

ITEM 2

DATE: September 25, 2014
TO: Aviation Advisory Board
FROM: Julie Leonard, Transportation and Mobility Deputy Director
BY: Florence Straugh, Acting Assistant Airport Manager
SUBJECT: Budget Appropriation for Noise Monitoring Terminal Equipment



The Executive Airport is requesting a budget appropriation to fund the replacement equipment of four (4) Noise Monitoring Terminals (NMT) during the current Fiscal Year, 2013-2014, which was budgeted for \$120,000. The actual purchase amount for the project was \$115,716. The project was to replace the equipment on four existing structures and to upgrade modems and lines from dialup to DSL.

Five days after the purchase order was approved, the County informed the Airport that the water tower, on N.E. 9th Avenue where NMT site #1 was located, would be demolished and that the Airport's NMT equipment needed to be permanently removed.

This new task required more time to coordinate and added costs to the project. The cost included removing the existing NMT equipment, purchasing and installing one (1) new mast, and coordinating utility connections and permitting. The cost for the additional equipment and installation will be \$18,962.

The Airport worked with the noise consultant to locate a suitable site for the new NMT location. A new site was found on NW 59th Street west of the Tri-Rail Cypress Creek Station, and coordination efforts with the property owner have been underway to secure a possible location.

The project will not be completed by the end of this Fiscal Year, 2013-2014. Therefore, the City's policy is that the project's purchase order be closed and the funds released back to the Airport Fund balance on September 30, 2014. The Airport must then request a budget appropriation to encumber the funds for the project for the next Fiscal Year, 2014-2015.

There will be a fiscal impact to the City in the amount of \$134,678 for FY2014-2015.

Staff Recommendation

It is recommended that the Board approves the budget appropriation for four (4) Noise Monitoring Terminal (NMT) units and one (1) new installation in the amount of \$134,678.

ITEM 3 WALK-ON ITEM

DATE: September 25, 2014
TO: Aviation Advisory Board
FROM: Julie Leonard, Transportation & Mobility Deputy Director
BY: Florence Straugh, Acting Assistant Airport Manager
SUBJECT: Airport Noise Abatement Consultant Services – Request for Proposal
(RFP) 545-11443 - \$49,450

The City of Fort Lauderdale has worked for years with the community to reduce noise from turbojet aircraft and is committed to continually develop ways to reduce aircraft noise. The Airport continues that effort with its comprehensive Noise Compatibility Program (NCP) that relies upon a partnership between the community, airport users, and City staff. The NCP was established through extensive public involvement to minimize aircraft noise over neighboring communities. A large element of the NCP is monitoring airport activity and industry trends to better address noise concerns. This is accomplished through evaluating, guiding, and updating components of the program, requiring highly specialized experts in airport noise.

On June 3, 2014, the City issued a Request for Proposal (RFP) #545-11443 for noise abatement consultant services. The RFP received two responses by the closing date on July 12, 2014. The two firms are listed below.

Harris Miller Miller and Hanson, Inc. (HMMH)
Landrum and Brown, Incorporated (L&B)

From the proposals submitted, both firms showed that they were highly experienced in the field of airport noise and related airport work. An evaluation committee reviewed and ranked the proposals according to the evaluation criteria. The committee noted that the HMMH Team had extensive experience with general aviation airports and other significant work experience in Florida and around the country. The committee also recognized HMMH's thorough understand of the Airport's NCP history and relevant program needs that were reflected in the committee's collective points. The top ranked firm was HMMH and the committee selected HMMH as their recommendation for the award.

There will be a fiscal impact to the City not to exceed the amount of \$49,450.

Recommendation

Staff recommends awarding a one-year contract for the purchase of noise abatement consultant services to Harris Miller Miller & Hanson, Inc., in the amount of \$49,450, which is not to be exceeded annually, and authorizing the City Manager to approve three, one-year renewal options, contingent upon appropriation of funds.

UPDATE ITEM A

DATE: September 25, 2014
TO: Aviation Advisory Board
FROM: Julie Leonard, Transportation & Mobility Deputy Director
BY: Florence Straugh, Acting Assistant Airport Manager
SUBJECT: Noise Compatibility Program Update



Noise Exposure Map (NEM) Update

The draft of the NEM Update has received preliminary review comments from the Federal Aviation Administration (FAA). Once the new consultant contract is executed by the City, efforts to incorporate FAA's comments into the draft will commence. As a reminder, we will notify the Board and the public of the 30-day public review and comment period.

NMT Replacement Equipment

The Initial contact has been made with the Regional Transportation Authority to explore relocating an NMT at the west side of the Tri-Rail Cypress Creek Station at the southwest corner of their parking lot. We will keep the Board updated on the relocation progress.

Nighttime Jets

There were no jets over 80 dB at night between 10:00 p.m. and 7:00 a.m. in August 2014.

Noise Abatement Cooperative Effort

The data below summarizes the monthly noise and operations statistics for August 2014:

	Aug-14
Total Jet Departures	789
Runway 26 Departures	87
Runway 08 Departures	701
Runway 13-31 Departures	1
Total I-95 Turns	401
% I-95 Turns - Rwy 8 Jet Deps	57%
Noise Events at Monitor #1	309
Noise Events at Monitor #2	137
Jet Events over 80 dB at Monitor #1	55
Jet Events over 80 dB at Monitor #2	8
No. of Households Reporting	9
No. of Noise Reports	50



COOPERATIVE NOISE ABATEMENT EFFORT

Month of August

September 25, 2014

Operations	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14
Total Jet Departures	736	622	778	1015	1110	979	1026	1040	956	865	784	853	789
Jet Departures Rwy 26	56	89	97	126	170	475	345	297	145	69	94	236	87
Jet Departures Rwy 8	680	532	681	889	940	504	680	743	811	796	690	617	701
Jet Departures Rwy 13 and 31	0	1	0	0	0	0	1	0	0	0	0	0	1
Jet Departures Rwy 8													
Jet Departures I-95 Turn	359	292	427	532	543	258	392	437	488	475	383	334	401
% Jet Departures I-95 Turn	53%	55%	63%	60%	58%	51%	58%	59%	60%	60%	56%	54%	57%
Jets Over 80 dB at NMT #2	6	14	8	12	17	13	15	13	14	21	12	8	8
Prop Departures Rwy 8													
Prop Over 80 dB NMT #2	32	17	17	20	43	16	28	22	43	34	26	24	26
Nighttime Jet Deps (10 p.m. - 7 a.m.)													
Total Nighttime Jet Departures	60	59	68	95	112	94	100	104	78	71	68	64	61
Nighttime Jet Deps Rwy 26	7	14	9	17	16	53	41	40	8	9	17	17	4
Nighttime Jet Deps Rwy 8	53	45	59	78	96	41	59	64	70	62	51	47	57
Nighttime Jet Deps Rwy 13 and 31	0	0	0	0	0	0	0	0	0	0	0	0	0
Nighttime Jet Deps Runway 8													
Nighttime I-95 Turns 11 p.m. - 7 a.m.	49	41	52	66	77	33	54	55	67	50	41	35	49
Nighttime Straight-Out 10 p.m. - 7 a.m.	0	5	7	0	18	8	5	9	6	1	10	12	8
Nighttime Jets Over 80 dB 10 p.m. -7 a.m.	0	0	0	0	0	0	0	1	0	1	1	0	0
Noise Reports													
	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14
Noise Reports by Aircraft Category at FXE													
# Noise Reports on Jets	4	6	6	11	25	17	20	14	10	4	6	7	6
# Noise Reports on Propellers	1	6	5	14	51	26	25	11	13	6	12	11	34
# Noise Reports on Helicopters	6	2	15	15	24	17	12	9	9	23	9	0	6
# Noise Reports - unmatched	0	1	1	1	3	0	0	0	2	0	0	0	0
# Noise Reports - FLL & Other													
Airports' Overflights	0	4	6	0	5	1	1	1	1	2	2	2	4
Total Noise Reports	11	19	33	41	108	61	58	35	35	35	29	20	50
# of Households Reporting	6	8	10	9	25	13	22	22	13	12	15	9	9

Notes:

Noise Monitor Terminal #2 (NMT #2) - noise levels in decibels (Lmax) recorded at NMT #2
 On March 4-5, 2014, FLL radar was down for maintenance, radar data was missing
 On March 12, 2014, 1435-1533 radar data was missing
 On March 13, 2014, 1329-1415 and 1508-1528 radar data was missing



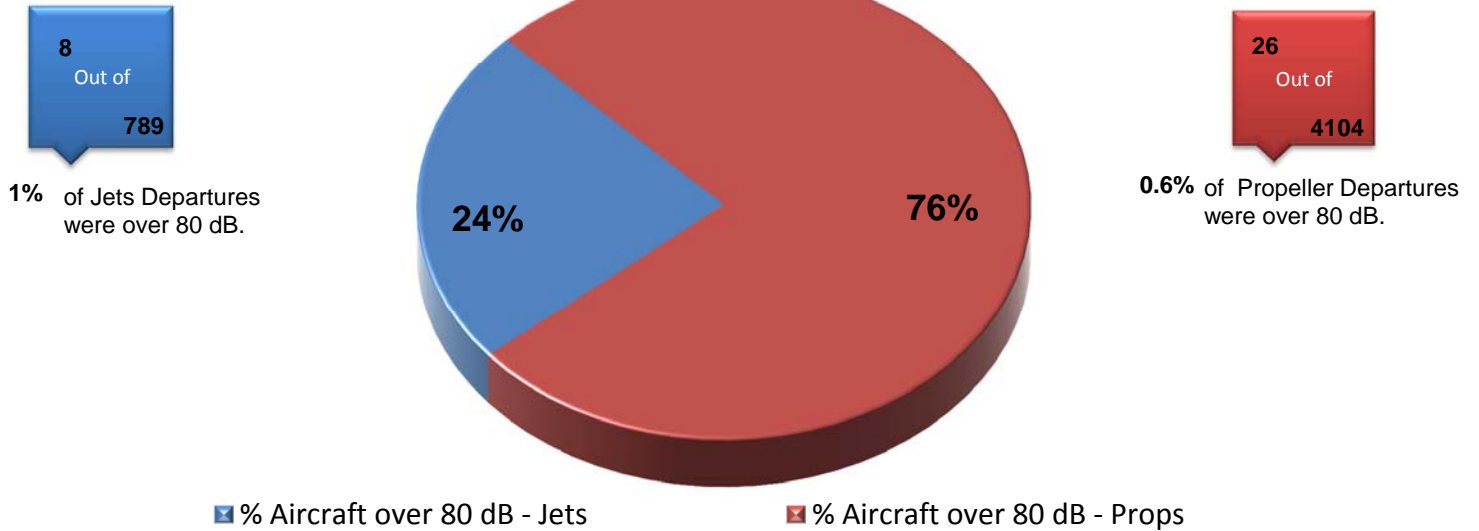
COOPERATIVE NOISE ABATEMENT EFFORT

Month of August

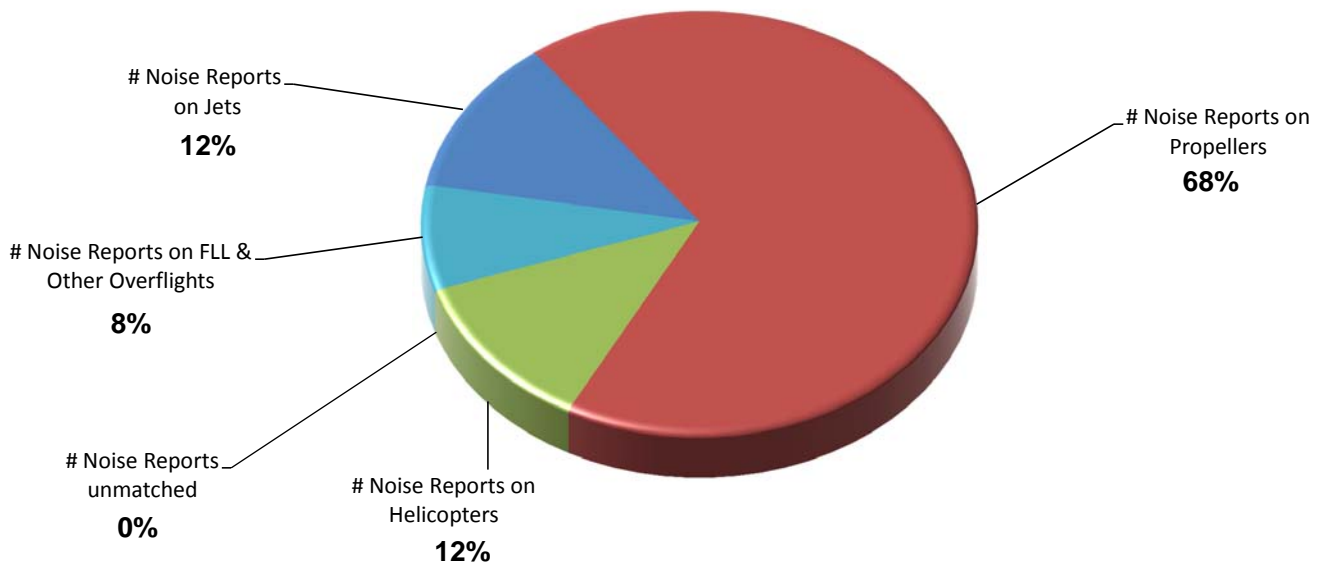
September 25, 2014

Monthly Operations over 80dB Per Aircraft Type

Total Percentage of Departures Over 80 dB: 0.7%



Monthly Noise Reports Per Aircraft Type





COOPERATIVE NOISE ABATEMENT EFFORT

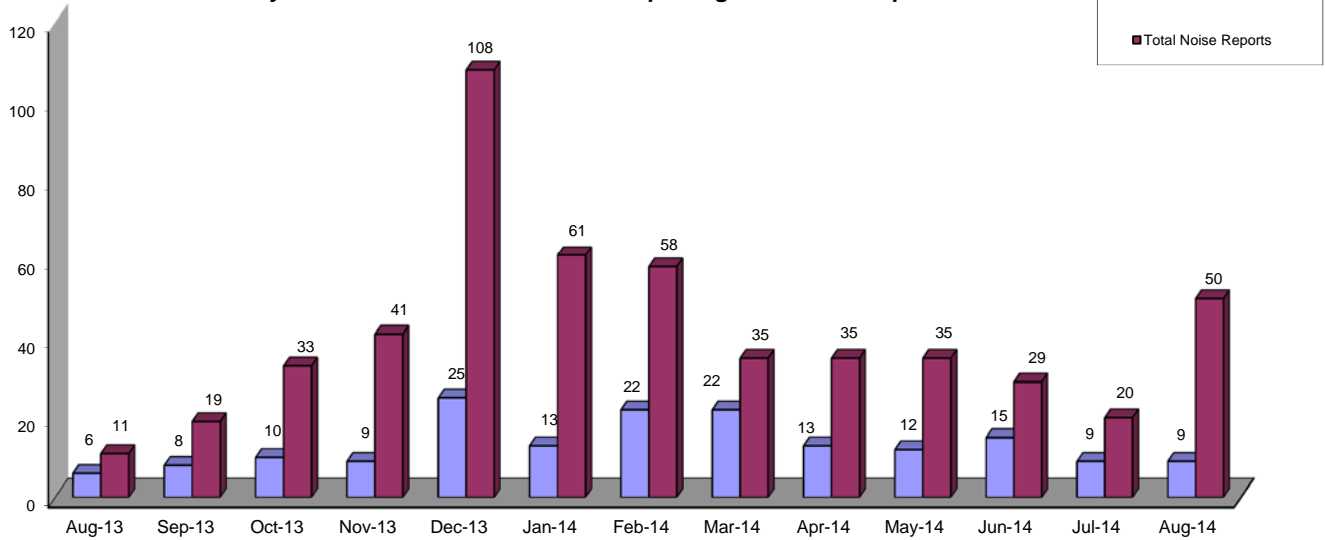
Month of August

September 25, 2014

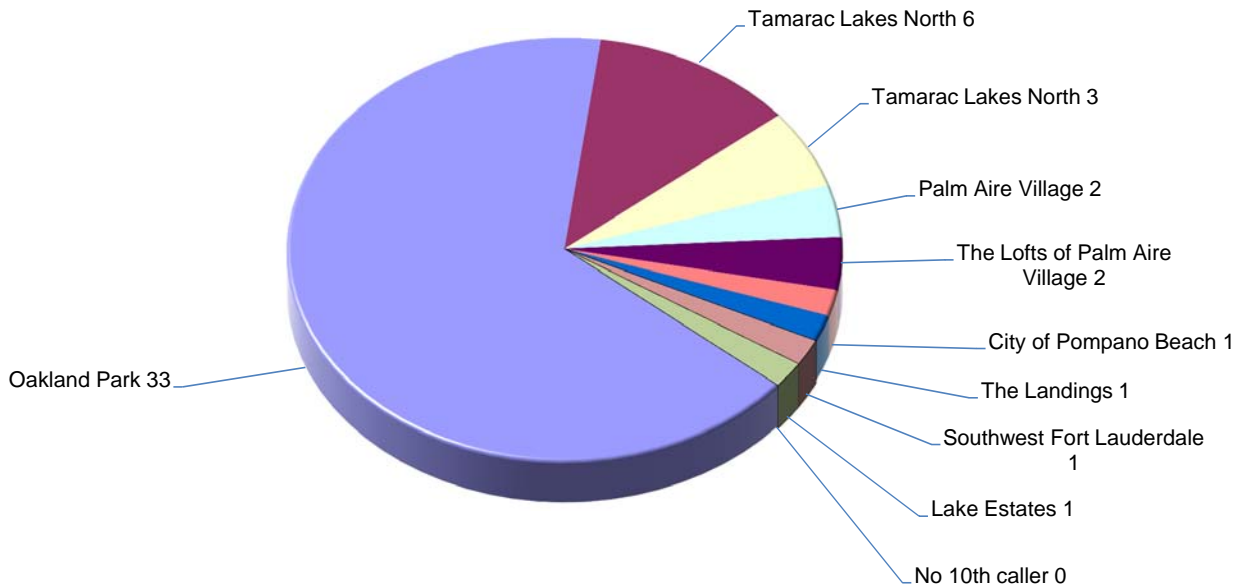
Number of total households contacting FXE to report aircraft noise:

9

Monthly Total Number of Households Reporting and Noise Reports



Report Distribution by Household
9 Households made 50 aircraft noise reports or 100% of the 50 total noise reports





COOPERATIVE NOISE ABATEMENT EFFORT

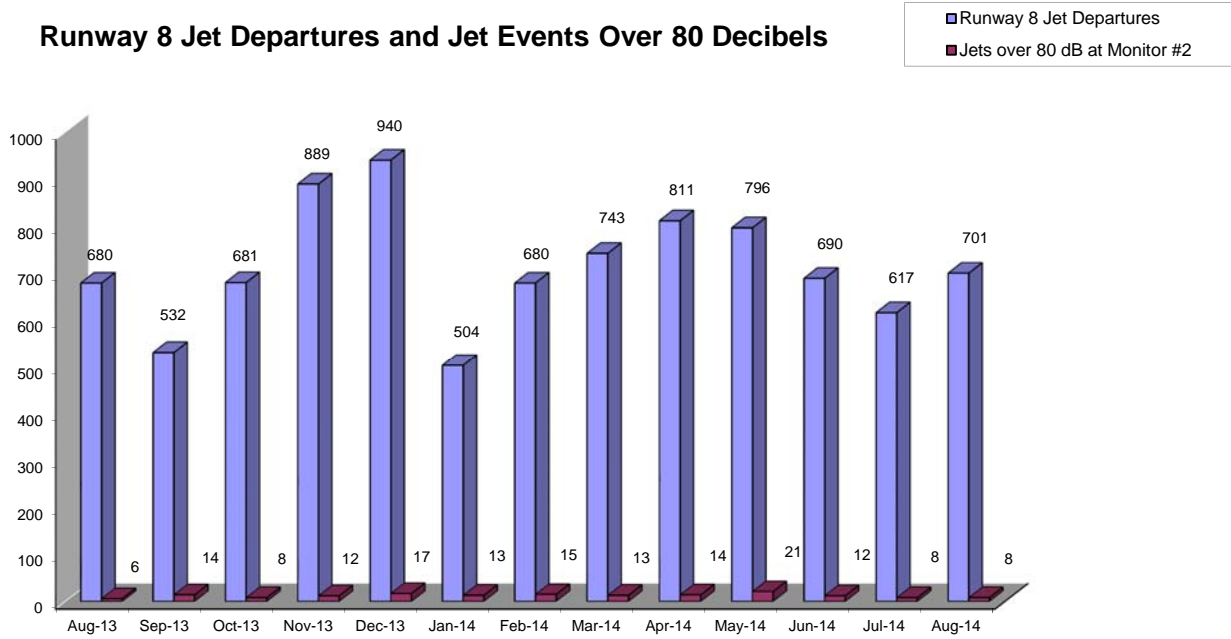
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September 25, 2014

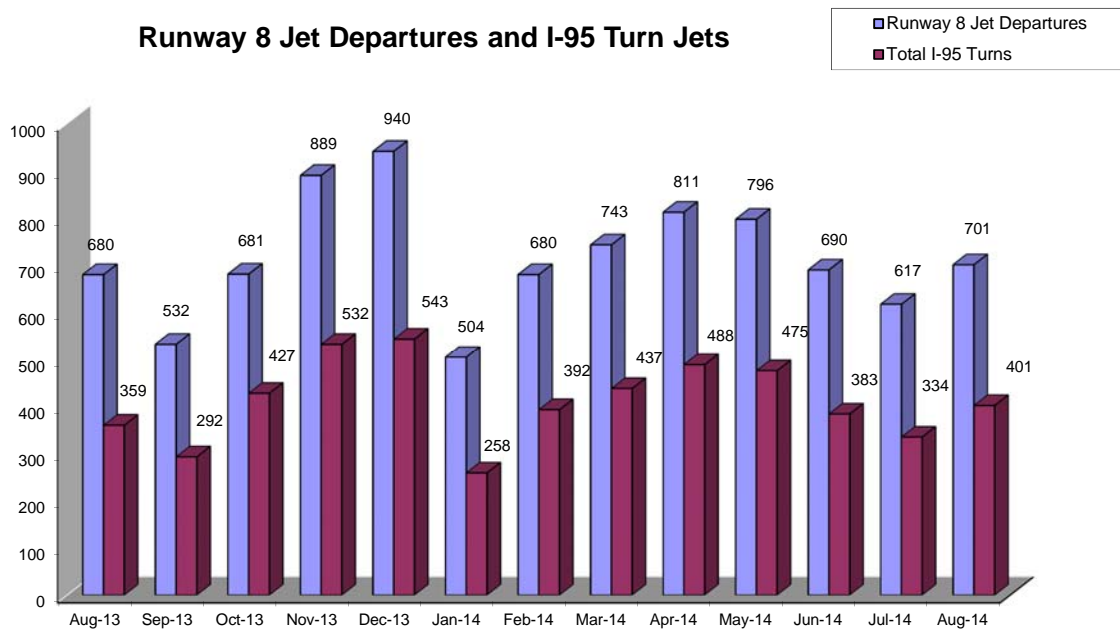
Number of Runway 8 Jet Departures over 80 decibels:

8

Runway 8 Jet Departures and Jet Events Over 80 Decibels



Runway 8 Jet Departures and I-95 Turn Jets



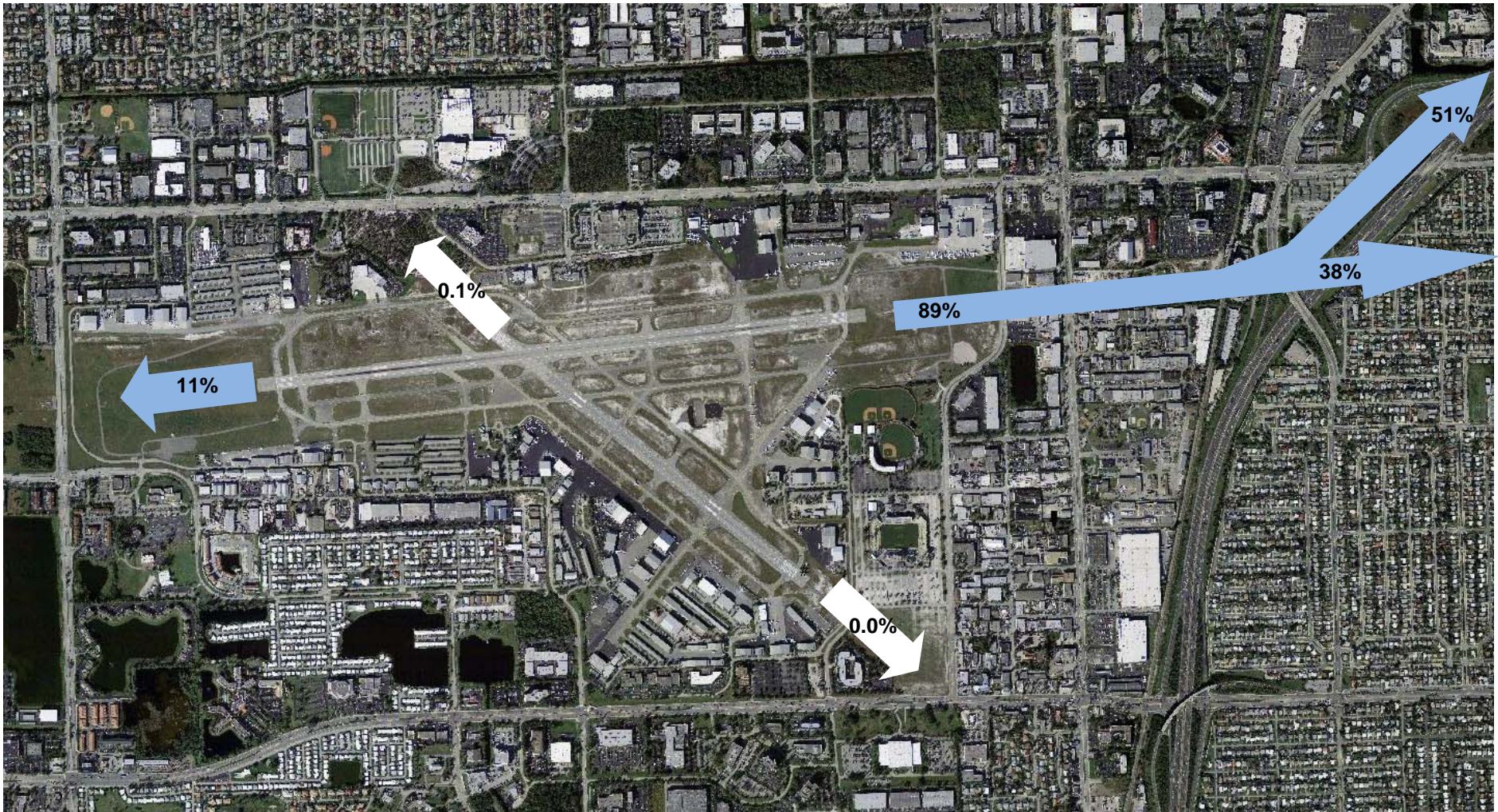


COOPERATIVE NOISE ABATEMENT EFFORT

Month of August

September 25, 2014

Percentage of Jet Departures Per Runway



UPDATE ITEM B

DATE: September 25, 2014
 TO: Aviation Advisory Board
 FROM: Julie Leonard, Transportation and Mobility Deputy Director
 BY: Rufus James, Assistant Airport Manager
 SUBJECT: Airport Development and Construction



P-12069 Earthwork Improvements Parcels B-C-D

The Parcels B-C-D Earthworks Improvement project is ninety percent complete. This project has addressed some environmental issues and will ensure that the elevation of each Parcel is raised for the purpose of creating marketable conditions for development in the near future. The contractor, JMS Construction Services is continuing to collect clean fill from the Airport to establish berms on Parcels B & C. Additionally the contractor has sifted through excess fill on Parcel D and will haul off site all of the left over debris. The project is on schedule and expected to be completed in October 2014. We will provide the Board with a final update once the project is completed.

P-11242 U.S. Customs and Border Protection Facility

The construction of the new United States Customs and Border Protection Facility is on schedule. Since the last Board update, the Contractor, Pirtle Construction Company has commenced working on the installation of interior framing, electrical and mechanical conduit, and exterior ceiling panels. Additionally, the contractor will also continue with the construction of sidewalks, application of exterior stucco, and installation of plumbing. The project is on schedule and expected to be completed in April 2015. We will continue to provide the Board with updates on the progress of this project.

August 2014

	Date	Aircraft Type	Problem
Alert II	8/3/14	B35	Alternator Failure
Alert III	8/29/14	PA-32	Landing Gear Failure

Airport Operations	August 2013	August 2014
Total Operations	13,548	14,385
12 month Cumulative	158,398	168,157

Operations 10:00pm to 7:00am	674
Average Operations per night	22

Customs Operations	August 2013	August 2014
Total Aircraft Cleared	933	914
12 month Cumulative	12,234	12,371
Total Passengers/Crew	3,665	3,667
12 month Cumulative	43,990	45,836

Helistop Operations		
Total Operations	60	88
12 month Cumulative*	912*	484**

*Data missing from Aug. '12 thru Mar. '13

**Data missing from August 2014

UPDATE ITEM C

DATE: September 25, 2014
TO: Aviation Advisory Board
FROM: Julie Leonard, Transportation and Mobility Deputy Director
BY: Diana McDowell, Administrative Assistant II
SUBJECT: Arrearages



Rent

The arrearages to report for the months of July and August 2014 are as follows:

DHS Investments, LLC – Parcel 8G

Fuel Flowage

There are no arrearages to report.