

# NOISE OVERSIGHT COMMITTEE May 15, 2019

Audio recordings are made of this meet

# ITEM 1 REVIEW AND APPROVAL OF JANUARY 16<sup>TH</sup> AND MARCH 20<sup>TH</sup> MEETING MINUTES





NOISE OVERSIGHT COMMITTEE MAY 15, 2019



# ITEM 2 REVIEW OF MONTHLY OPERATIONS REPORTS









# MSP OPERATIONS

	MARCH 2019										APRIL 2019																								
		<b>35,3</b> Operat							<b>2,87</b> ime Op PM – 1	erati	ons AM)								<b>32,</b> Oper									Nigł (10::	nttim	, <b>6(</b> e Ol M –	pera	itions ) AM)	;		
40,000																																	,		
35,000	542	37,132 36,885		2		34,966	31	36,750 37,880		34,906				36,235	<b>—</b>	35,407	36,292	37,665	38,511	35,027	]			397		572 572	35,994 36 785	30,703		178				35,312	
30,000	33,409	ň	32,887	31,896 32356	31,597	34,	33,293 34,331		34.052	34,	32,102	33,103 31,868	,825		33,971	35			33.313	35,	32,268	33,098	30,703 30 000	35,	32,810	34,672			33,162	34,578	31,299	31,781 30 743		35,	32,968
25,000					C								29,	-																			27,944		
20,000	MAY-15	JUL-15	SEP-15	NOV-15	JAN-16	MAR-16	MAY-16	JUL-16	SEP-16		NOV-16	JAN-17		MAR-17		MAY-17		JUL-17	SEP-17		NOV-17		JAN-18	MAR-18		MAY-18			SEP-18		NOV-18			MAR-19	

## **MSP OPERATIONS**

MARC	H 2019	APRIL 2019						
<b>35,321</b> Operations	<b>2,877</b> Nighttime Operations (10:30 PM – 6:00 AM)	<b>32,968</b> Operations	<b>2,665</b> Nighttime Operations (10:30 PM – 6:00 AM)					



## RUNWAY USE

	MARCH 2019			APRIL 2019	
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS	NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
46%	30%	16%	37%	48%	8%

	2019 YTD			2018 YTD	
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS	NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
42%	38%	13%	39%	38%	14%





### **MSP OPERATIONS**

#### 2019 MSP CARRIER JET USAGE WITH CUMULATIVE CERTIFICATED NOISE LEVELS



CUMULATIVE CERTIFICATED NOISE LEVELS REPRESENTED AS A RANGE TO ACCOUNT FOR MULTIPLE CERTIFICATION VARIABLES (WEIGHT, MODEL, ENGINE TYPE, AIRFRAME CONFIGURATION, ETC)

# MSP COMPLAINTS

			MARC	H 20	19					APRI	L 20	19	
CON	MPLAINT	S		L	LOCATIO	NS		CON	<b>IPLAINTS</b>			LOCATIONS	6
	13,111				251				15,473			303	
Operatio	ons per Comp	olaint	New Locati	ons	Average	M	edian	Operatio	ns per Complain	t New Loca	tions	Average	Median
	2.7		15		52		4		2.1	23		51	5
20,000													
18,000												e	
16,000									33			,643 18,513	
14,000								- L	16,293 16,727 ,282			1033	473
12,000	27			13,196		,	012	559 14,617	15,		3,336	13,450 14,453 16 3,137	<mark>م –</mark> –
10,000	12,827 1,664 12.475	2,222		13,	11,063 12,227 12,227 12,035		2,012	12,55	44	06	13,	13, 13, 13, 13, 13, 13, 13, 13, 13, 13,	2,307
8,000		244		0,040	11,063 12,2 10,878	9,983			10,844			9,508	9,220
6,000	8,720	6	20 22				7,457		8			<b>ග</b>	9, 6, 972
4,000			6,95 5,913 5,547 7,4			нини	7,4			7,1, 5,834 6,018			6,5
2,000													
0													
	MAY-15 JUL-15	SEP-15	NOV-15 JAN-16	MAR-16	MAY-16 JUL-16	SEP-16 NOV-16	JAN-17 MAR-17	MAY-17	JUL-17 SEP-17 NOV-17	JAN-18 MAR-18	MAY-18	JUL-18 SEP-18 NOV-18	JAN-19 MAR-19
	JL JL	SE	N Q N Q	ΔA	JL JL	SE NO	AL AM	Σ	JL SE NO	AL AM	Σ	JL SE NO	AL MM

## MSP COMPLAINTS





# **TOP 10 LOCATIONS**

### FILED **17,245** (60%) COMPLAINTS DURING MAR & APR

**8 OF 10** LOCATIONS WERE IN THE TOP 10 FOR JAN – FEB DATA

**256** (65%) LOCATIONS FILED 10 OR LESS COMPLAINTS

	MARCH 2019			APRIL 2019	
Time Above	<b>42</b> s TA <sup>65</sup> per operation	<b>408<sub>h</sub> 8<sub>m</sub></b> TA <sup>65</sup>	Time Above	<b>52</b> s TA <sup>65</sup> per operation	<b>478<sub>h</sub> 27<sub>m</sub></b> TA <sup>65</sup>
Count Above	<b>2.36</b> N <sup>65</sup> per operation	<b>83,418</b> N <sup>65</sup>	Count Above	<b>2.81</b> N <sup>65</sup> per operation	<b>92,699</b> N <sup>65</sup>

MAY-15	474 H 06 M
JUL-15	483 H 12 M 474 H 44 M
	500 H 27 M
SEP-15	455 H 51 M
NOV-15	518 H 27 M 484 H 41 M
) - )	447 H 00 M
JAN-16	342 H 53 M
	363 H 21 M
MAR-16	520 H 10 M
	506 H 10 M
MAY-16	470 H 22 M
	499 H 53 M
JUL-16	487 H 26 M
	503 H 50 M
SEP-16	- 11
	543 H 51 M
NOV-16	490 H 04 M
	388 H 27 M
JAN-17	363 H 58 M
	391 H 31 M
MAR-17	481 H 06 M
	509 H 07 M
MAY-17	513 H 41 M
	481 H 47 M
JUL-17	454 H 29 M
	506 H 47 M
SEP-17	444 H 17 M
	505 H 44 M
NOV-17	437 H 46 M
	365 H 26 M
JAN-18	291 H 03 M
	261 H 17 M
MAR-18	425 H 09 M
	381 H 17 M
MAY-18	434 H 51 M
	477 H 41 M
JUL-18	448 H 19 M
	472 H 04 M
SEP-18	446 H 38 M
	501 H 47 M
NOV-18	402 H 58 M
	394 H 40 M
JAN-19	372 H 54 M
	257 H 27 M
MAR-19	408 H 08 M
	478 H 27 M

	MARCH 2019			APRIL 2019	
Time Above	<b>42</b> s TA <sup>65</sup> per operation	<b>408<sub>h</sub> 8<sub>m</sub></b> TA <sup>65</sup>	Time Above	<b>52</b> s TA <sup>65</sup> per operation	<b>478<sub>h</sub> 27<sub>m</sub></b> TA <sup>65</sup>
Count Above	<b>2.36</b> N <sup>65</sup> per operation	<b>83,418</b> N <sup>65</sup>	Count Above	<b>2.81</b> N <sup>65</sup> per operation	<b>92,699</b> N <sup>65</sup>

120,000

U	0	20,000	40,000	60,000	80,000	100,000
MAY-15				89,	),774	
JUL-15					93,827 95,333	
SEP-15				8	97,919 89.765	
					95,859	
NOV-15				85	89,373 5 909	
JAN-16			70	,344		
MAR-16					98,466	
MAY-16				″ 6	91,967	
JUL-16					98,244 99,132	
SEP-16					101,693 96,602	~
					101,946	
NOV-16				1	92,096	
JAN-17						
MAR-17				/ 5,454	4 93,252	
MAY-17		-			95,553 97 238	
					95,365	_
JUL-17					94,436	Г
SEP.17				87	98,847 883	_
				-	95,472	
NOV-17				83,3	362	
JAN-18			7: 61_09	73,949 97		
			[ <b>  ^</b>		[	
MAR-18		-		76.429	128	
MAY-18				-	88,436	
•					96,909	
JUL-18				57	92,738 98,182	_
SEP-18				86	89,809	-
				96 80 533	96,020	
- - >				80,645	15	
JAN-19				5,3		
~			57,926		0	
MAK-19				83,418 92 6	418 92 699	
					2	

	MARCH 2019	)		APRIL 2019	
Time	<b>42</b> s	<b>408<sub>h</sub> 8<sub>m</sub></b>	Time	<b>52</b> s	<b>478<sub>h</sub> 27<sub>m</sub></b>
Above	TA <sup>65</sup> per operation	TA <sup>65</sup>	Above	TA <sup>65</sup> per operation	TA <sup>65</sup>
Count	<b>2.36</b> N <sup>65</sup> per operation	<b>83,418</b>	Count	<b>2.81</b>	<b>92,699</b>
Above		N <sup>65</sup>	Above	N <sup>65</sup> per operation	N <sup>65</sup>
60					



	MARCH 2019												APRIL 2019											
	ïme bove		т	Ā <sup>65</sup> p	<b>42</b> s er op		on			<b>8<sub>h</sub> 8</b> TA <sup>65</sup>	m			ime bove	,	TA		<b>2</b> s opera	ation		4	78 <sub>h</sub> TA	<b>27</b> m	1
A	oun bove		1	№ <sup>65</sup> ре	<b>2.36</b> er ope		n		83	<b>,41</b> N <sup>65</sup>	8			ount bove		N <sup>6</sup>		. <b>81</b> opera	ition			92,6 N <sup>6</sup>		
3.0 - 2.8 -												/										٩,		7
2.6 -							<u> </u>		í		/							<b>Q</b>	-		_		•	
2.4 -										I	<b></b> 0													
2.0 -																								4
1.8 –	MAY-15	JUL-15	SEP-15	NOV-15	JAN-16	MAR-16	MAY-16	JUL-16	SEP-16	NOV-16	JAN-17	MAR-17	MAY-17	JUL-17	SEP-17	NOV-17	JAN-18	MAR-18	MAY-18	JUL-18	SEP-18	NOV-18	JAN-19	MAR-19

# NOISE ABATEMENT

MARCH 2019	APRIL 2019
Runway 17 99.3%	Runway 17 99.7%
Corridor 95.9%	Corridor 89.3%
Cross Day <b>29.7%</b>	Cross Day 26.2%
Cross Night 47.6%	Cross Night 39.9%

RUS	55.8%	Arrive – <b>69%</b>	Depart – <b>43%</b>	RUS	52.8%	Arrive – <b>51%</b>	Depart – <b>55%</b>
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# ITEM 3 PUBLIC COMMENT PERIOD









# ITEM 3 PUBLIC COMMENT PERIOD

## Speaking at a Meeting

- Please complete and submit a speaker card.
- Each speaker will have one opportunity to speak and is allotted three (3) minutes.
- When called upon to speak, speak clearly into the microphone, 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.





# ITEM 4 CONVERGING RUNWAY OPERATIONS UPDATE





NOISE OVERSIGHT COMMITTEE MAY 15, 2019



# Item 5 MSP Airport Long-Term Plan and Stakeholder Engagement

NOISE OVERSIGHT COMMITTEE MAY 15, 2019

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# Long-Term Planning Website



### Overview

Community and Stakeholder Engagement

Progress and Schedule

**Documents and Links** 

**Frequently Asked Questions** 

Contact Us

Sign up to receive updates about the project.



# ITEM 6 RUNWAY 17 DEPARTURE OPERATIONS REPORT SCOPE









# Background

- The Runway 17 Departure Evaluation
   was added to the 2019 NOC Work Plan
   as a result of community input during
   the Special Eagan Listening Session and
   October Listening Session
- MAC staff will update the Eagan ARC and NOC in July on the findings and facilitate a dialogue on the contents.



# Objective

Conduct an Evaluation of Runway 17
 Departure Operations and Heading Usage
 Trends

### **≺** <u>Objective:</u>

 Working collaboratively with neighbors and communities south of the airport, the MAC will identify concerns related to Runway 17
 Departures and compile a report that will identify operational necessities of Runway 17, highlight trends in the use of the runway and identify changes experienced post-CRO.



## 2. Pre-CRO Day v Post-CRO Day

- a. How has a typical South Flow day changed?
  - i. Daily peak hour trends
  - ii. Past departure peaks and current departure peaks
  - iii. Build a typical day for Runway 17departures pre-CRO and compare it to aday post-CRO
- b. Successive Days in a South Flow
- c. Examine departure runway distribution during South Flow



### **Runway 17 Frequency of Demand**

#### 2014

# **3. Flight frequency**

 Analyze 15 minutes segments and produce metrics highlighting the frequency of flights departing Runway 17. Compare pre-CRO to post-CRO







# 4. Headings

- a. Evaluations of Primary Headings
  - i. Compare IFR vs VFR
  - ii. Evaluate 105° and 170° departure headings
- b. Headings in a Mixed Flow A vs. SouthFlow
- c. Provide data on aircraft destination by heading
- d. Highlight the use of headings by time of day



48 AOL

52,801

51,20

2018 Runway

**Arrival Event** 

10,000

66,00

67,00

# **5. Noise Model Data**

a. Develop Count Above 65 dB density
 graphics for Runway 17 departures
 pre-CRO and post-CRO

## 6. Land Use

a. Provide an overhead graphic of land use for areas that underlie typical Runway 17 departure paths.
Categorize land uses as compatible or non-compatible



## 7. Runway 17 EA

 Compare actual operations to assumptions made in the Runway 17
 Departure Procedure EA



**Final Environmental Assessment and Finding** of No Significant Impact (FONSI) / Record of Decision (ROD)

Environmental Assessment for the Implementation of a Departure Procedure off of Runway 17

Minneapolis-St. Paul International Airport

Prepared by the MAC Aviation Noise and Satellite Programs Office



# ITEM 7 MACNOISE.COM WEBSITE REDESIGN











# **Input Wanted**

- How do you use the current sites?
- **What do you appreciate about the current sites?**
- What changes to the sites would help provide better service?
- Are there certain functions we could add that our users would appreciate having?
- Do you have any favorite websites that provide information or functionality you would like to see on the MAC site?



# ITEM 8 SPRING LISTENING SESSION UPDATE









### **Item 8: Spring Listening Session Update**

7 residents from Mendota Heights, Sunfish Lake, Eagan, Richfield and St. Paul attended the Spring Listening Session

The meeting was also attended by representatives from MAC Staff, FAA Staff, NOC Members Dan O'Leary and Paul Borgstrom, Mendota Heights Airport Relations Commission, Mendota Heights mayor Neil Garlock and Council Member Liz Petschel.

MAC staff opened with an introduction and presentation. Slides are available at:

http://www.macnoise.com/our-neighbors/msp-quarterly-listening-sessions

The open floor conversation focused on Runway 12L and 12R departures.

- The MAC Noise Abatement Dashboard
- Departure paths from Runways 12L and 12R
- History of the Eagan-Mendota Heights Corridor Procedure
- Crossing-in-the-Corridor Procedure
- Turboprop departures over Mendota Heights







# ITEM 9 ANNOUNCEMENTS

<u>July NOC Meeting</u> Wednesday, July 17, 2019 @ 1:30 PM MAC General Offices Lindbergh Conference Room





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