



Noise Abatement Subcommittee

November 20, 2019

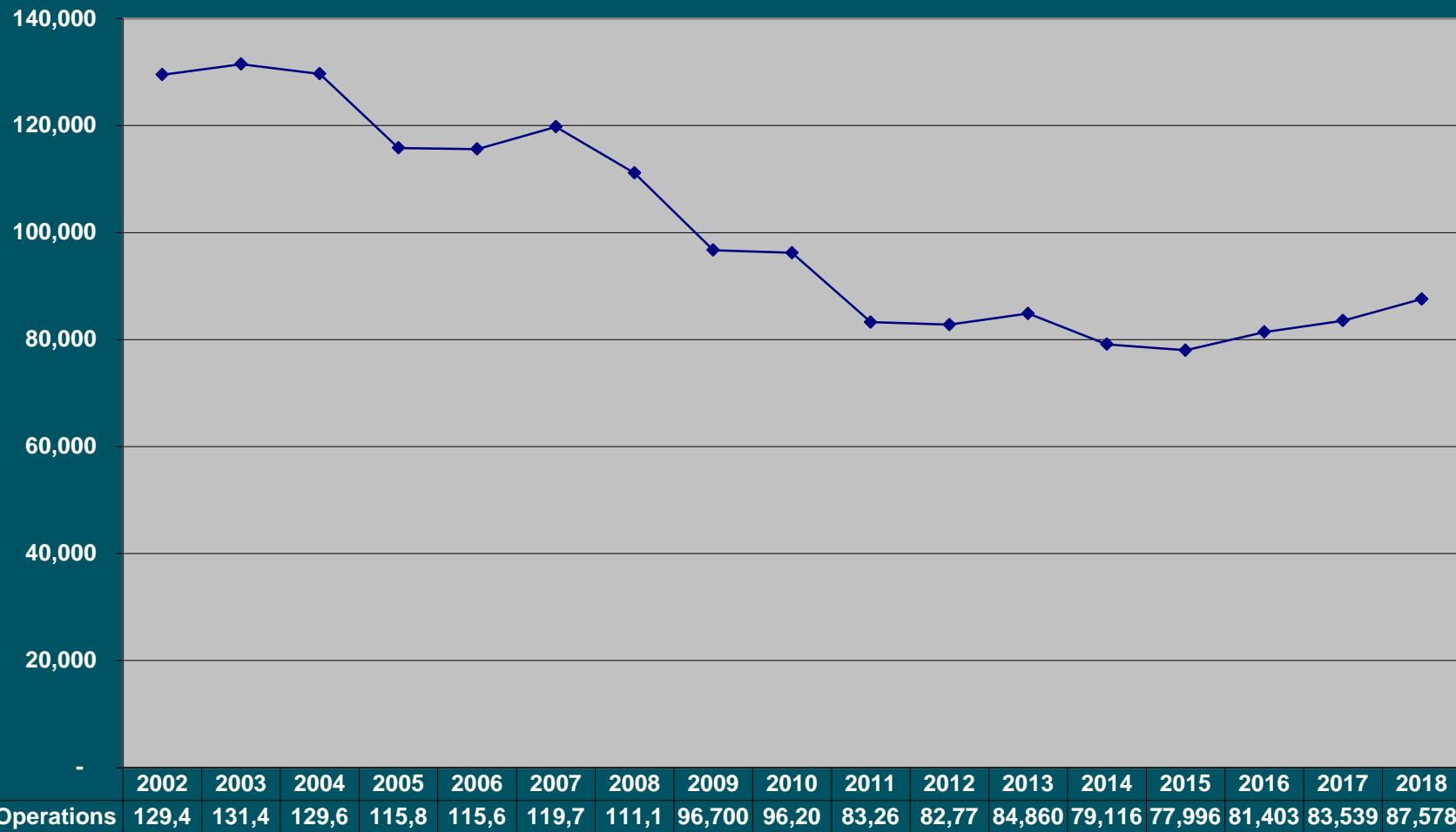
It's all about the journey.

AIRCRAFT MOVEMENTS

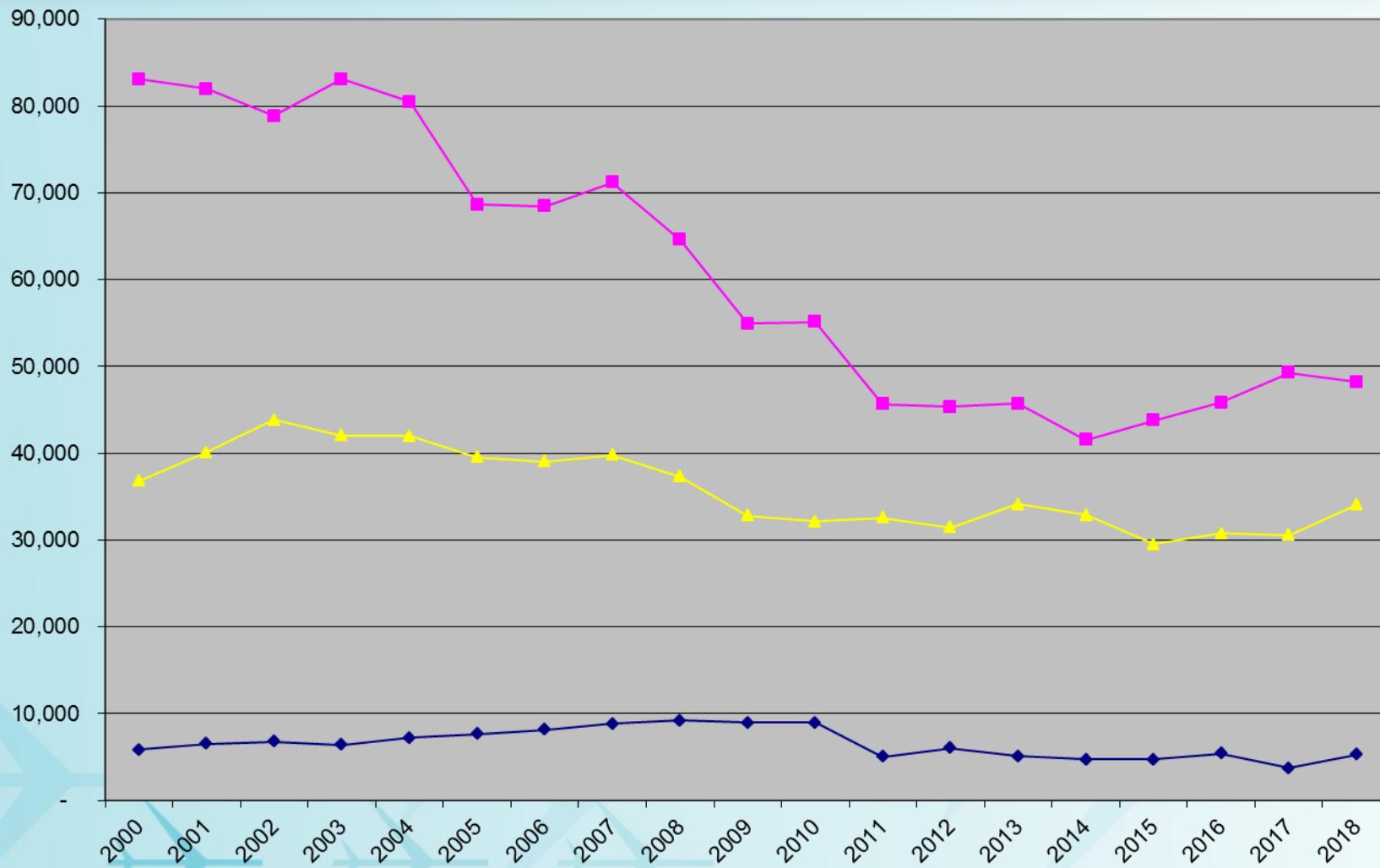
APR 19 – SEP 19

Aircraft Movements	APR 18 – SEP 18	APR 19 – SEP 19	% Change
<i>Air Carrier</i>	17,783	18,374	3 %
<i>Military</i>	2,928	2,646	-3 %
<i>General Aviation</i>	26,345	22,198	-15 %
<i>Total Movements</i>	47,056	43,218	-8 %

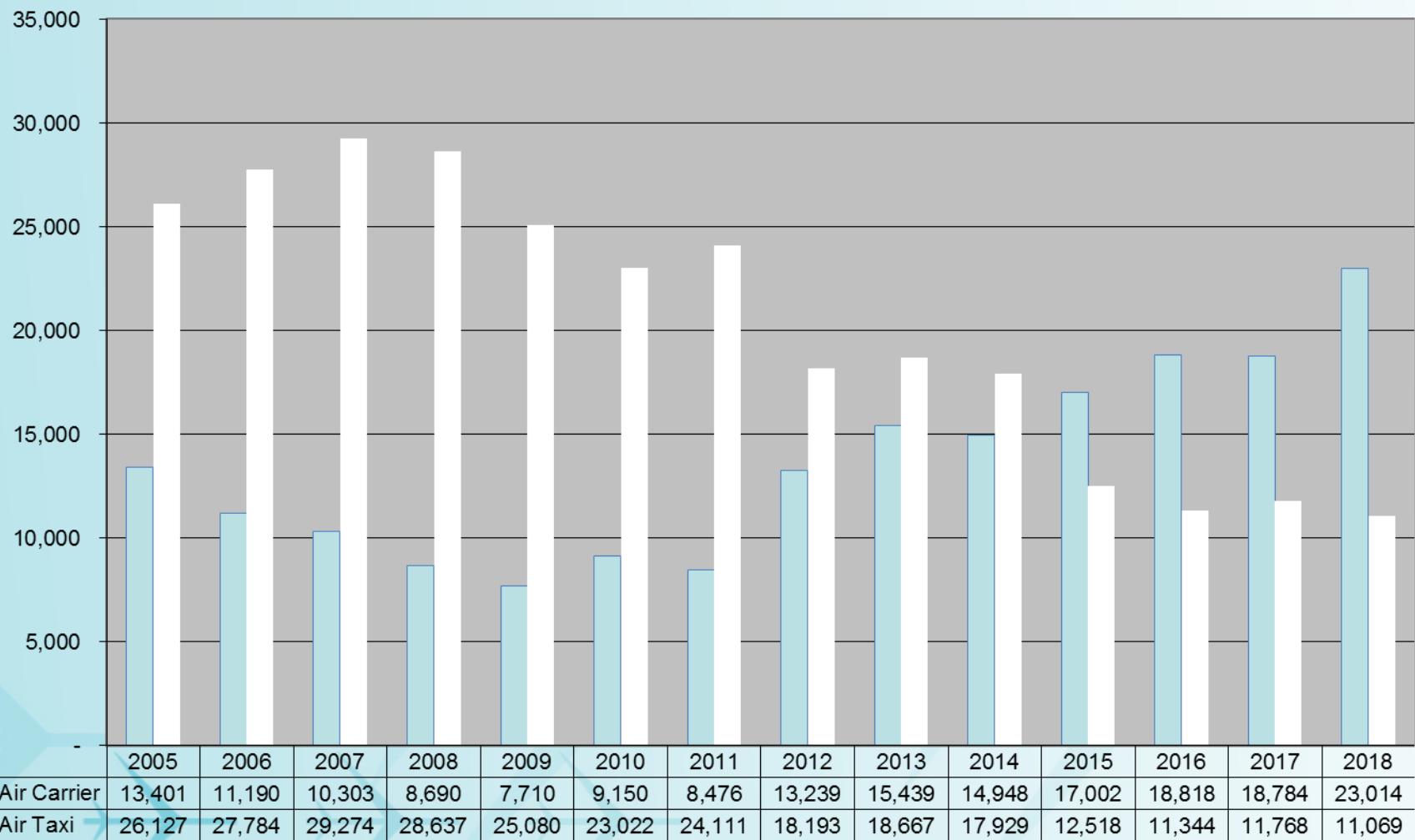
ANNUAL AIRCRAFT OPERATIONS



HISTORICAL AIRCRAFT OPERATIONS BY TYPE

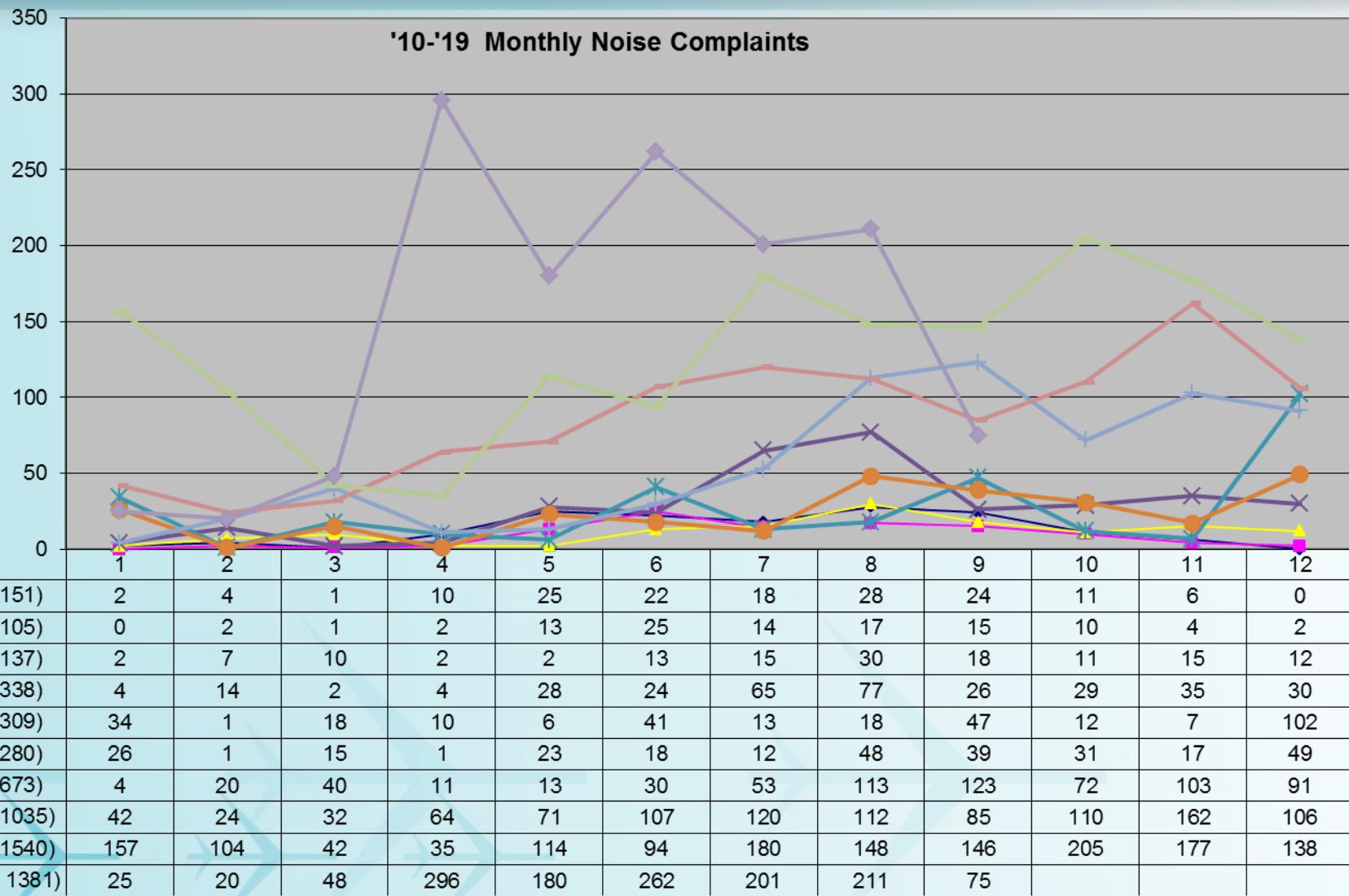


Air Carrier (A-320, B717) vs Air Taxi (CRJ, ERJ)



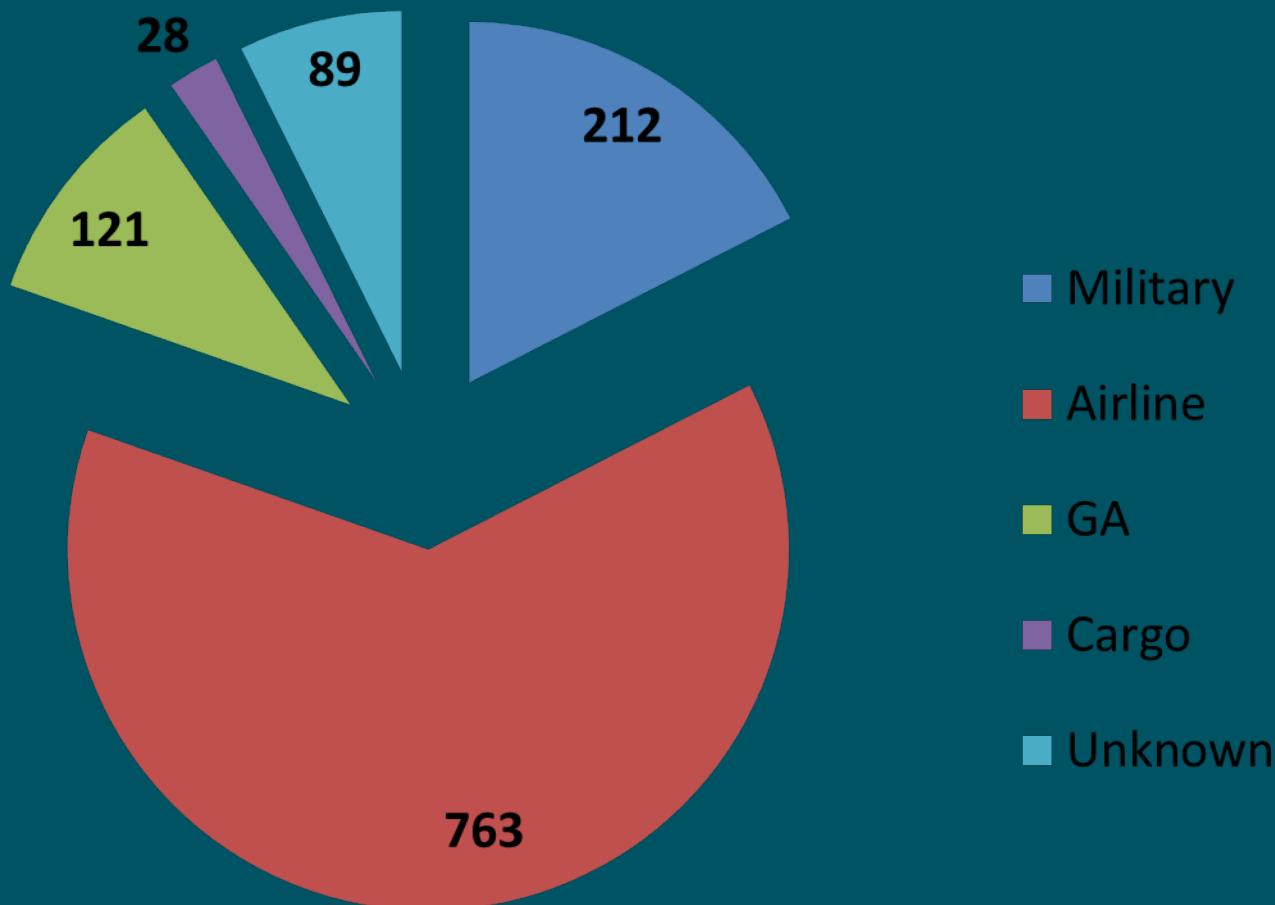
COMPLAINTS MONTHLY HISTORY

APR 19 – SEP 19



COMPLAINTS BY AIRCRAFT TYPE

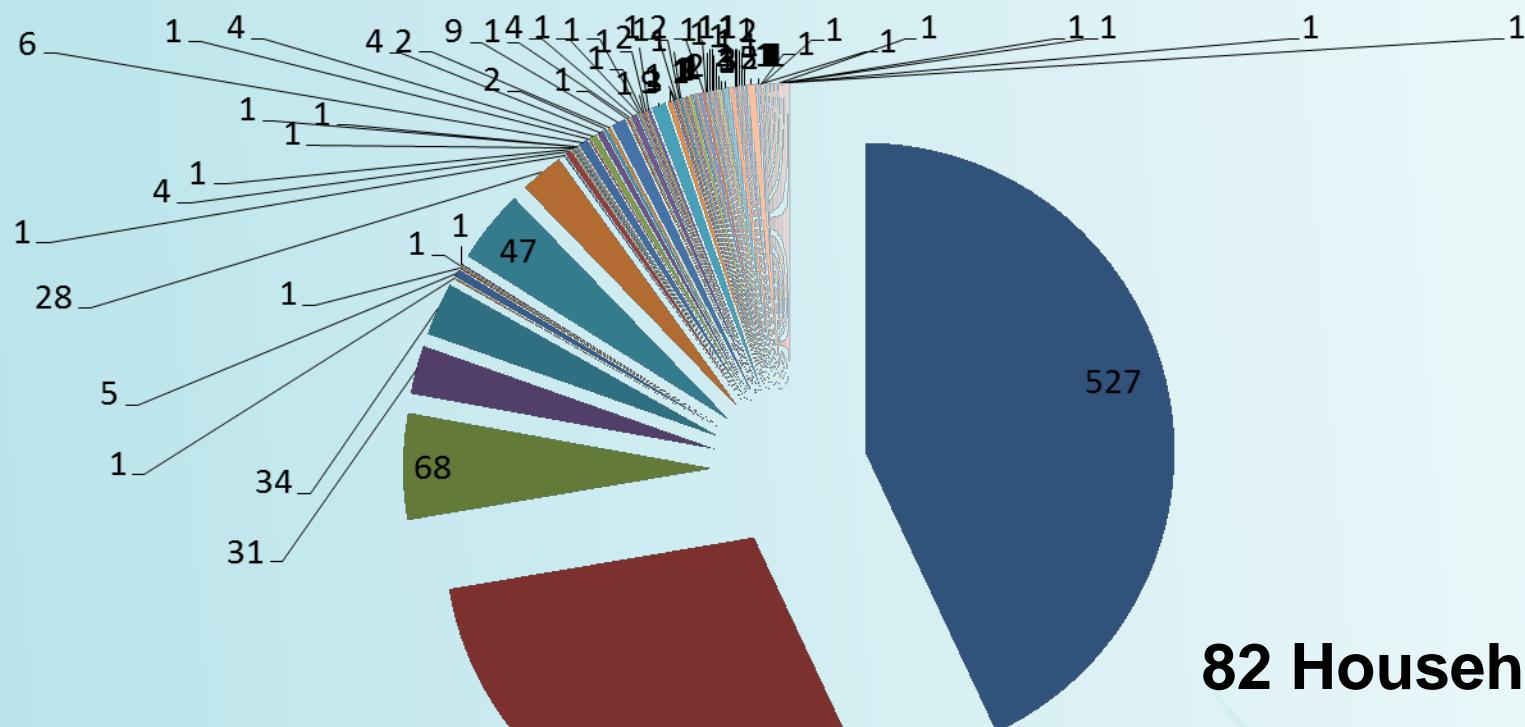
APR 19 – SEP 19



COMPLAINTS BY AREA

Area	APR 19 - SEP 19		APR 18 - SEP 18	
	Complaints	Households	Complaints	Households
<i>Blooming Grove</i>	0	0	0	0
<i>Cottage Grove</i>	1	1	0	0
<i>Deerfield</i>	0	0	0	0
<i>DeForest</i>	359	1	406	1
<i>Fitchburg</i>	0	0	0	0
<i>Madison</i>	852	75	299	52
<i>Marshall</i>	0	0	0	0
<i>Middleton</i>	0	0	0	0
<i>Monona</i>	1	1	0	0
<i>Sun Prairie</i>	11	3	12	1
<i>Windsor</i>	0	0	0	0
<i>Verona</i>	0	0	0	0
<i>Waunakee</i>	1	1	0	0
Total	1225	82	717	54

COMPLAINTS PER HOUSEHOLD

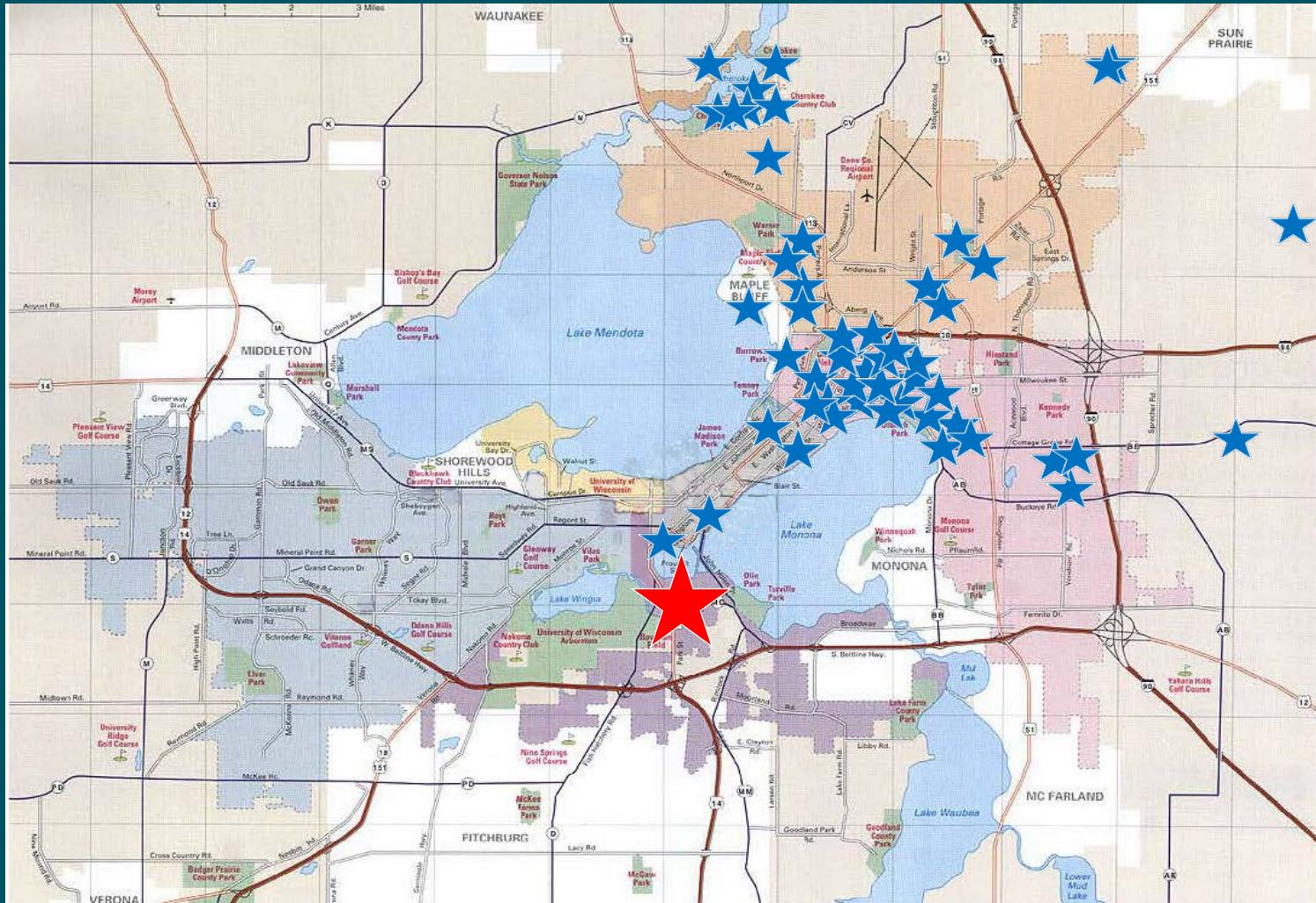


82 Households

1225 Complaints

COMPLAINT LOCATION

10



NOISE COMPLAINT CALLS

APR 19 – SEP 19

	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
DAY	155	124	147	114	89	49	678
NIGHT	141	56	115	87	122	26	547
TOTAL	296	180	262	201	211	75	1225

Noise Complaint History



	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
APR	U	U	U	U	U	M	U	UM	M	M	M	M	U	UU	UU	U	A			M	M	A	M	M	M	M	M	M	M	M	
MAY	H	H	U	G	U	M	M	A	M	U	U	A	M	M	M	M	M	MM													
JUN	M	M	M	M	M	M	M	A	M	M	M	M	M	MM	M																
JUL	M	M						MM	M	G	M	M	A	M				UM	M	M		U	U	U	U	U	M	M	M	U	
AUG	M	U	M	M	M	M		GU	M	U	U	MU		U	MU		G		U	MM	G	G	U	C	A	U	M	M	U	M	
SEP	A	A	M			M	M	U	M	M	M	U	M		M	U	A	A	M	M	A	U	M	M	A	U	M	G	A		

A = Airline; G = General Aviation; M = Military Fixed Wing; U = Unknown; C = Cargo

Wisconsin Wind Data*

*National Weather Service

Month	Prevailing Wind	Greater than 5 kts
Jan	WNW – 11.5	94.0%
Feb	WNW – 12	93.4%
Mar	NW – 13	93.9%
Apr	S – 11.4	93.6%
May	S – 10.4	93.0%
Jun	S – 9.7	91.6%
Jul	S – 9.2	90.1%
Aug	S – 9.1	88.9%
Sep	S – 9.8	90.1%
Oct	S – 10.4	92.2%
Nov	S – 10.7	94.3%
Dec	WNW – 12.4	94.0%
Annual	S – 12.4	92.4%

NOISE ABATEMENT COMPLIANCE AUDIT

WEATHER / RUNWAY DATA	
WINDS AT 5 KNOTS OR HIGHER ¹	76.22%
VISIBILITY AT 5 STATUTE MILES OR LESS	2.18%
RUNWAYS CLOSED ²	$18/36 = 672$ $3/21 = 832$ $14/32 = 3,385$
¹ – Based on METAR weather observations at the time of recorded aircraft operations. ² – Runway closures primarily due to runway maintenance	

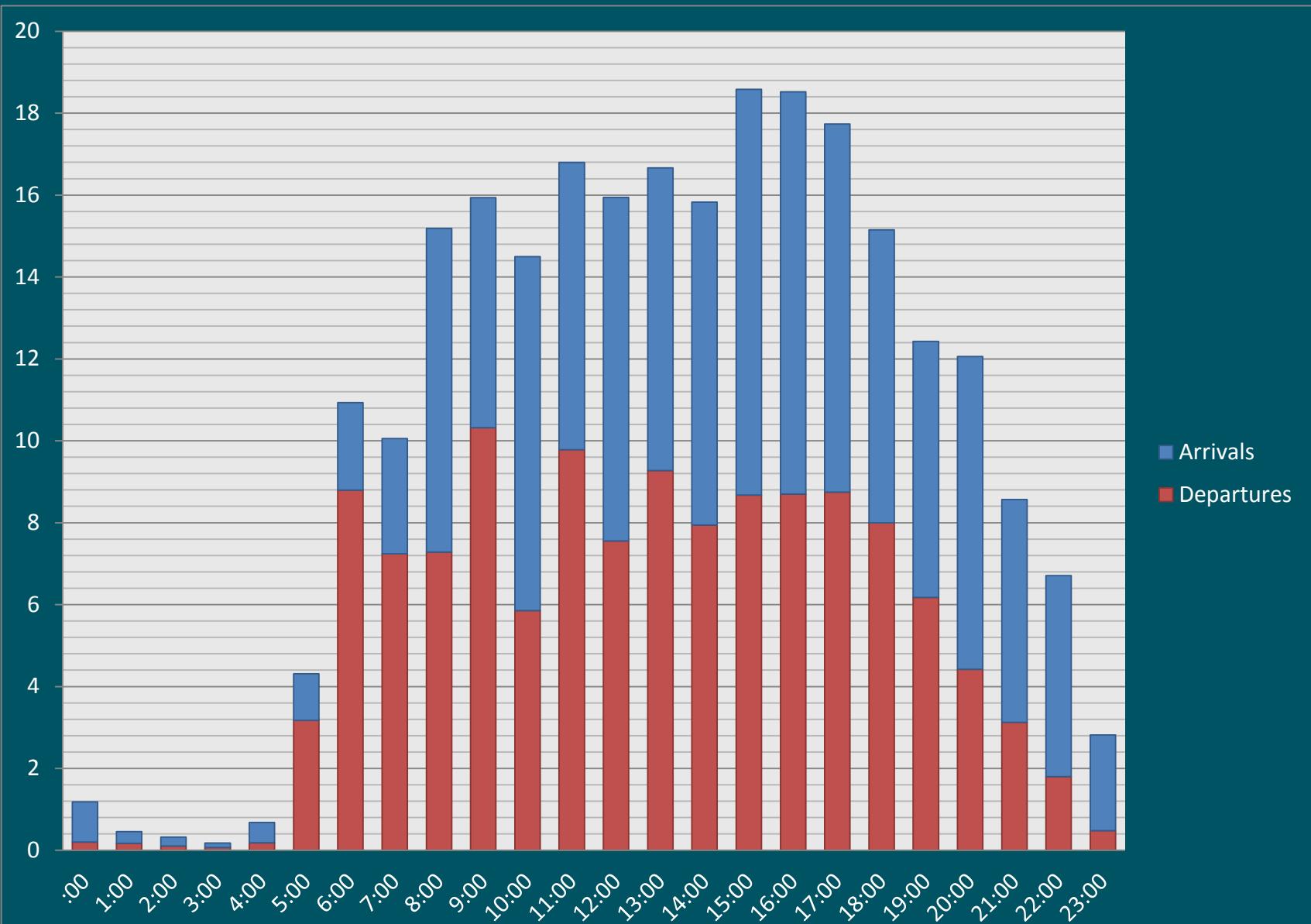
NOISE ABATEMENT COMPLIANCE AUDIT

*** * With 100% compliance of Noise Abatement Procedures, there are times aircraft are required depart to the south and arrive from the south. * ***

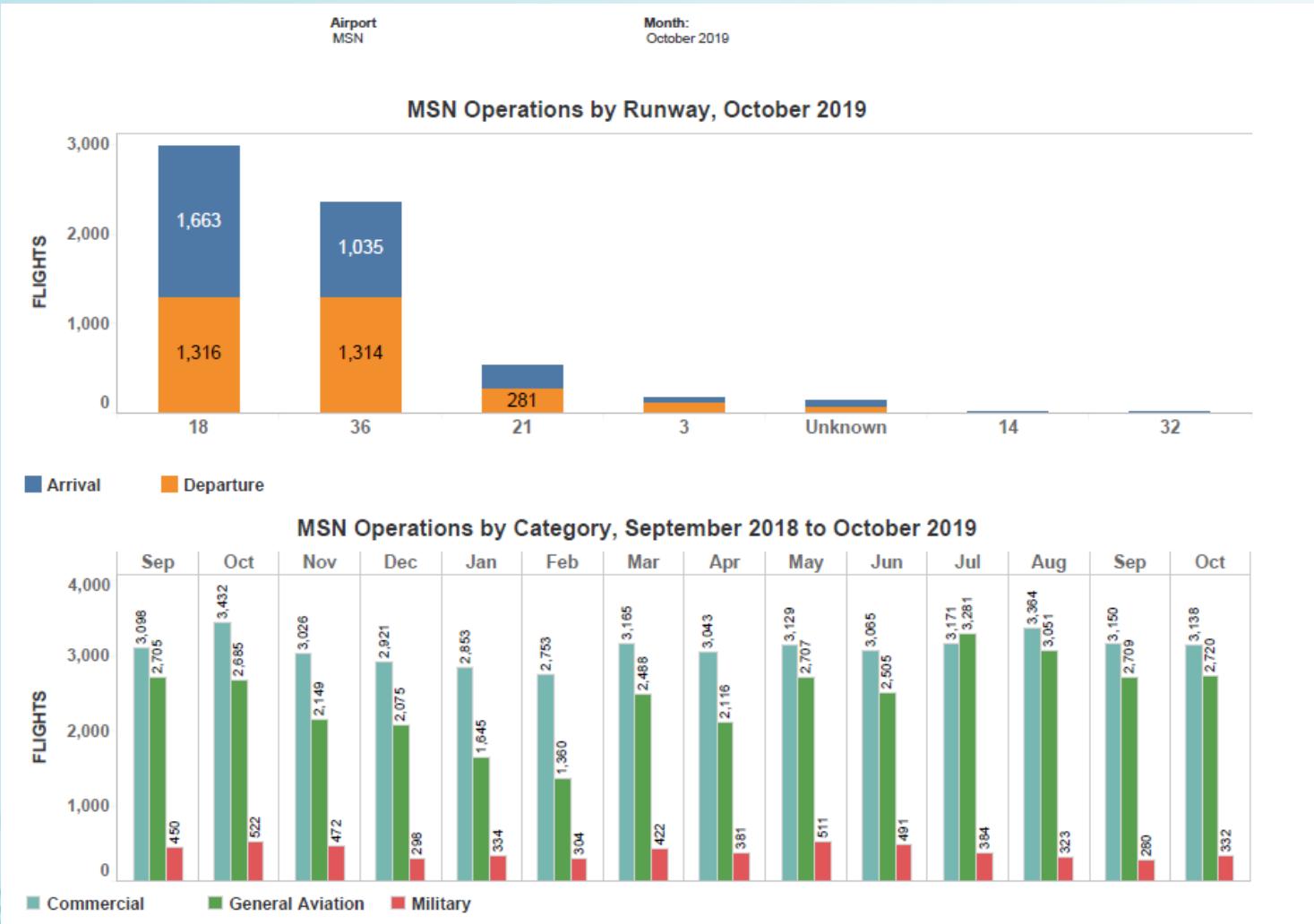
RUNWAY USE FACTORS			
	Wind	Visibility	Ceiling
South Departure	69.33%	2.02%	0.05%
South Arrival	66.42%	5.621%	10.64%

*** * Safety, traffic, airline requirements, and weather are all components which are factored into a pilot's decision when landing and taking off. * ***

AVERAGE HOURLY OPERATIONS



MSN ATCT TRAFFIC INFORMATION



CONTACT INFORMATION

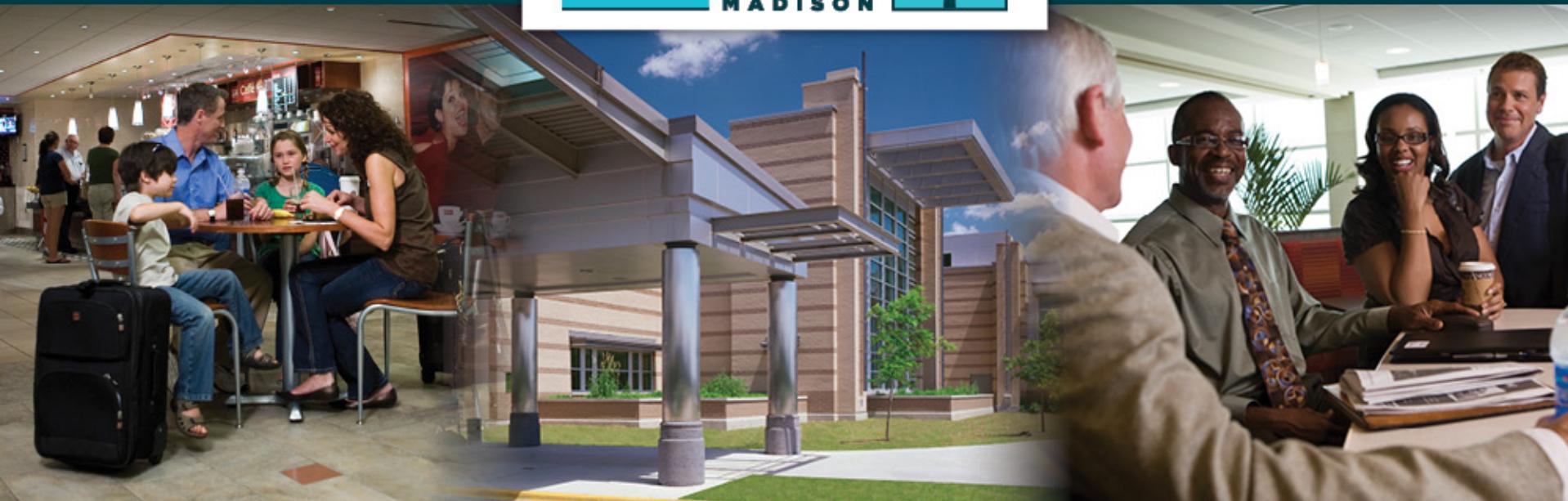
24 Hour Aircraft Noise Line: **246-5841**

Online Form: <http://www.msnairport.com/community/noise.aspx>

Madison Automated Weather: **249-0615**



DANE COUNTY
REGIONAL AIRPORT
MADISON



Questions?



It's all about the journey.