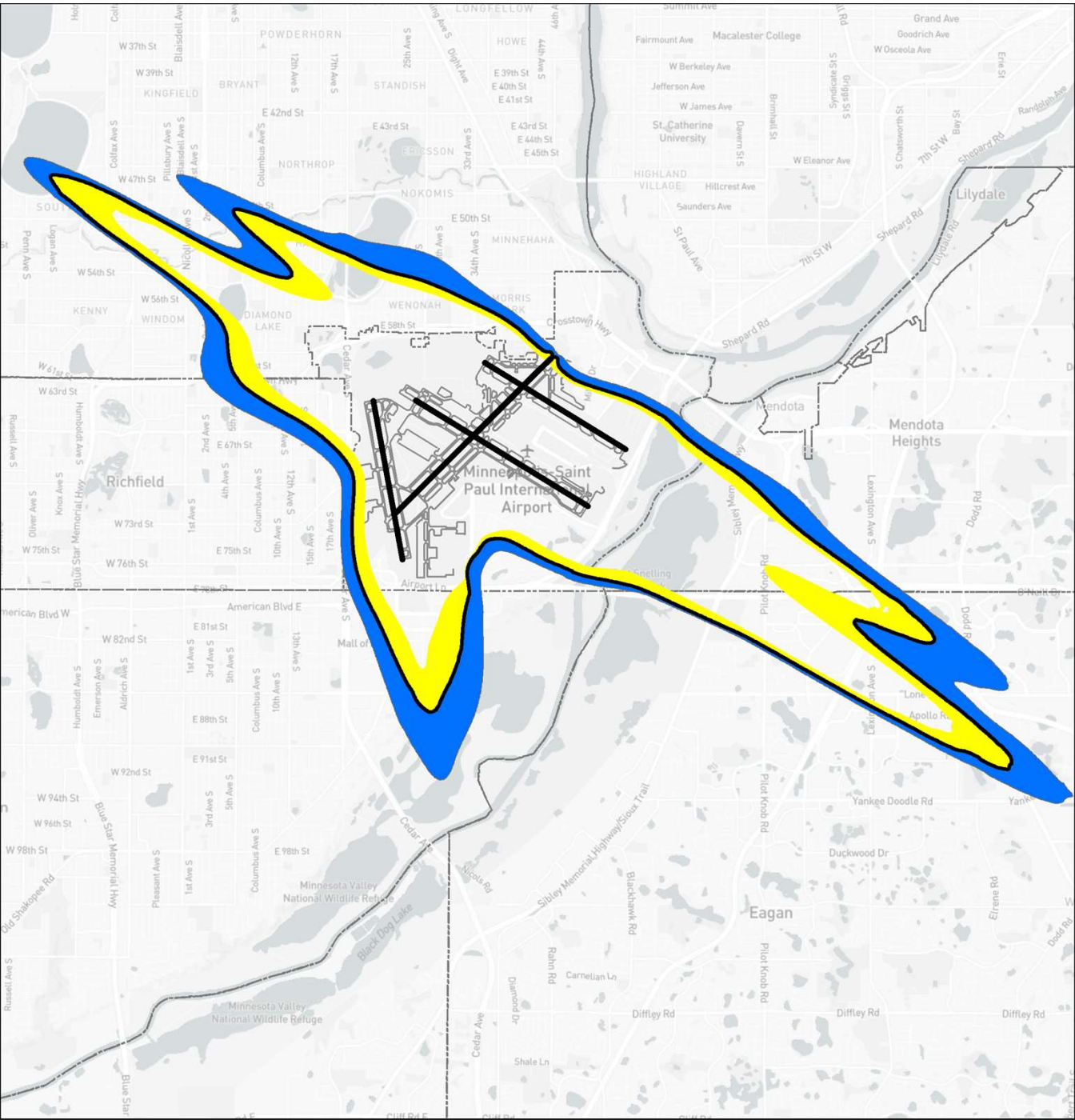
- 2019 – 406,073 Annual Ops
- 2020 – 244,877 Annual Ops
- 2021 – 303,884 Annual Ops

Nighttime Operations

- 2019 – 119.8 Average Daily Ops
- 2020 – 58.7 Average Daily Ops
- 2021 – 84.1 Average Daily Ops

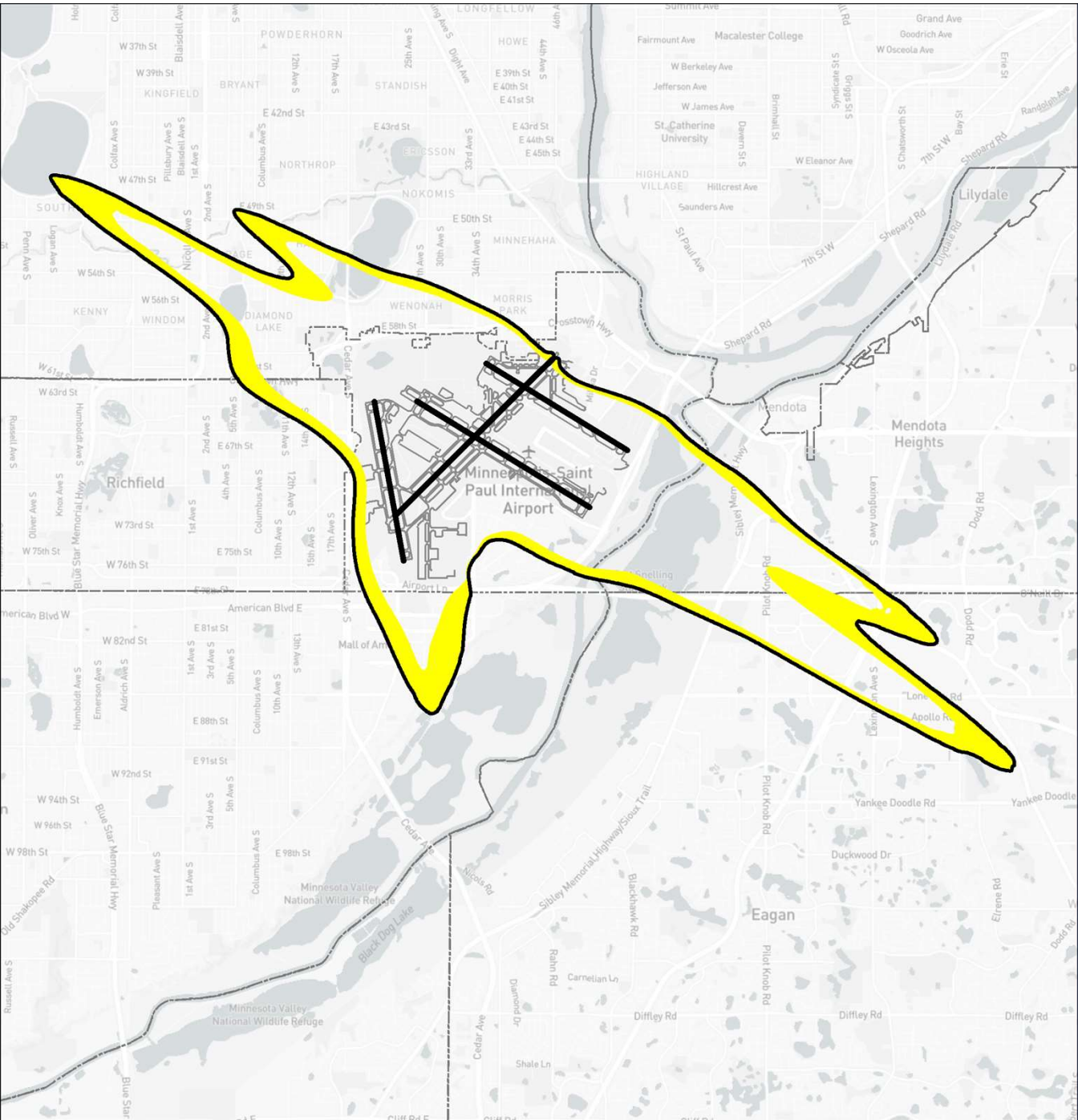
Hushkit Operations

- 2019 – 0.2 Average Daily Ops
- 2020 – 0.1 Average Daily Ops
- 2021 – 0.5 Average Daily Ops



2021 Actual 60 DNL
 Where the contour is smaller than 2019
 Where the contour is bigger than 2020





2021 Actual Contour vs. 2020 Actual Contour

65 dB DNL

60 dB DNL

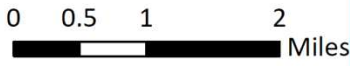
3,353 acres

8,572 acres

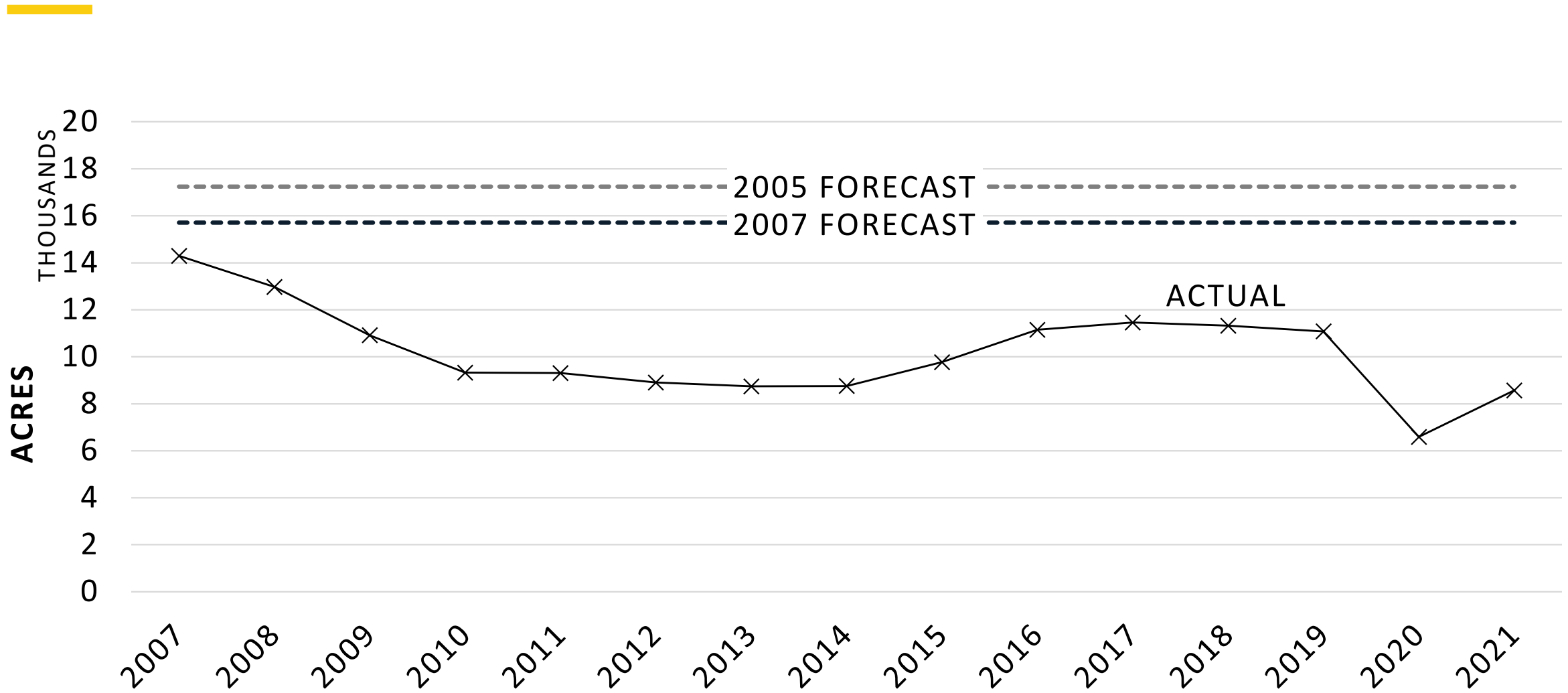
35% increase from 2020

30% increase from 2020

2021 Actual 60 DNL
 Where the contour is bigger than 2020



MSP Actual 60 dB DNL Contour Acreage



2017 – 2024 Program

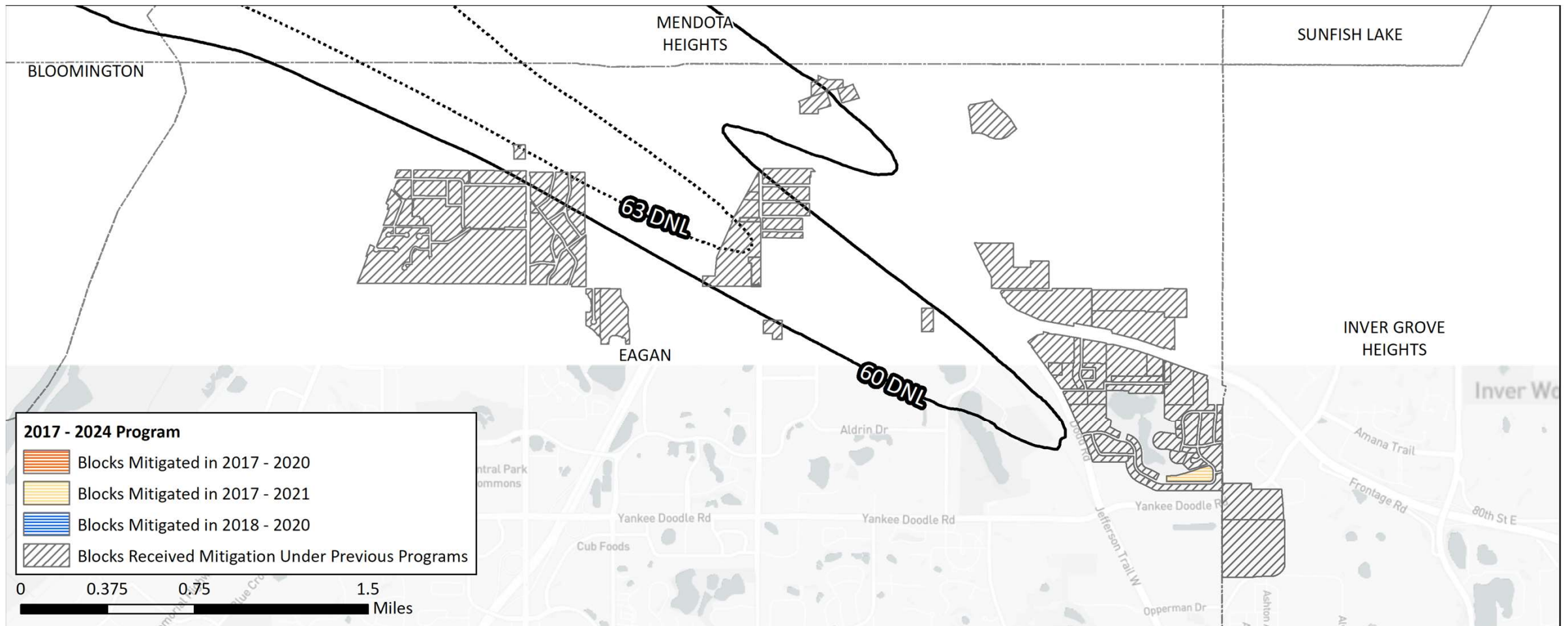
- ✈ Eligibility based on Actual Noise Contour
- ✈ A home will become eligible for residential noise mitigation if it
 - is located in the **60 dB DNL** contour for **3 consecutive years**
 - is located in a higher noise impact mitigation area than previous programs
 - achieves first year of eligibility no later than 2020
- ✈ Commits the MAC to provide noise mitigation until the year 2024



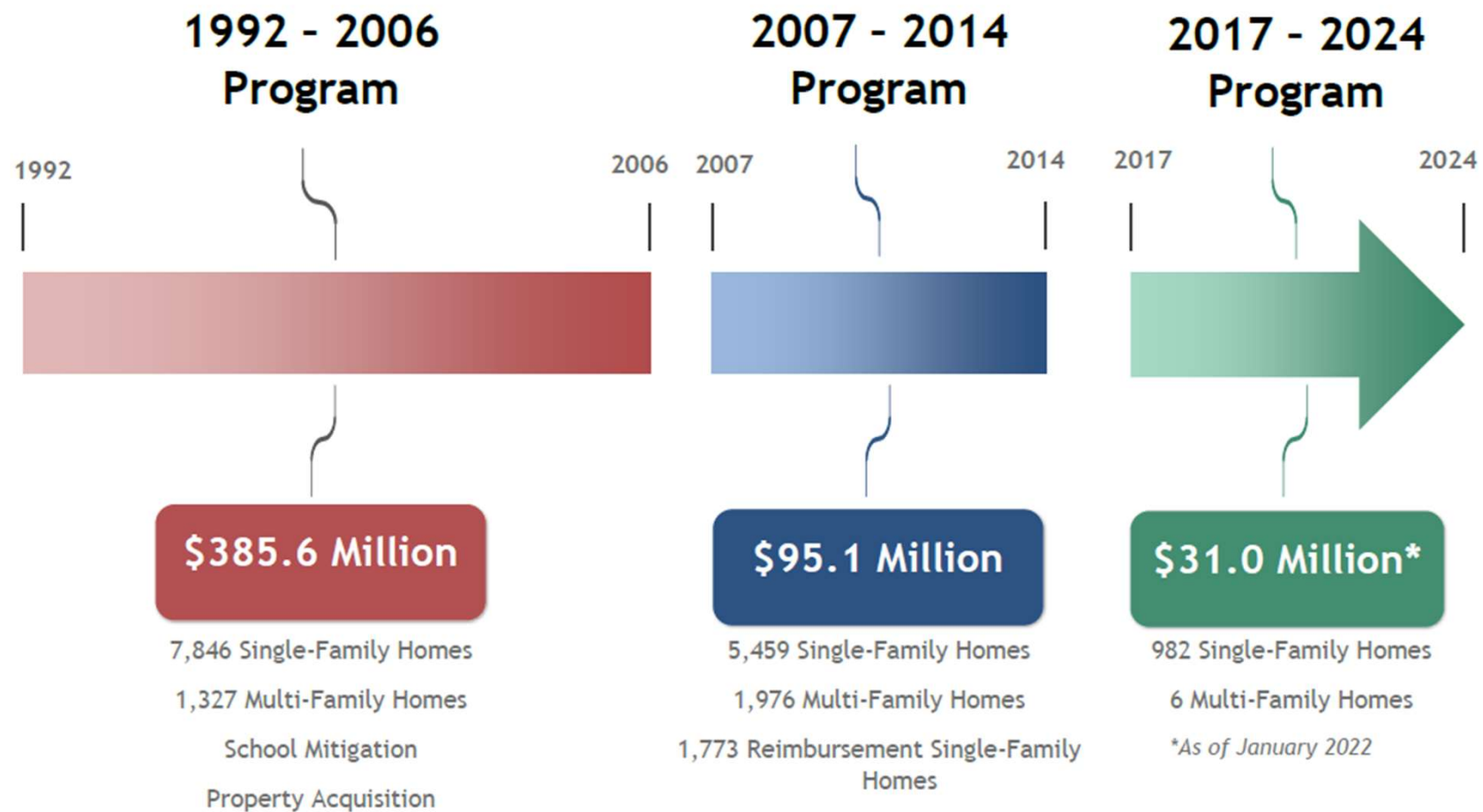
2021 Actual Contour

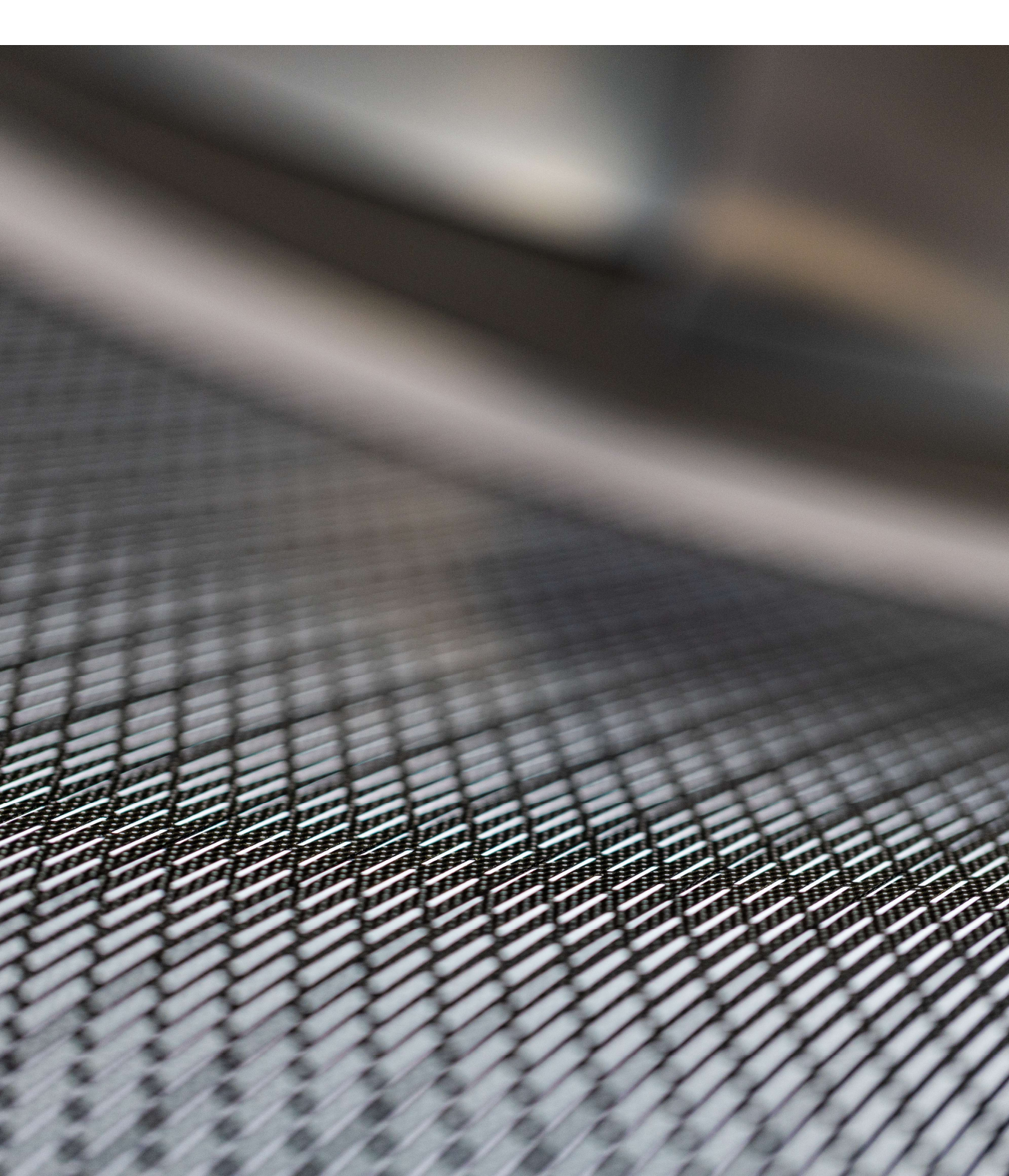


2021 Actual Contour



MAC MSP Mitigation Program History





MSP 2021 Annual Noise Contour Report

- The full report is available at:
 - [https://metroairports.org/MSP 2021 Noise Contour](https://metroairports.org/MSP_2021_Noise_Contour)
- Address Eligibility List (2017 – 2021) available at:
 - <https://metroairports.org/do-i-qualify>
- Mitigation Map available at:
 - <https://customers.macnoms.com/mitigation/>

4.2 – UPDATE ON MSP LONG TERM PLAN AND ASSOCIATED STAKEHOLDER ENGAGEMENT



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MSP Airport Planning Update



- The MSP Long Term Plan process began in 2019
- Inventory of MSP as well as Aviation Forecasts were completed before a COVID pause
- Aviation forecasts were updated with actual 2020 numbers and a post-pandemic recovery period
- Consultants have been reengaged for remaining tasks
- Process should be complete by the end of 2022

Planning Areas of Focus

Baseline Existing Facilities

- Inventory and document existing facilities and aviation activity levels to establish baseline conditions

Forecasts

- Forecast MSP aviation activity levels (passengers, cargo, and aircraft operations) for the milestone years between 2020 and 2040

Facility Requirements (Gap Analysis)

- Determine any facility deficiency gaps between the baseline condition and desired future conditions based on forecasted activity levels

Development Concepts

- Develop and evaluate alternative means to remedy facility deficiencies identified through the process

Proposed Development

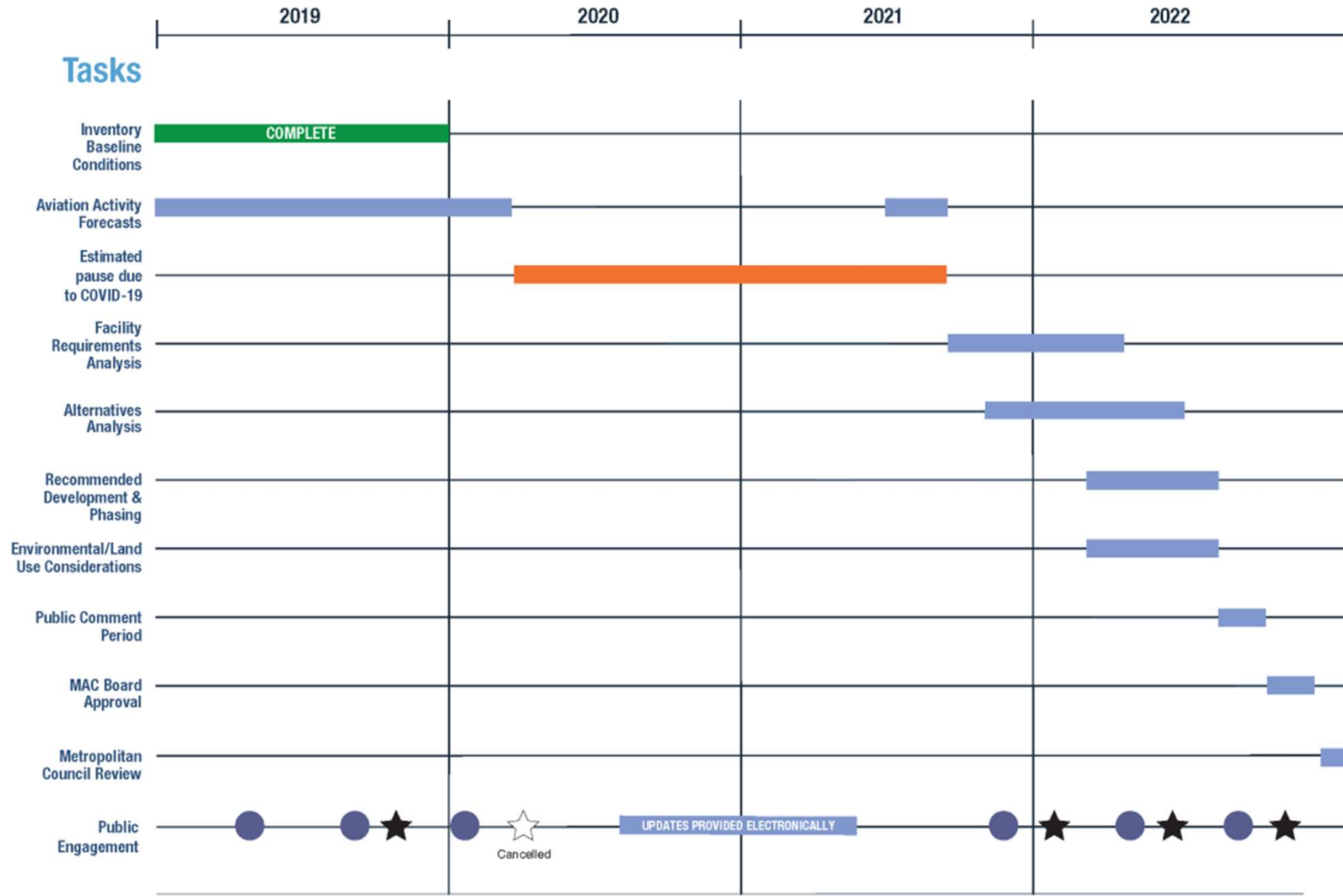
- Determine a proposed development program, funding plan, and implementation strategy to present to the community and the MAC board

Environmental Considerations

- Prepare an overview of factors that should be considered when determining the appropriate level of environmental review needed to implement the plan

MSP Airport Long-Term Plan

Timeline + Stakeholder Engagement



Updated: October 2021

Notes: Timeline is subject to change. Tasks after the COVID-19 pause are estimations.

- Stakeholder Advisory Panel Meeting
- ★ Public Event

Stakeholder Engagement Program Approach

- Stakeholder Advisory Panel
- Project Milestone Events
- Project Website | mspairport.com/long-term-plan
- Project E-Newsletters
- Updates at NOC and MAC's PD&E Committee
- Additional Public Presentations Upon Request



MSP Long Term Plan Virtual Engagement

EXPERIENCEmsp™



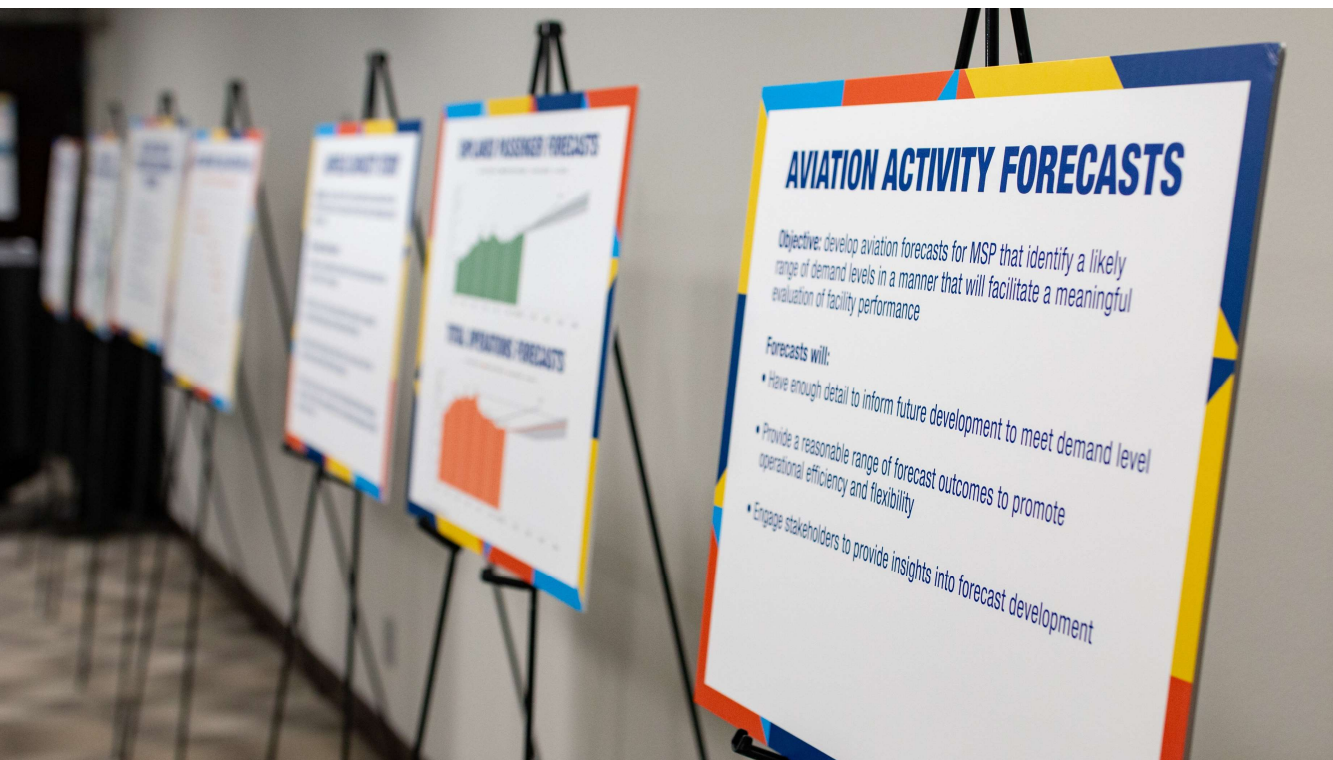
A series of pre-recorded video presentations posted on project website

1. Introduction and Welcome | MAC
2. MSP Airport Long-Term Plan Update | MAC
3. Existing Conditions – Landside | Kimley Horn
4. Airfield Capacity Study | HNTB
5. Updated Activity Forecasts | Ricondo

Virtual public meeting held via Teams where presenters can answer questions about the video presentations and LTP

Promotion

EXPERIENCEmsp™



Using a variety of channels, we will direct people to the project website to watch the videos and encourage viewers to submit questions in advance of the virtual public meeting

- Post cards sent to residential addresses around MSP
- Electronic Newsletters (MAC, MSP, LTP)
- Local Community Channels
- Share with Stakeholder Advisory Panel
- Project Website
- Metroairports.org Event
- Print Ads
- Social Media

Virtual Public Meeting

EXPERIENCEmsp™

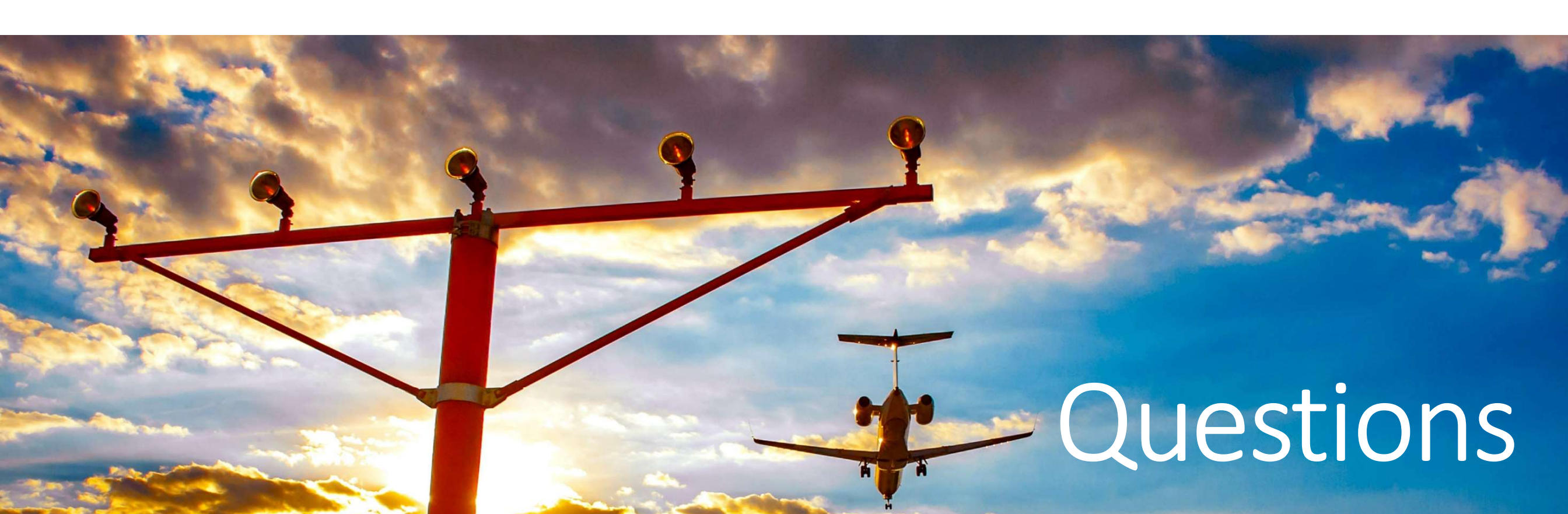


April 12, 2022

4:30-6:00 PM

Microsoft Teams

- Virtual Open House (come and go as you please)
- No prepared presentation
- Those who presented + MAC engagement staff will be available for questions
- Participation guidelines similar to NOC meetings
 - Submit questions in advance, ask via chat, periodically open to callers



Questions

EXPERIENCEmsp™



4.3 – REVIEW OF WINTER LISTENING SESSION



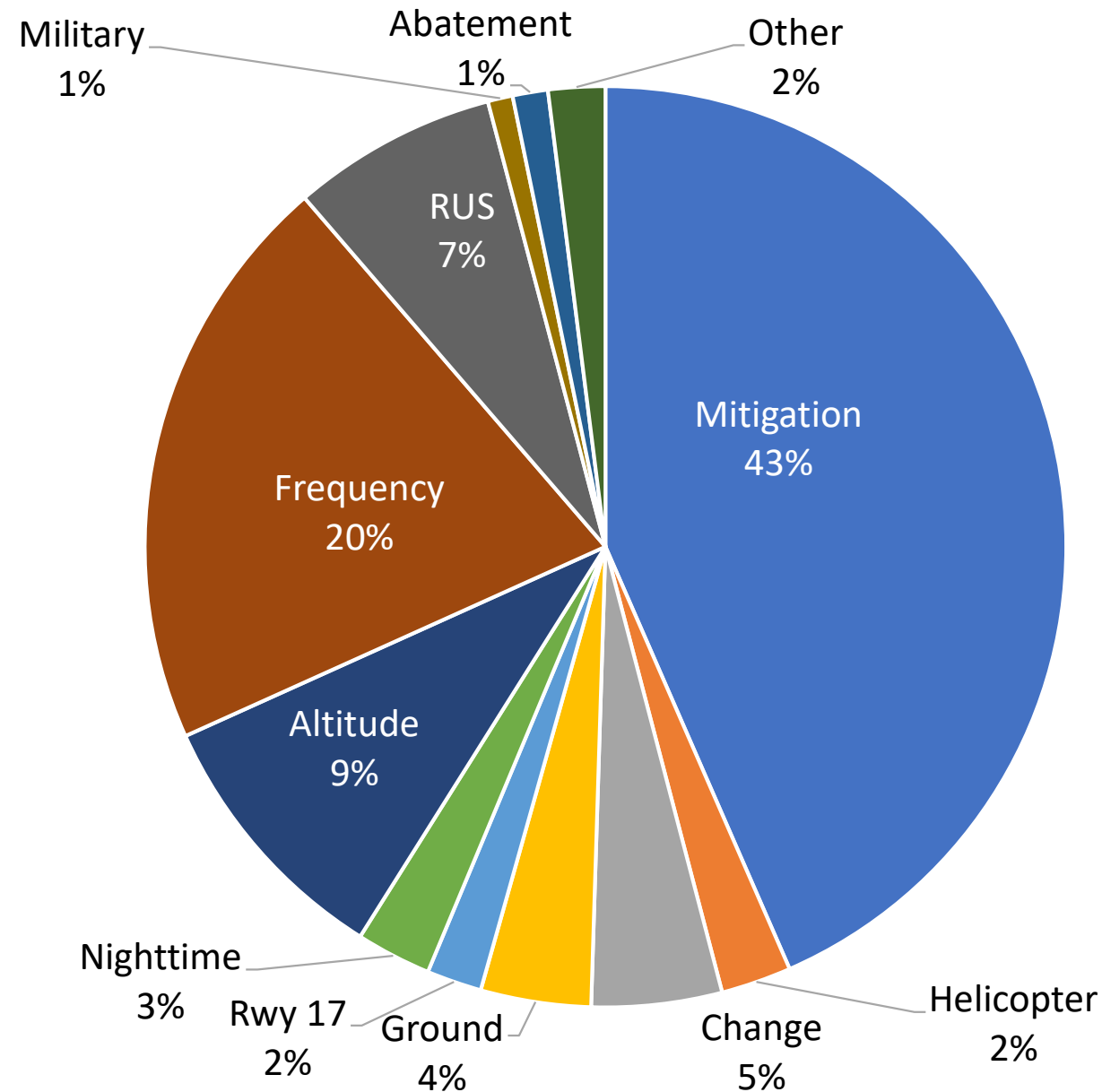
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Winter Listening Session

- January 26, 2022, 6pm
- Virtual Session via Teams
- Meeting Attendees
 - One resident from Minneapolis
 - One resident from Saint Paul
 - One international party
 - FAA staff
 - NOC representatives Jeff Hart, Emily Koski (and staff Melissa Hill), Loren Olsen, John Bergmann, John Klinger, Kevin Gallatin, and Ryan Krzos
 - MAC staff and MAC Commissioner Yodit Bizen



Winter Listening Session - Presentation



Winter Listening Session – Topics Discussed

- Mitigation information about a previously mitigated home.
- Mitigation program and airport operation information.
- Ground noise disturbance in Saint Paul.

ITEM 5

ANNOUNCEMENTS

Spring Listening Session

Wednesday, April 27, 2022 @ 6 PM

South Metro Public Safety Training Facility

7525 Braemer Blvd, Edina

May NOC Meeting

Wednesday, May 18, 2022 @ 1:30 PM

Location: TBD



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