



NOISE OVERSIGHT COMMITTEE

January 22, 2025

Recordings are made of this meeting

Agenda

1. Consent

1.1 Approval of November 20, 2024 Meeting Minutes

1.2 Reports

1.2.1 Monthly Operations Reports: NOV and DEC 2024

2. Public Comment

3. Business

4. Information

4.1 FAA Update on MSP VOR MON and RNAV Procedure Development

4.2 2024 Fleet Mix and Nighttime Operations Assessment

4.3 2024 Complaint Data Assessment

5. Announcements

6. Adjourn



NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025

1.1 APPROVAL OF NOVEMBER 20, 2024 MINUTES



**NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025**

1.2.1 MONTHLY OPERATIONS REPORTS: NOV AND DEC 2024



NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025

MSP OPERATIONS

November 2024

26,723

Operations

1,538

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

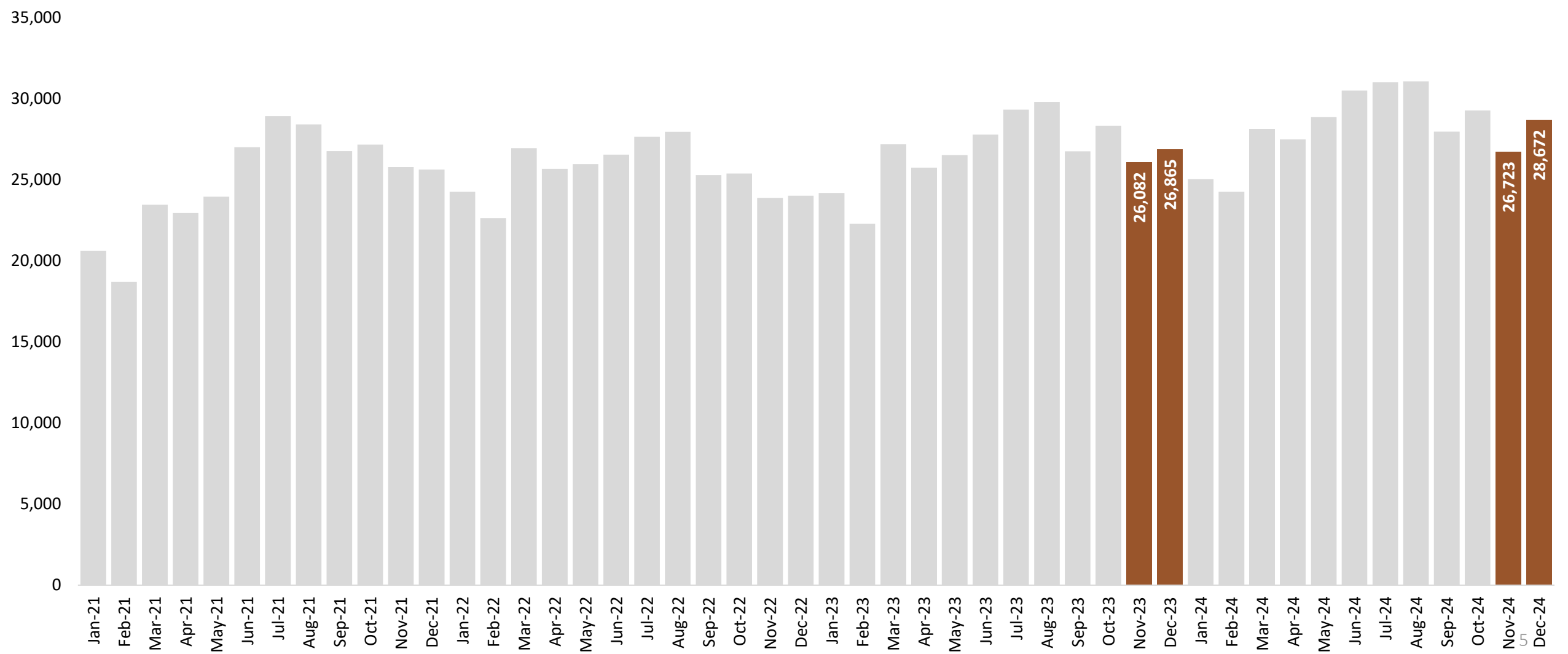
December 2024

28,672

Operations

1,955

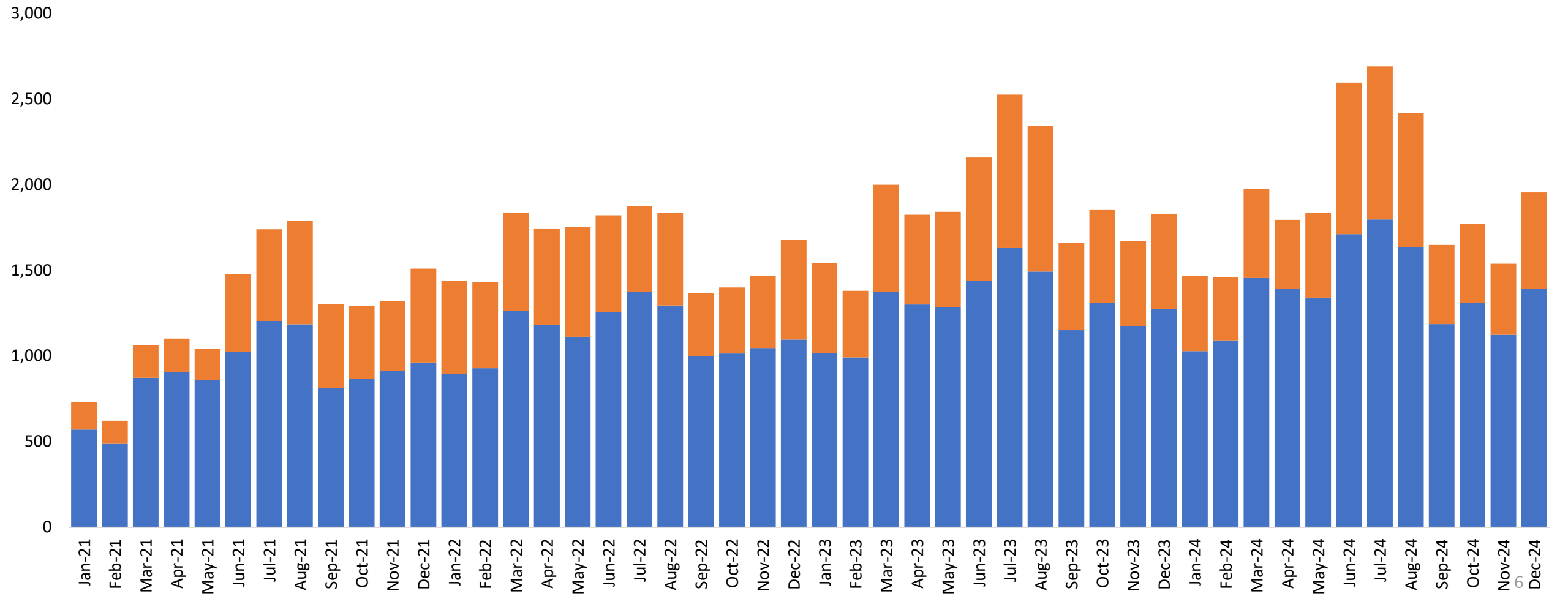
Nighttime Operations
(10:30 PM – 6:00 AM)



MSP OPERATIONS

November 2024		December 2024	
26,723	1,538	28,672	1,955
Operations	Nighttime Operations (10:30 PM – 6:00 AM)	Operations	Nighttime Operations (10:30 PM – 6:00 AM)

■ A ■ D



RUNWAY USE

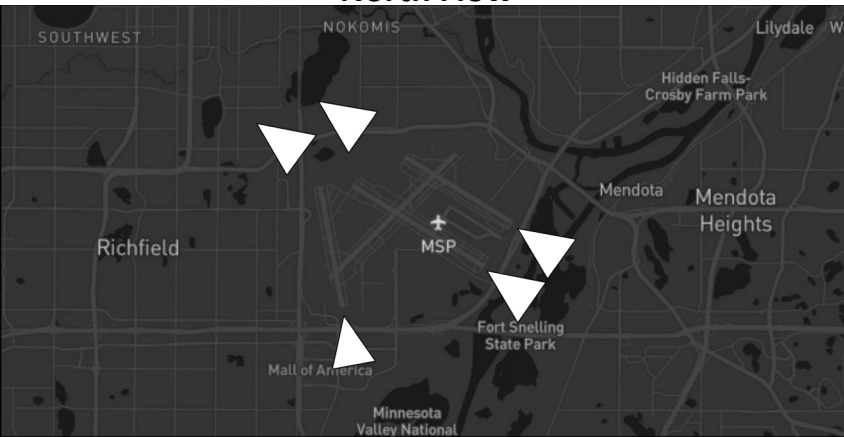
NOV 2024		
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
39%	44%	9%

DEC 2024		
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
37%	42%	12%

2023 JAN - DEC		
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
32%	49%	12%

2024 JAN - DEC		
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
31%	46%	17%

North Flow



South Flow



Mixed Flow



NOV – DEC RUNWAY USE

55,395
OPERATIONS IN NOV – DEC

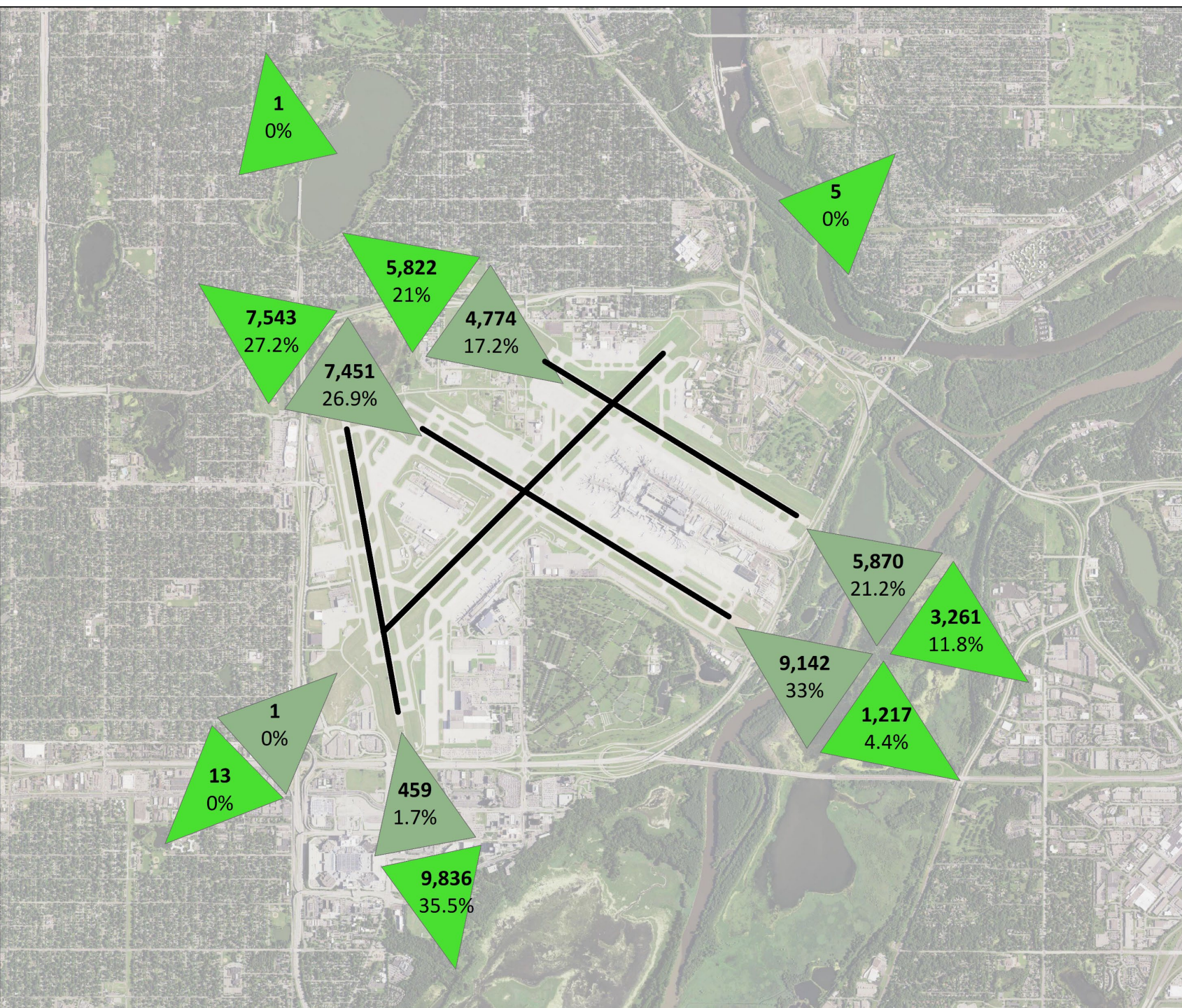
PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
35%	19%	0%	46%

27,697
ARRIVALS

PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
54%	2%	0%	44%

27,698
DEPARTURES

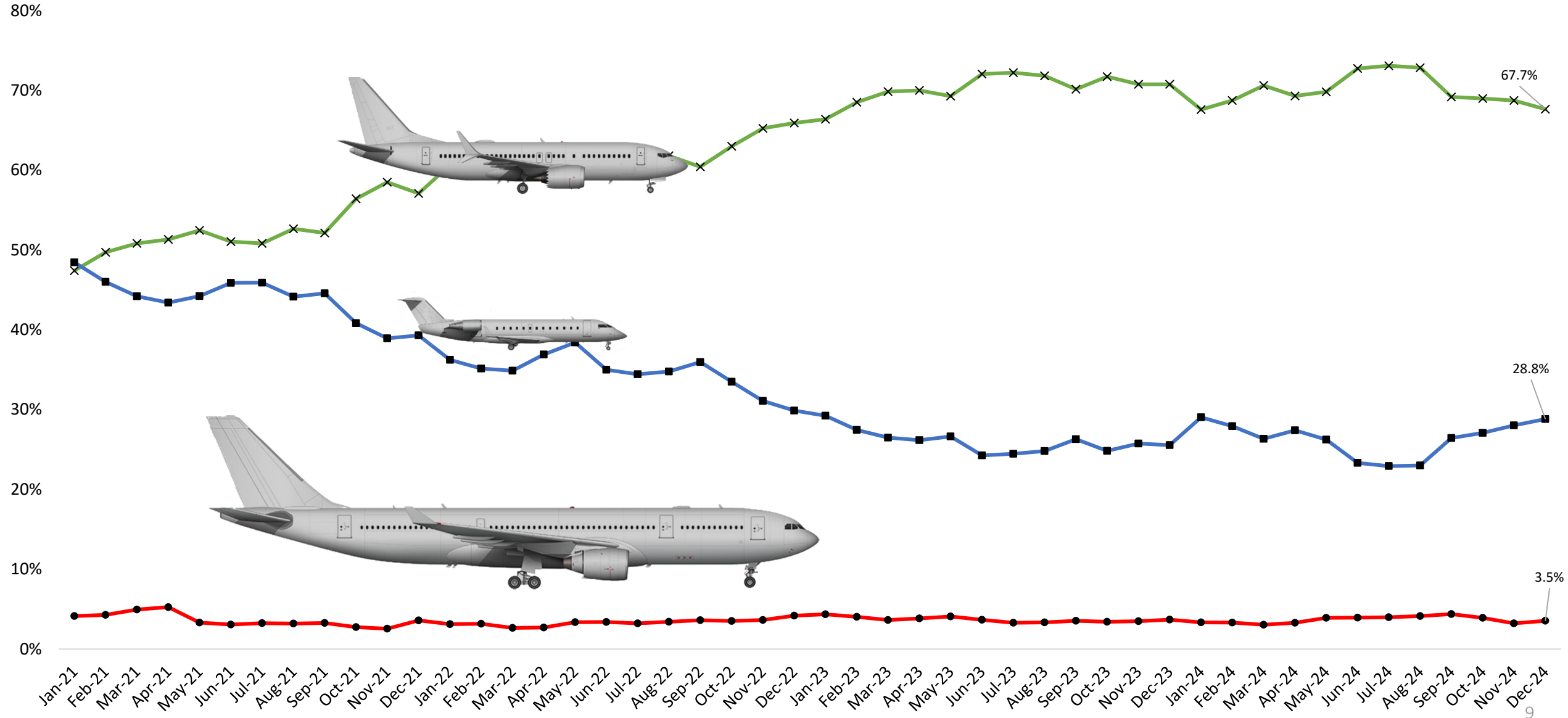
PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
16%	36%	0%	48%



MSP OPERATIONS

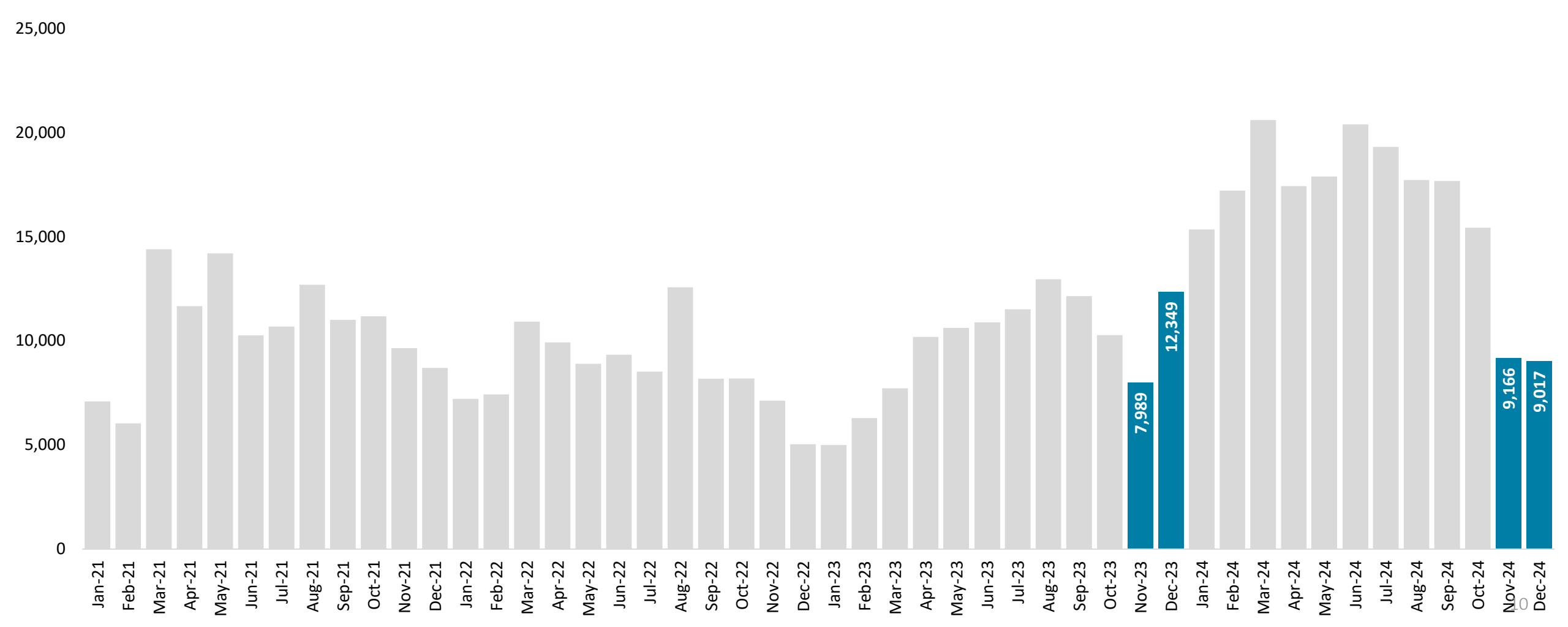
CARRIER JET FLEET MIX

—x— NARROWBODY —■— RJ —●— WIDEBODY



MSP COMPLAINTS

November 2024				December 2024			
COMPLAINTS		LOCATIONS		COMPLAINTS		LOCATIONS	
9,166		197		9,017		176	
Ops per Complaint	New Locations	Average	Median	Ops per Complaint	New Locations	Average	Median
2.9	10	47	4	3.2	13	51	5



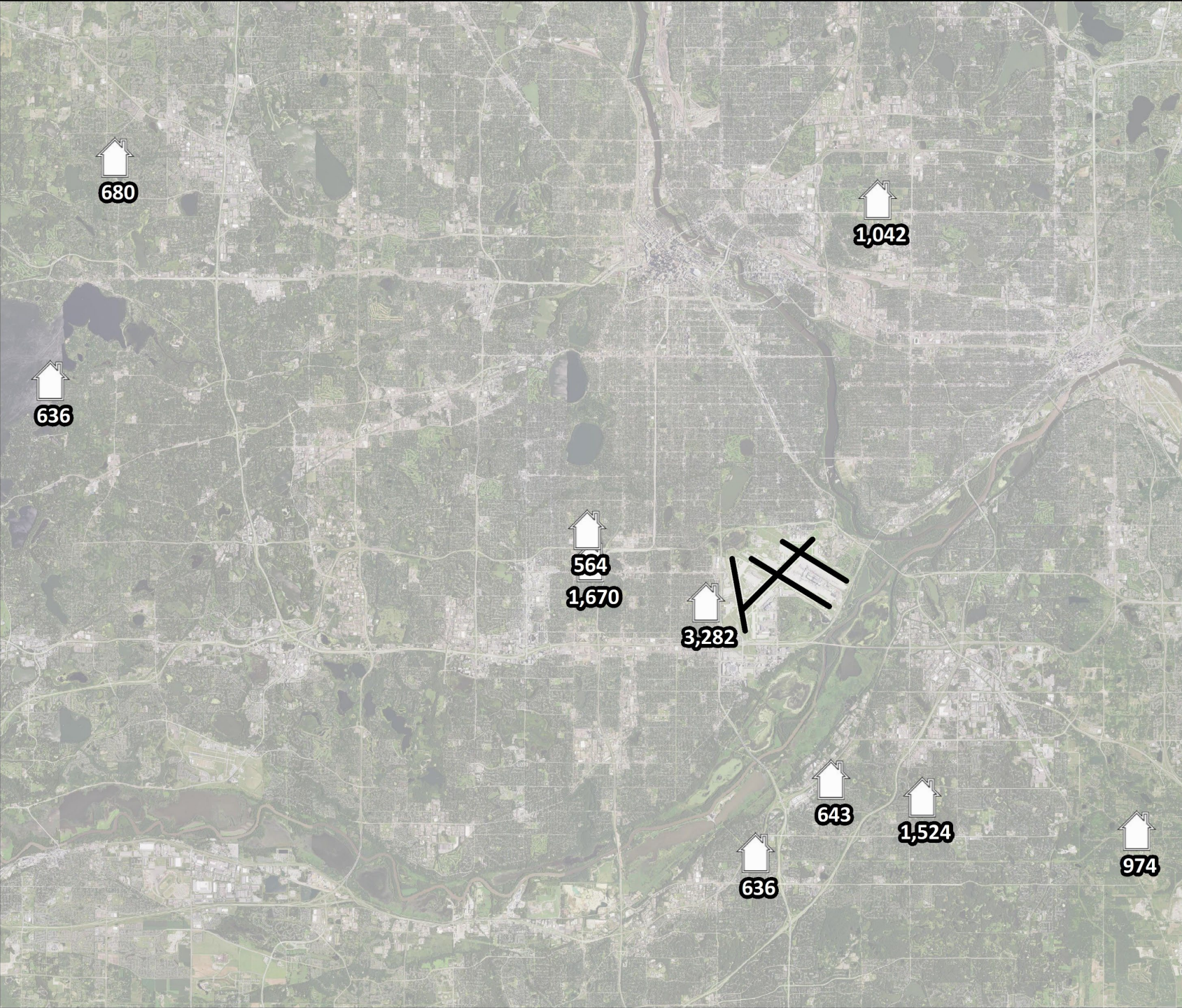
TOTAL COMPLAINTS

18,183
COMPLAINTS

260
HOUSEHOLDS



TOP 10 LOCATIONS



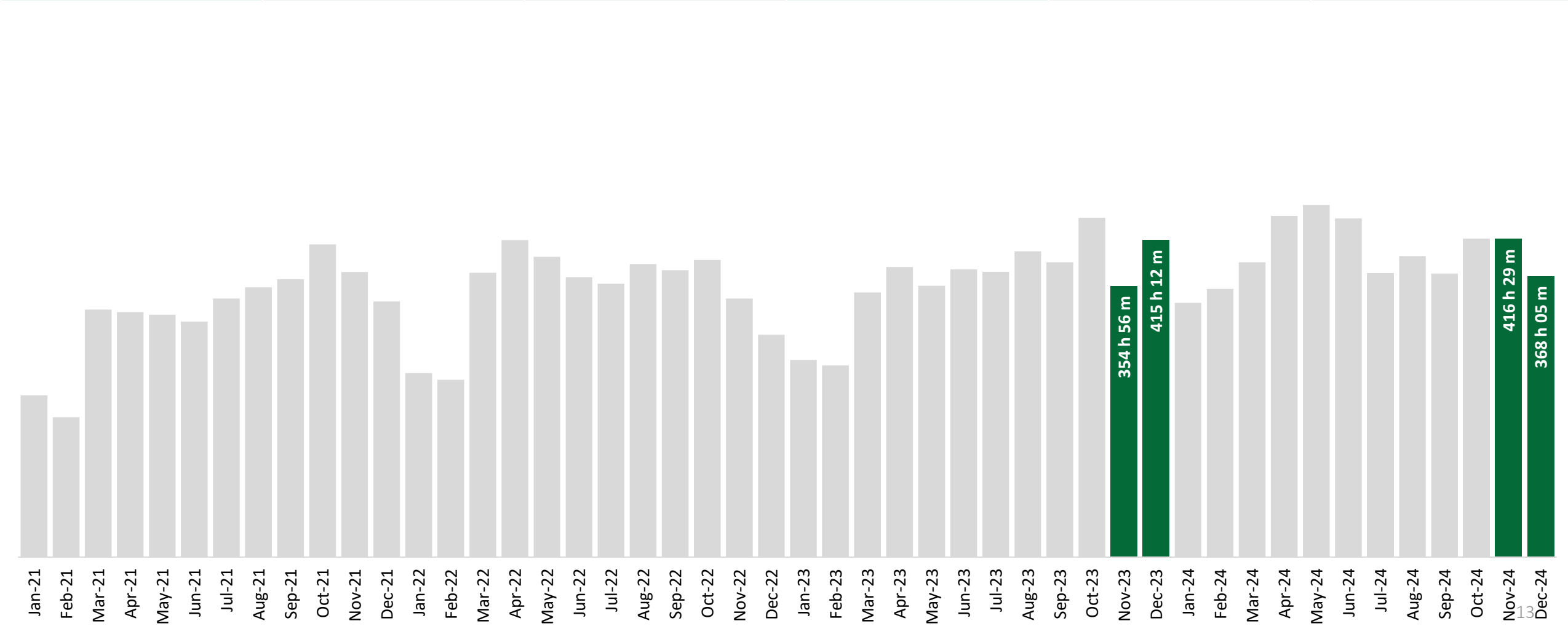
FILED
11,651
(64%)
COMPLAINTS DURING NOV & DEC

7 OF 10
LOCATIONS WERE IN THE TOP 10
FOR SEP – OCT DATA

334
(67%)
LOCATIONS FILED 10 OR FEWER
COMPLAINTS

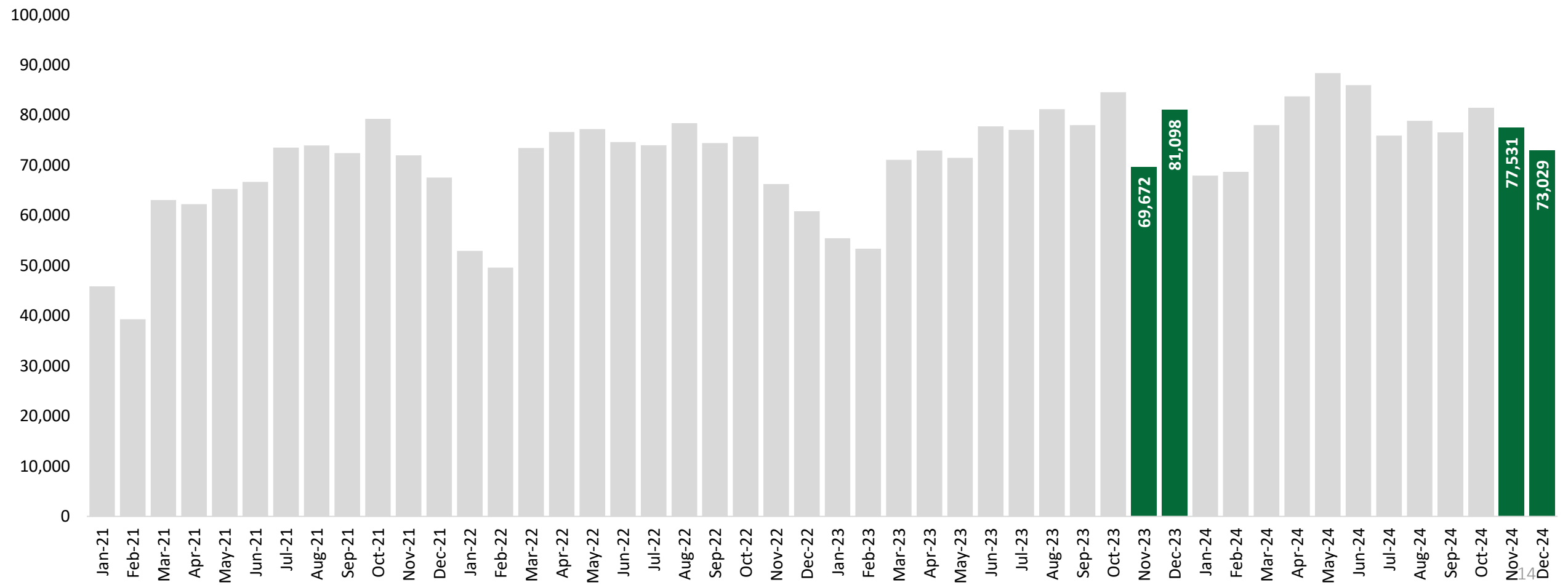
SOUND MONITORING

November 2024			December 2024		
Time Above	56 TA ⁶⁵ Per Operation	416 h 29 m TA ⁶⁵	Time Above	46 TA ⁶⁵ Per Operation	368 h 05 m TA ⁶⁵
Count Above	2.9 N ⁶⁵ Per Operation	77,531 N ⁶⁵	Count Above	2.55 N ⁶⁵ Per Operation	73,029 N ⁶⁵



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Time Above	56 TA ⁶⁵ Per Operation	416 h 29 m TA ⁶⁵	Time Above	46 TA ⁶⁵ Per Operation	368 h 05 m TA ⁶⁵
Count Above	2.9 N ⁶⁵ Per Operation	77,531 N ⁶⁵	Count Above	2.55 N ⁶⁵ Per Operation	73,029 N ⁶⁵



NOISE ABATEMENT

November 2024

Runway 17 **98.8%**

EMH Corridor **94.2%**

Cross Day **24.7%**

Cross Night **35.1%**

December 2024

Runway 17 **97.8%**

EMH Corridor **94.6%**

Cross Day **31.0%**

Cross Night **43.1%**

RUS

53.0%

Arrive - 57%

Depart - 49%

RUS

54.5%

Arrive - 55%

Depart - 54%

ITEM 2

PUBLIC COMMENT PERIOD



NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025

ITEM 2

PUBLIC COMMENT PERIOD

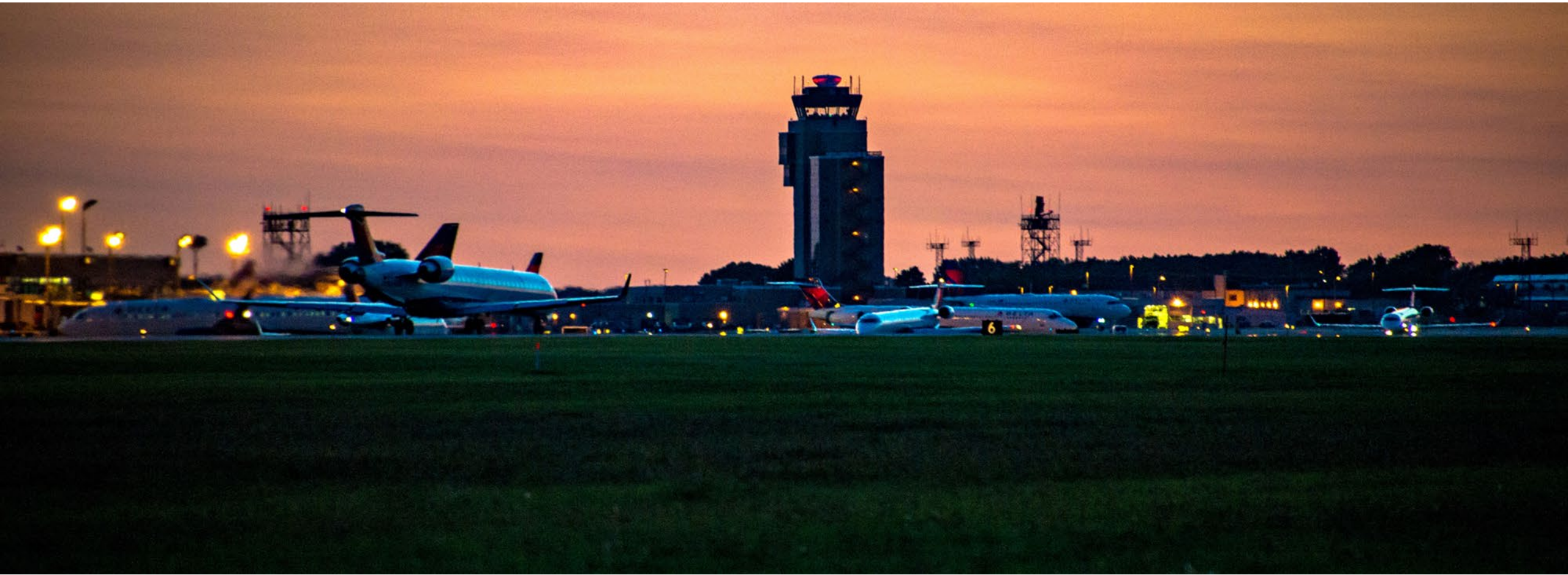
Speaking at a Meeting

- 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.
- No response from the NOC is provided during the comment period.
- Comments are noted, and MAC staff are available following the meeting to answer questions or contact information can be provided for follow up discussion.
- Use of profanity, personal attacks, or threats of violence will not be tolerated.



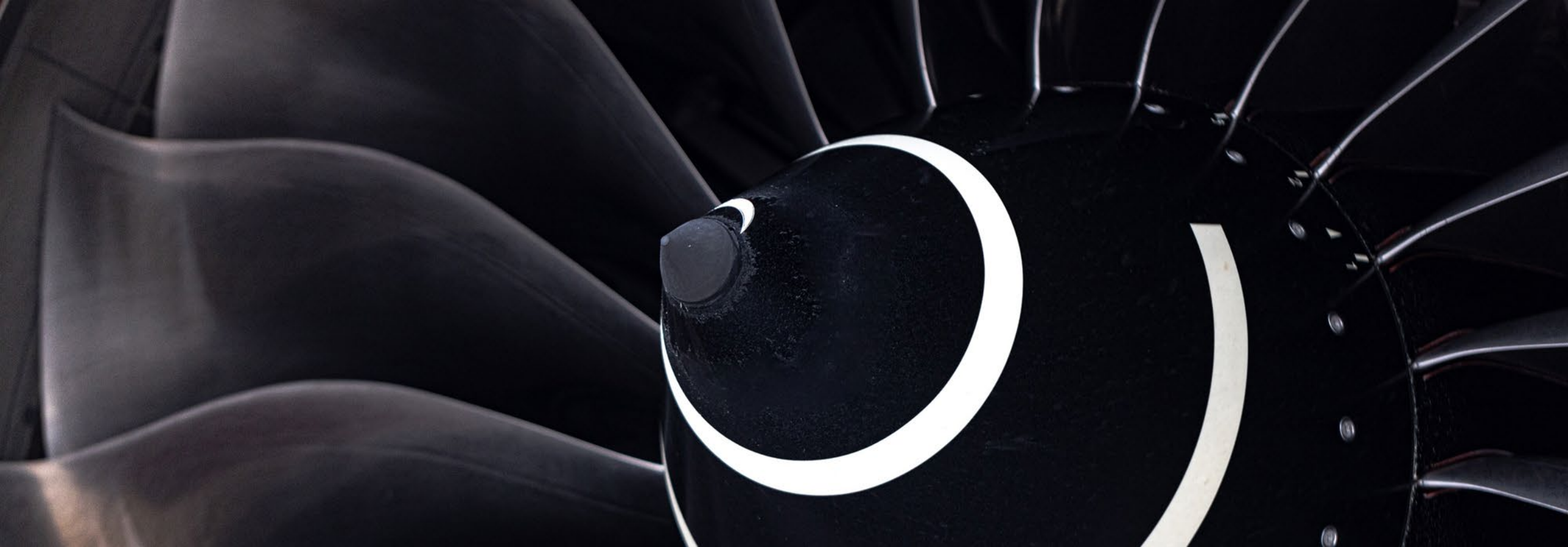
NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025

4.1 – FAA UPDATE ON MSP VOR MON AND RNAV PROCEDURE DEVELOPMENT



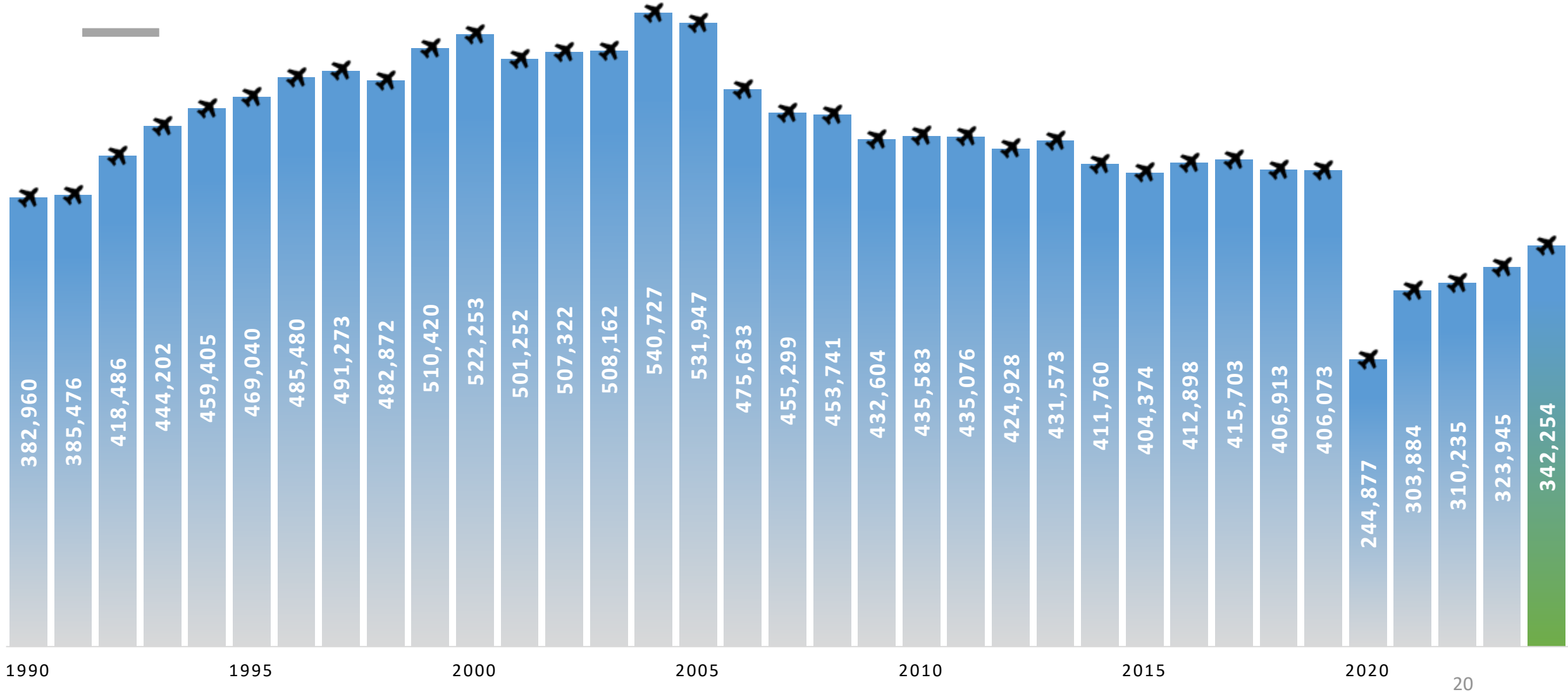
NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025

4.2 – 2024 FLEET MIX AND NIGHTTIME OPERATIONS ASSESSMENT



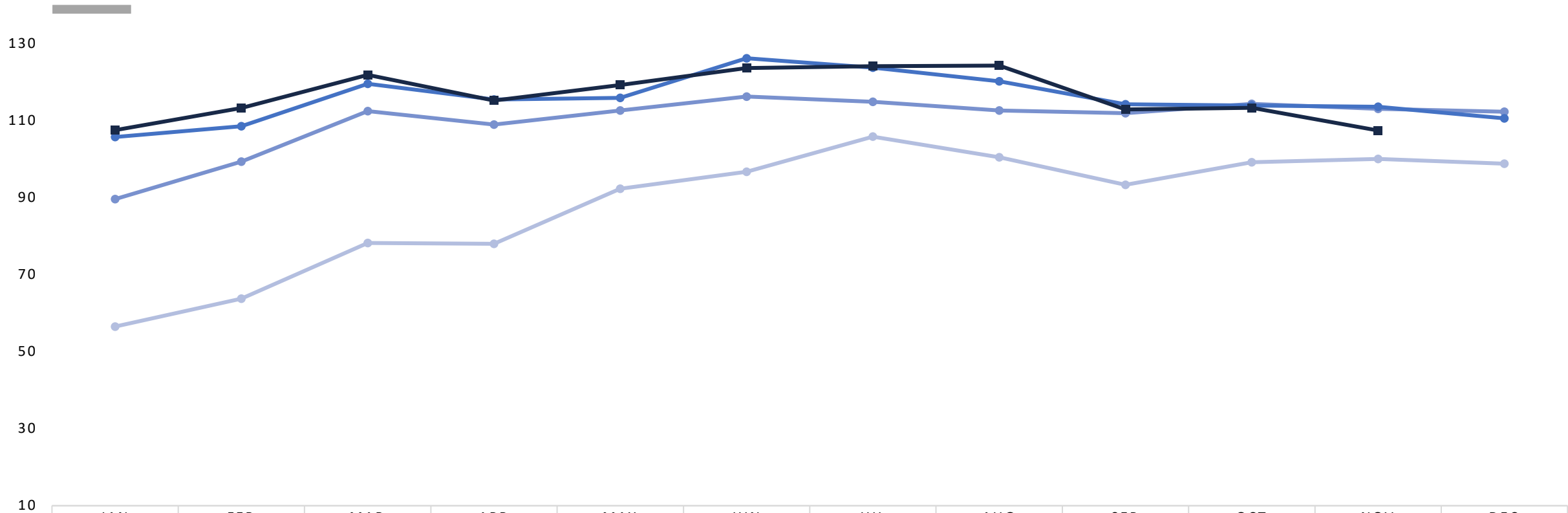
**NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025**

MSP Operations *(FAA Opsnet)*



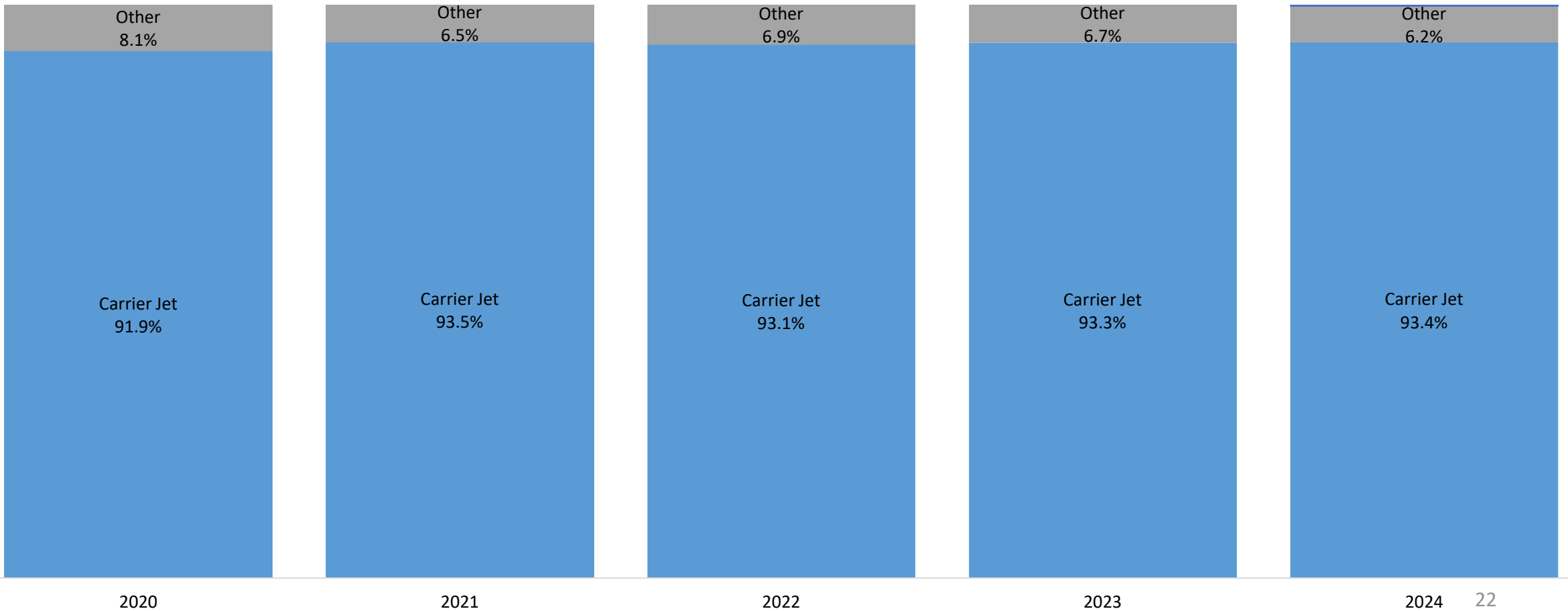
Source: FAA Opsnet data.

MSP Passengers Per Flight

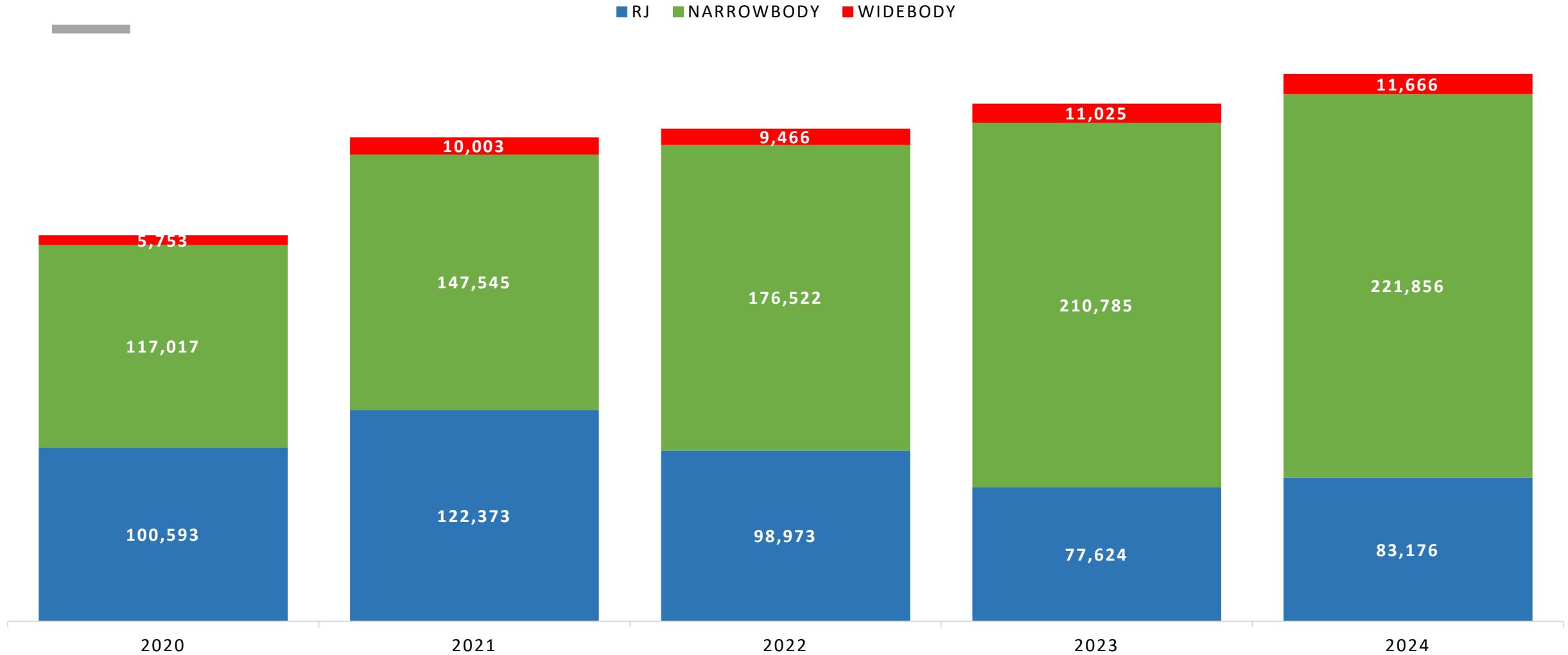


	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2021	56.5	63.8	78.2	78.0	92.3	96.7	105.8	100.5	93.4	99.2	100.1	98.9
2022	89.6	99.4	112.5	109.0	112.6	116.3	114.9	112.7	111.9	114.4	113.1	112.3
2023	105.8	108.5	119.6	115.5	115.9	126.2	123.8	120.2	114.3	113.9	113.6	110.6
2024	107.5	113.3	121.9	115.2	119.2	123.7	124.1	124.3	112.9	113.3	107.4	

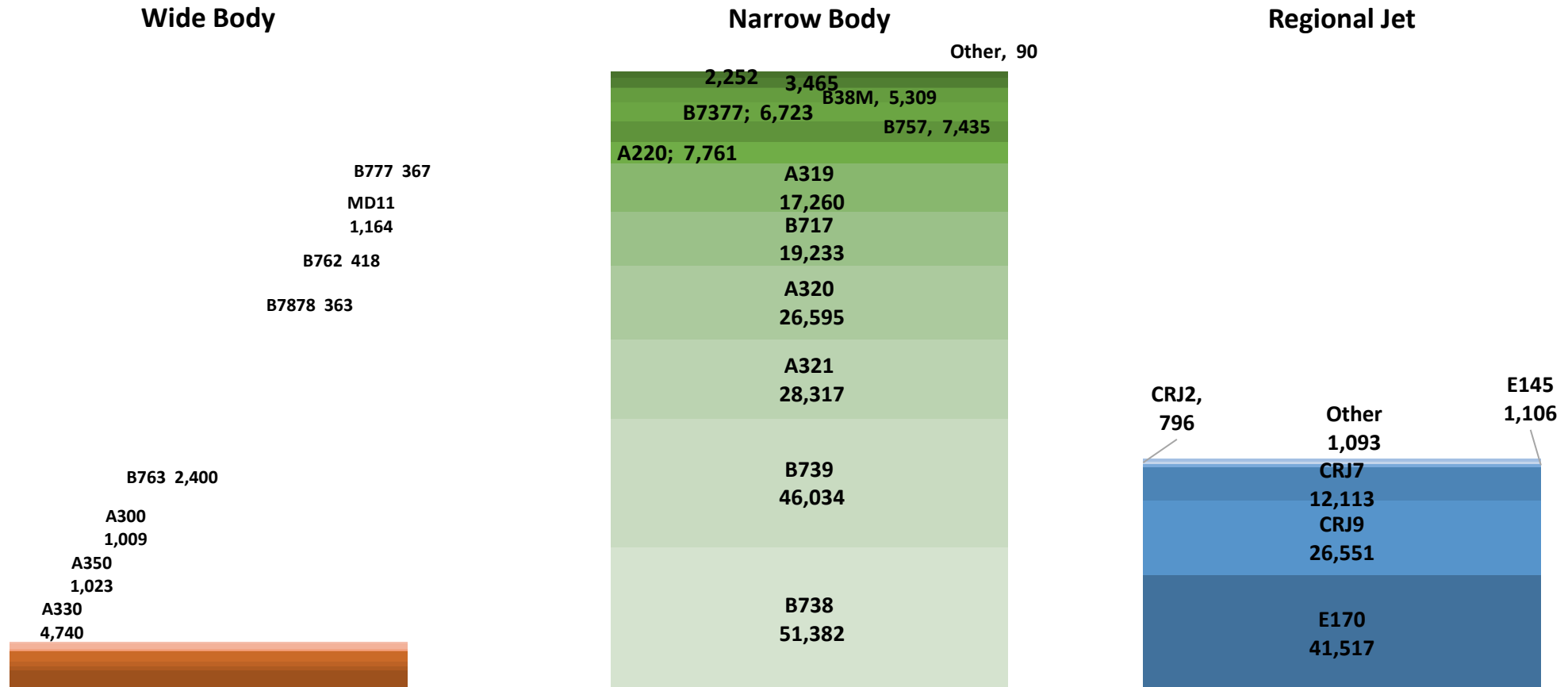
MSP Operational Fleet Mix



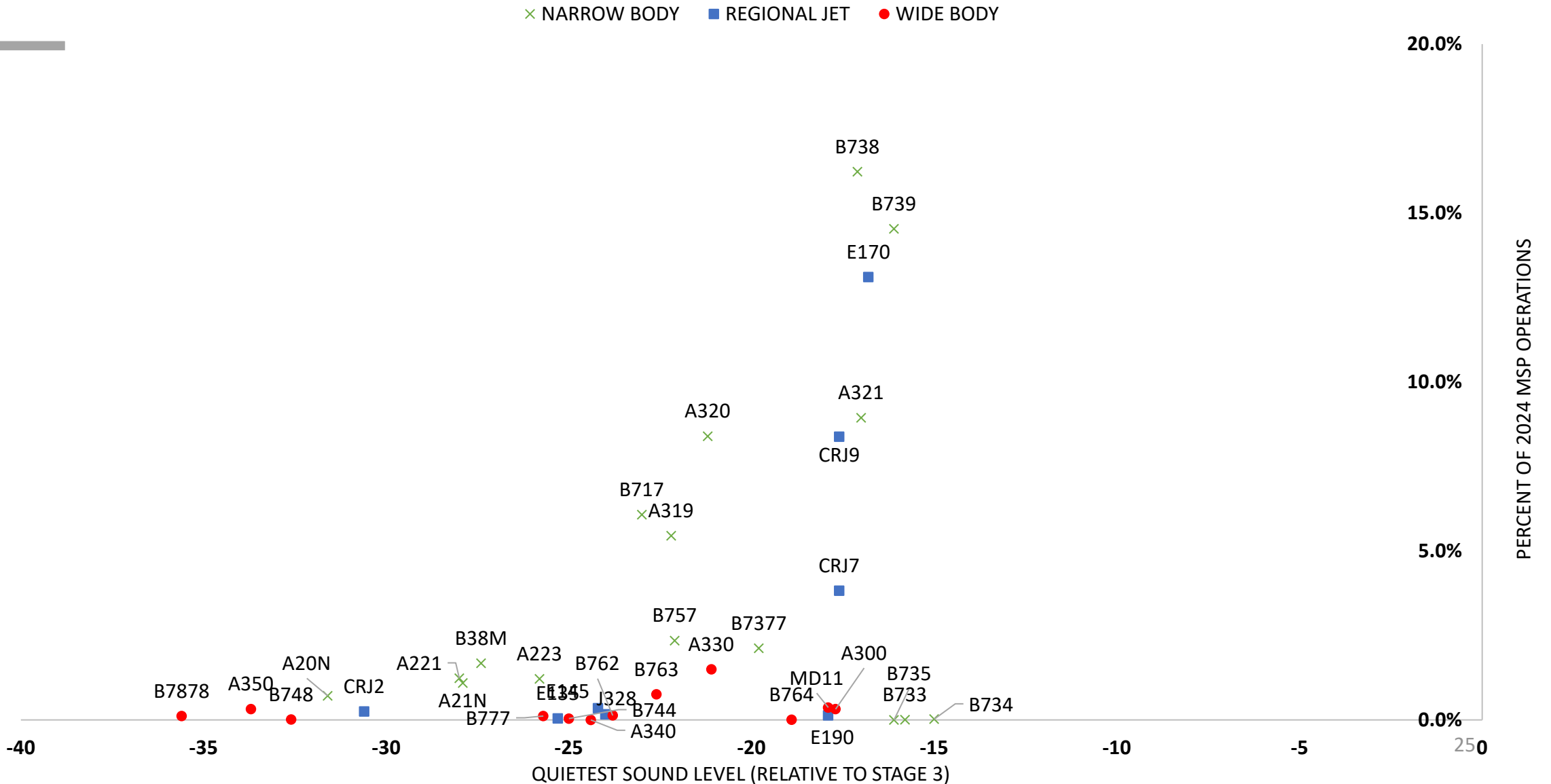
MSP Operations Fleet Mix



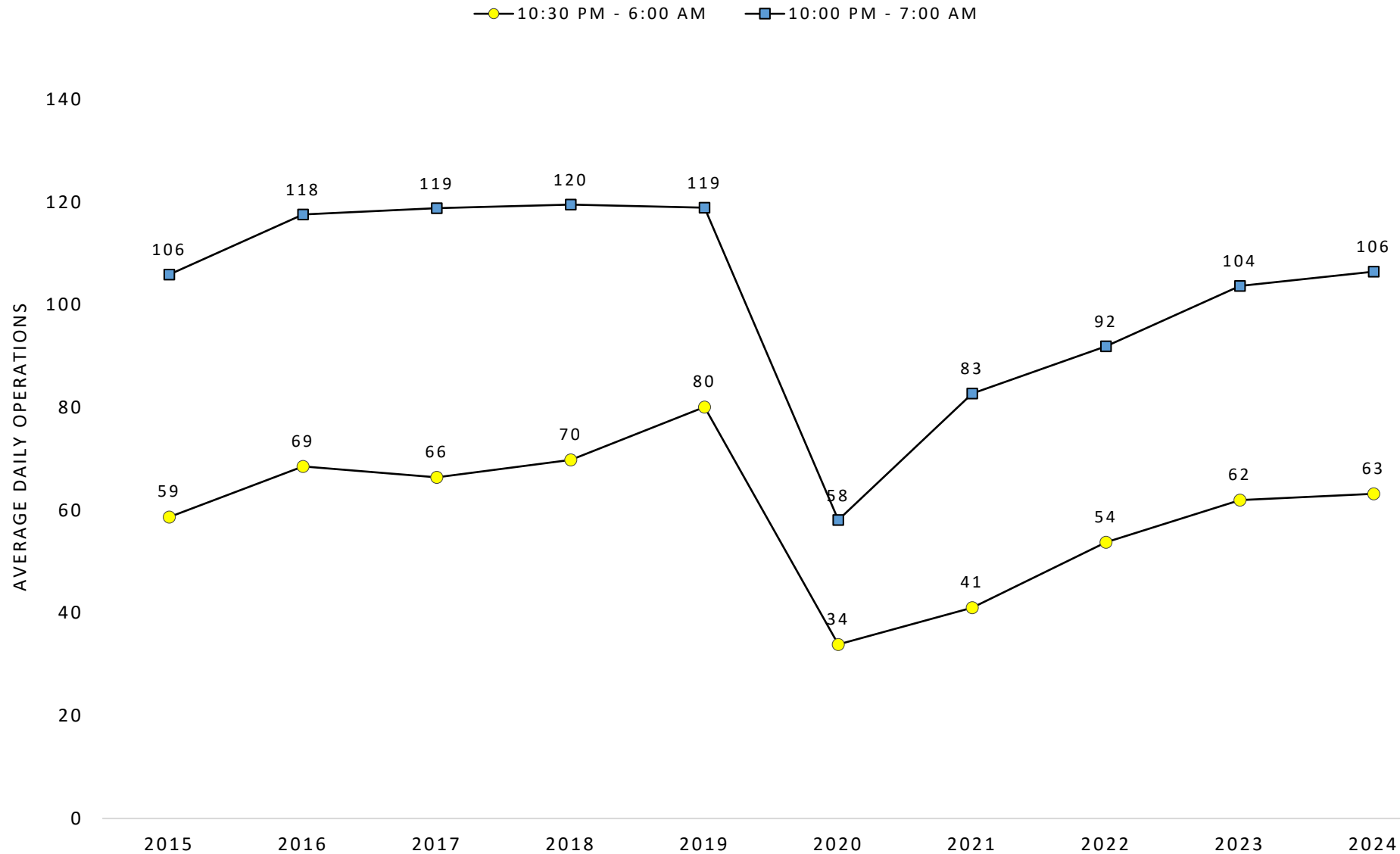
MSP Operations Fleet Mix



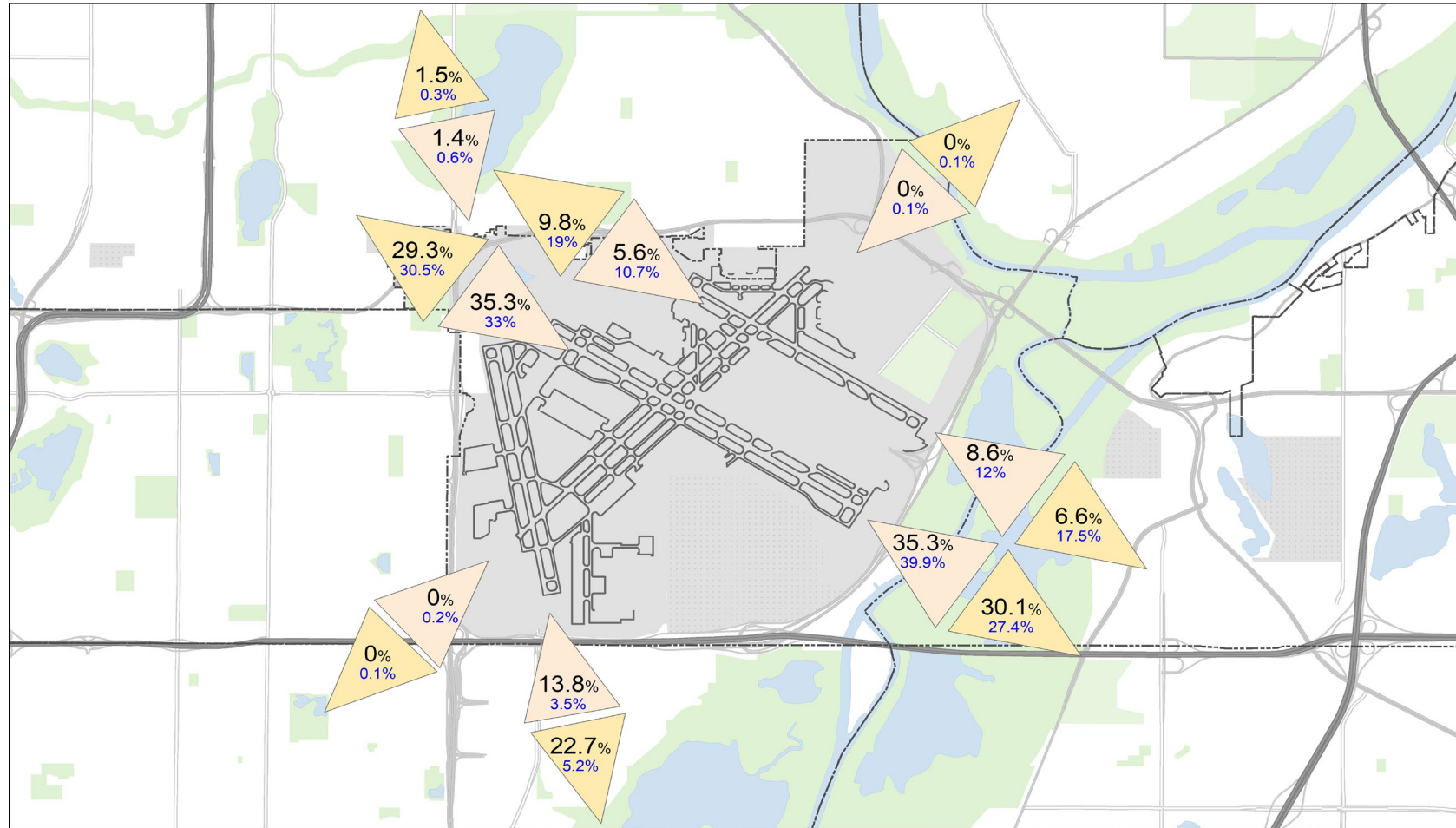
2024 MSP CARRIER JET USAGE WITH CUMULATIVE CERTIFICATED NOISE LEVELS



Average Daily Nighttime Operations



Nighttime Runway Use



Nighttime Operations by Airline and Aircraft

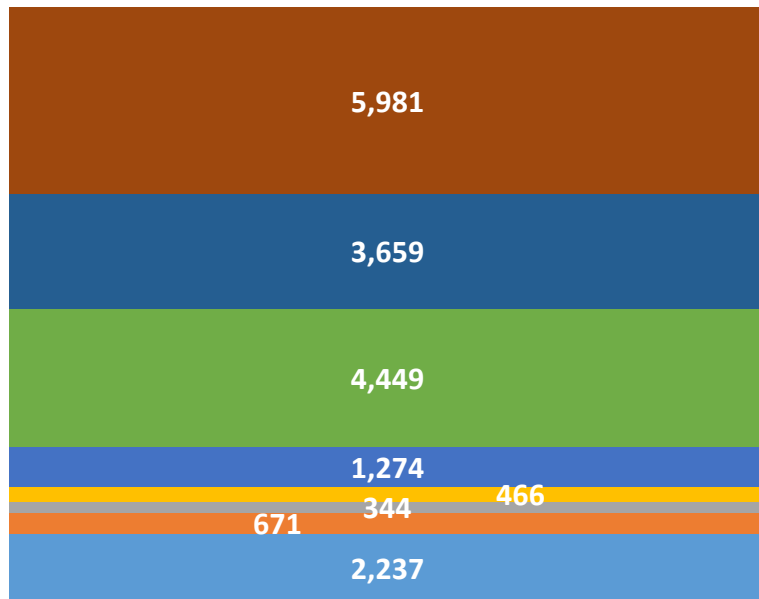
AIRLINE	ID	COUNT	PERCENT OF AIRLINE OPERATIONS' OCCURRING AT NIGHT	PERCENT OF CONTRIBUTION TO NIGHTTIME TOTAL
DELTA	DAL	7,758	5.1%	35.0%
SUN COUNTRY	SCX	4,909	15.6%	22.1%
SOUTHWEST	SWA	1,826	12.5%	8.2%
AMERICAN	AAL	1,722	18.6%	7.8%
UNITED	UAL	1,663	15.8%	7.5%
SKYWEST AIRLINES	SKW	1,462	2.8%	6.6%
UPS	UPS	676	28.1%	3.0%
FRONTIER AIRLINES	FFT	479	14.2%	2.2%
FEDEX	FDX	443	21.2%	2.0%
GULF & CARIBBEAN CARGO	TSU	373	97.9%	1.7%
SPIRIT	NKS	345	14.8%	1.6%
ALASKA	ASA	246	16.7%	1.1%
ENDEAVOR AIR	EDV	157	1.0%	0.7%
PSA AIRLINES	JIA	64	4.8%	0.3%
	CSB	45	12.9%	0.2%

AIRCRAFT CODE	DESCRIPTION	COUNT	NOISE LEVEL CERTIFICATION (EPNdB BELOW STAGE 3)
B738	BOEING 737-800	7,683	11.3 - 17.1
B739	BOEING 737-900	2,869	10.9 - 16.1
A321	AIRBUS INDUSTRIES A321	2,717	6.4 - 17
A320	AIRBUS INDUSTRIES A320	1,767	12.1 - 21.2
E170	EMBRAER 170	1,276	9.2 - 16.8
B757	BOEING 757-200	1,160	11.1 - 22.1
A319	AIRBUS INDUSTRIES A319	883	12.9 - 22.2
B38M	BOEING 737-8 MAX	699	24.3 - 27.4
B7377	BOEING 737-700	676	11.6 - 19.8
B763	BOEING 767-300	570	4.4 - 22.6
CRJ2	CANADAIR REGIONAL JET CRJ-200	396	26.5 - 30.6
CRJ9	CANADAIR REGIONAL JET CRJ-900	343	14.5 - 17.6
B717	BOEING 717	333	19.2 - 23
MD11	MCDONNELL DOUGLAS MD11	271	12.8 - 17.9
A300	AIRBUS INDUSTRIES A300	241	4.3 - 17.7

Nighttime Operations by Hour

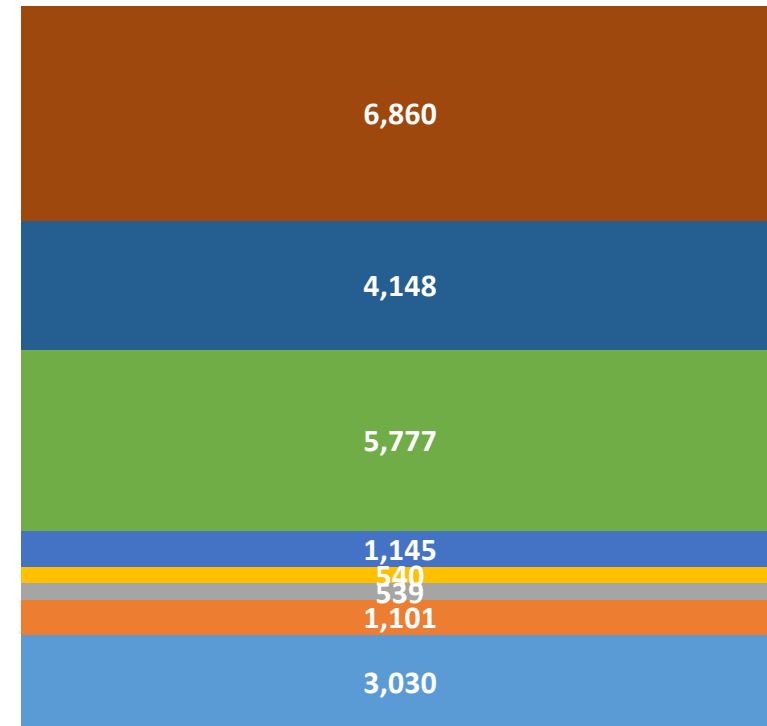
3-YEAR HISTORICAL AVERAGE

0:00 1:00 2:00 3:00 4:00 5:00 22:30 23:00



2024

0:00 1:00 2:00 3:00 4:00 5:00 22:30 23:00

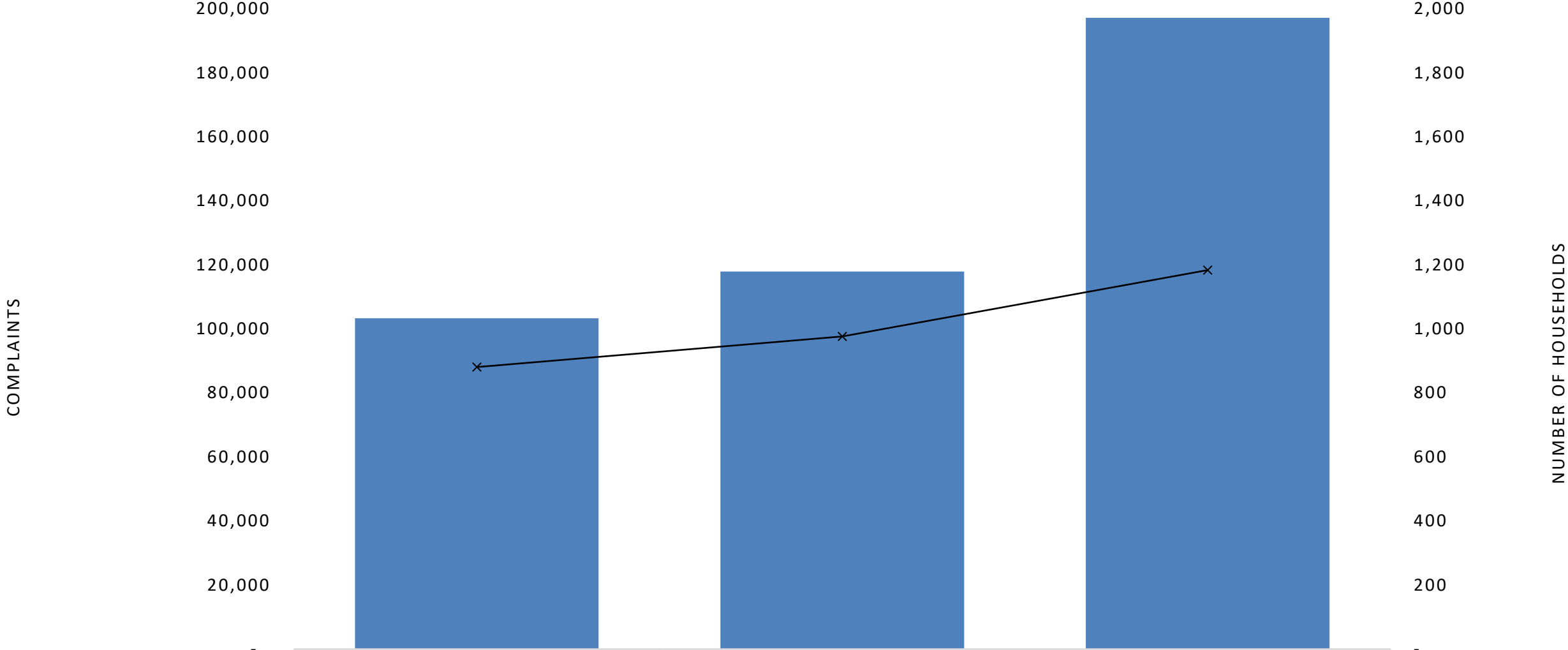


4.3 – 2024 COMPLAINT DATA ASSESSMENT



**NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025**

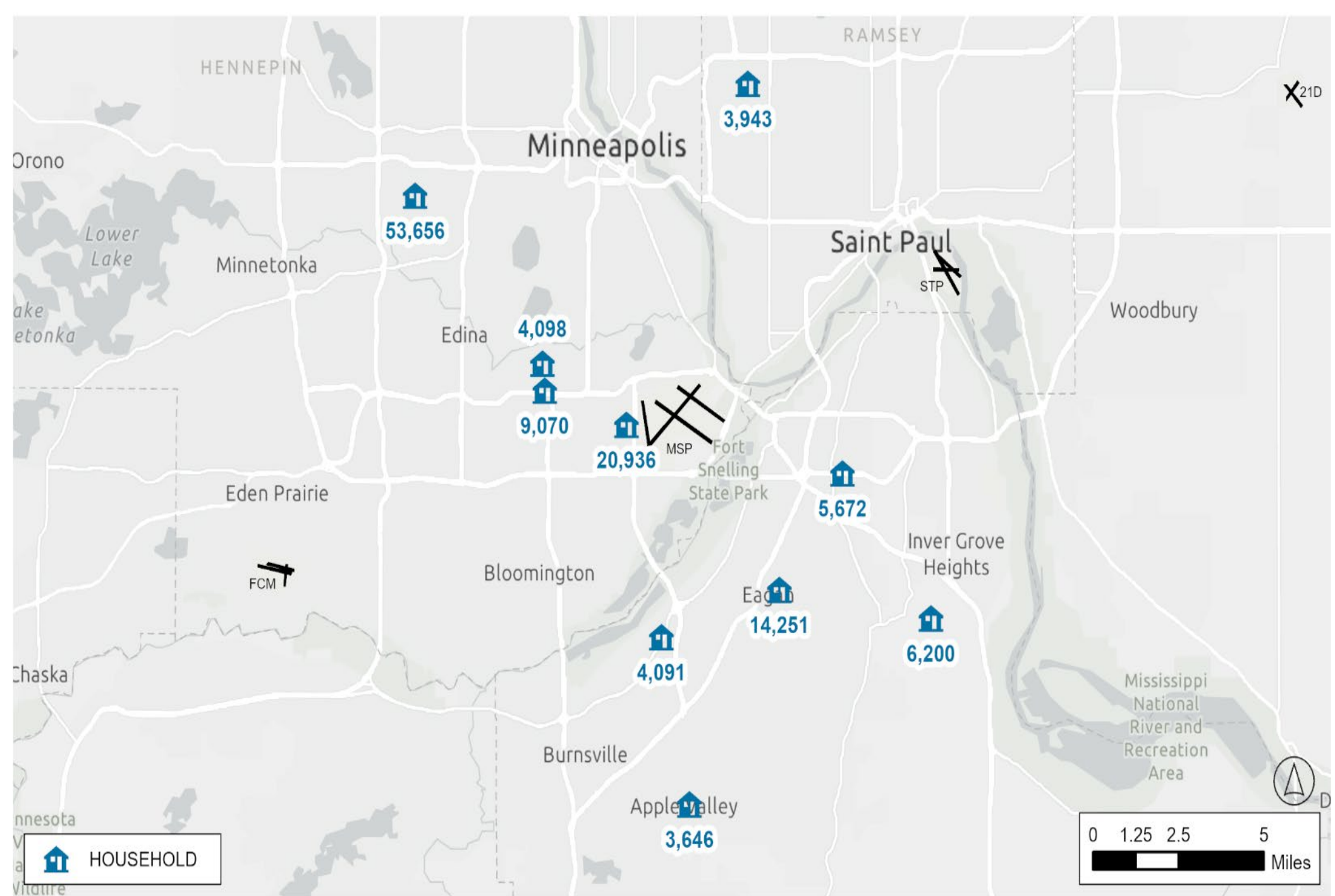
Total Households and Total Complaints 2022-2024



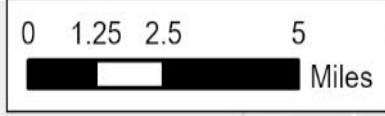
	2022	2023	2024
COMPLAINTS	103,356	117,924	197,190
HOUSEHOLDS	881	977	1,184



Top 10 Households Filing Complaints

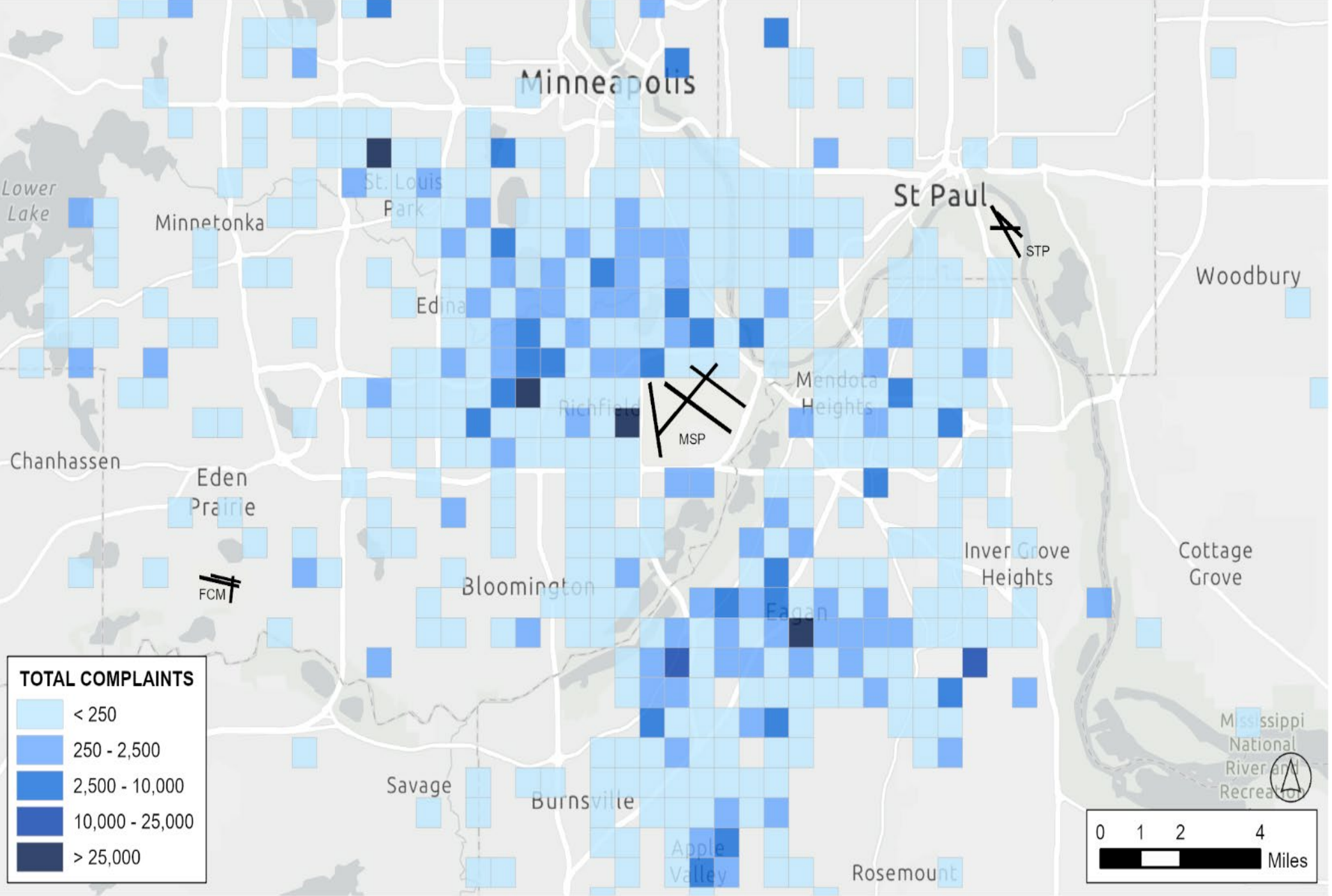


 HOUSEHOLD



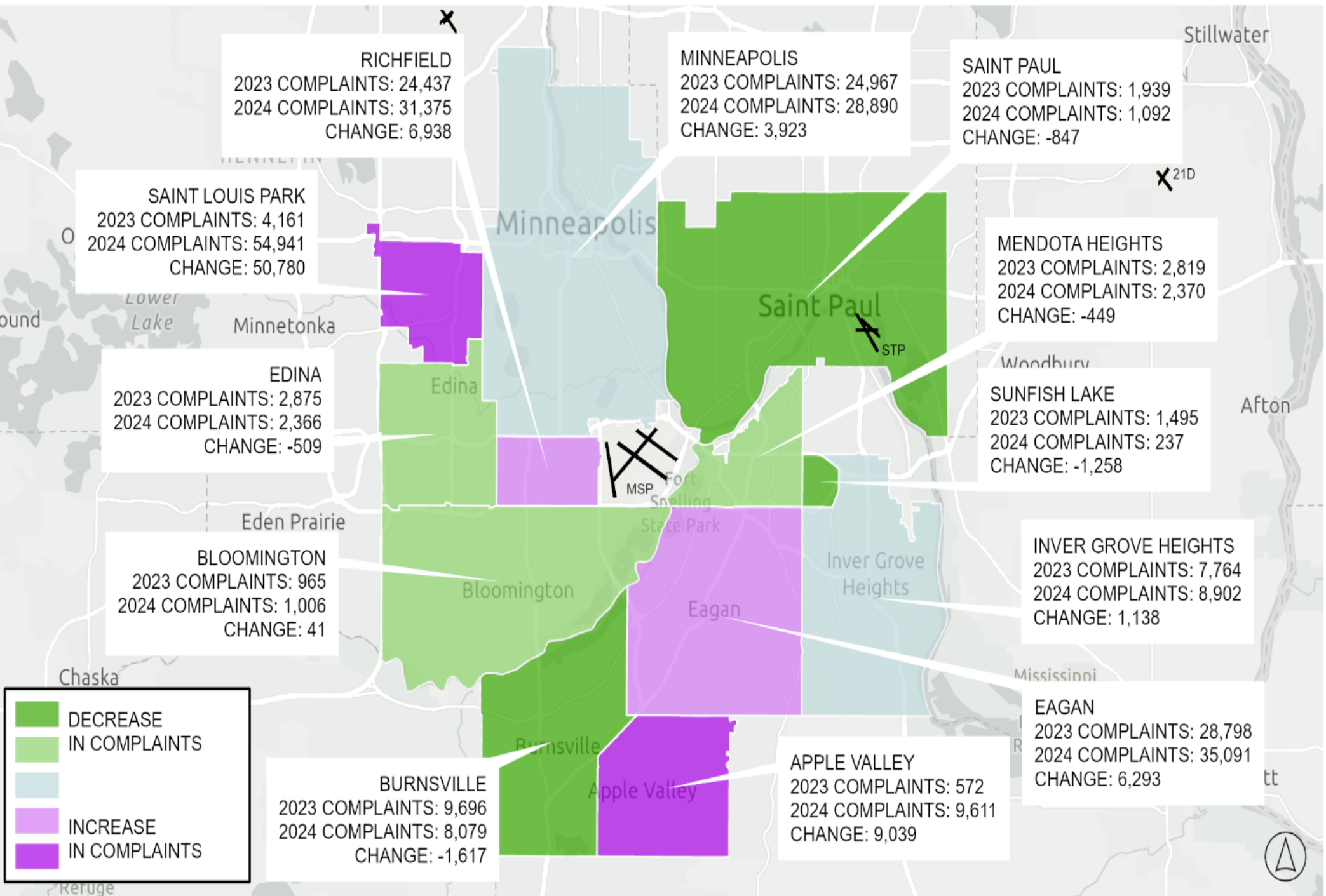


2022-2024 Total Complaints



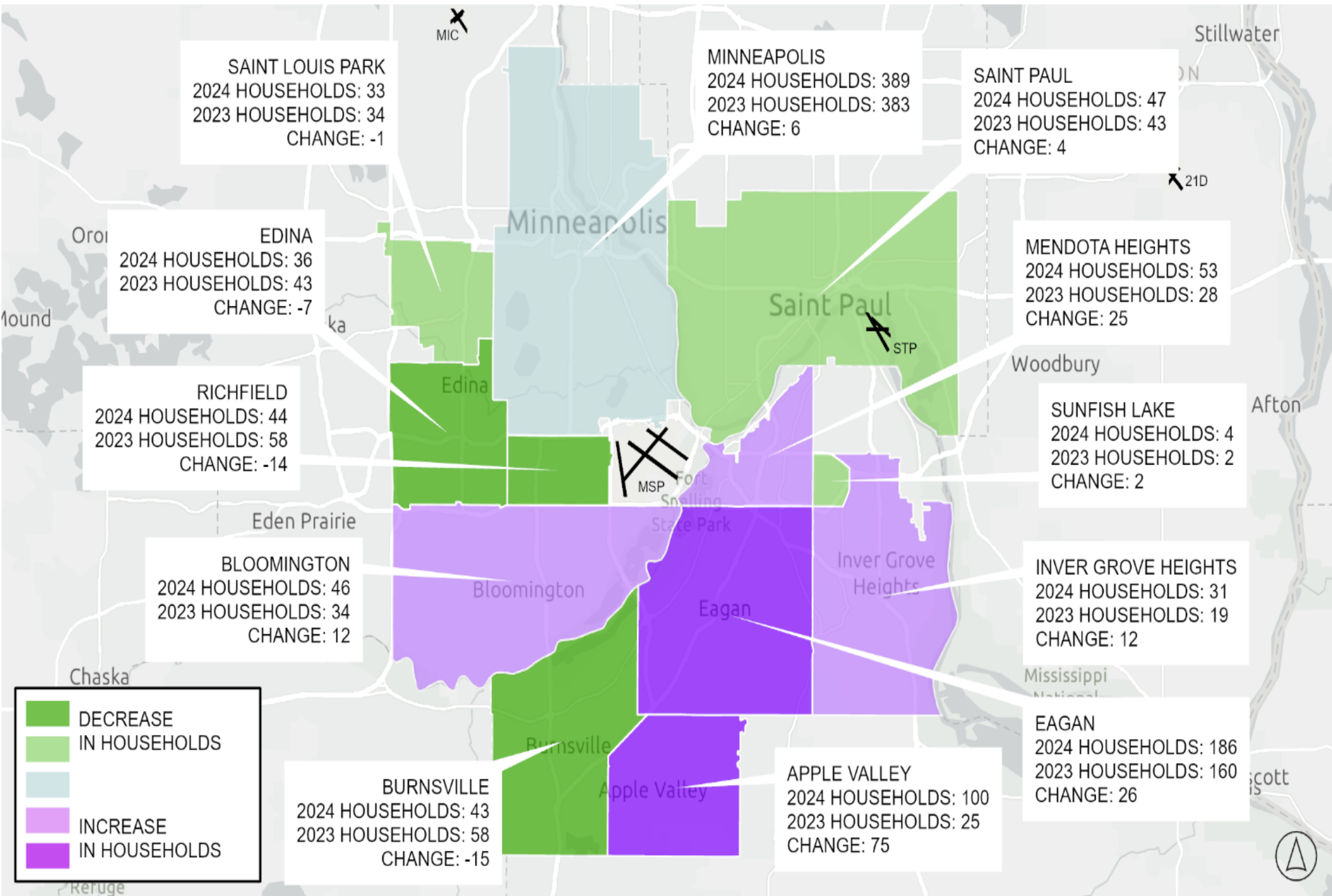


2023 – 2024 Comparison - Complaints By City



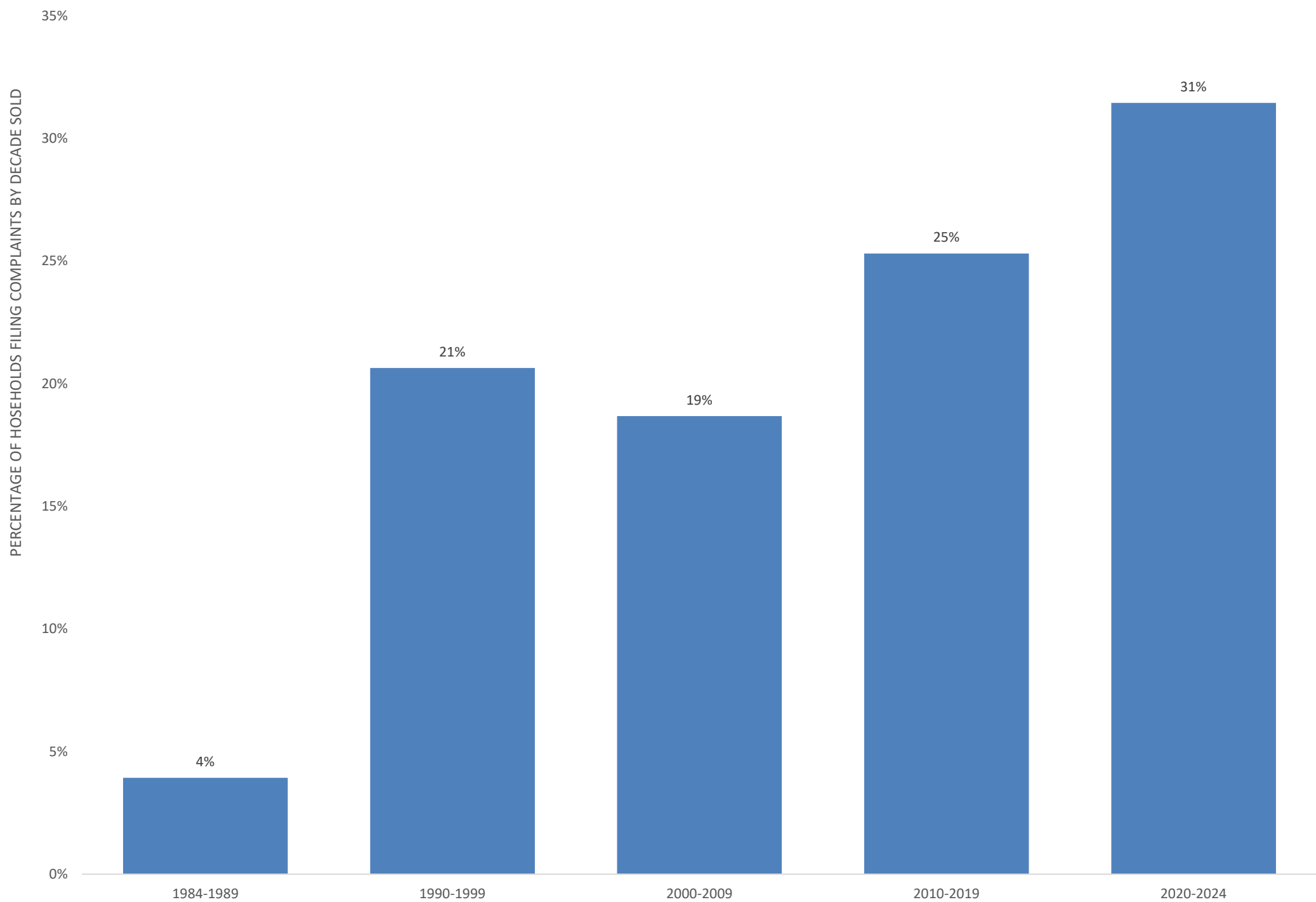


2023 – 2024 Comparison – Households Filing By City



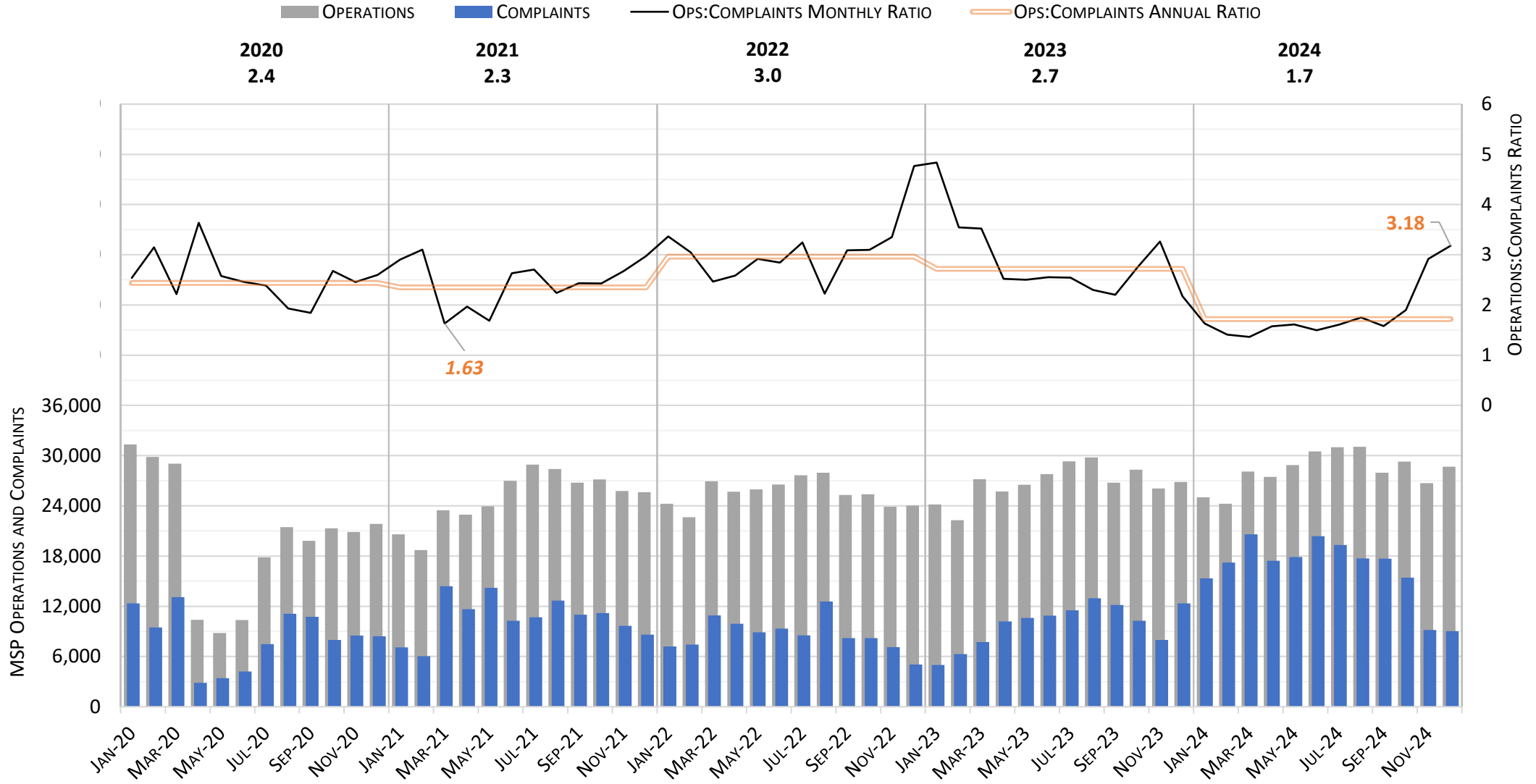


2024 Households Filing Complaints by Home Purchase Year



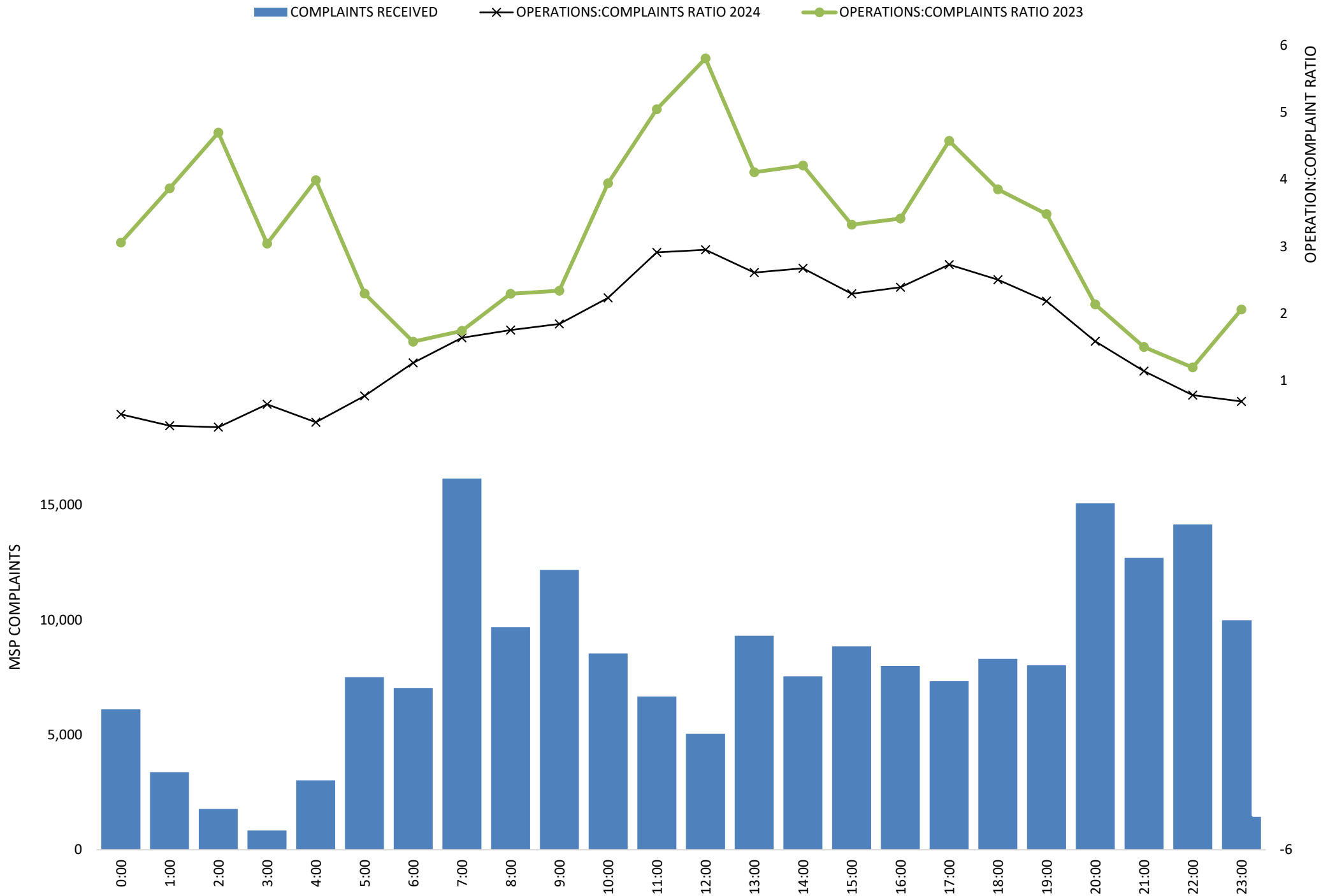


2020-2024 Operations to Complaints Ratio





2024 Complaints to Operations Ratio by Hour



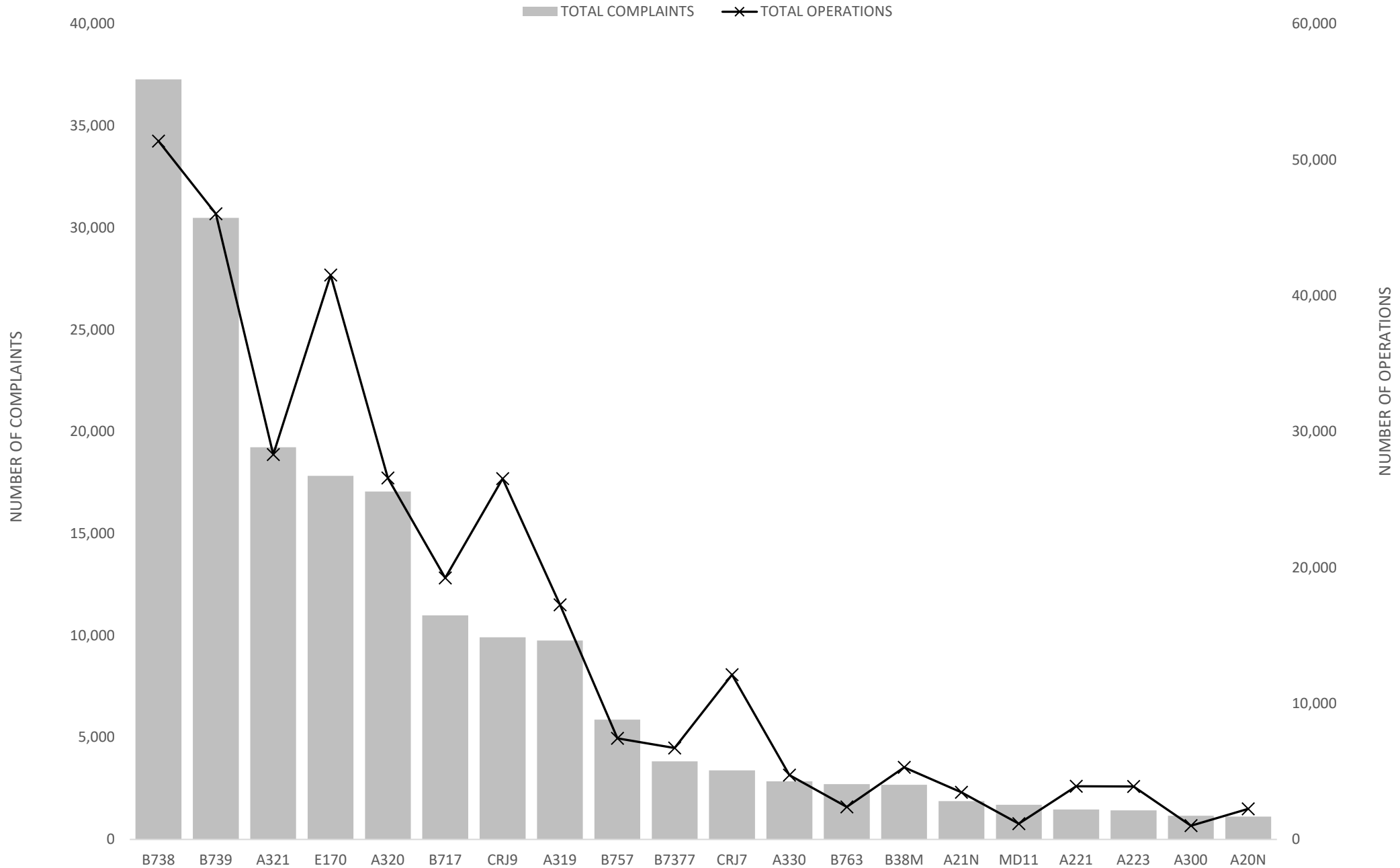


Operation Type	Total Operations	Total Complaints	Ratio
Commercial Jet (C)	316,698	186,040	1.7
Jet (J)	11,882	3,431	3.5
Turboprop (T)	6,365	1,697	3.8
Propeller (P)	1,752	718	2.4
Military (M)	838	328	2.6
Unknown (U)	1,347	96	14.0
Helicopter (H)	47	13	3.6



2024
Complaints By
Aircraft Category

2024 Complaints By Aircraft Type



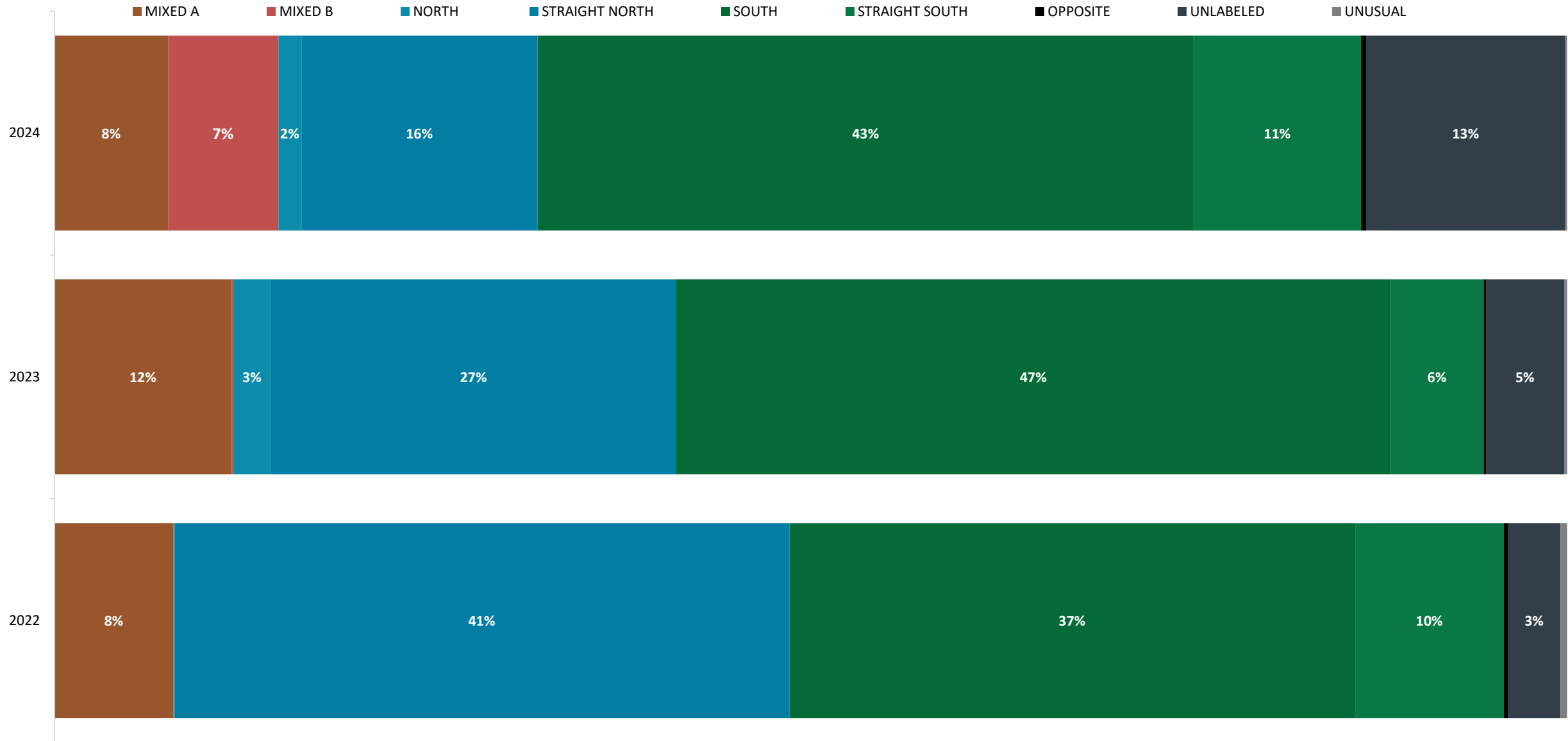


Date and Time	Aircraft Type	Flight ID	Operation Type	Number of Complaints	Number of Households
5/1/2024 22:01	A319	DAL2606	Departure	15	8
12/14/2024 7:01	B738	SCX527	Go Around	13	7
9/26/2024 23:09	A321	DAL1327	Departure	11	8
4/2/2024 21:39	MD11	FDX1358	Departure	10	6
9/24/2024 22:01	B712	DAL2846	Departure	9	7
1/31/2024 12:29	A319	UAL450	Departure	8	8
6/8/2024 13:47	A320	DAL1533	Departure	8	7
6/7/2024 21:49	MD11	FDX1358	Departure	8	7
3/14/2024 21:28	A321	DAL1441	Departure	8	6
1/26/2024 8:08	B738	DAL1935	Departure	8	6

2024
Top 10 Flights
That Generated
Complaints

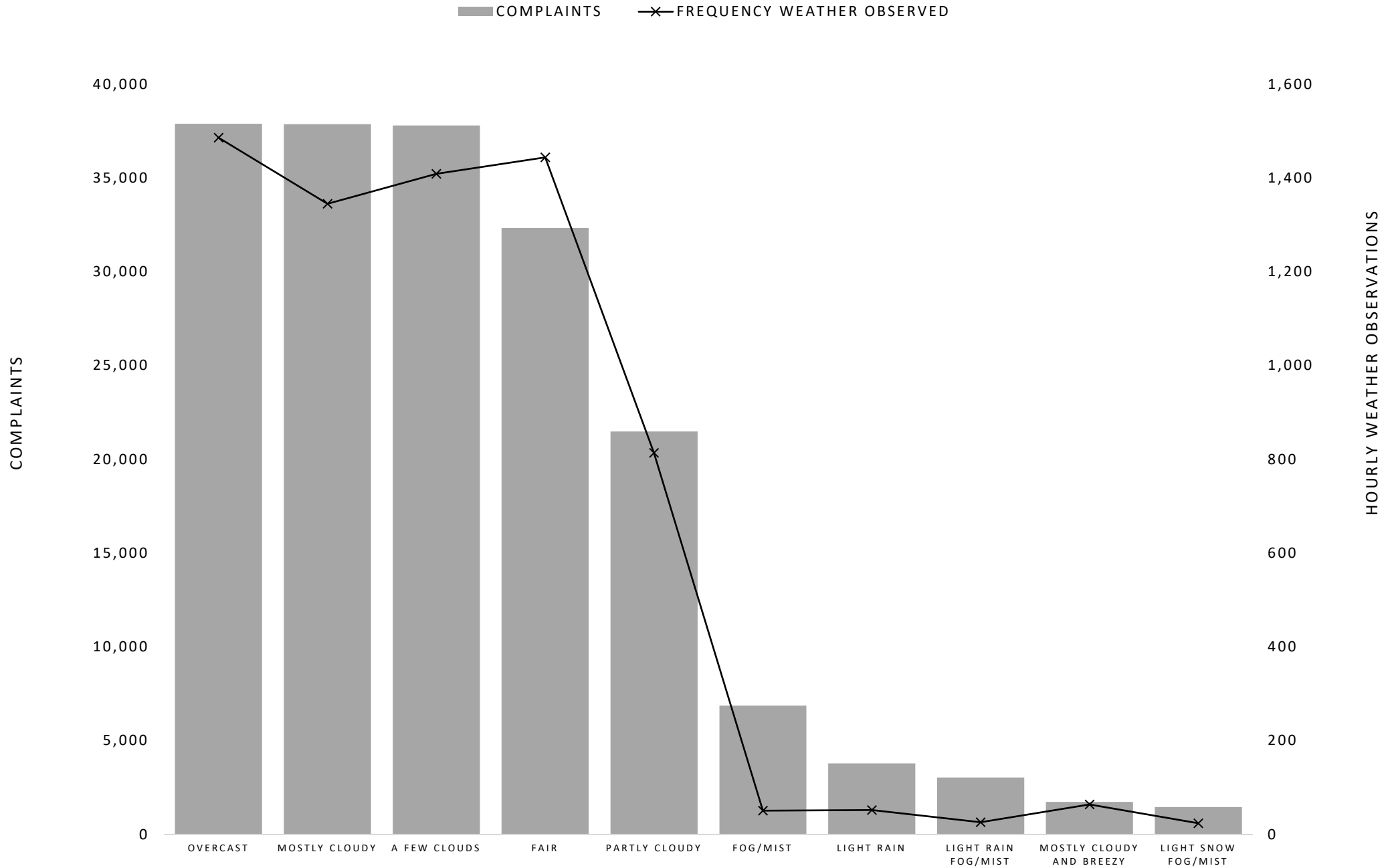


2022 - 2024 Complaints By Flow





2024 Complaints By Weather



5 – ANNOUNCEMENTS



**NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025**

ITEM 5

ANNOUNCEMENTS

NOC Winter Listening Session

Wed, Jan 29, 2025 @ 6 PM

Location: MAC General Office Building

Mar NOC Meeting

Wed, Mar 19, 2025 @ 1:30 PM

Location: MAC General Office Building



NOISE OVERSIGHT COMMITTEE
JANUARY 22, 2025