



NOISE OVERSIGHT COMMITTEE

July 15, 2020

Audio recordings are made of this meeting

AGENDA

1. Consent

1.1. Approval of May 20, 2020 Meeting Minutes

1.2. Reports

1.2.1. Monthly Operations Reports: May and June 2020

1.2.2. Status of Aviation Noise, Environment, and Health-Related Research Initiatives

2. Public Comment Period

3. Business

3.1 Flight Procedure Change Request Guidelines

4. Information

4.1 Guest Speaker: MAC/MSP Update Brian Ryks, MAC Executive Director/CEO

4.2 Runways 30L and 30R Departure Operations Report

5. Announcements

6. Adjourn



NOISE OVERSIGHT COMMITTEE
JULY 15, 2020

ITEM 1

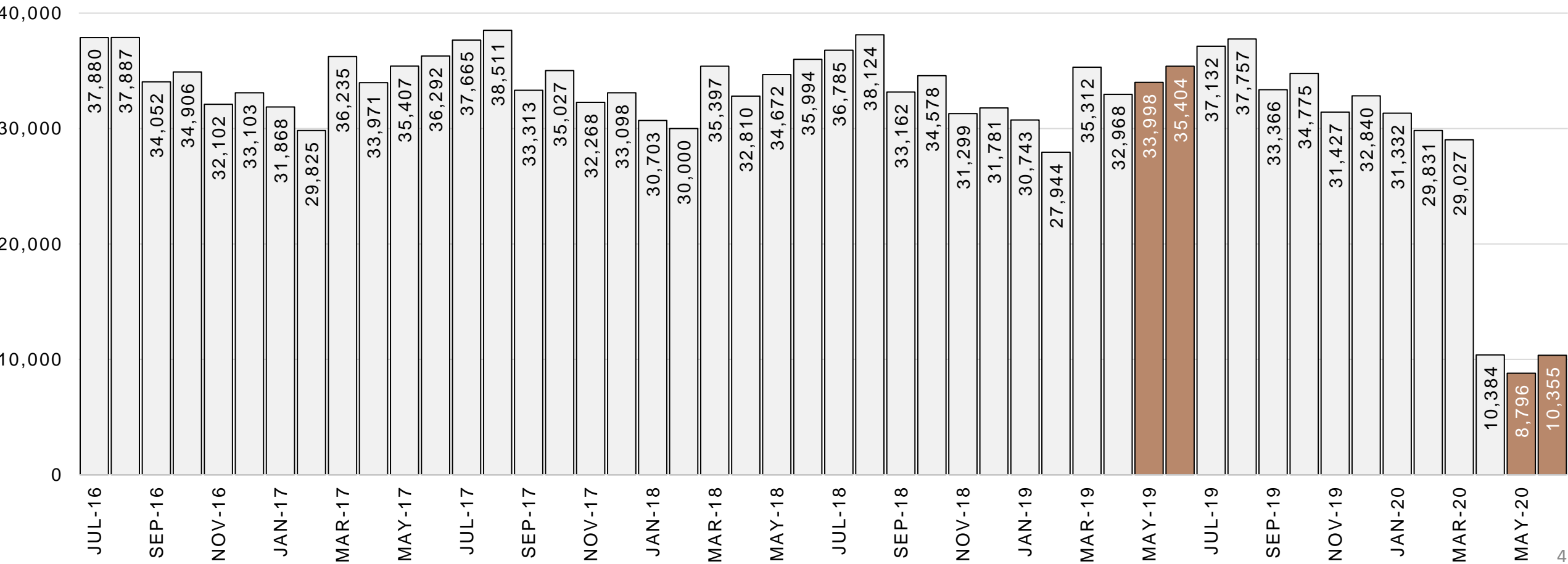
1.2.1 MONTHLY OPERATIONS REPORTS: MAY AND JUNE 2020



NOISE OVERSIGHT COMMITTEE
JULY 15, 2020

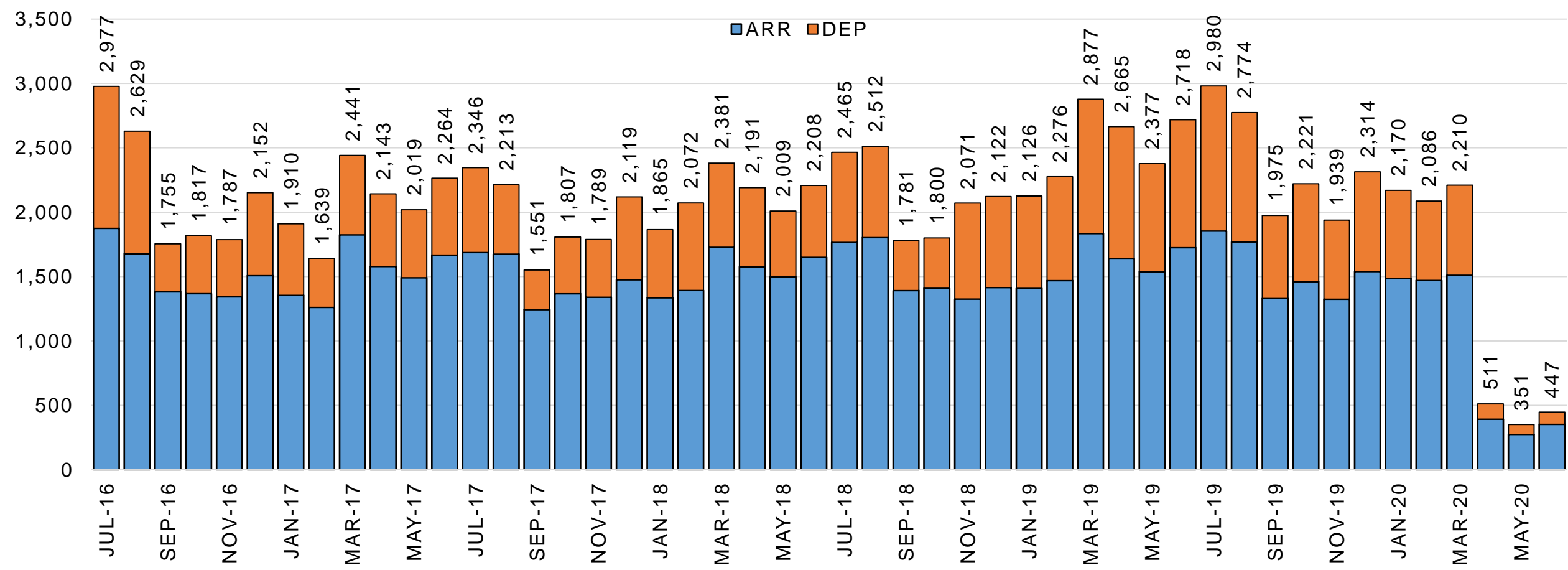
MSP OPERATIONS

May 2020		June 2020	
8,796	351	10,355	447
Operations	Nighttime Operations (10:30 PM – 6:00 AM)	Operations	Nighttime Operations (10:30 PM – 6:00 AM)



MSP OPERATIONS

MAY 2020		JUNE 2020	
8,796	351	10,355	447
Operations	Nighttime Operations (10:30 PM – 6:00 AM)	Operations	Nighttime Operations (10:30 PM – 6:00 AM)



RUNWAY USE

MAY 2020		
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
40%	46%	3%

JUNE 2020		
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
37%	55%	2%

2019 JAN – JUNE		
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
37%	44%	12%

2020 JAN – JUNE		
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
42%	43%	7%

North Flow



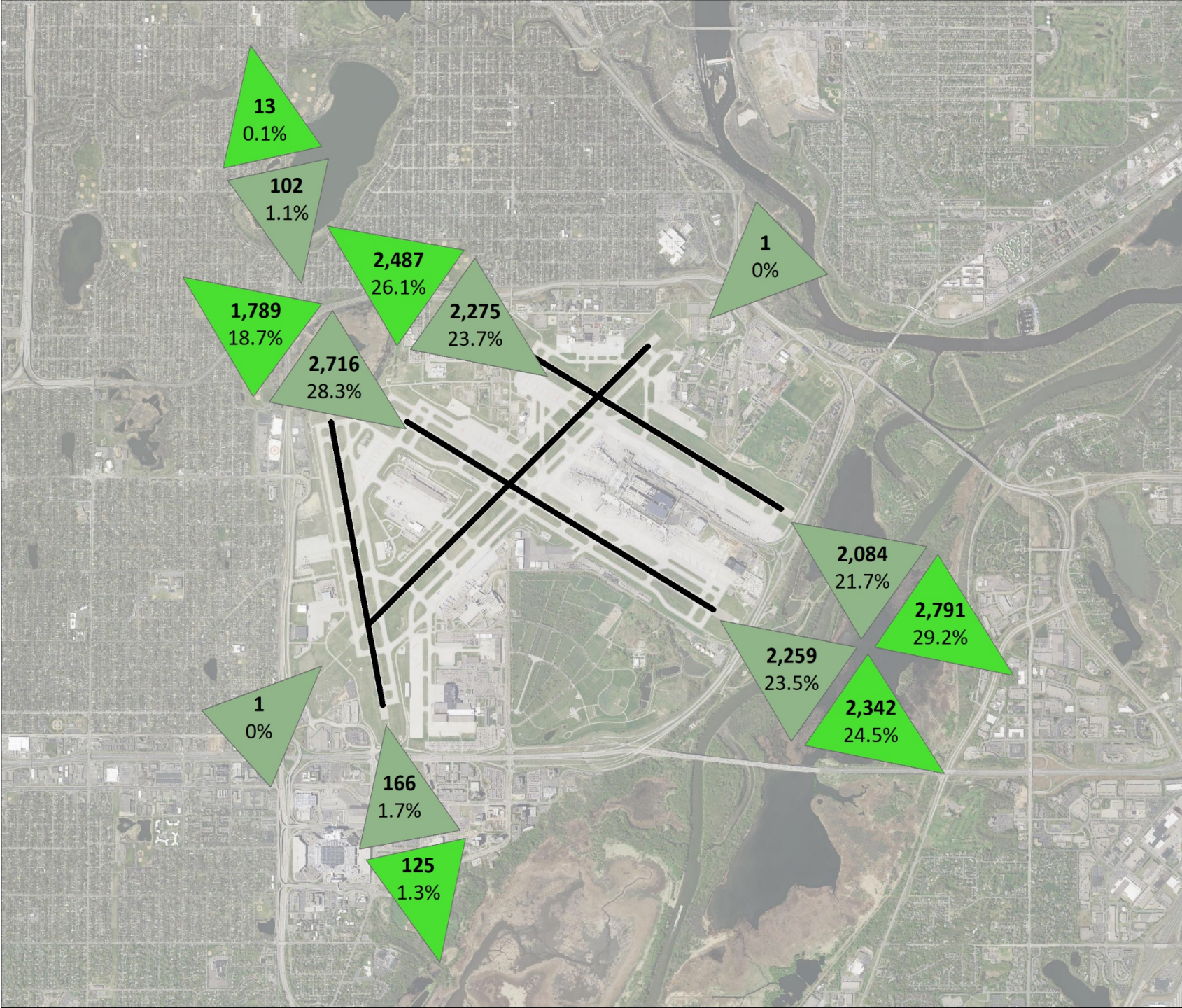
South Flow



Mixed Flow



MAY – JUNE RUNWAY USE



19,151
OPERATIONS IN MAY – JUNE

PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
49.7%	1.5%	0%	48.6%

9,604
ARRIVALS

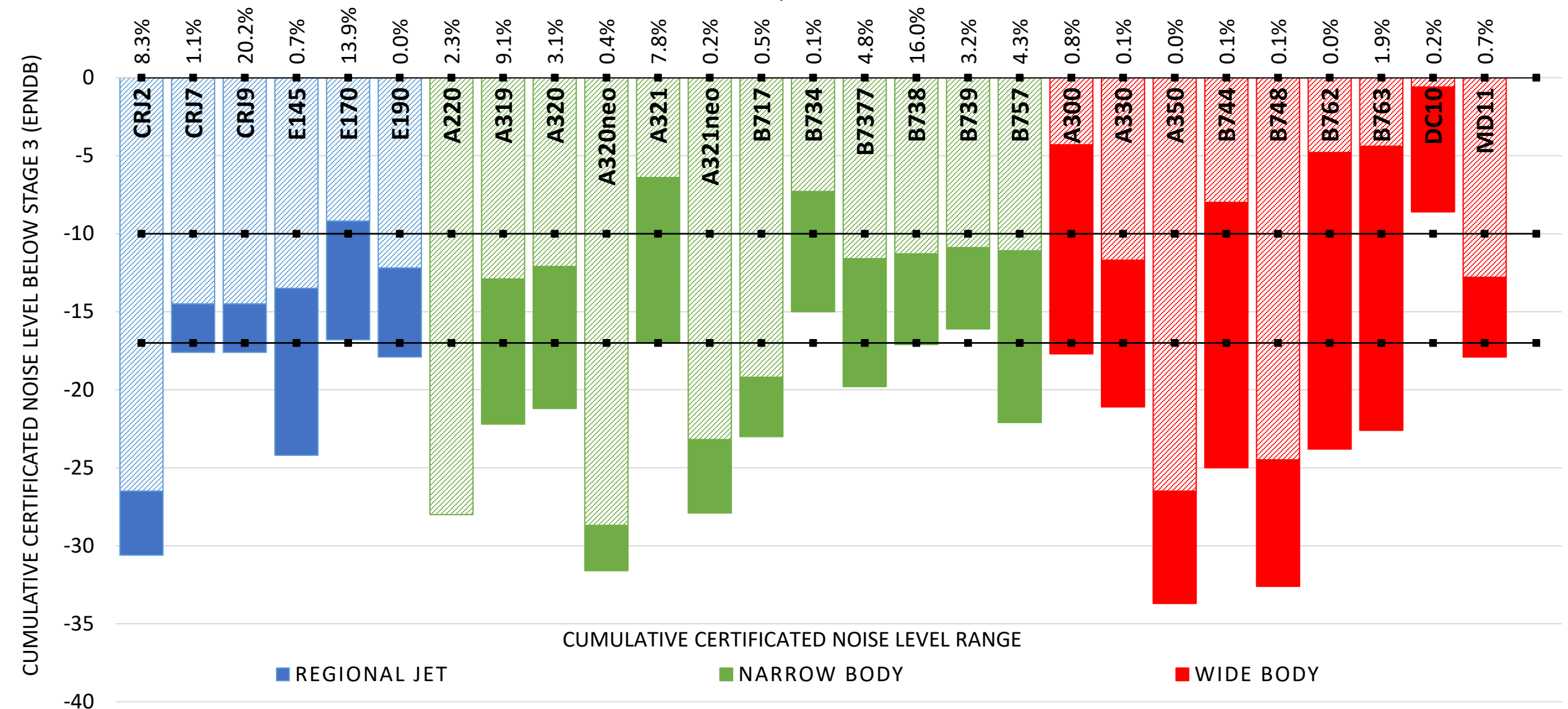
PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
45%	2%	0%	52%

9,547
DEPARTURES

PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
54%	1%	0%	45%

2020 MSP CARRIER JET USAGE WITH CUMULATIVE CERTIFICATED NOISE LEVELS

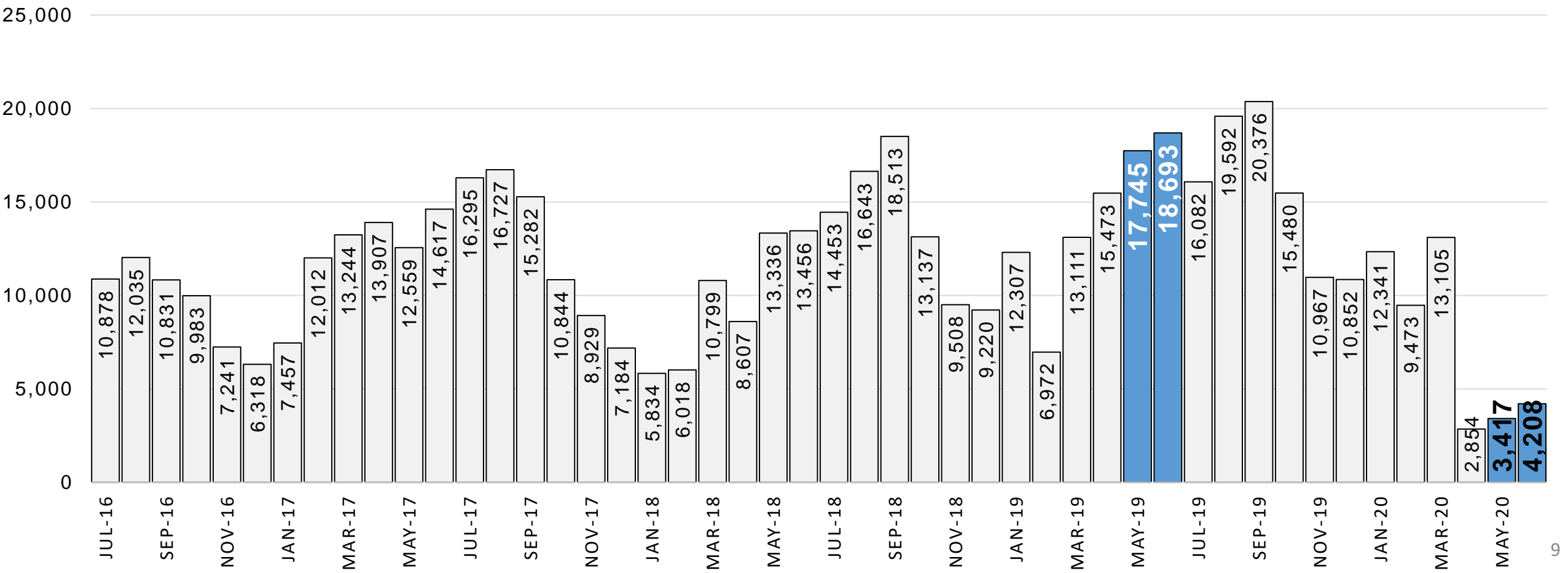
May - Jun



SOURCE: USAGE DATA: MACNOMS; NOISE CERTIFICATION DATA: EUROPEAN AVIATION SAFETY AGENCY

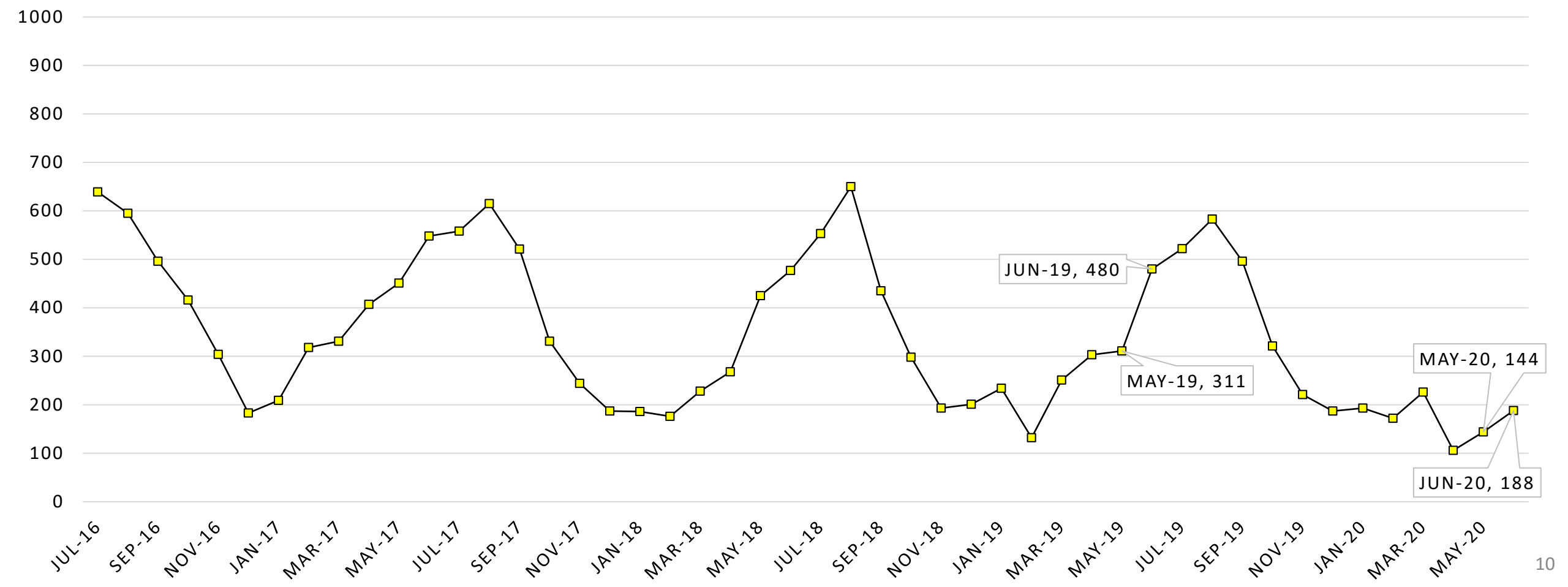
MSP COMPLAINTS

MAY 2020				JUNE 2020			
COMPLAINTS	LOCATIONS			COMPLAINTS	LOCATIONS		
3,417	144			4,208	188		
Operations per Complaint	New Locations	Average	Median	Operations per Complaint	New Locations	Average	Median
2.6	10	24	4	2.5	17	22	3



MSP COMPLAINTS

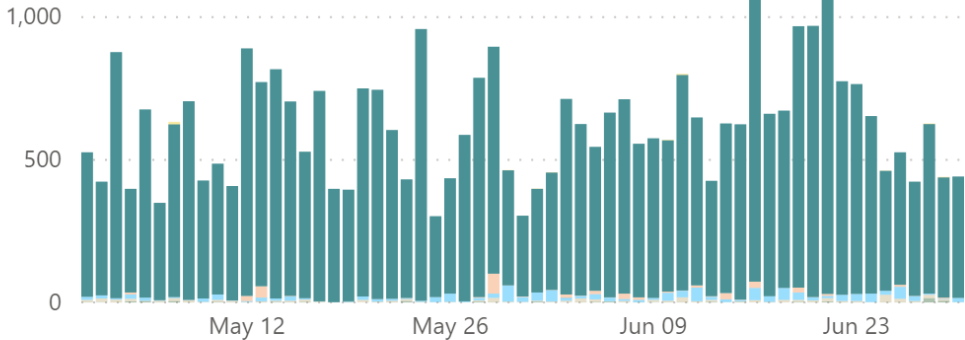
MAY 2020				APRIL 2020			
COMPLAINTS	LOCATIONS			COMPLAINTS	LOCATIONS		
3,417	144			4,208	188		
Operations per Complaint	New Locations	Average	Median	Operations per Complaint	New Locations	Average	Median
2.6	10	24	4	2.5	17	22	3





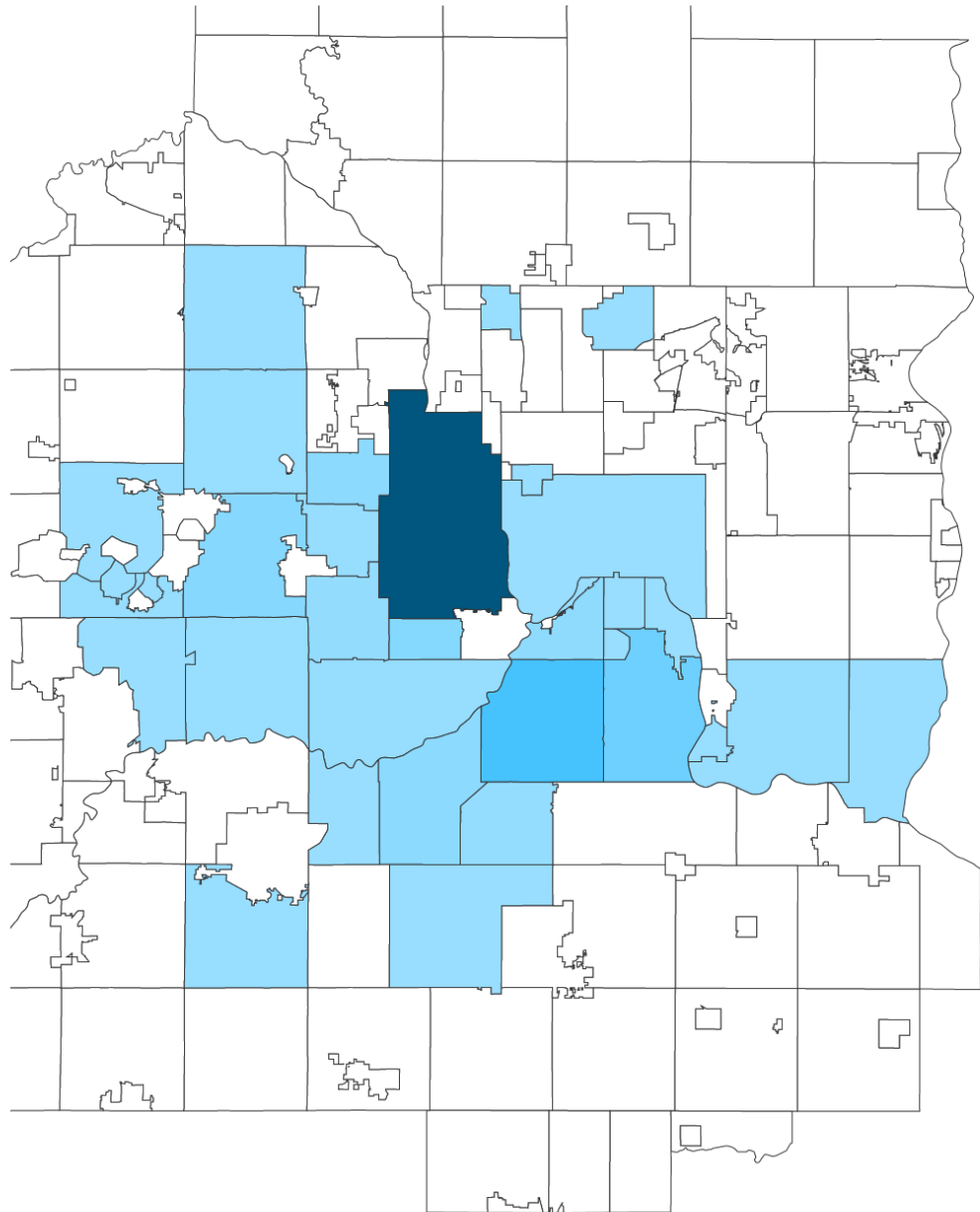
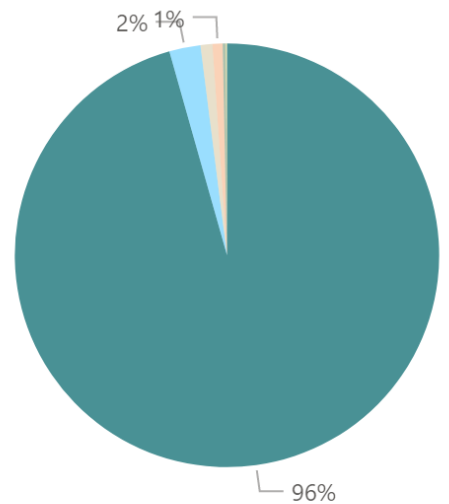
Complaints by Date

Airport ● (Blank) ● 21D ● ANE ● FCM ● LVN ● MIC ● MSP ● STP



Complaints by Airport

Airport ● MSP ● FCM ● ANE ● MIC ● (Blank) ● STP ● 21D ● LVN

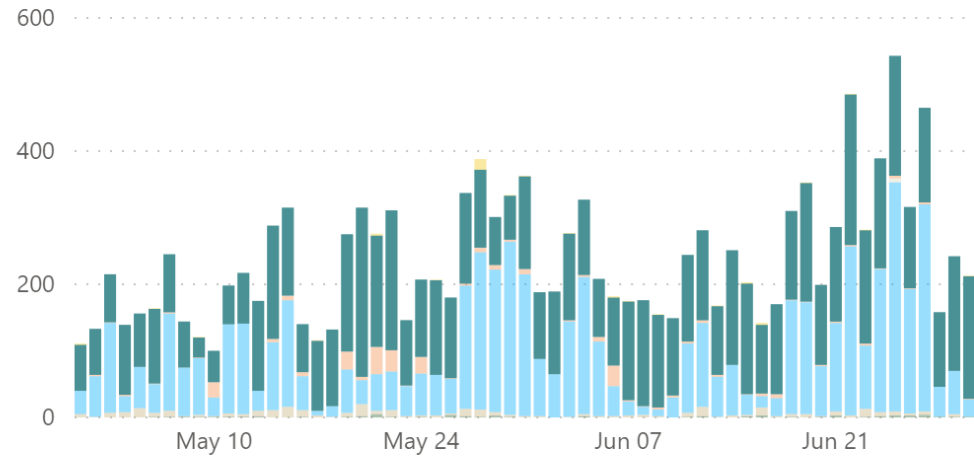


MSP
36438
 Complaints
587
 Addresses



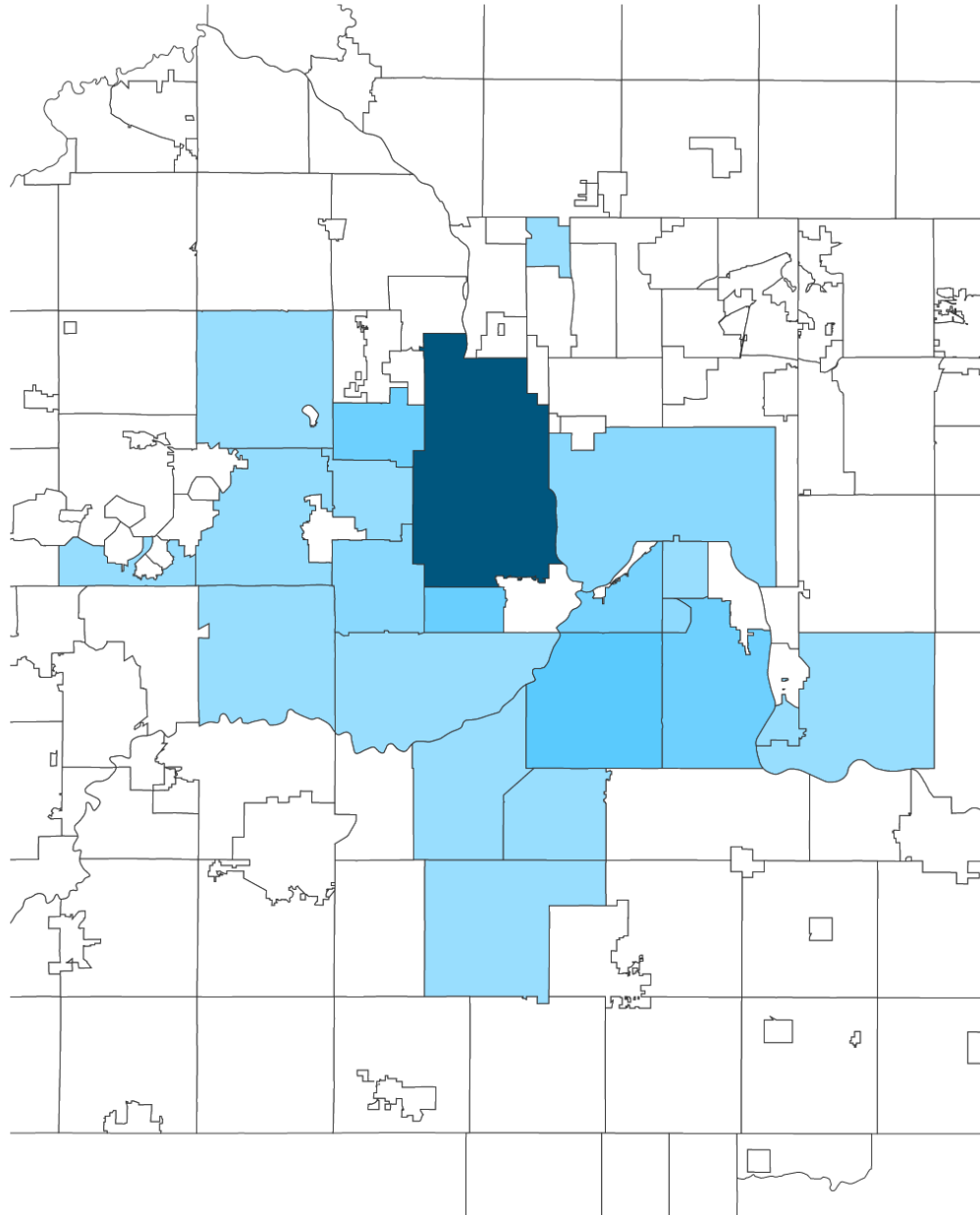
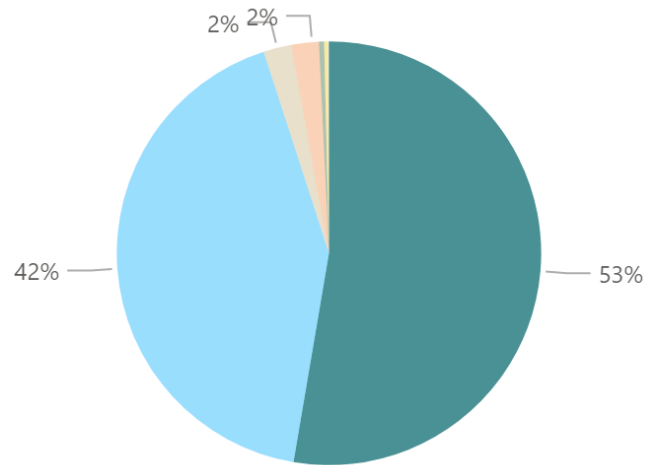
Complaints by Date

Airport ● (Blank) ● 21D ● ANE ● FCM ● LVN ● MIC ● MSP ● STP

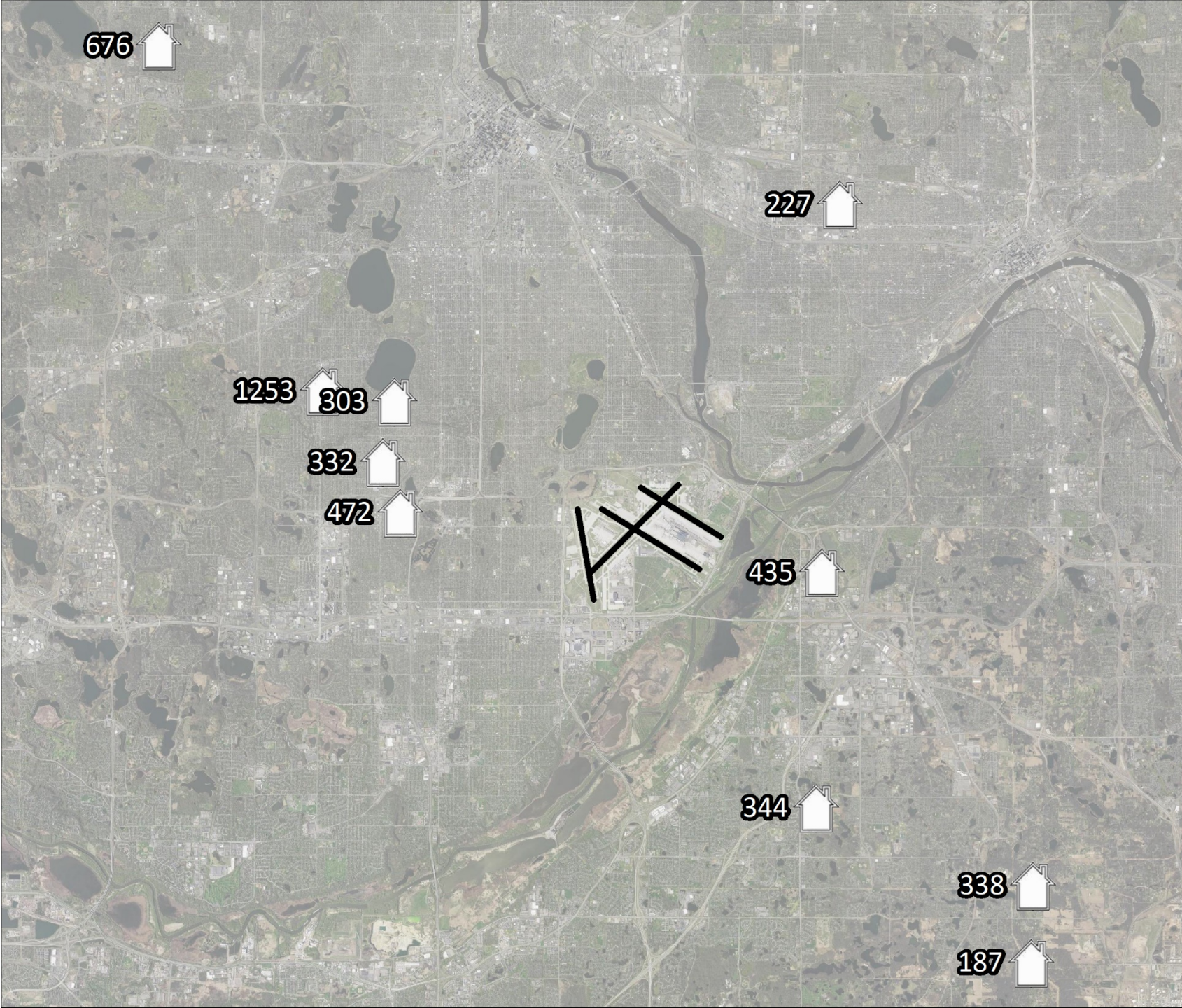


Complaints by Airport

Airport ● MSP ● FCM ● ANE ● MIC ● (Blank) ● STP ● LVN ● 21D



MSP
7625
 Complaints
248
 Addresses



TOP 10 LOCATIONS

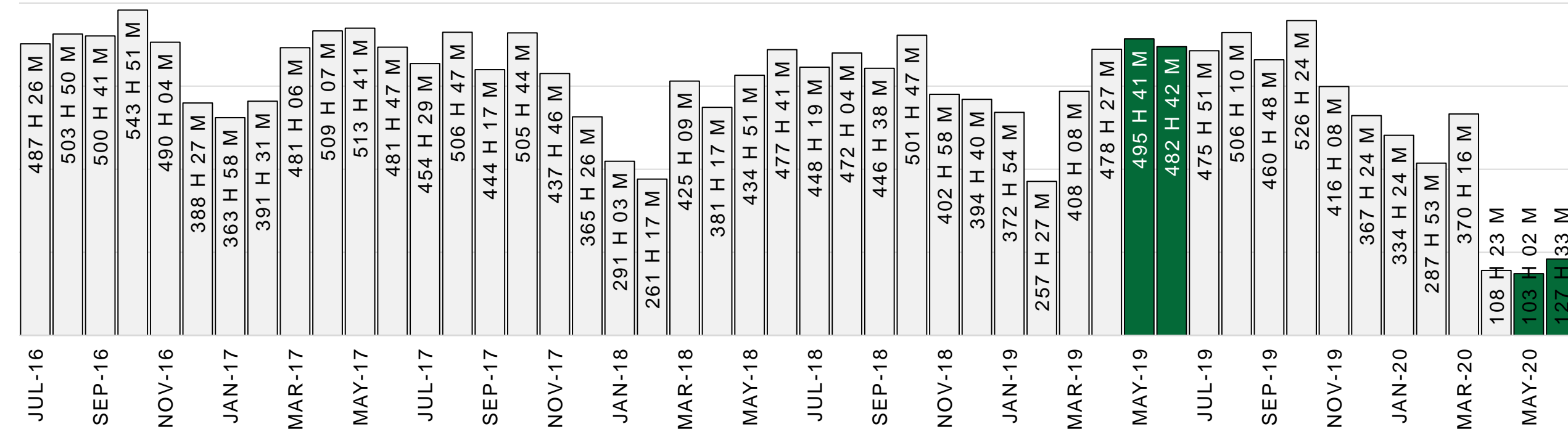
FILED
4,567
(60%)
COMPLAINTS DURING MAY & JUNE

6 OF 10
HOUSEHOLDS WERE IN THE TOP 10
FOR MARCH – APRIL

165
(69%)
HOUSEHOLDS FILED 10 OR FEWER
COMPLAINTS

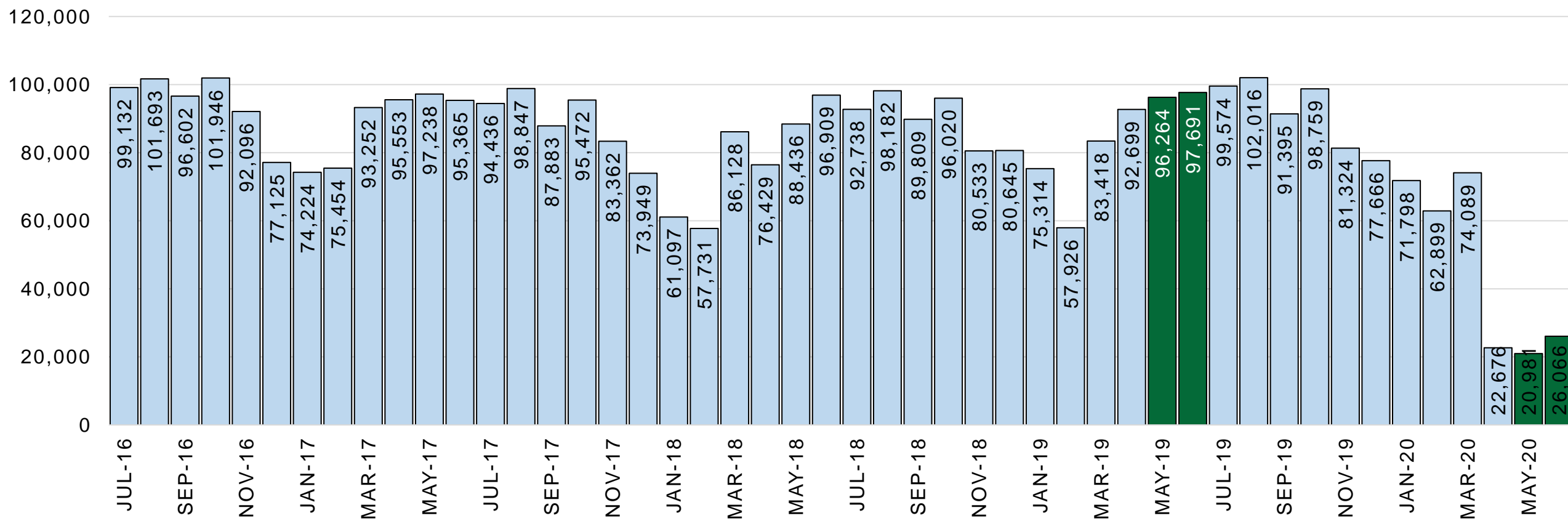
SOUND MONITORING

MAY 2020			JUNE 2020		
Time Above	42 _s TA ⁶⁵ per operation	103 _h 2 _m TA ⁶⁵	Time Above	44 _s TA ⁶⁵ per operation	127 _h 33 _m TA ⁶⁵
Count Above	2.39 N ⁶⁵ per operation	20,981 N ⁶⁵	Count Above	2.52 N ⁶⁵ per operation	26,066 N ⁶⁵



SOUND MONITORING

MAY 2020			JUNE 2020		
Time Above	42_s TA ⁶⁵ per operation	103_h 2_m TA ⁶⁵	Time Above	44_s TA ⁶⁵ per operation	127_h 33_m TA ⁶⁵
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NOISE ABATEMENT

MAY 2020

JUNE 2020

Runway 17	95.5%
Corridor	92.4%
Cross Day	36.9%
Cross Night	45.7%

Runway 17	98.5%
Corridor	95.1%
Cross Day	38.8%
Cross Night	65%

RUS	51.1%	Arrive – 50%	Depart – 52%
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RUS	50.9%	Arrive – 44%	Depart – 58%
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ITEM 3

3.1. FLIGHT PROCEDURE CHANGE REQUEST GUIDELINES



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ITEM 4

4.1 GUEST SPEAKER: MAC/MSP UPDATE BRIAN RYKS, MAC EXECUTIVE DIRECTOR/CEO



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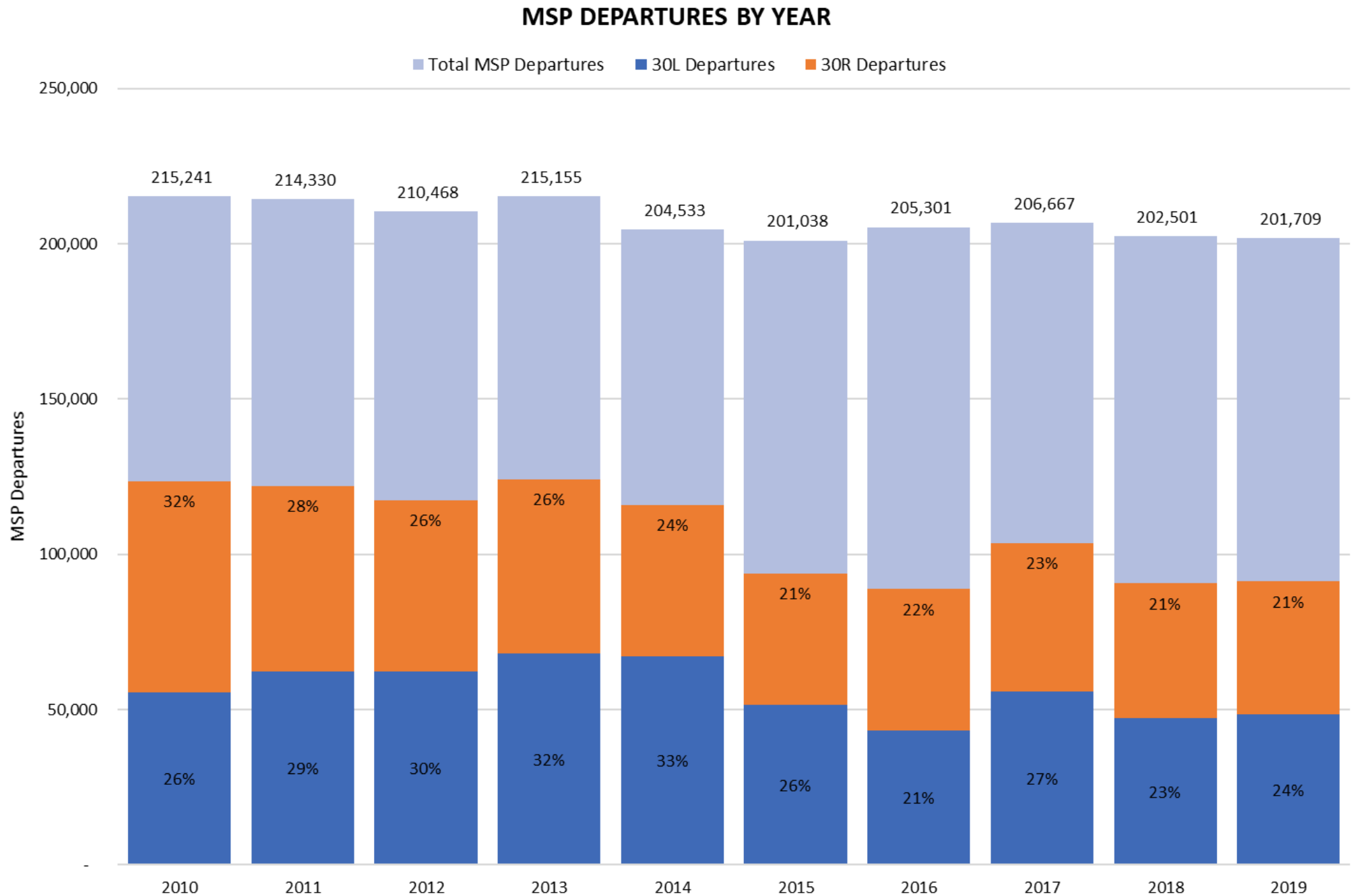
ITEM 4

4.2 RUNWAYS 30L AND 30R DEPARTURE OPERATIONS REPORT



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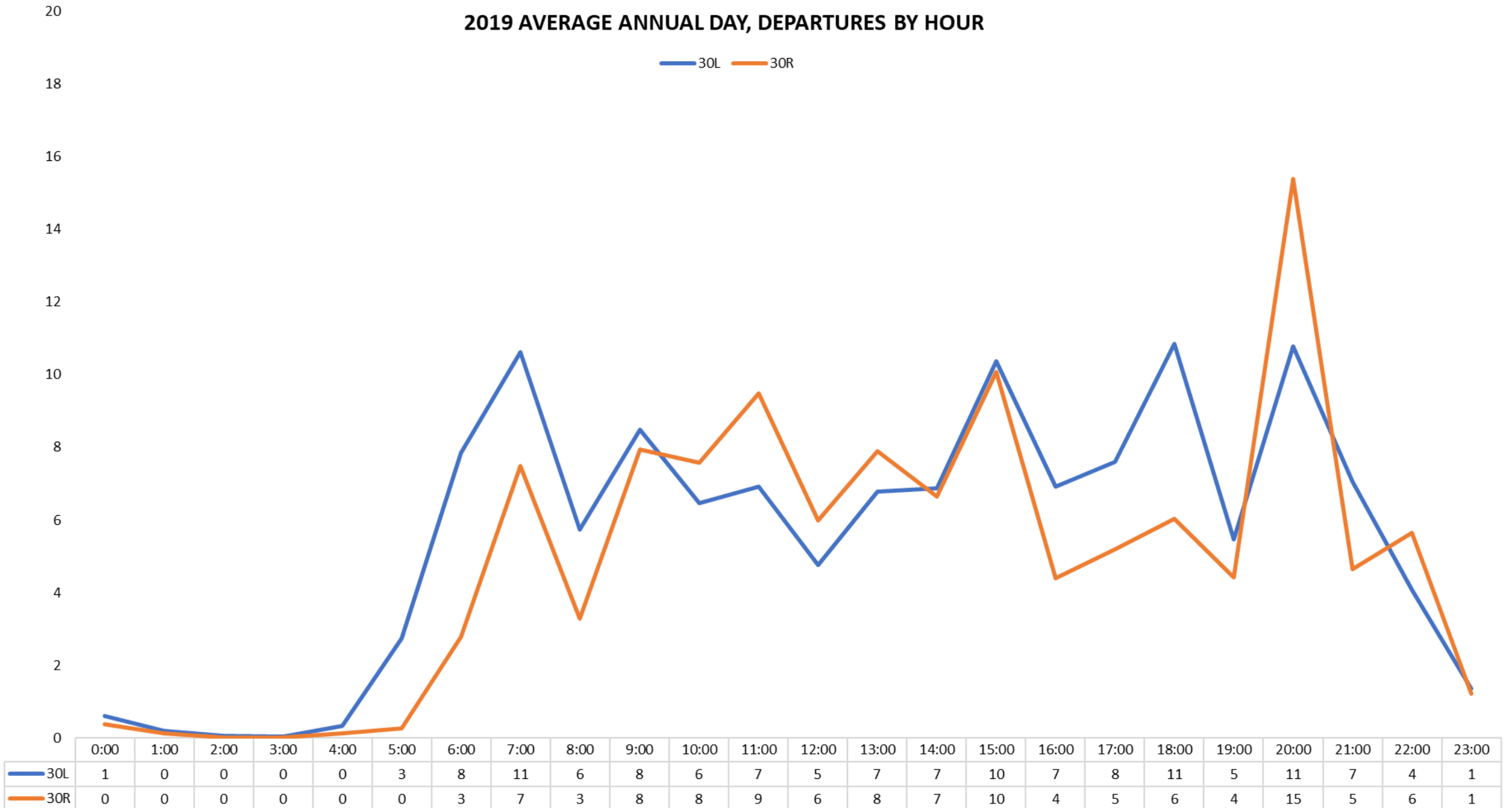
MSP Departures By Year 2010-2019



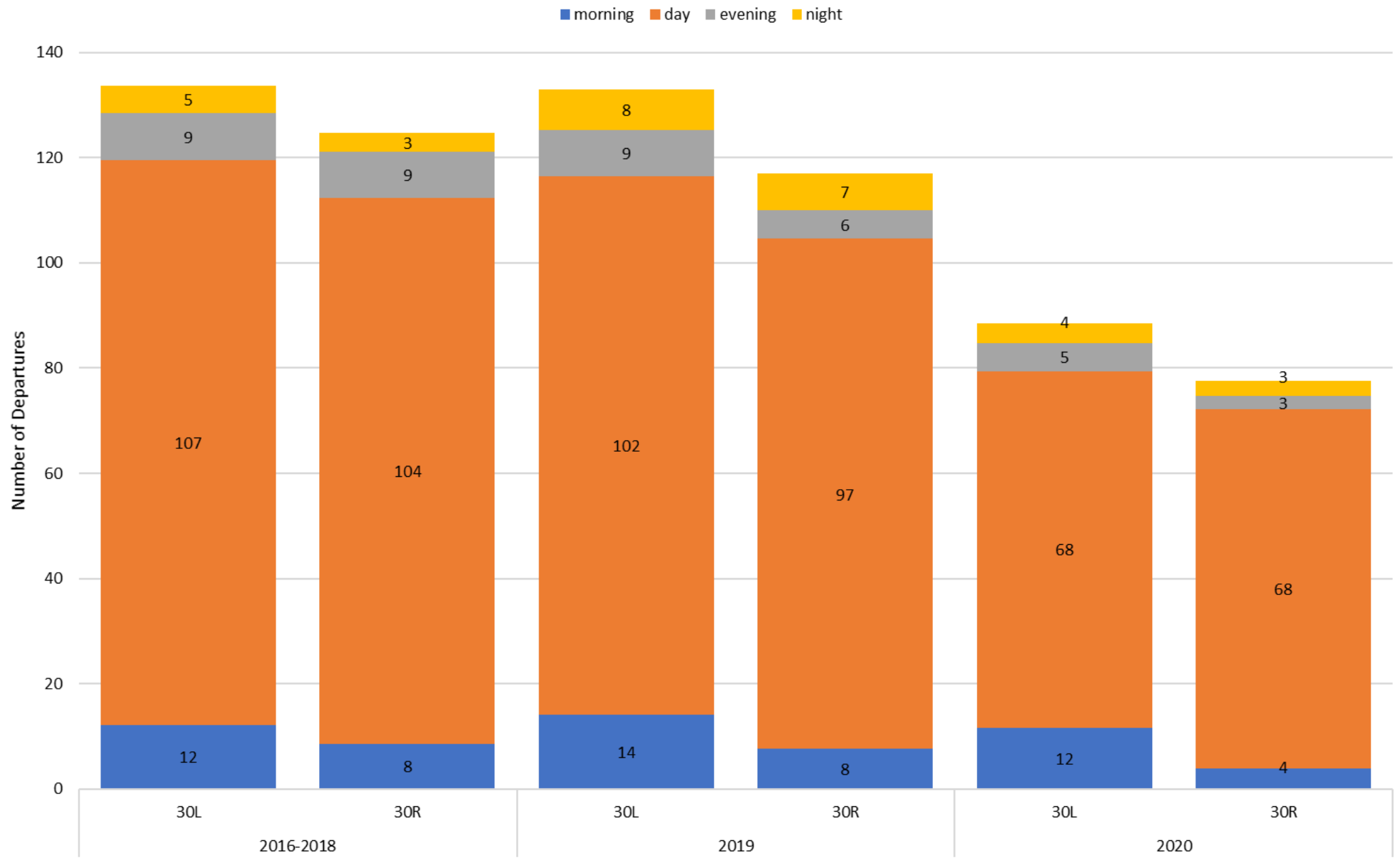
2019 AVERAGE ANNUAL DAY, DEPARTURES BY HOUR

— 30L — 30R

Number of Departures



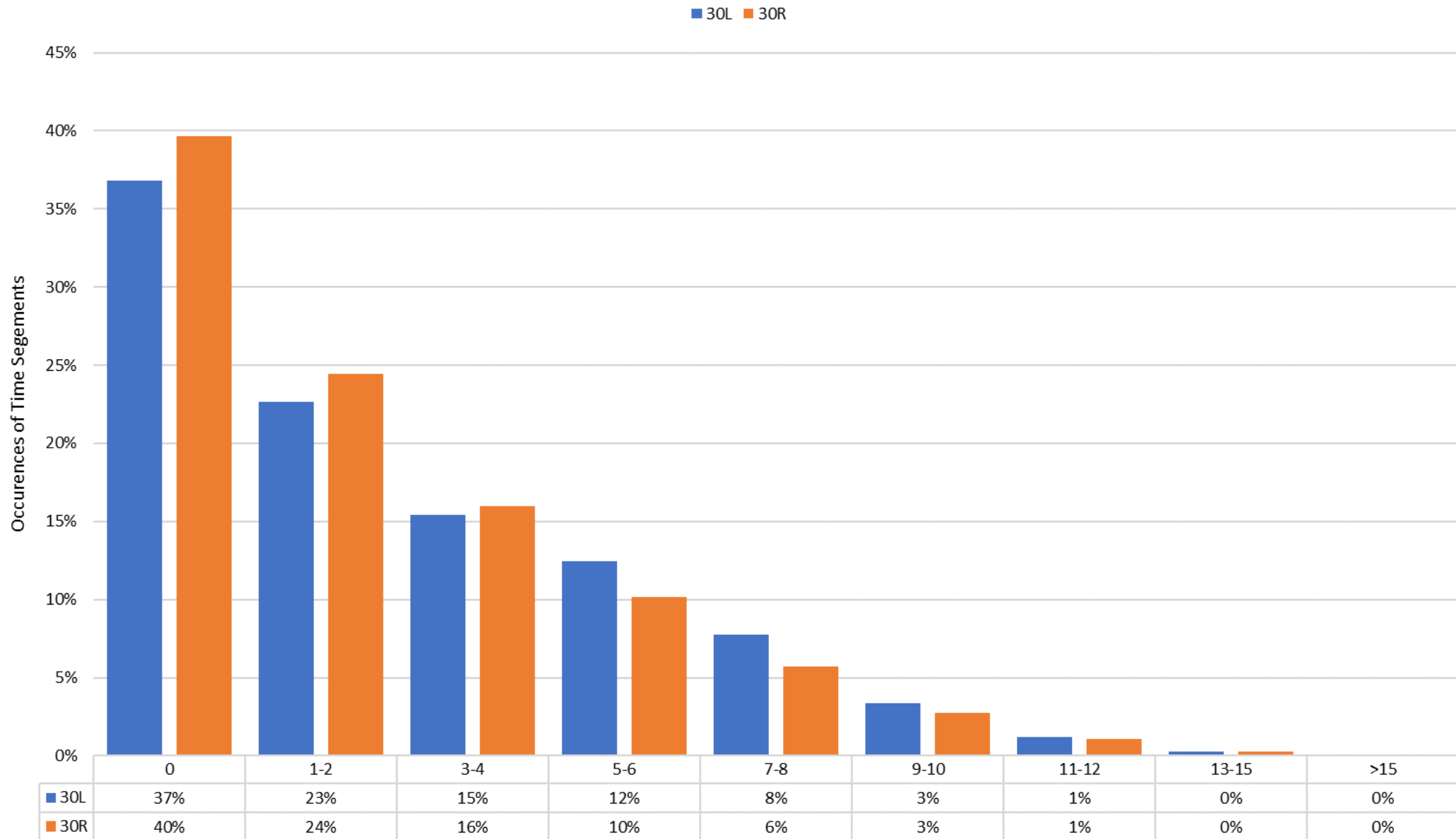
Runways 30L & 30R Average Day



Note:

Morning: 6 – 7:30 AM
 Day: 7:30 PM – 9 PM
 Evening: 9 – 10 :30PM
 Night: 10:30 PM – 6:00 AM

2019 15-MINUTE DEPARTURE USE DURING NORTH FLOW AND MIXED FLOW A

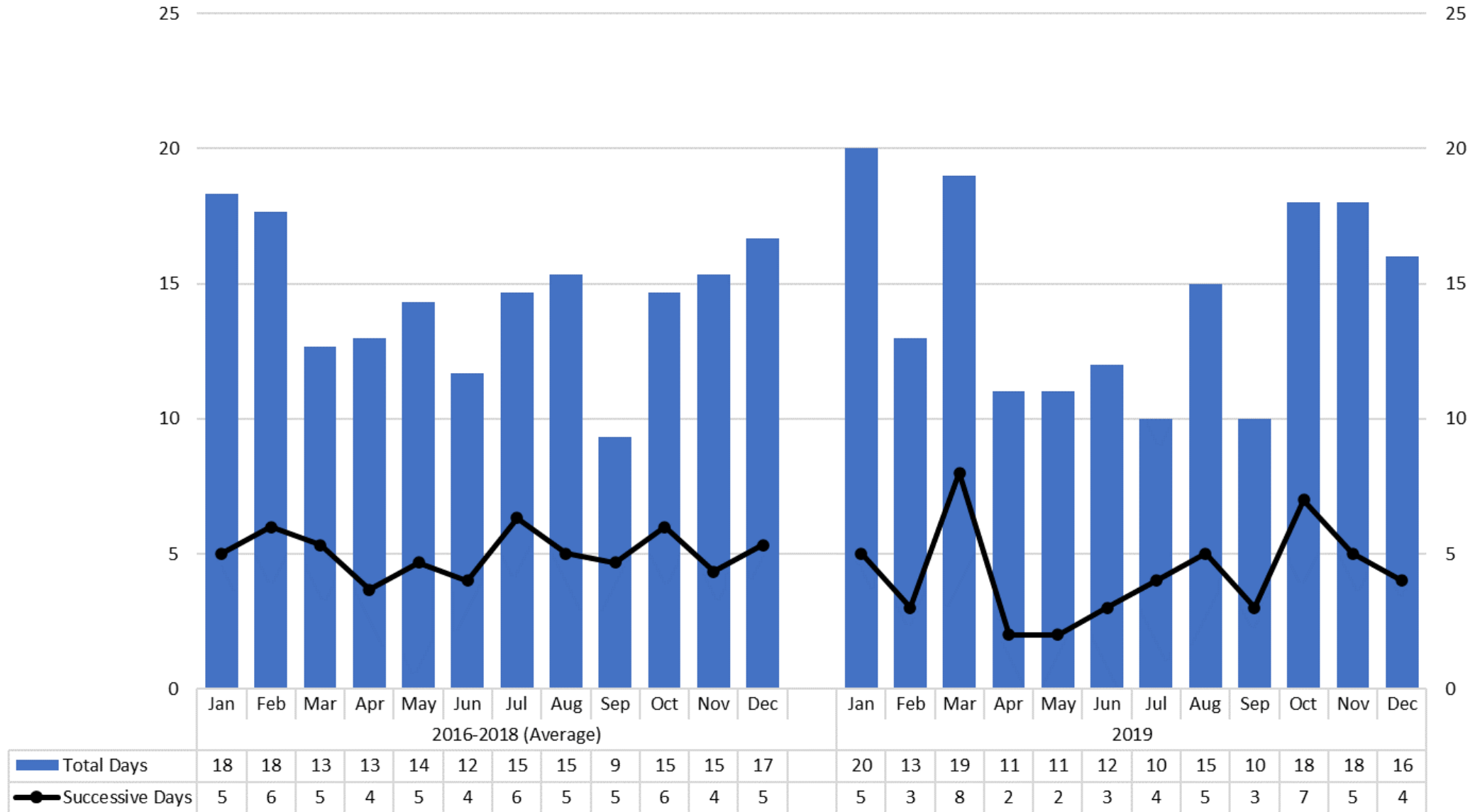


Runways 30L and 30R Departure Use by Flow

- ✈ North Flow
- ✈ Mixed Flow A



MSP DAYS IN NORTH FLOW OR MIXED FLOW A

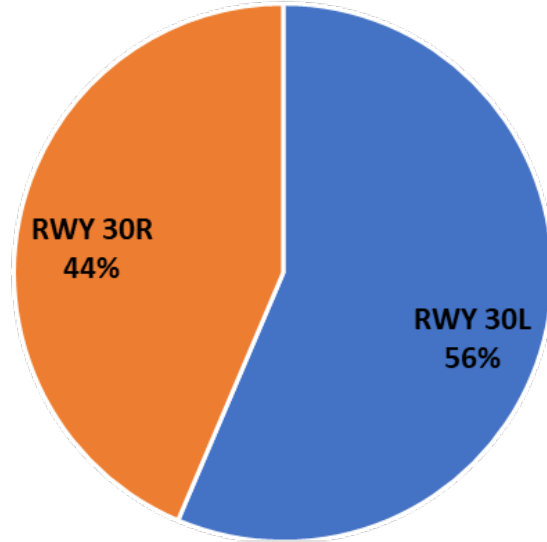


**Days were counted when North Flow or Mixed Flow A was used at least 6 hours or more*

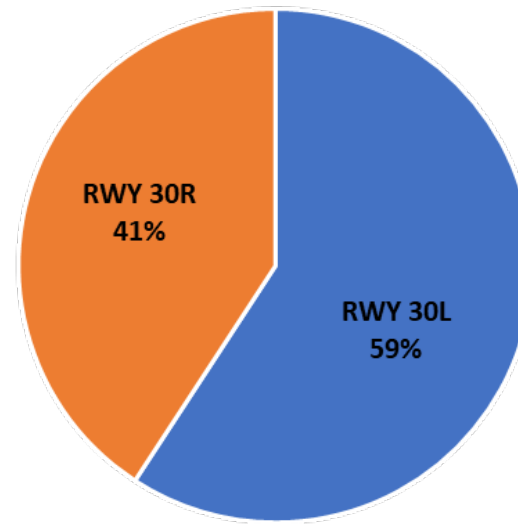
Use of Runways

by Flow

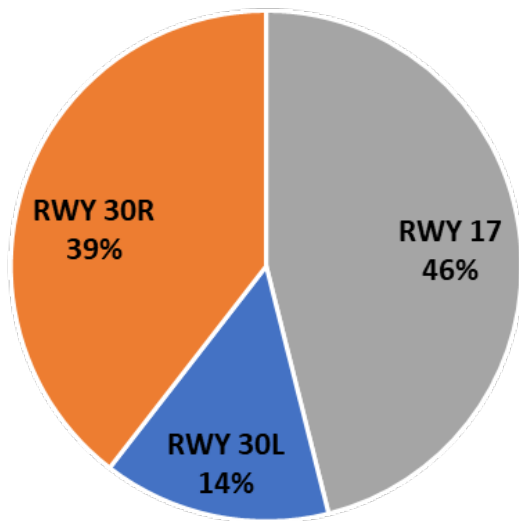
2016 - 2018 NORTH FLOW



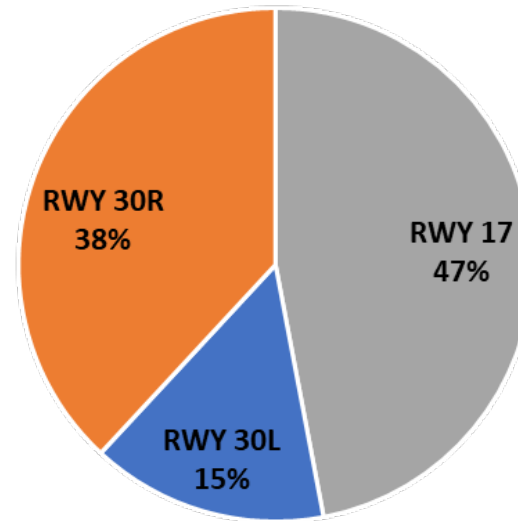
2019 NORTH FLOW



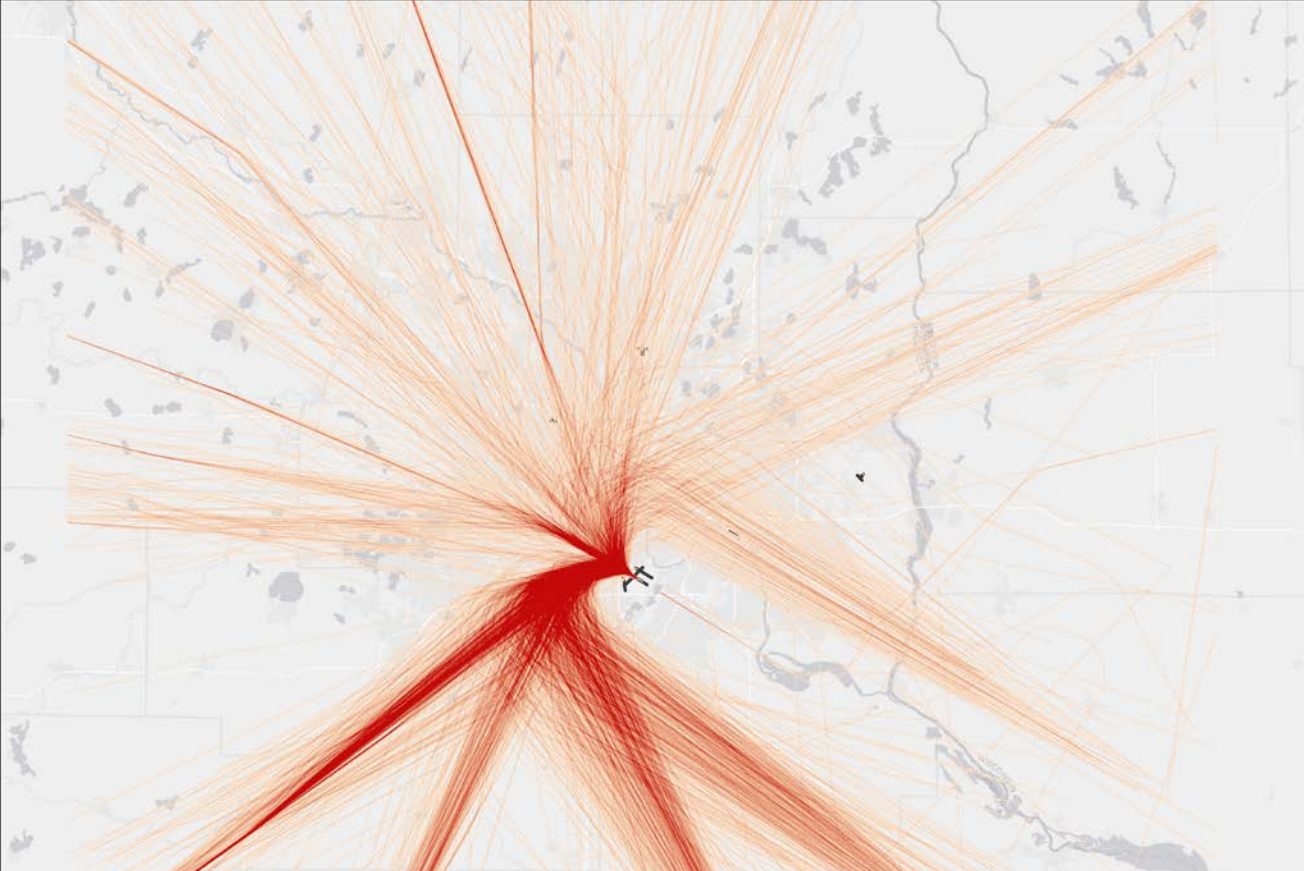
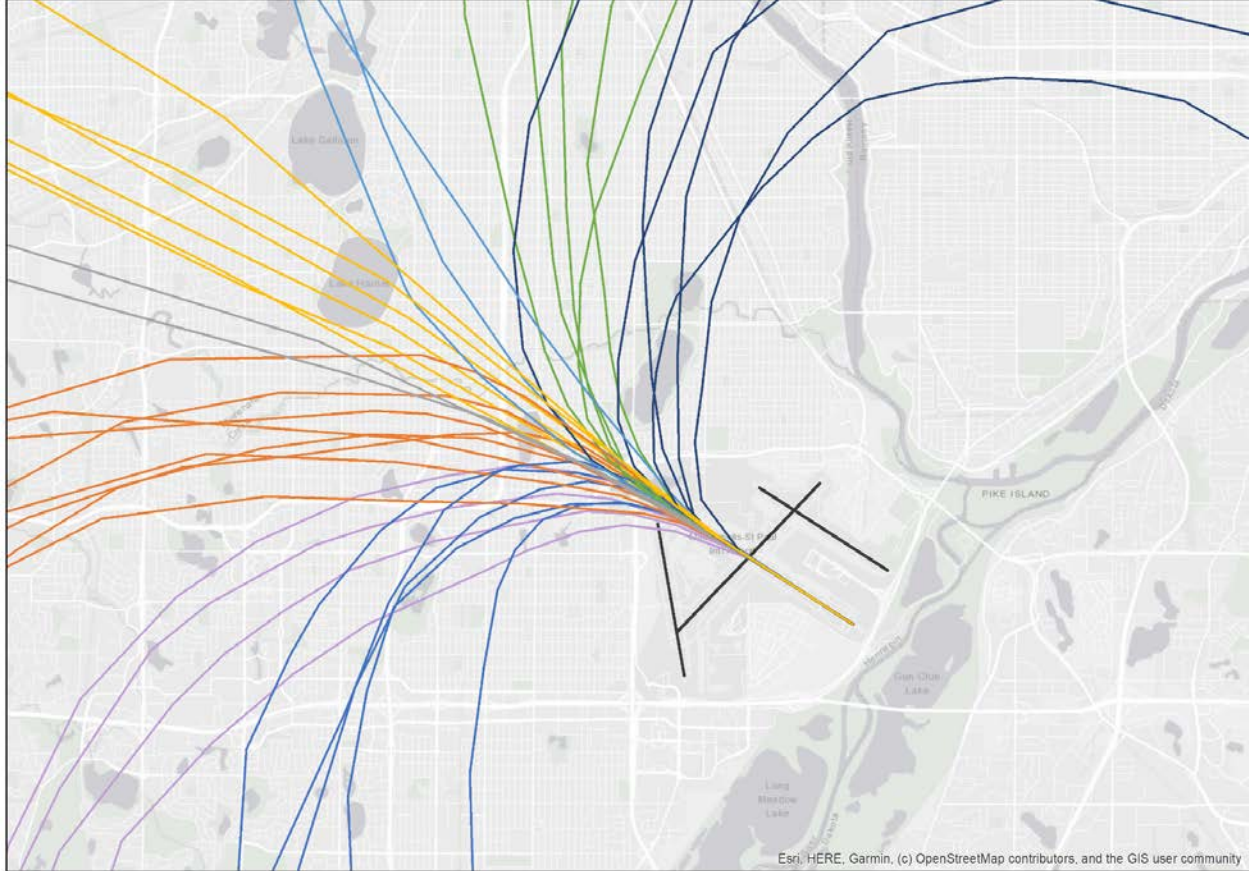
2016 - 2018 MIXED A



2019 MIXED A



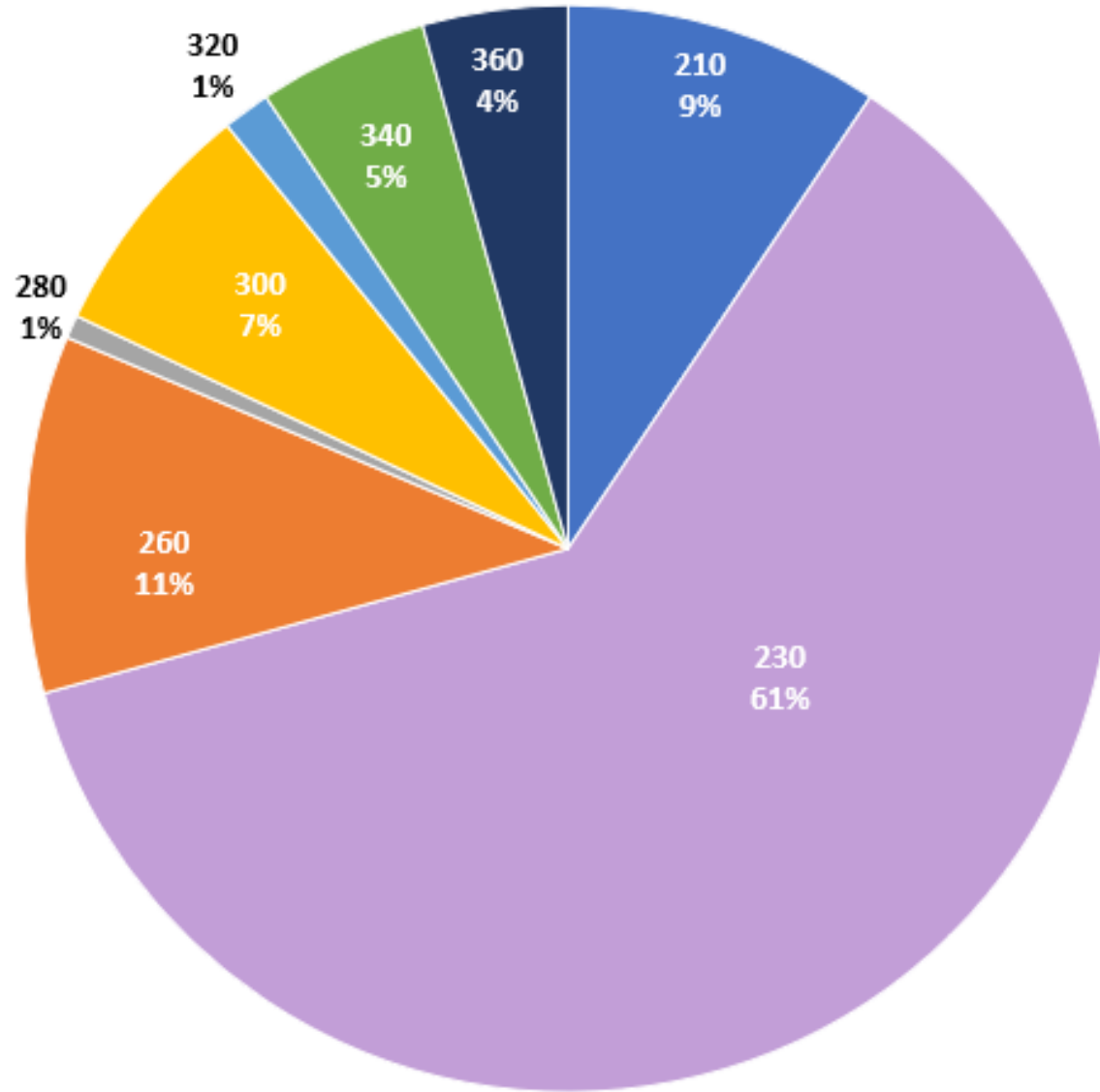
Runway 30L 2019 AEDT Model Tracks and 2020 Flight Tracks



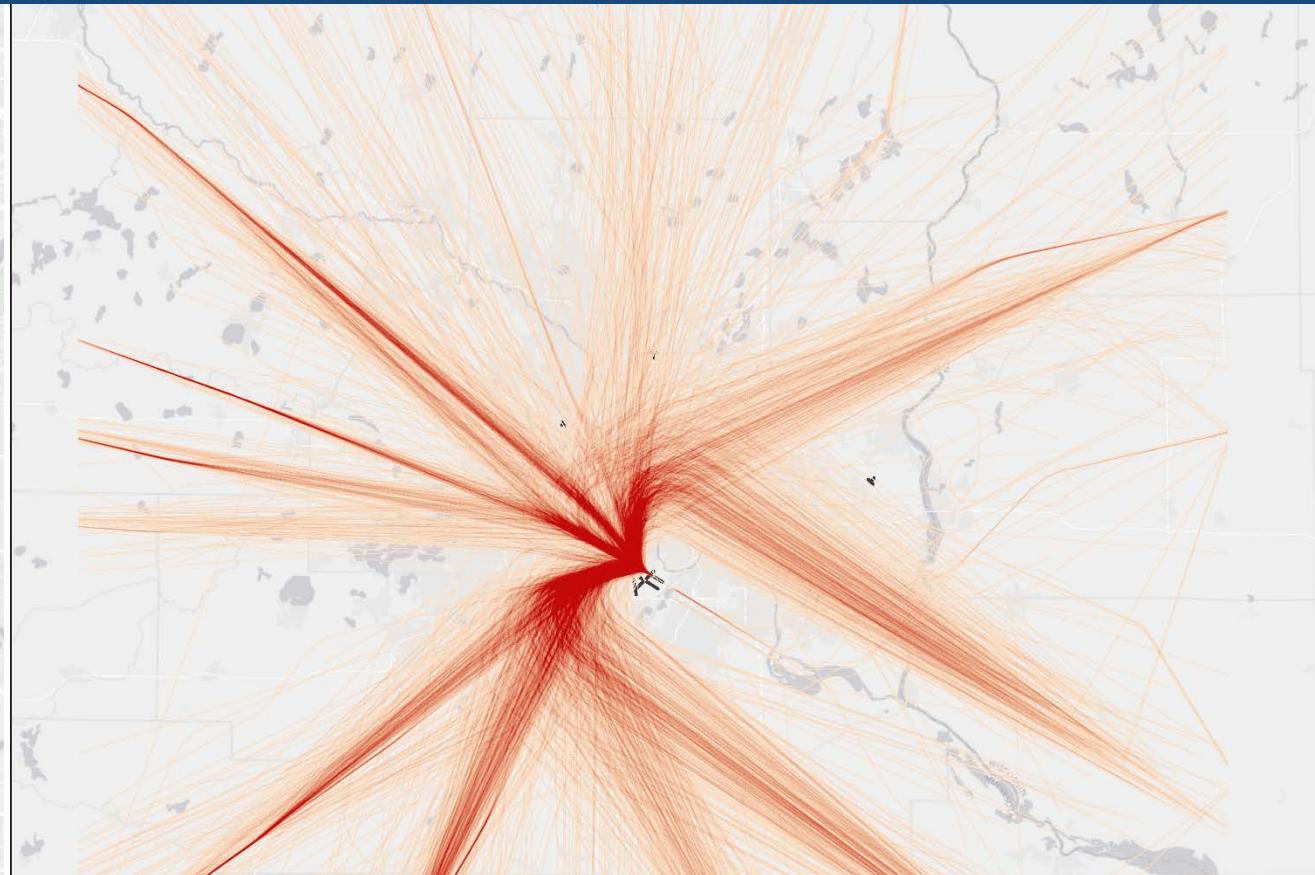
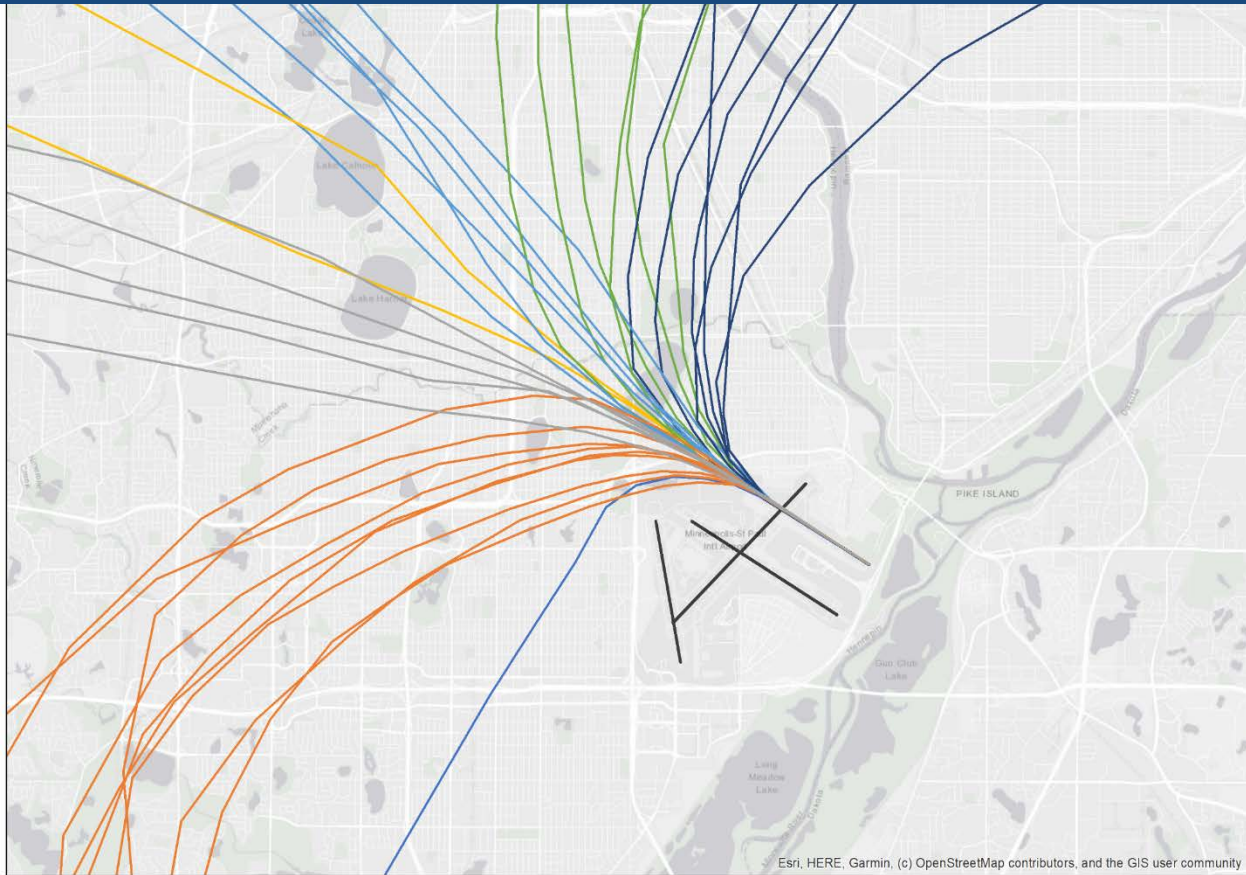
— 210 — 230 — 260 — 280 — 300 — 320 — 340 — 360

0 0.5 1 2 3 4 Miles

2019
Runway 30L
Departure
Heading Use



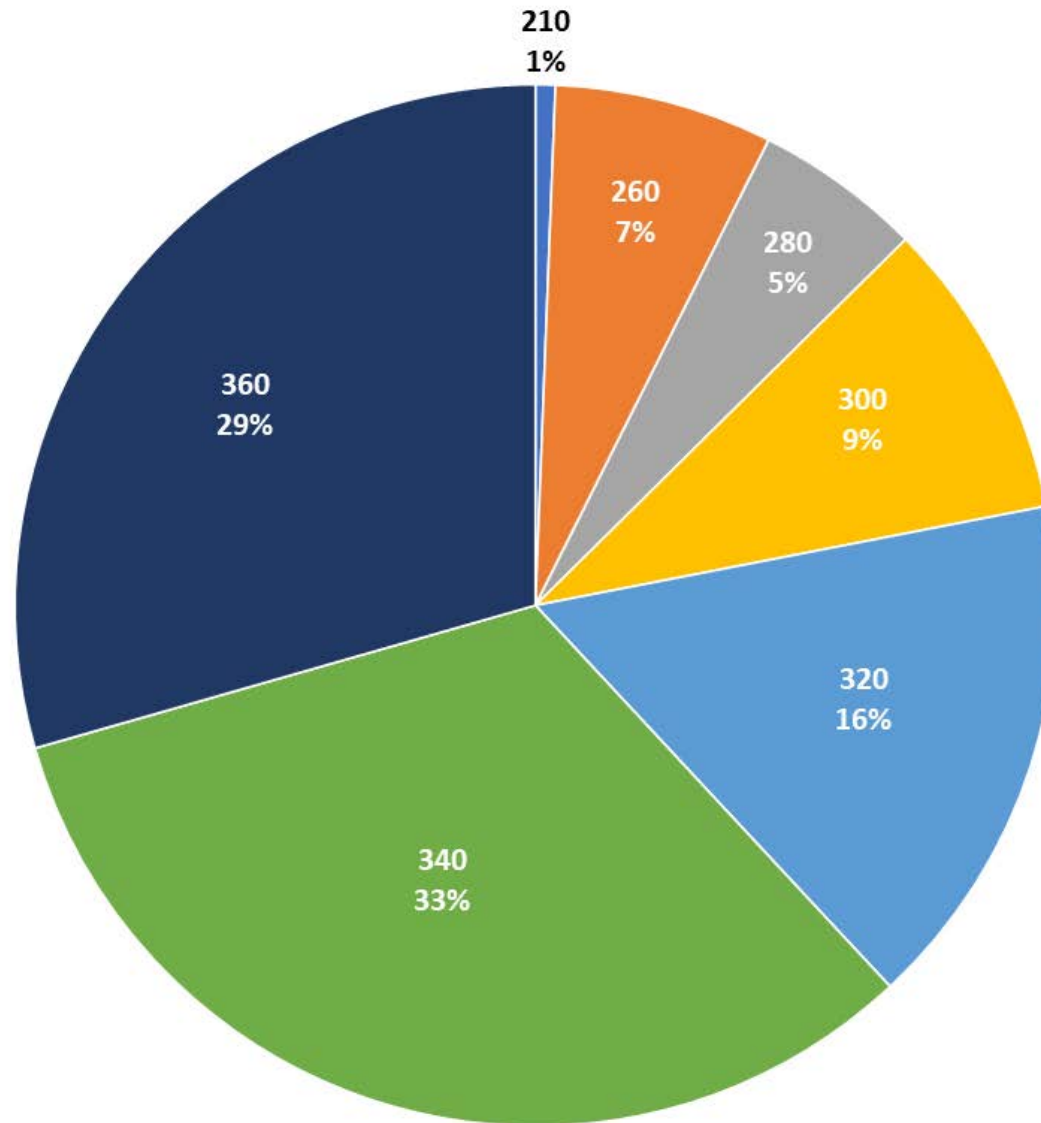
Runway 30R 2019 AEDT Model Tracks and 2020 Flight Tracks



— 210 — 260 — 280 — 300 — 320 — 340 — 360

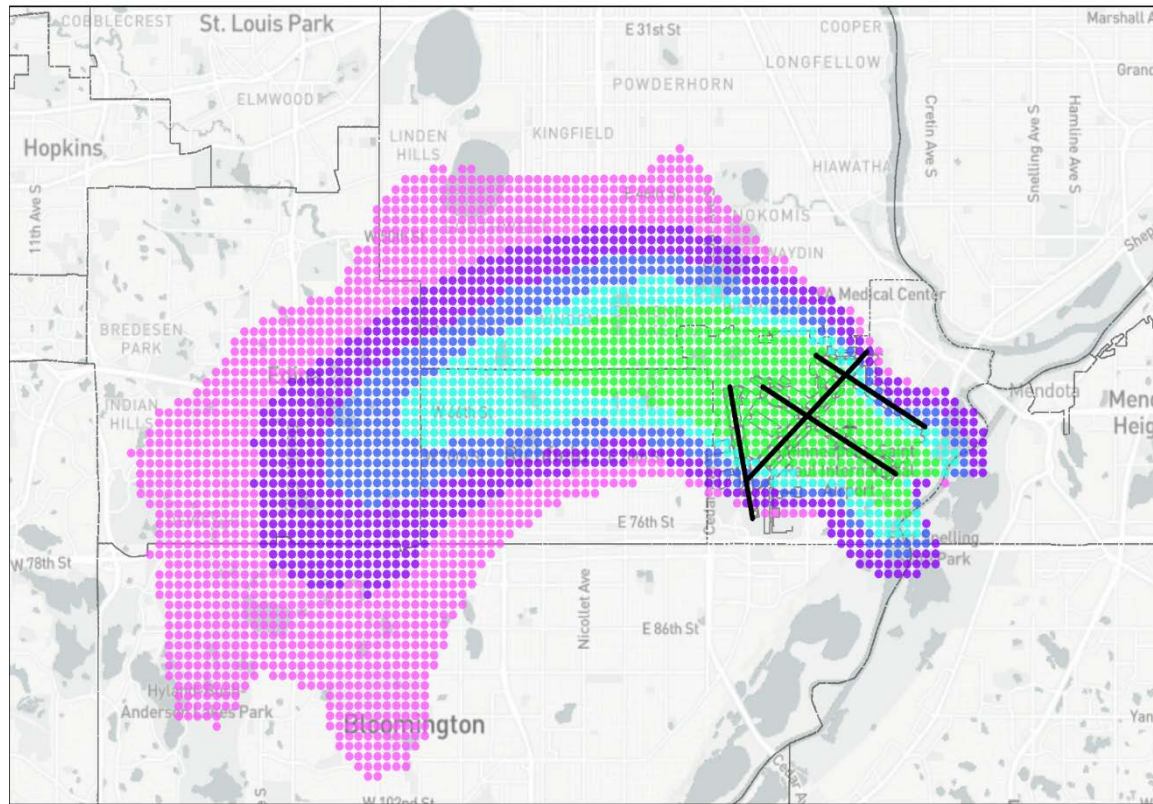
0 0.5 1 2 3 4 Miles

2019
Runway 30R
Departure
Heading Use

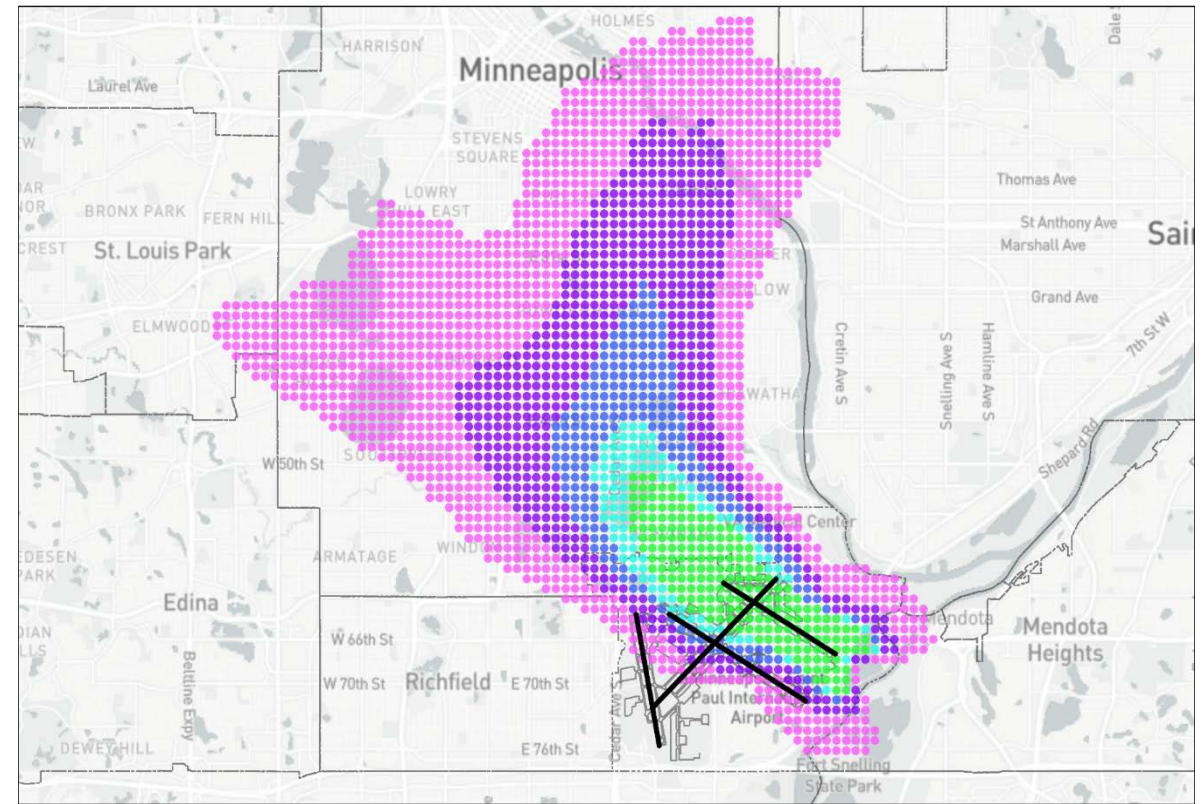


MSP 2019 Average Daily Aircraft Sound Events over 65dB

MSP 2019 AVERAGE DAILY AIRCRAFT SOUND EVENTS OVER 65 DB - 30L DEPARTURES



MSP 2019 AVERAGE DAILY AIRCRAFT SOUND EVENTS OVER 65 DB - 30R DEPARTURES



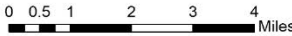
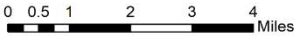
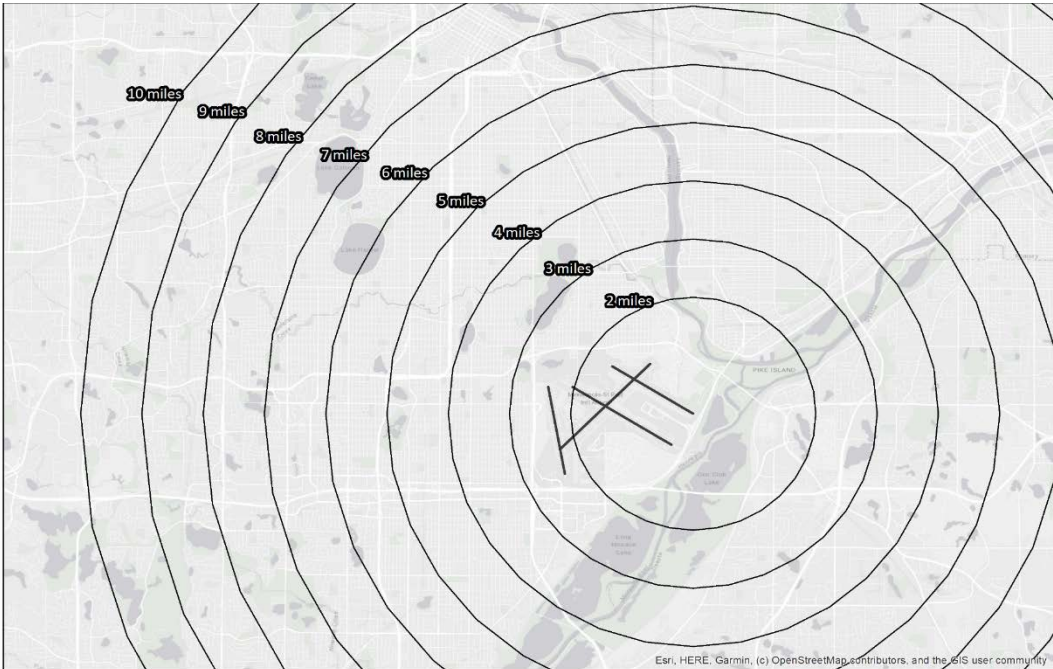
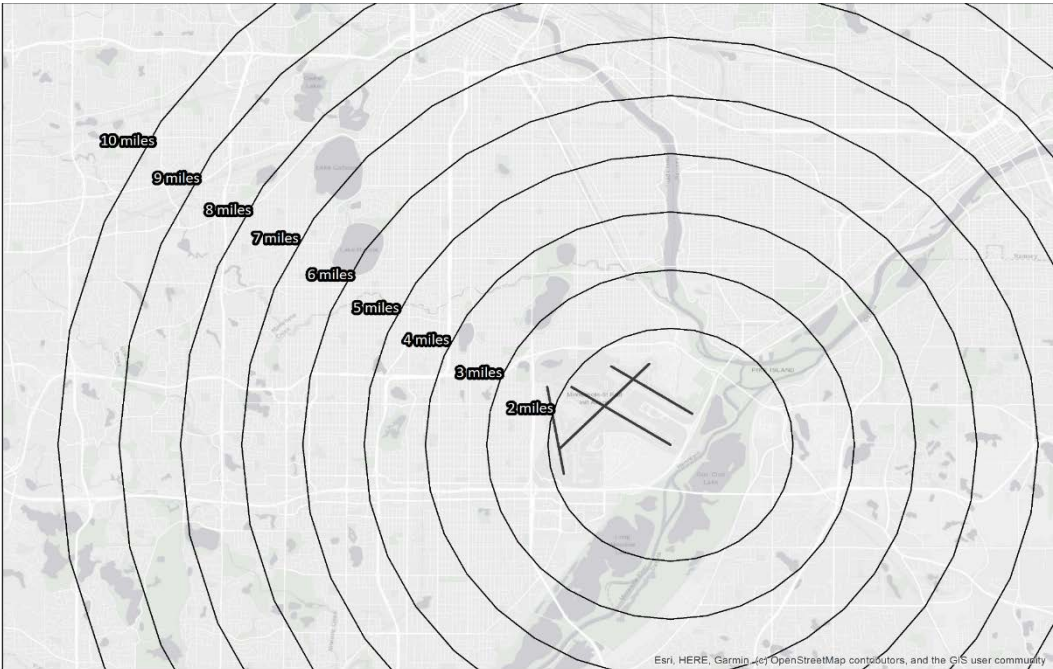
- < 10
- 10 to 25
- 25 to 50
- 50 to 75
- 75 to 100
- 100 to 200
- 200 to 300
- 300 to 400
- 400 to 500
- > 500

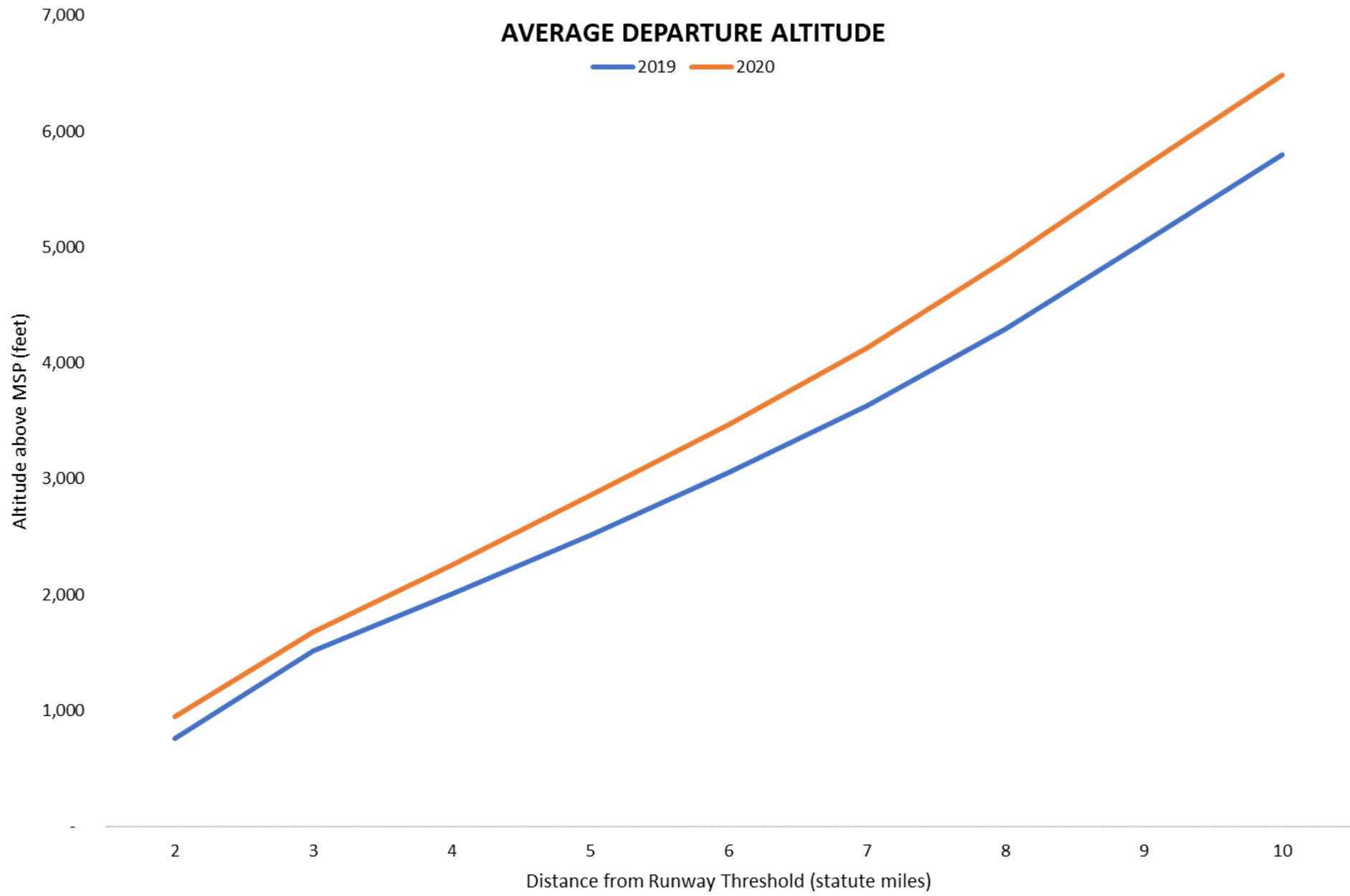
0 1 2 4 Miles

- < 10
- 10 to 25
- 25 to 50
- 50 to 75
- 75 to 100
- 100 to 200
- 200 to 300
- 300 to 400
- 400 to 500
- > 500

0 1 2 4 Miles

Distance Measurement Rings





ITEM 5

ANNOUNCEMENTS

Summer Listening Session

Wednesday, July 22, 2020 @ 6 PM

Virtual Teleconference

September NOC Meeting

Wednesday, September 16, 2020 @ 1:30 PM

****MAC General Offices****

****Lindbergh Conference Room****

Locations are currently tentative



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