



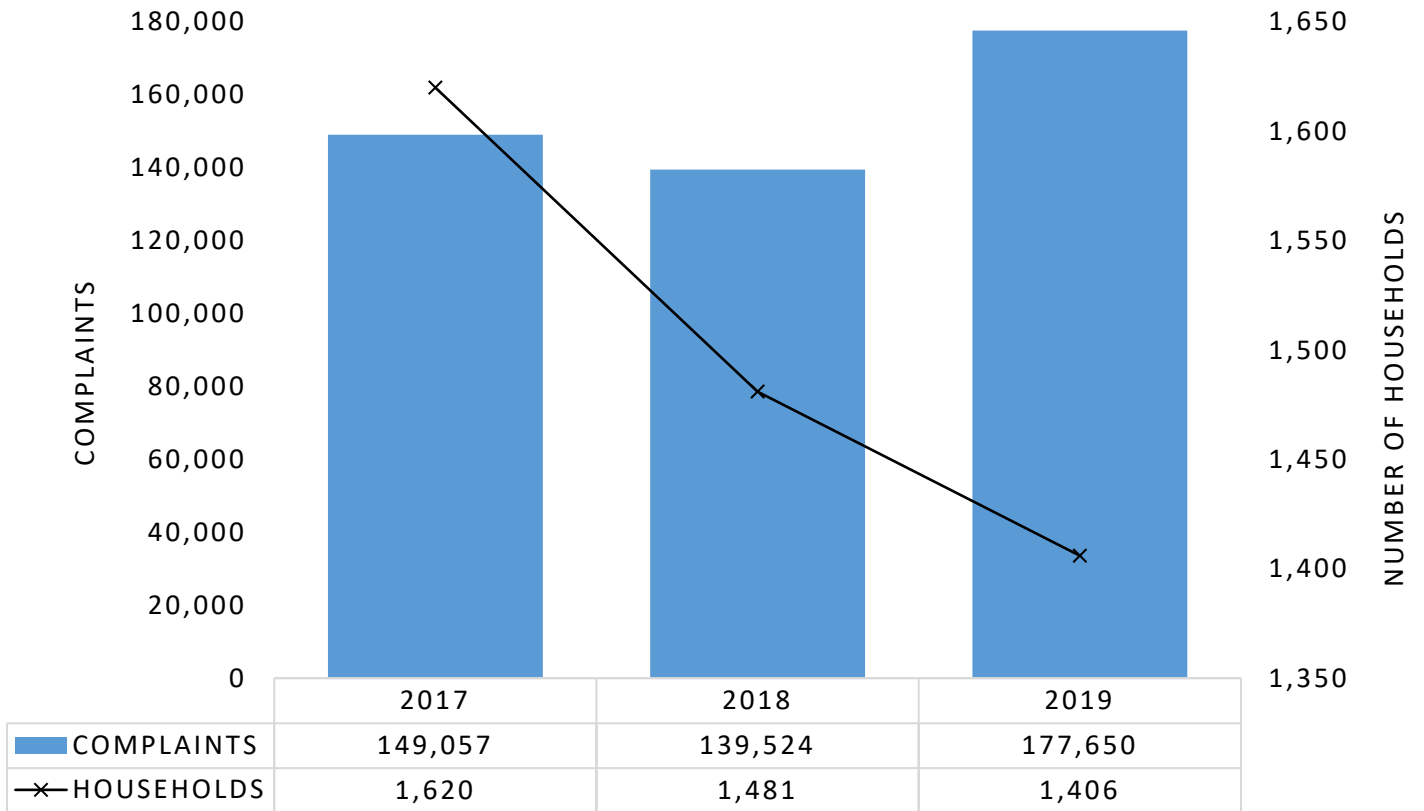
MSP COMPLAINT DATA ASESMENT

MARCH 2020

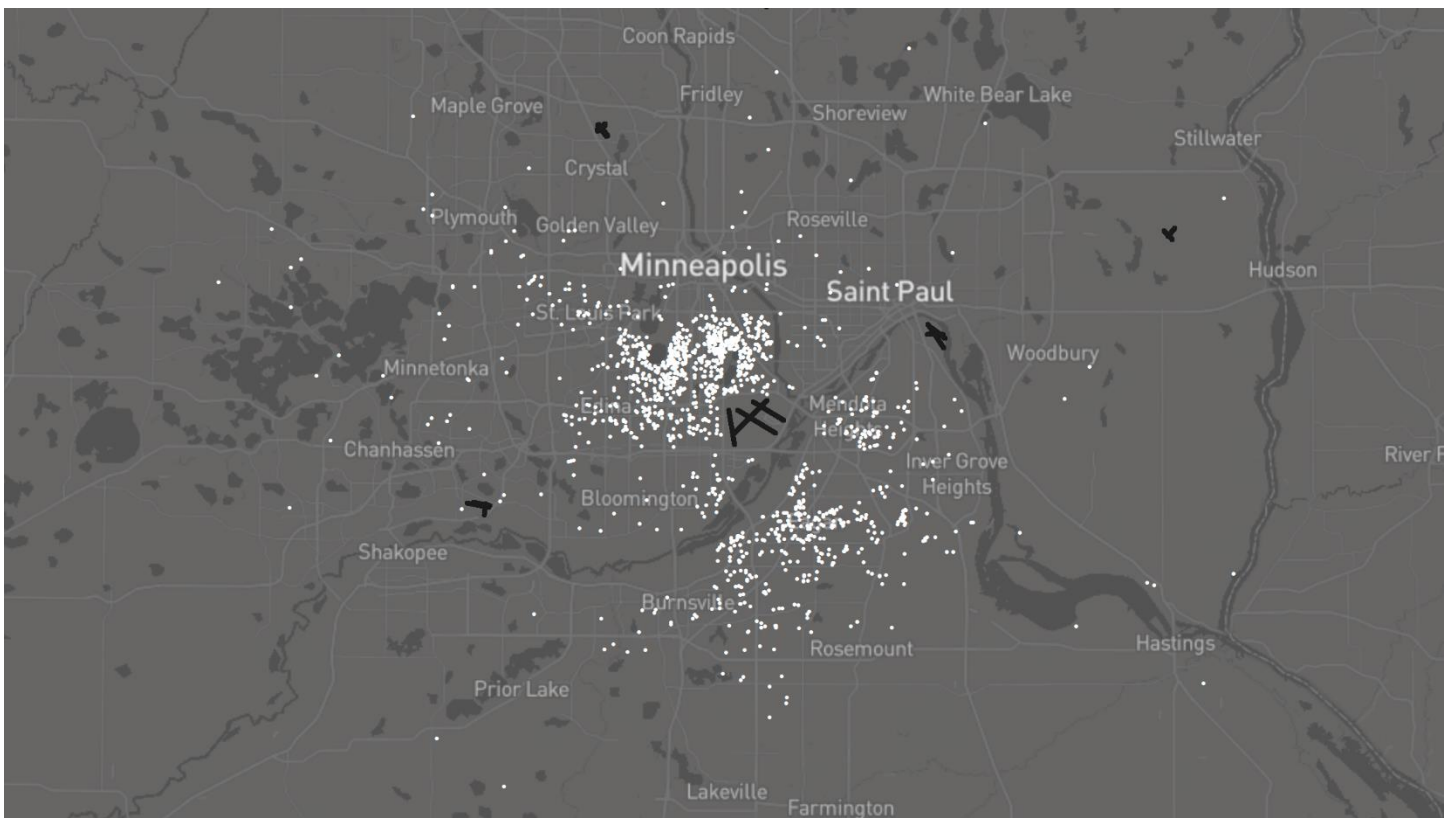
COMMUNITY RELATIONS OFFICE

METROPOLITAN AIRPORTS COMMISSION
6040 28TH AVENUE SOUTH, MINNEAPOLIS, MN 55450
WWW.MACNOISE.COM

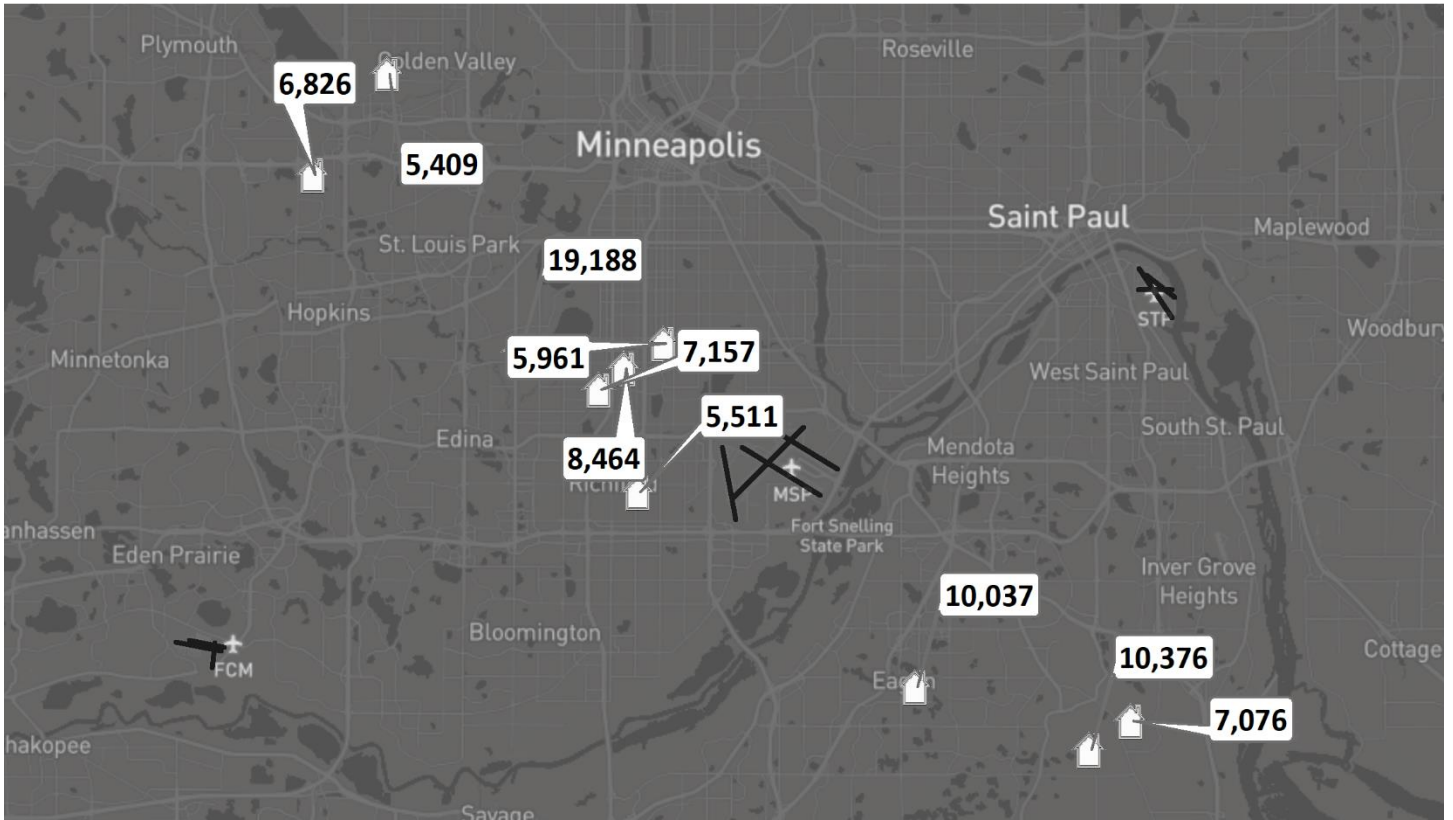
2017 – 2019 ANNUAL COMPLAINTS AND HOUSEHOLDS



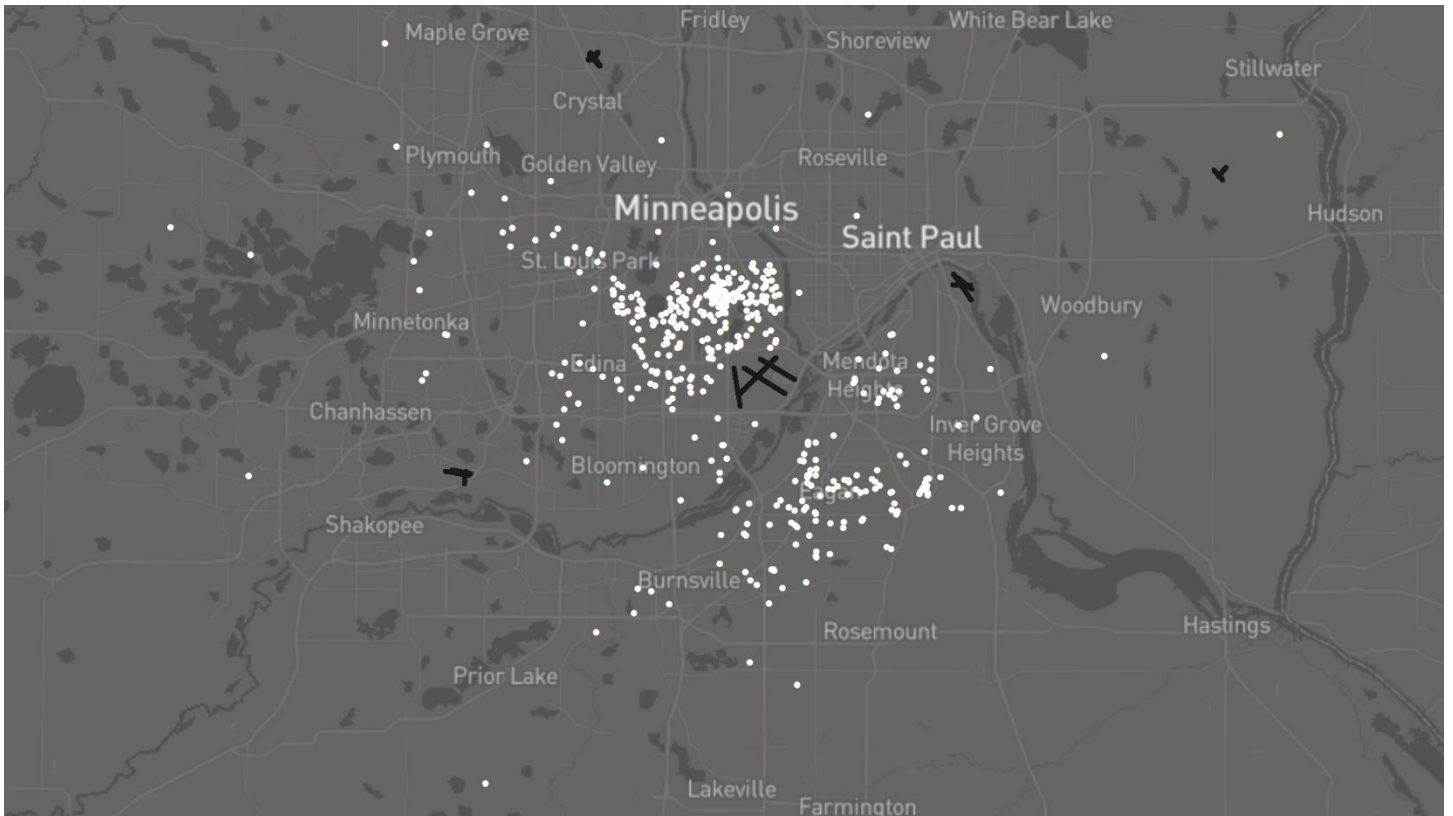
2019 HOUSEHOLDS FILING COMPLAINTS



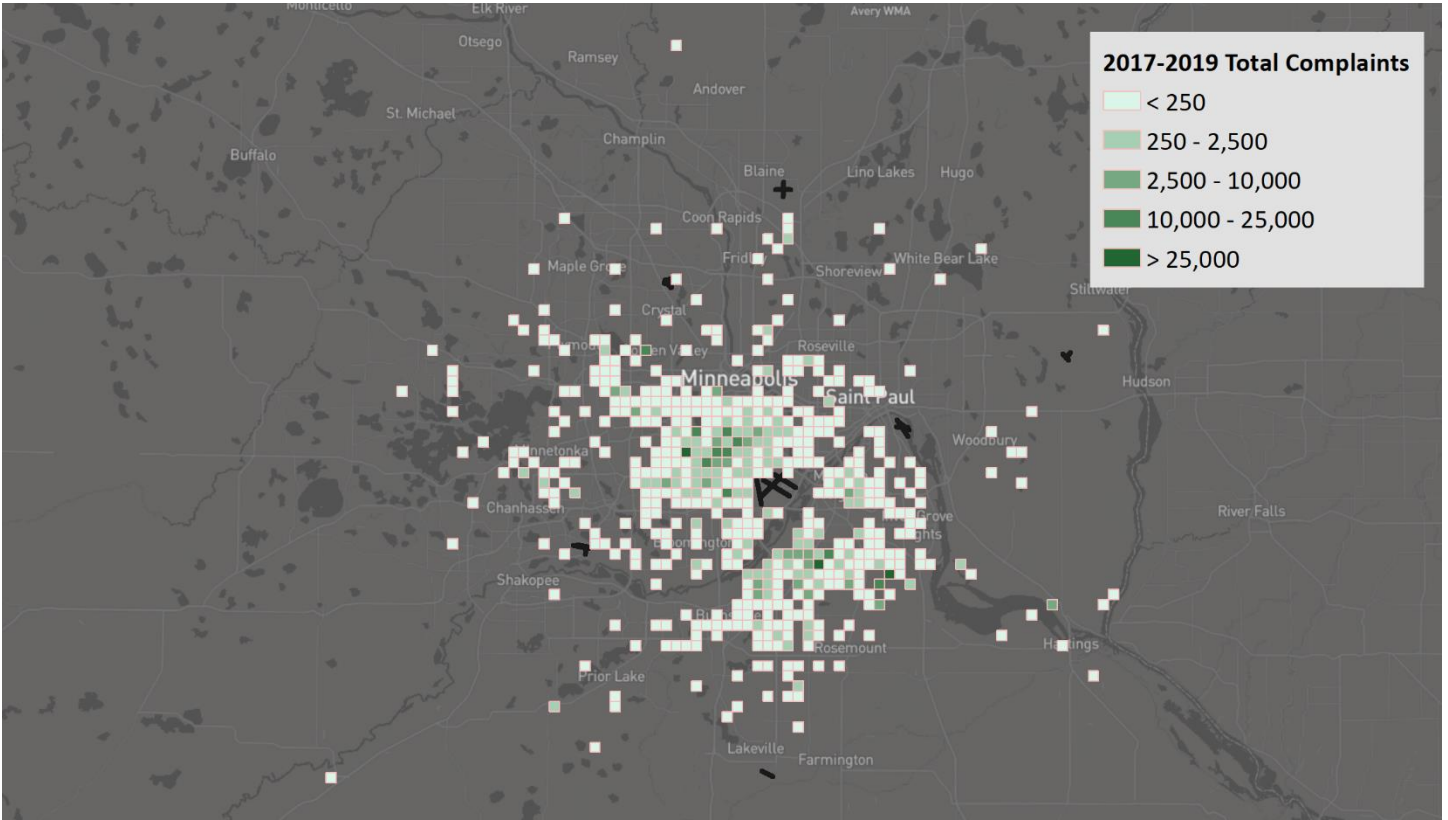
2019 TOP 10 HOUSEHOLDS FILING COMPLAINTS



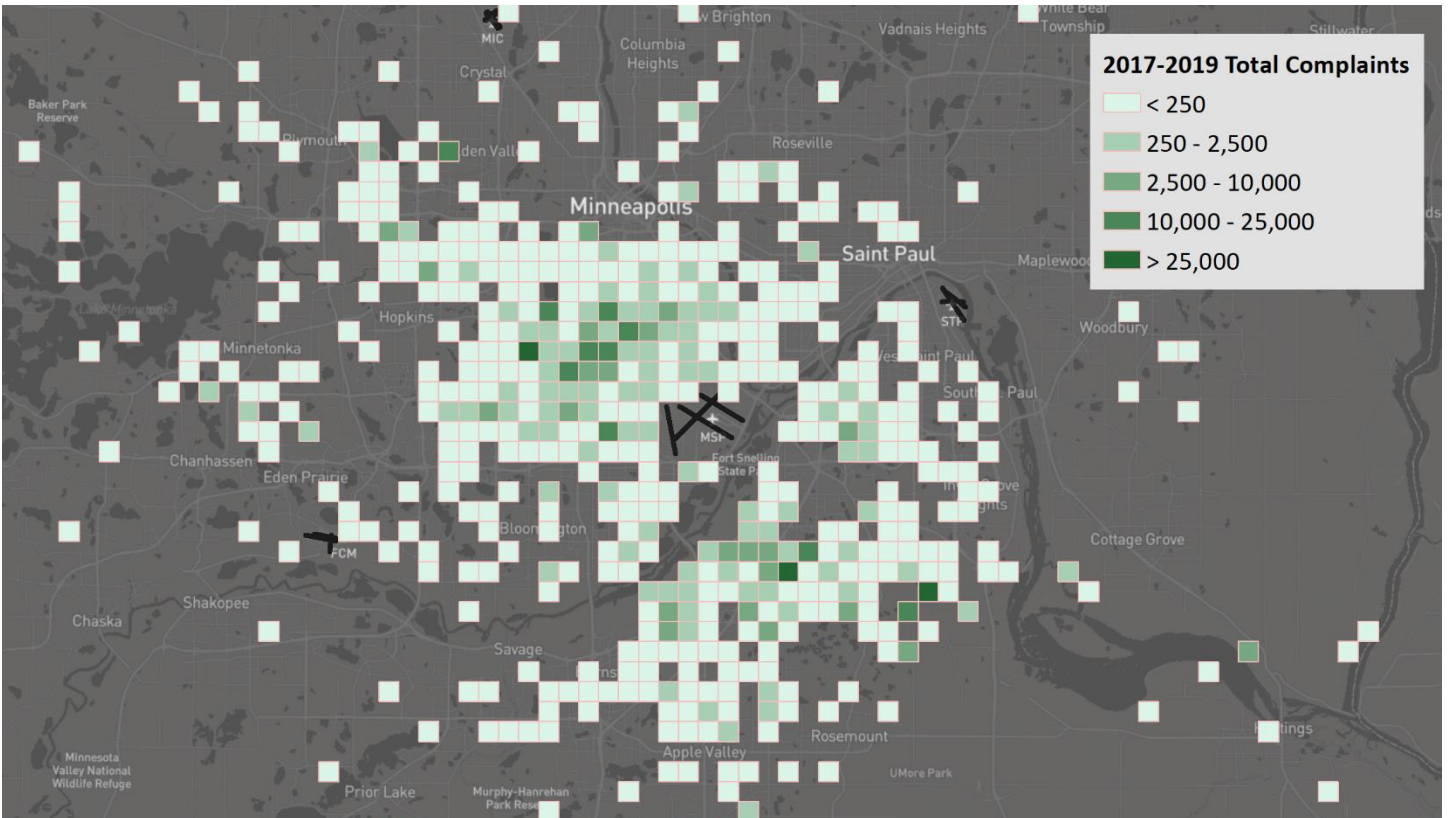
2019 NEW HOUSEHOLDS FILING COMPLAINTS



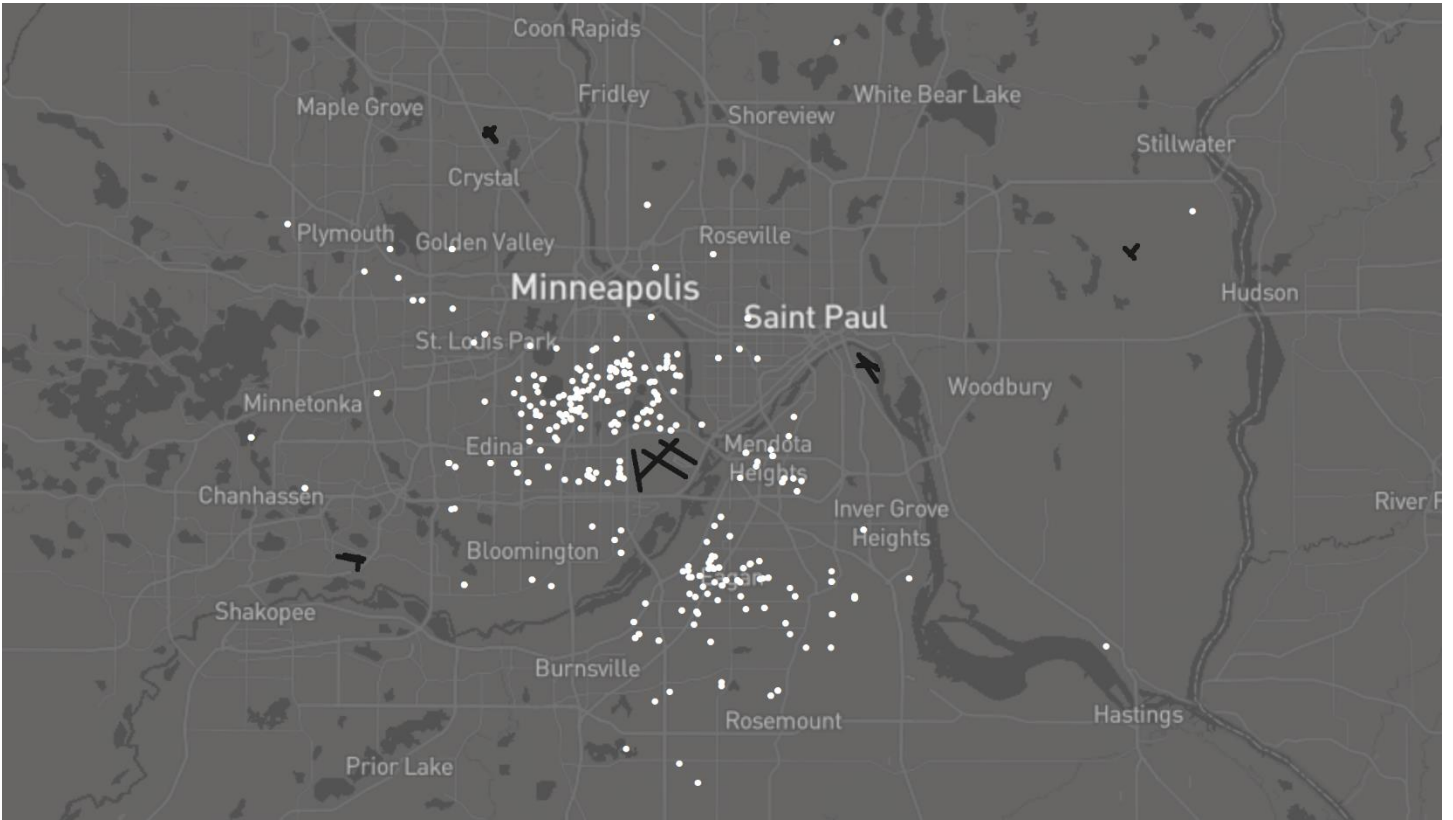
2017 – 2019 TOTAL COMPLAINTS



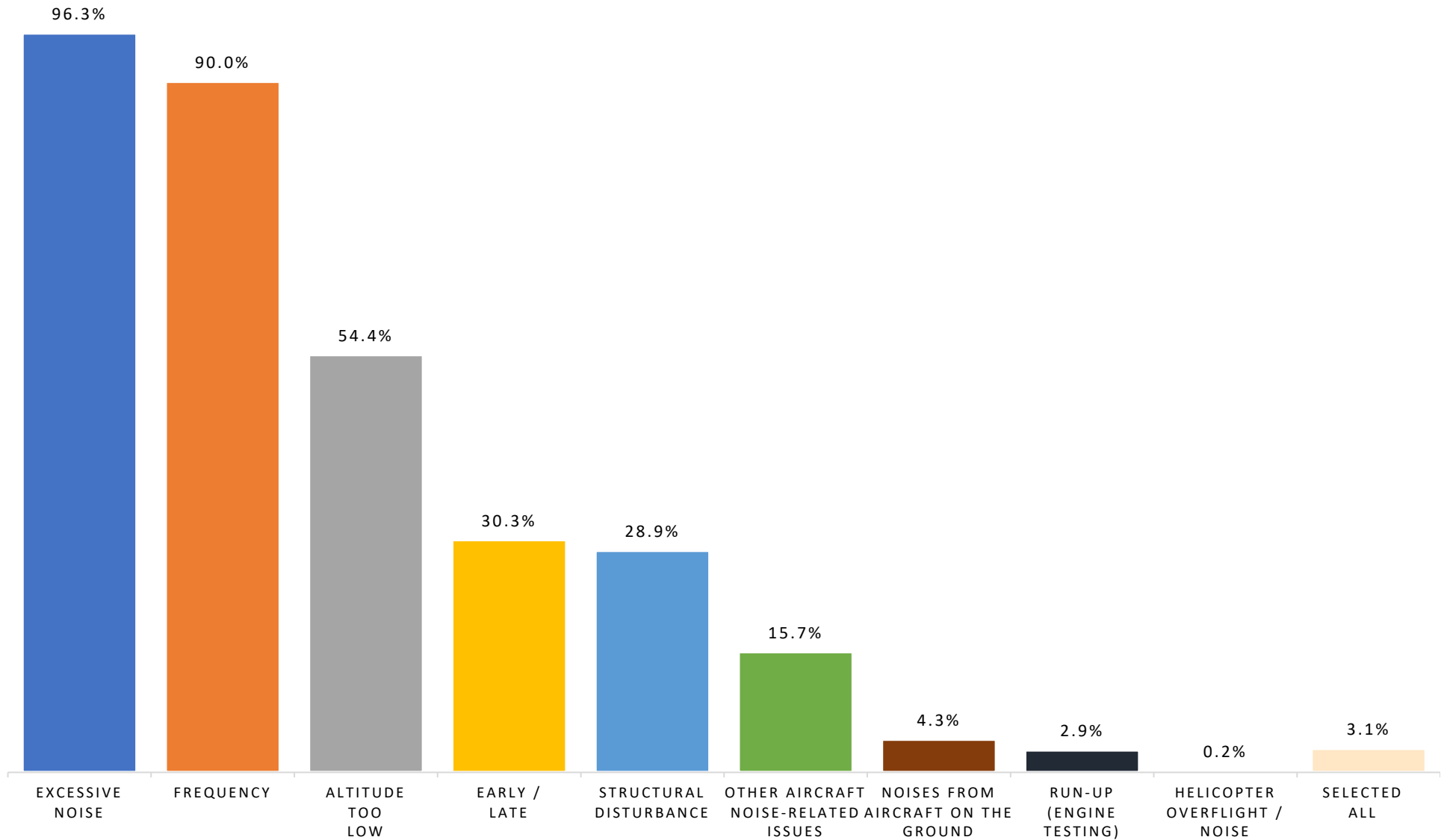
2017 – 2019 TOTAL COMPLAINTS



2019 GROUND NOISE & RUN UP COMPLAINTS

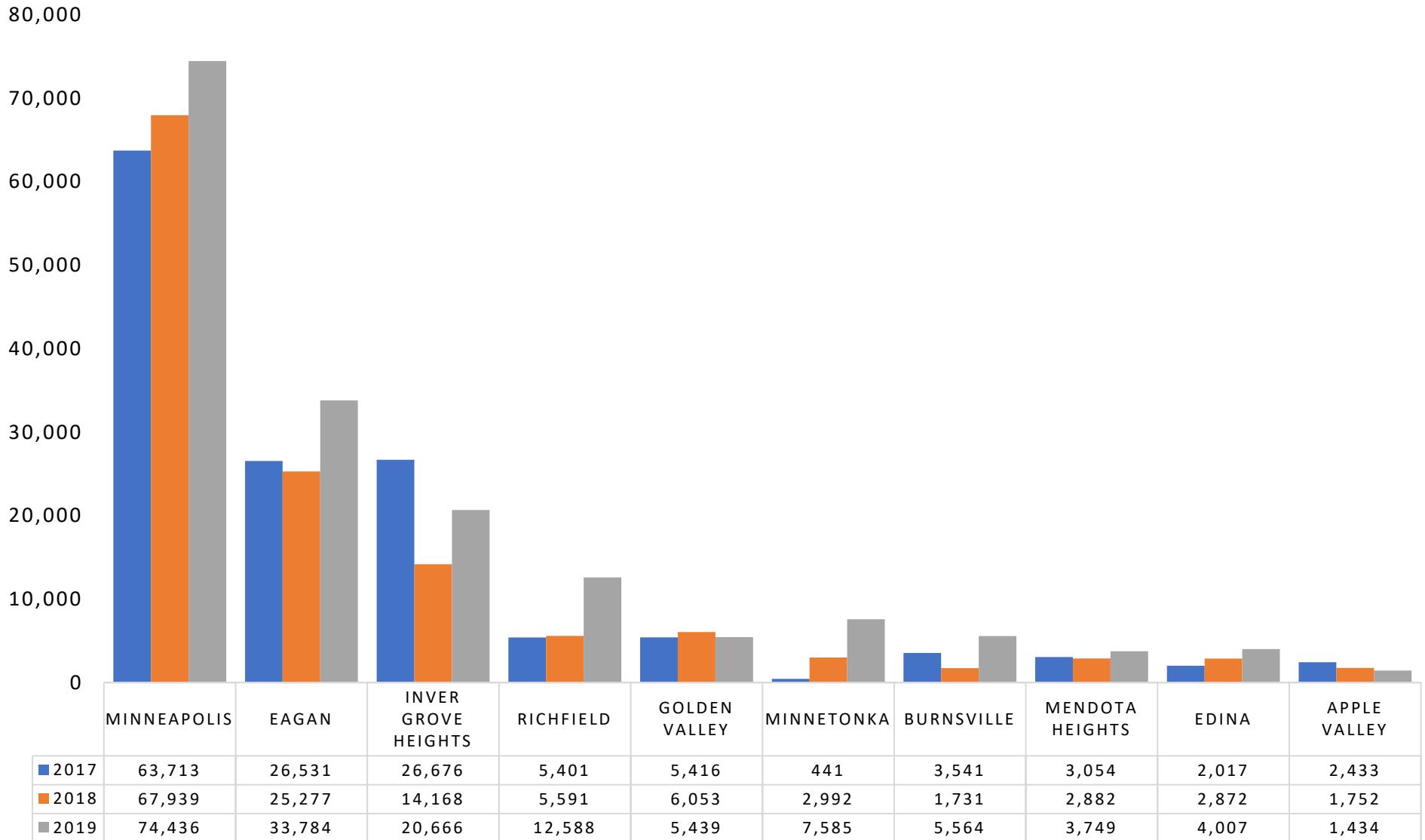


2019 COMPLAINTS FILED BY COMPLAINT REASON

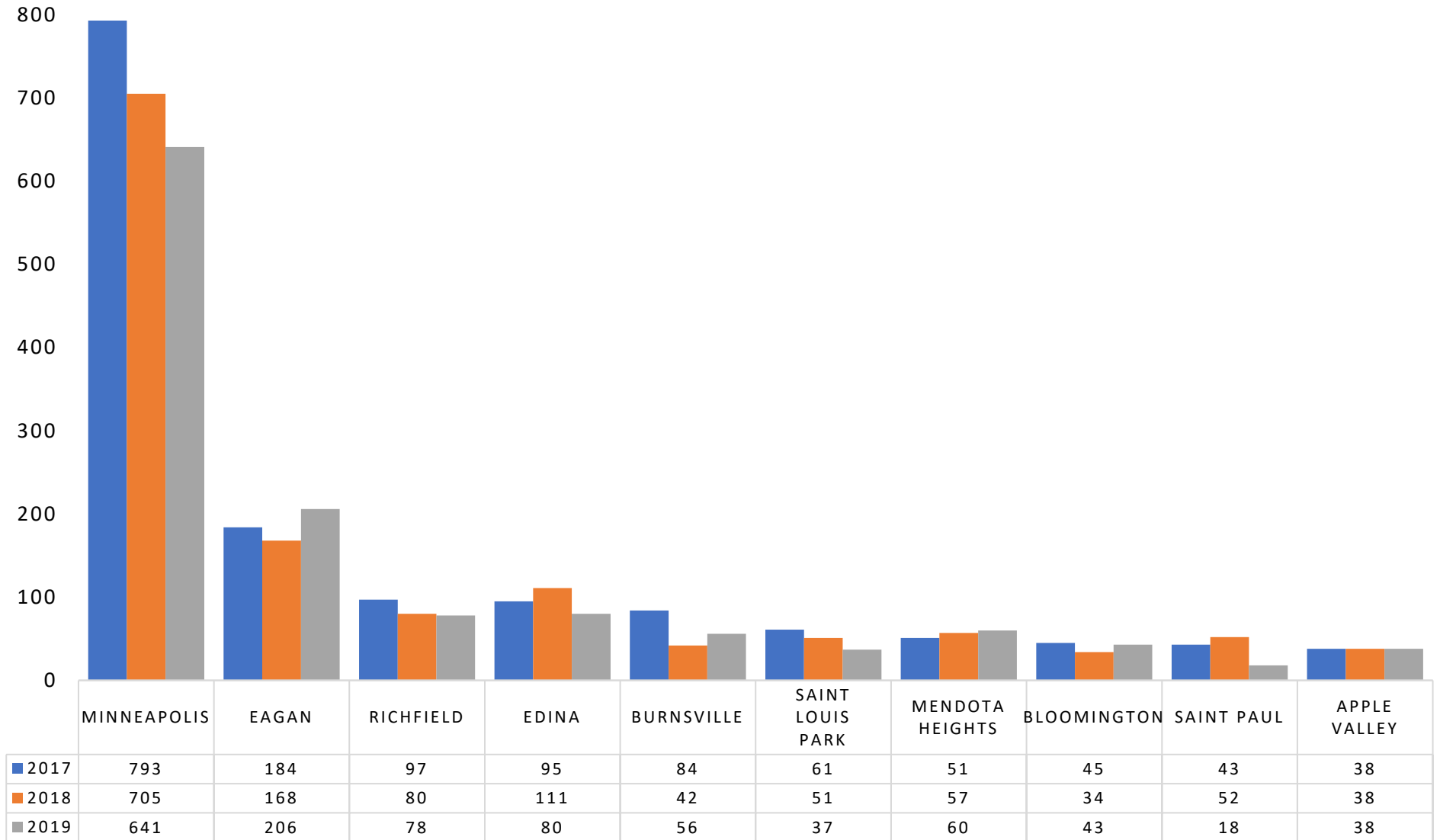


NOTE: BECAUSE MORE THAN ONE OPTION CAN BE SELECTED, THESE DO NOT ADD UP TO 100%. "SELECTED ALL" INDICATES EVERY COMPLAINT TYPE SELECTED.

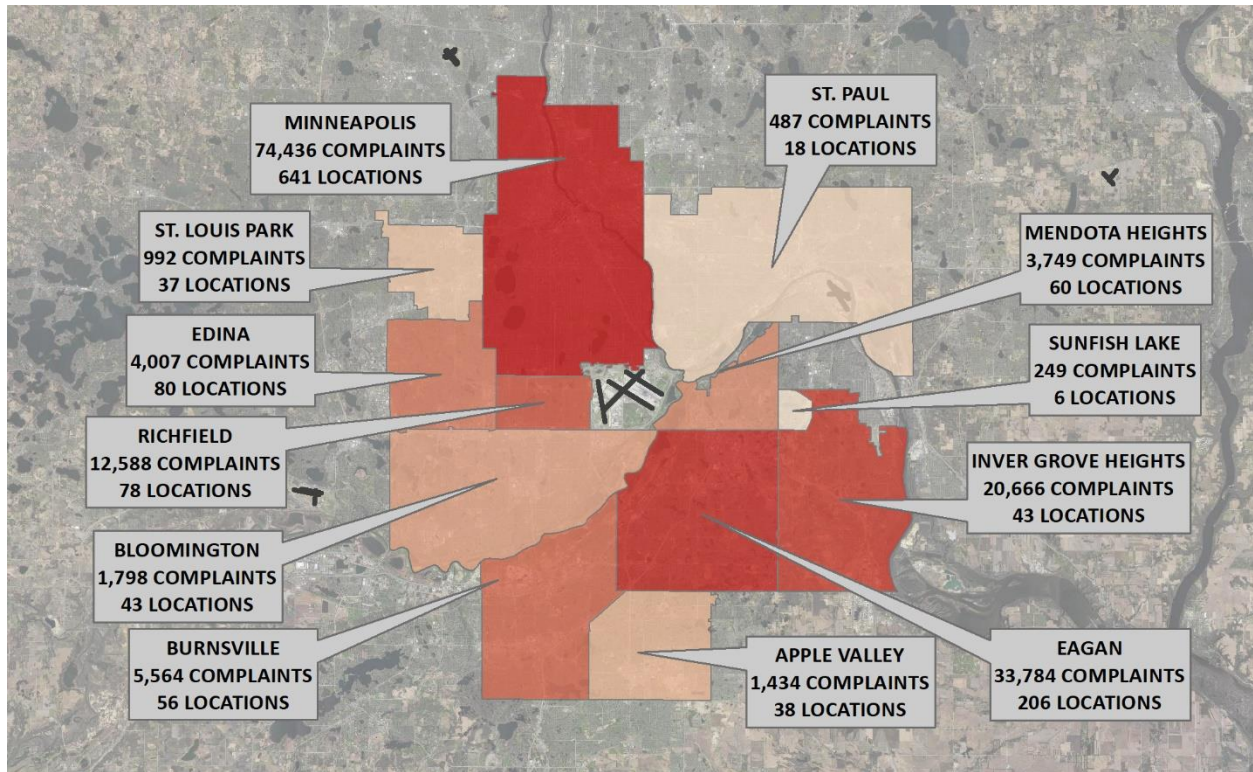
2017 – 2019 ANNUAL COMPLAINTS FILED BY TOP 10 CITIES



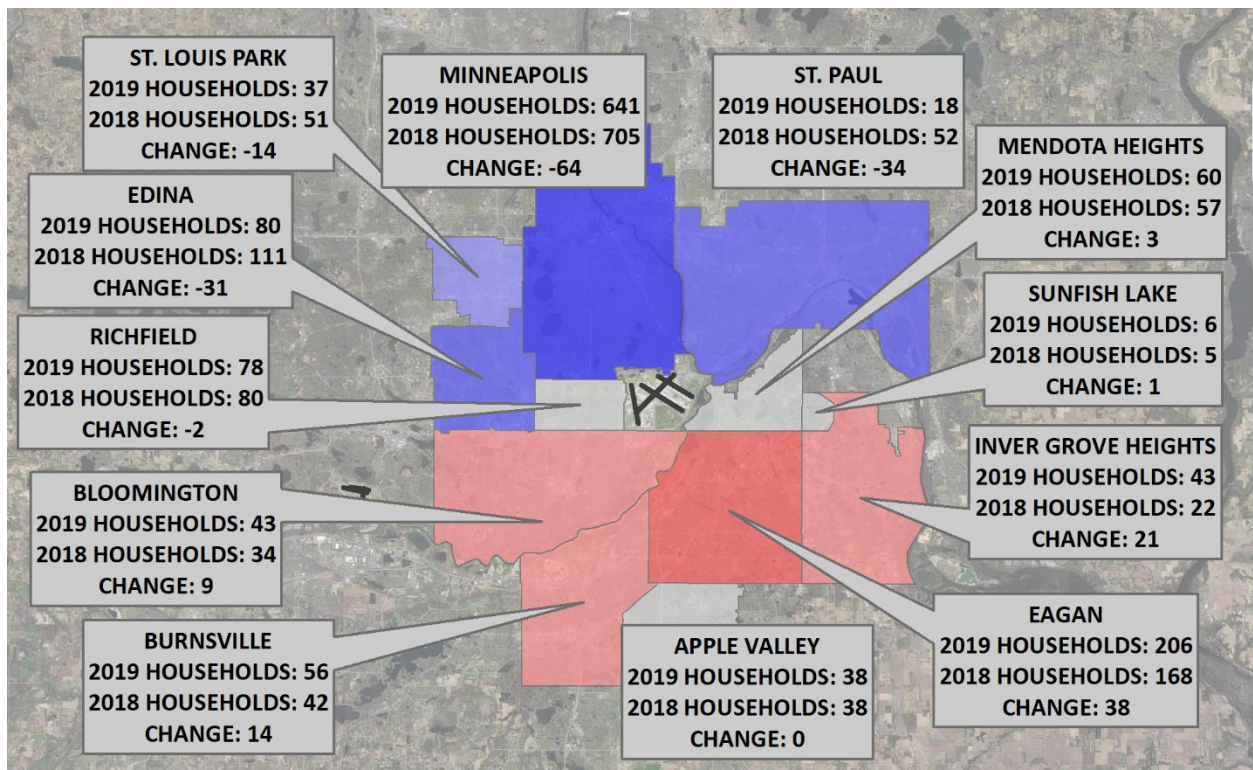
2017 – 2019 ANNUAL HOUSEHOLDS FILING COMPLAINTS BY TOP 10 CITIES



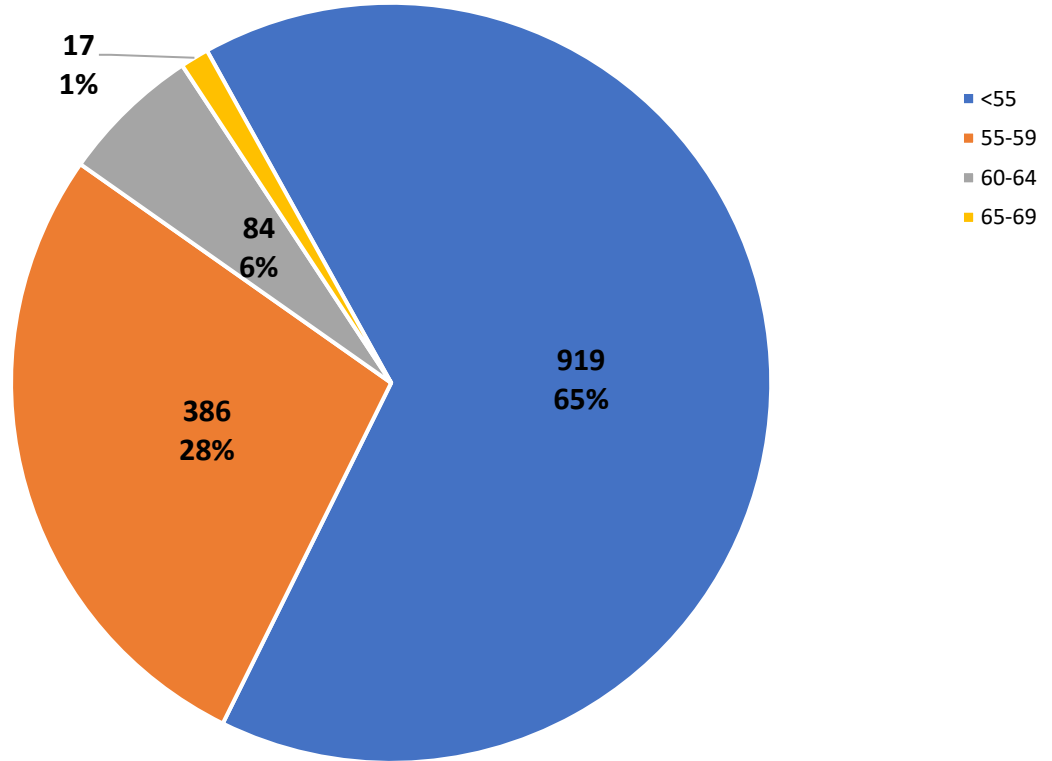
2019 COMPLAINTS FILED BY CITY



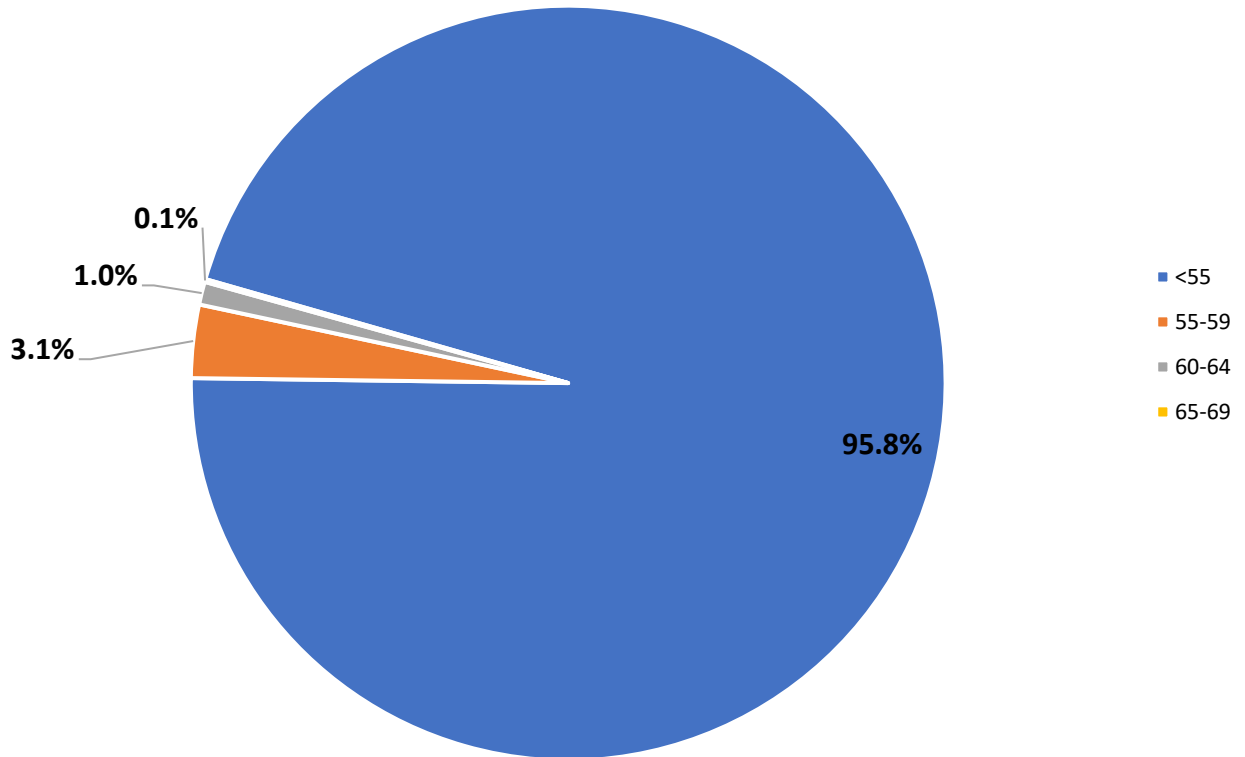
2018 TO 2019 COMPARISON - HOUSEHOLDS FILING COMPLAINTS BY CITY



2019 HOUSEHOLDS FILING COMPLAINTS BY DNL CONTOUR

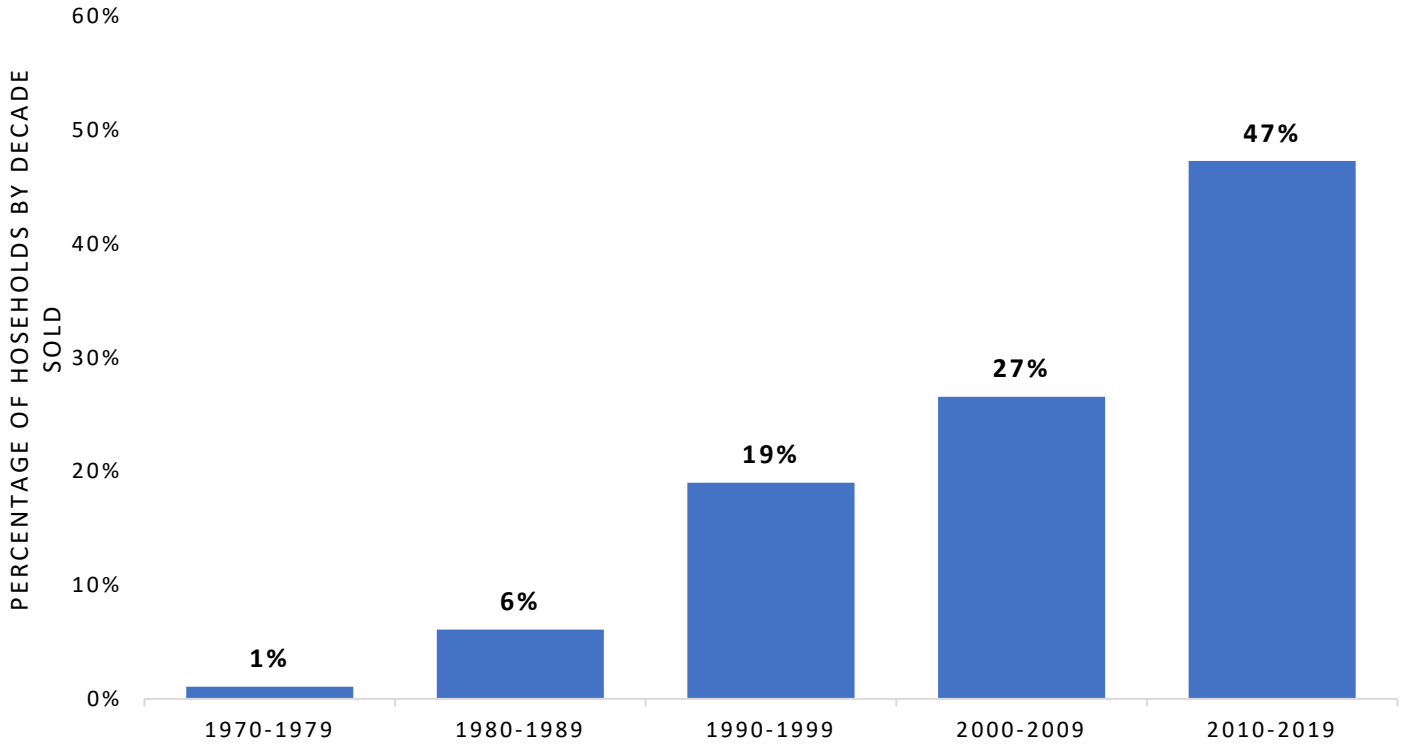


NUMBER OF RESIDENTIAL PARCELS* BY DNL CONTOUR



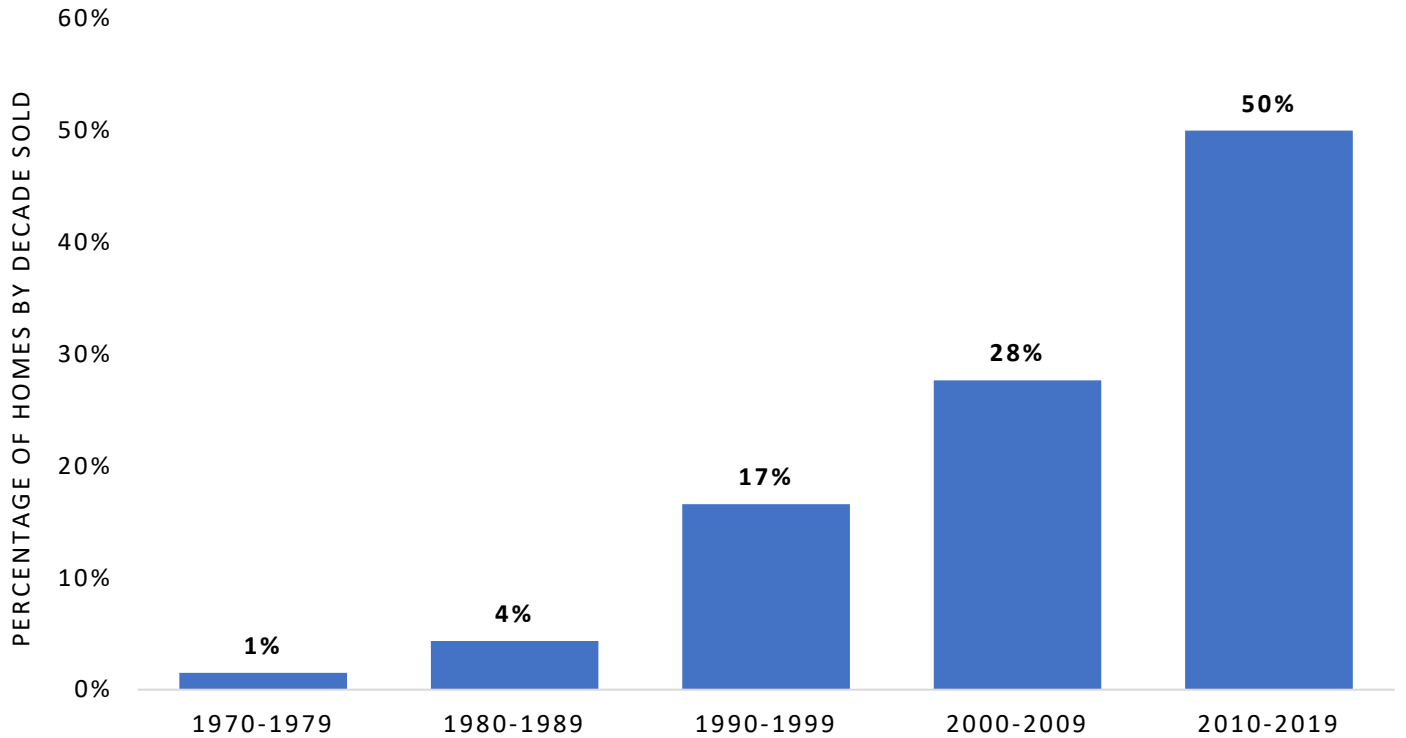
*Parcels with primary use labeled as residential within 23.65 miles of MSP were included

2019 HOUSEHOLDS FILING COMPLAINTS BY HOME PURCHASE DATE



Note: Only includes single-family owner-occupied households based on county parcel data (2020).

NUMBER OF HOUSEHOLDS BY HOME PURCHASE DATE

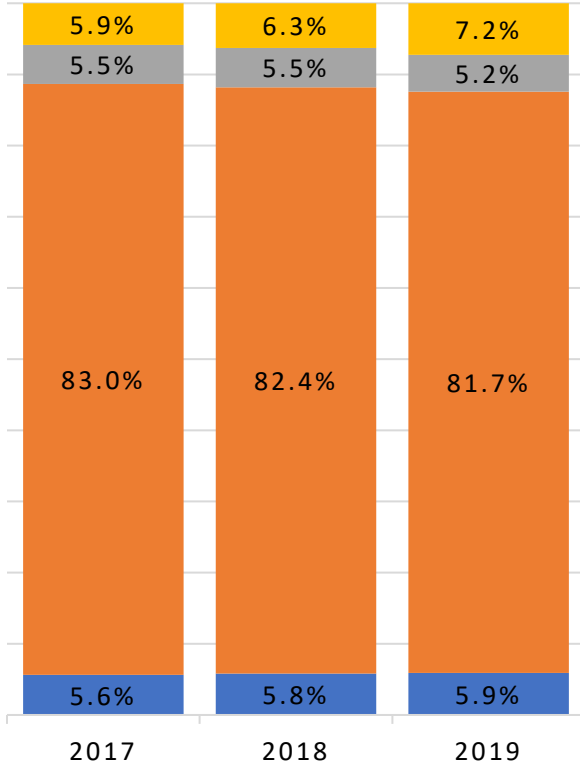


Note: single-family owner-occupied households within 23.65 miles of MSP with sale date information available only based on county parcel data (2020).

2017 – 2019 COMPLAINTS AND OPERATIONS BY TIME

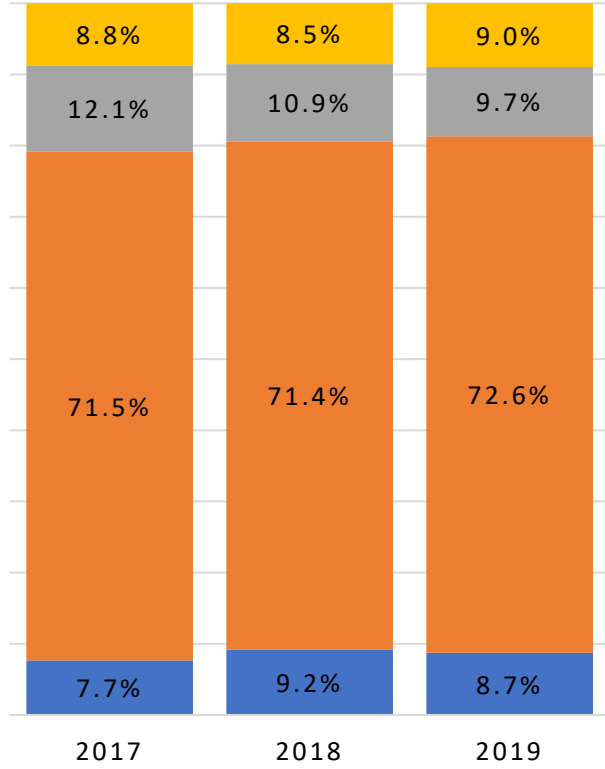
OPERATIONS BY TIME PERIOD

■ MORNING
 ■ DAY
 ■ EVENING
 ■ NIGHT



COMPLAINTS BY TIME PERIOD

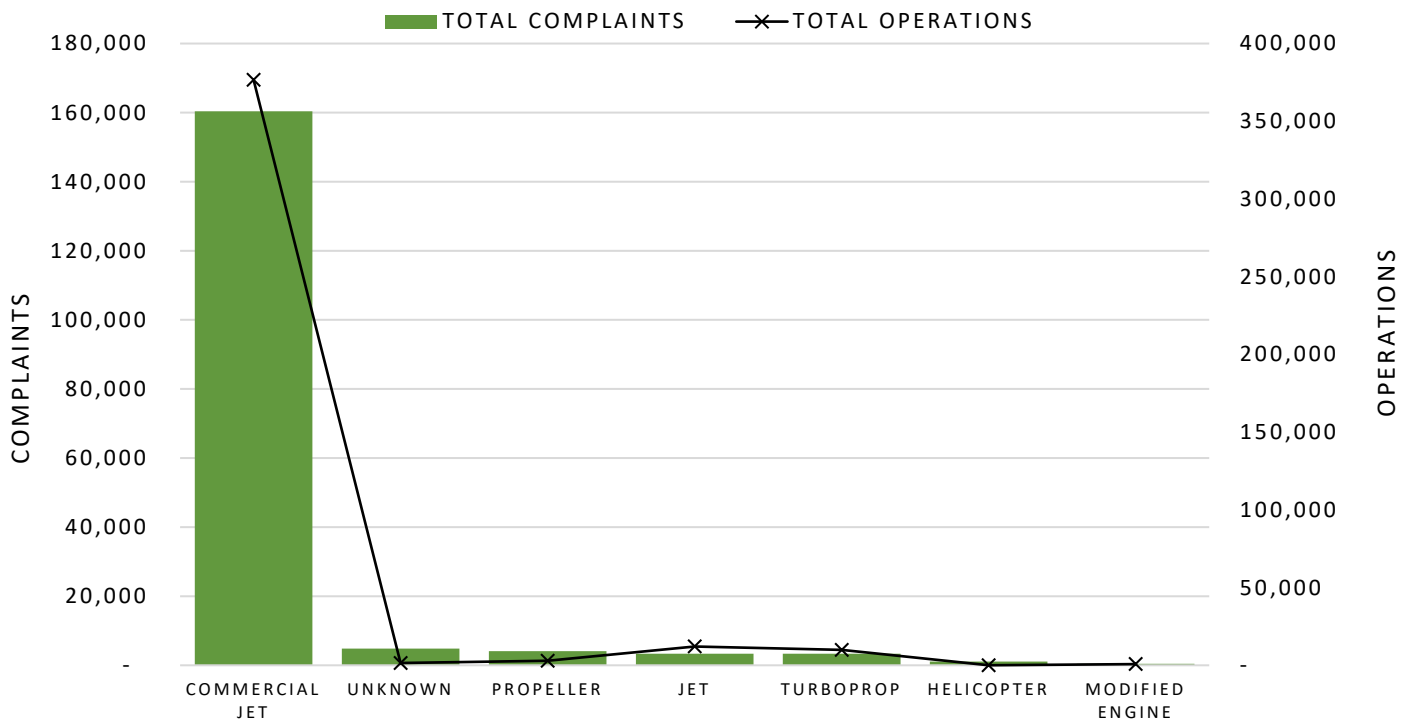
■ MORNING
 ■ DAY
 ■ EVENING
 ■ NIGHT



Note:

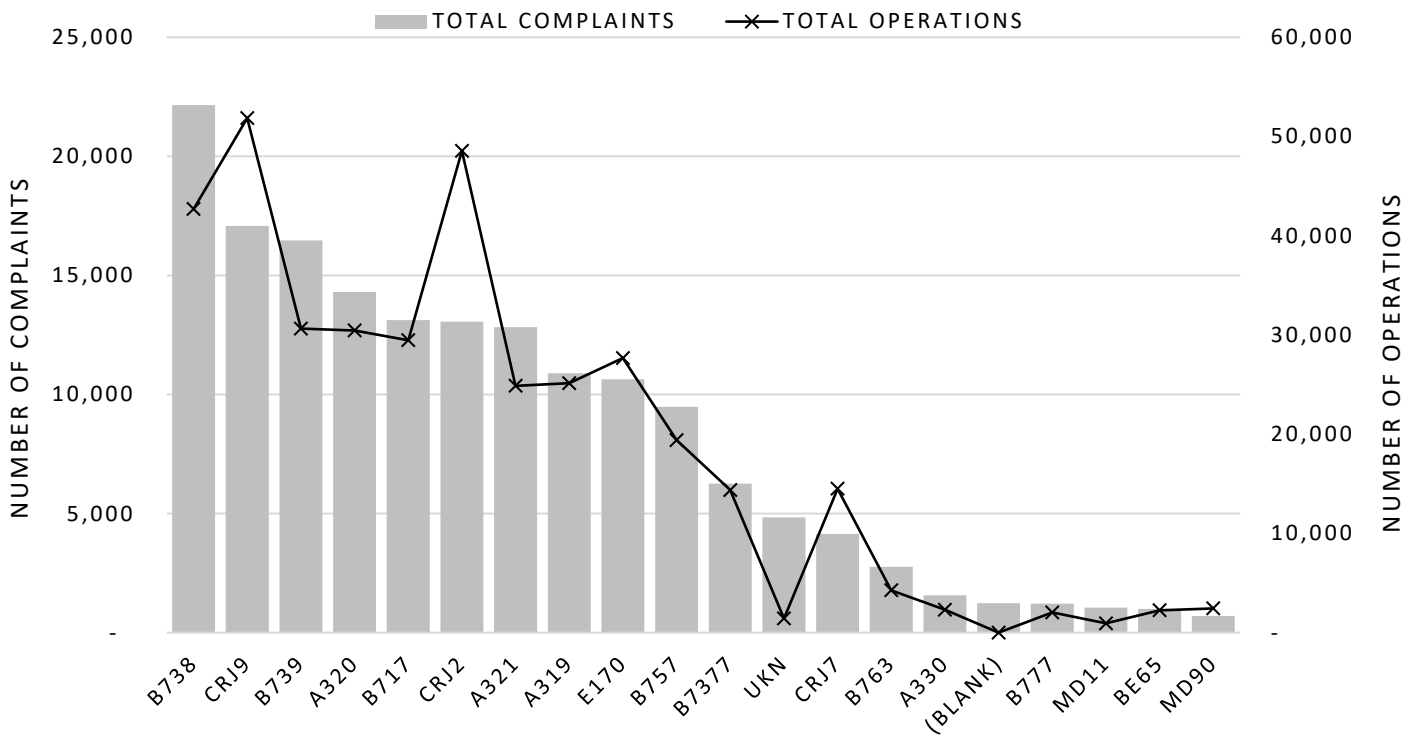
Morning: 6:00 AM – 7:30 AM
Day: 7:30 AM – 9:00 PM
Evening: 9:00 PM – 10:30 PM
Night: 10:30 PM – 6:00 AM

2019 COMPLAINTS BY AIRCRAFT CATEGORY



Operation Type	Total Complaints	Total Operations	Ratio
Commercial Jet	160,378	376,603	0.43
Unknown	4,838	1,430	3.38
Propeller	4,078	2,876	1.42
Jet	3,368	12,093	0.28
Turboprop	3,342	9,888	0.34
Helicopter	1,076	21	51.24
Modified Engine	414	754	0.55

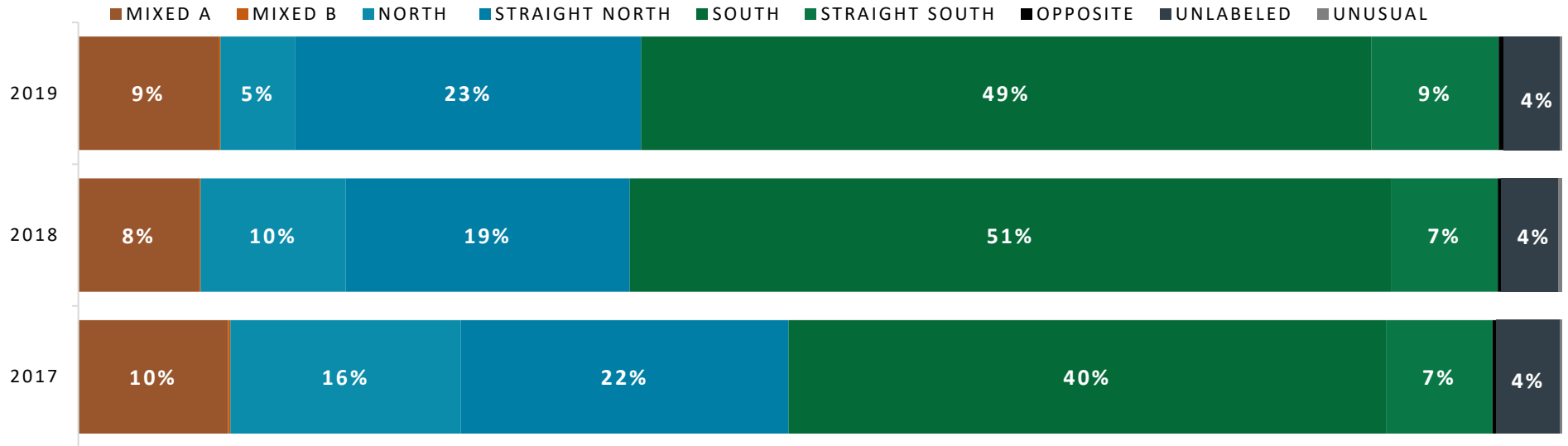
2019 COMPLAINTS BY AIRCRAFT TYPE



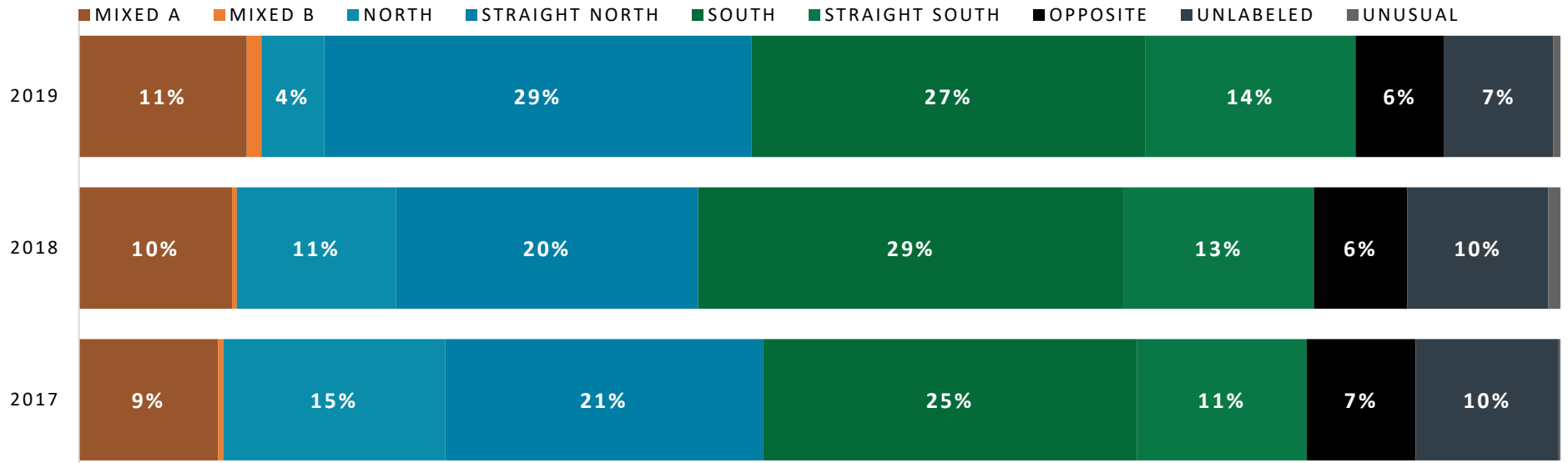
2019 TOP 10 FLIGHTS THAT GENERATED COMPLAINTS

Operation Number	Aircraft Type	Airport	Flight ID	Date and Time	Number of Complaints
24191800	B739	MSP	DAL371	1/12/2019 7:28	24
25030719	A109	--	N90NM	8/10/2019 3:32	24
24597204	UKN	FCM	--	5/7/2019 16:32	22
24429478	BE65	MSP	BMJ72	3/28/2019 7:18	21
24948135	UKN	FCM	--	7/24/2019 7:03	21
24191771	B737	MSP	SWA6936	1/12/2019 7:47	21
25111517	MD11	MSP	FDX915	9/1/2019 3:58	21
25166616	CRJ9	MSP	SKW4045	9/20/2019 6:53	20
24867877	UKN	MIC	N2240G	7/8/2019 19:40	20
24592042	B738	MSP	DAL2340	5/6/2019 20:51	19

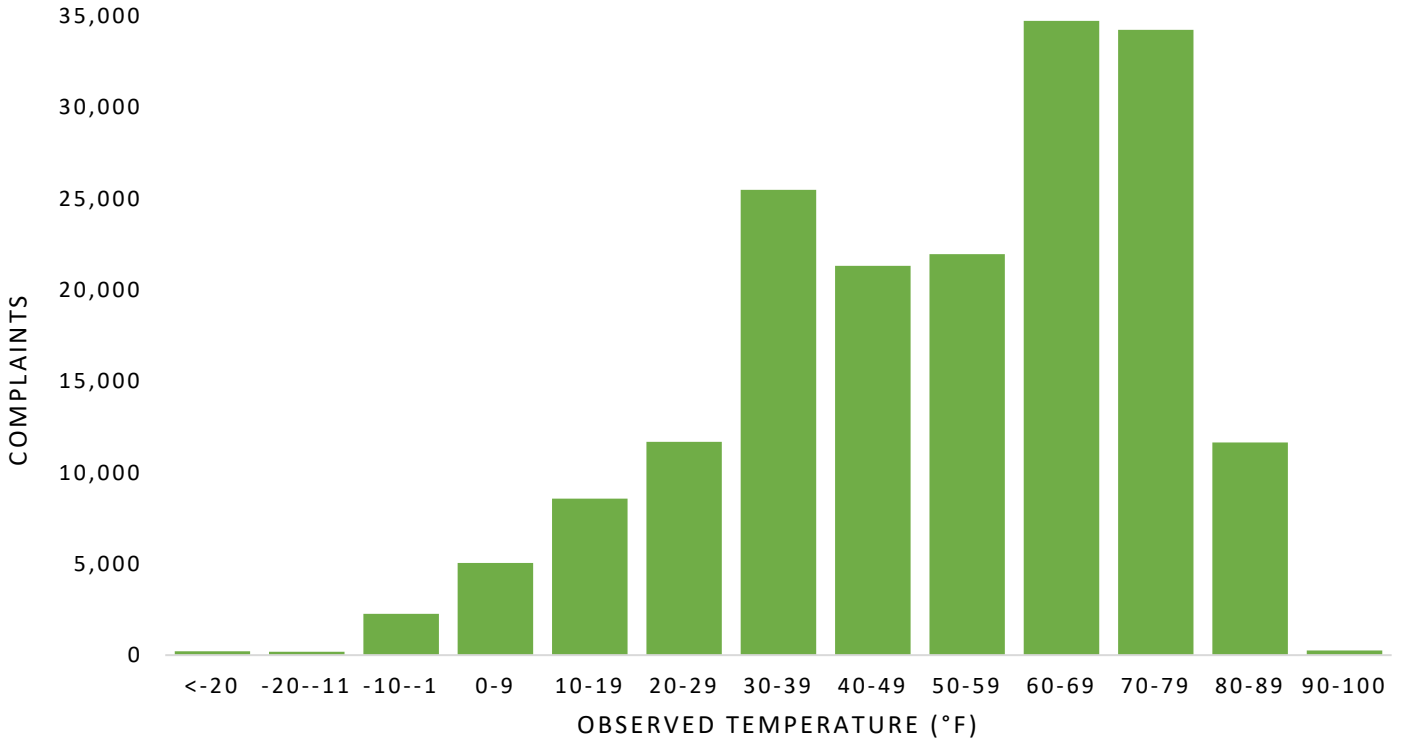
2017 – 2019 COMPLAINTS BY FLOW



2017 – 2019 TOTAL FLOW



2019 COMPLAINTS BY TEMPERATURE



2019 COMPLAINTS BY WEATHER

