Update for 33L Municipal Working Group Legislators

July 21, 2016

Myron Kassaraba
Belmont Representative to the
Logan & Massport CAC's
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FOR PRESENTATION ONLY - NOT FOR DISTRIBUTION

Meeting Attendees

(alphabetical list)

First Name	Last Name	Role	Community		
Andrea	Adams	Watertown Rep to Massport CAC	Watertown		
Christine	Barber	State Representative	Medford, Somerville		
Wade	Blackman	Staff, Congresswoman Clark	5th Congressional District		
David	Bond	Staff, Congresswoman Clark	5th Congressional District		
Bill	Deignan	Cambridge Rep to LCAC, MCAC	Cambridge		
Dennis	Duff	Watertown Rep to LCAC	Watertown		
Caitlin	Duffy	Staff, Rep. Jay Livingstone	Back Bay, Cambridge		
Sean	Garballey	State Representative	Arlington		
Jonathan	Hecht	State Representative	Cambridge, Watertown		
Dan	Hurley	Staff, Rep. Paul Donato	Malden, Medford		
Patricia	Jehlen	State Senator	Medford		
Myron	Kassaraba	Belmont Rep to LCAC, MCAC	Belmont		
Chris	Lange	Staff, Senator Warren	Massacusetts		
Jon	Lenicheck	Staff, Congressman Capuano	7th Congressional District		
Barbara	Miranda	Chief of Staff, Senator Brownsberger	Belmont, Watertown, Boston		
Jordan	Neerhof	Staff, Re. Denise Provost	Somerville		
Kelsey	Perkins	Staff, Congresswoman Clark	5th Congressional District		
David	Rogers	State Representative	Arlington, Belmont		
Jarred	Rose	Staff, Senator Pat Jehlen	Cambridge, Medford, Somerville, Winchester		
Harvey	Steiner	Watertown Rep to LCAC	Watertown		
Bill	White	Alderman at Large	City of Somerville		
Wig	Zamore	Somerville Rep to LCAC, MCAC	Somerville		

Slides from Previous 33L Working Group Meeting

Held in Belmont, October 25, 2015

Provided for context for new attendees

Objectives of 33L RNAV Municipal Working Group (from Oct. 2015 meeting)

- Gain a common understanding of the situation based on data and facts.
- Work as a coalition of communities most affected by 33L RNAV SID to demand assistance from Massport and an audience with the FAA.
- Work together to further enlist the support of our Legislators and Congressional delegation to put pressure on Massport and the FAA to be responsive.
- If deemed beneficial, provide shared funding to enlist experts or to commission a professional noise study.

Our Communities & Residents Deserve an Audience with the FAA

(from Oct. 2015 33L Municipal Working Group meeting)

- We have been trying to engage with the FAA for 2 years on the concentration of noise that resulted from 33L RNAV SID
- We and our Legislators have been stonewalled and given the run-around (Post-implementation Review, go to the Logan CAC, now take it up with Massport)
- We want the FAA to sit down with the communities affected by 33L RNAV SID to explore alternatives and/or modifications to decrease the negative impact on a subset of our residents and return to a more fair distribution of flights.

Where are we?

- In January, 2015 a motion was made by Arlington, Belmont, Cambridge and Watertown to ask Massport and the FAA to reexamine 33L RNAV SID in light of massive increase in complaints and community feedback and to explore alternatives or modifications. The FAA responded that this issue needed to be sponsored by Massport for them to review the procedure.
- At our 33L Municipal Working Group Meeting in October of 2015 the Municipalities elected not to invest in consulting resources or a noise study before trying to see what Massport was willing to do.
- Congressional delegation called meeting with FAA in Milton in December 2015 – 700 people showed up. There has been no official response from the FAA to any of the issues brought up by residents and communities at that meeting.
- Bill Deignan and Myron met with Massport in January 2016 we were told that 33L RNAV was "part of a bigger RNAV initiative" and that is would likely be addressed by a broader program with the FAA.

BLANS – Logan CAC

- Logan CAC, Jan 2015 official motion on 33L RNAV re-examination was deflected to the BLANS runway use plan. Runway use has absolutely nothing to do with with RNAV flight paths.
- BLANS Phase 3 Runway Use Plan mired in debate and complexity – funding is running out on 9/30/16. May not yield anything that would be approved by a majority of CAC communities.
- BLANS will end by year-end. Future of Logan CAC uncertain.

Massport CAC

- Held first official meeting in January 2016 Officers Elected
- Have entered into 1 yr. Services Agreement with Massport for Administration
- Approx. 50% overlap with Logan CAC Communities and Representatives.
- Committees in the process of being established (Aviation Operations, Communications and Environmental)
- Lots and lots of work to do by a volunteer organization will be looking to hire Executive Director in FY.'17.

Terminal E Expansion

- The State Environmental Dept. requested that a full Environmental Assessment (EA) be conducted.
- A CD with the DRAFT EA was sent to CAC Members this week.
- The increase in international flights is expected to increase flight volume in the "shoulder hours" at Logan in the mid-afternoon and late evening. This will impact all communities.

BWFS - Citizen Activities

- Group meets monthly. Online Google Group is active.
- https://www.bostonwestfairskies.org/
- Residents are angry and frustrated.
- May/June 2016 were bad because of unusual NW winds causing increased use of 33L for departures.
- Citizen noise survey effort planned but getting it organized is proving challenging (Wig's NEU interns/ David Waite – Belmont). See Appendix for methodology.

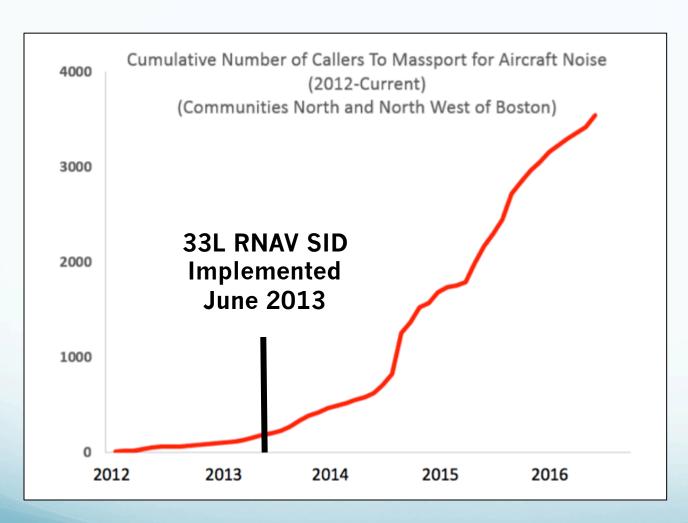
Range of issues

DAILY OPERATIONS	PROCEDURAL	SYSTEMIC
"Flight 1234 was too low – thought it was going to crash into my house." "I was woken up at 11.45 pm and then again at 5:30 am."	"Every time runway 33L RNAV is used for departures, my house shakes, I can't sleep and it affects my quality of life."	There are more and more flights now early in the morning and later at night. Airbus 300's have a whine when they land. "My community has
The MD80's are really loud.		too many airplanes flying over it."
Options:	Options:Higher altitudesFaster clearanceDispersionPre-RNAV procedure	Options:Quieter aircraftVortex generatorsEquitable distribution

** Disclaimer **

- Some of the data used in the analysis was provided by Massport, some was obtained from other sources and it is possible that there are some minor errors.
- The analysis has been done using volunteer resources. We are not aviation or noise experts.
- The analysis and calculations were done using best efforts with the time and tools available.

Noise Complaints

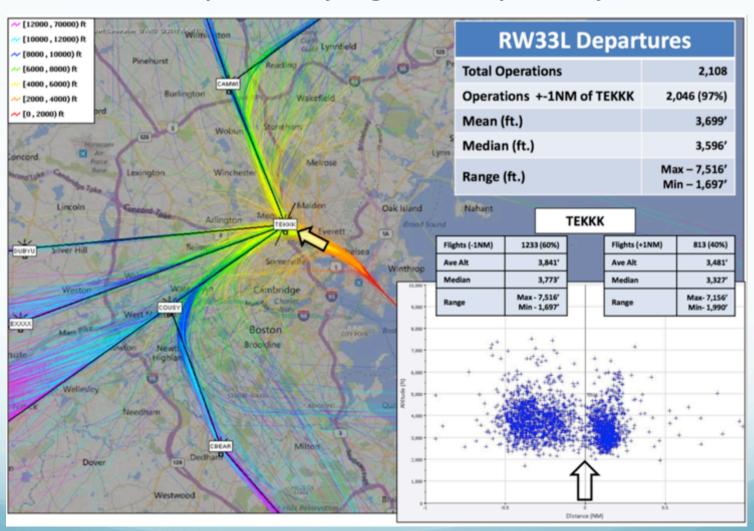


Includes:

- Arlington
- Belmont
- Cambridge
- Medford
- Watertown
- Winchester

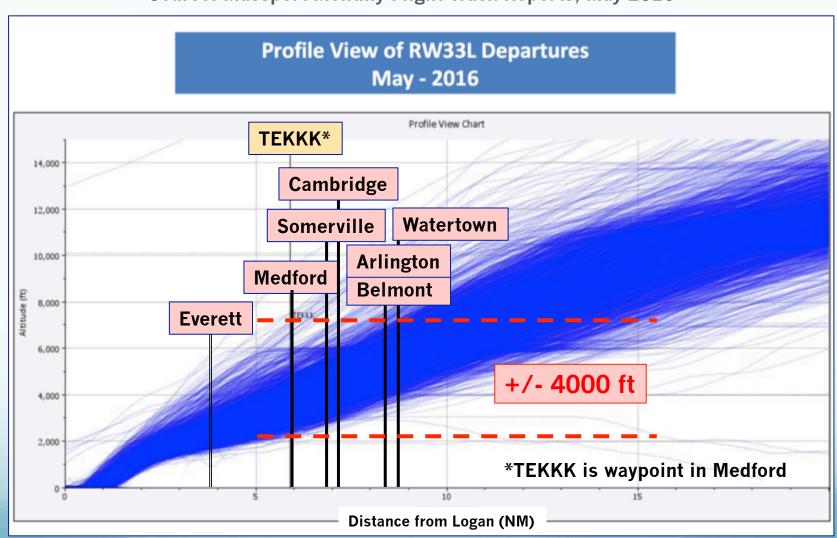
Impact on our Cities/Towns is significant

Source: Massport Monthly Flight Track Reports, May 2016



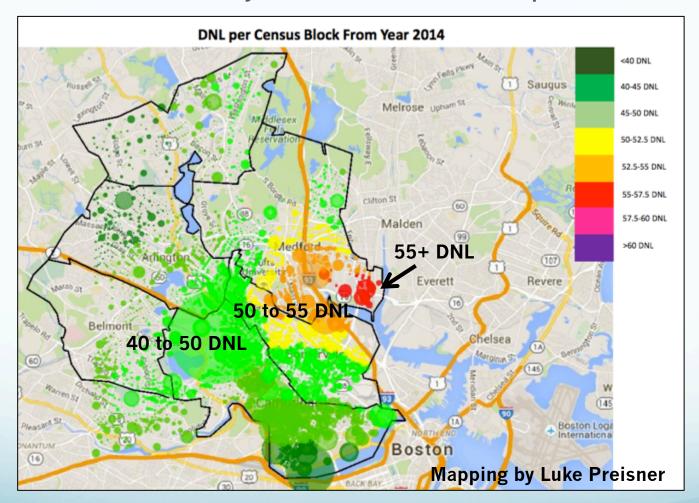
Wide range of altitudes – 33L departures

Source: Massport Monthly Flight Track Reports, May 2016



Noise Impact

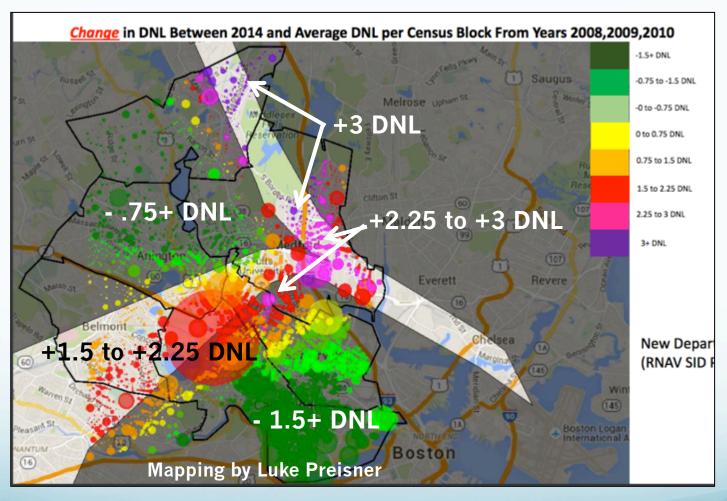
Source: Analysis of DNL data from Massport EDR



This analysis includes: Arlington, Belmont, Cambridge, Medford, Winchester, Watertown

Change in DNL is significant

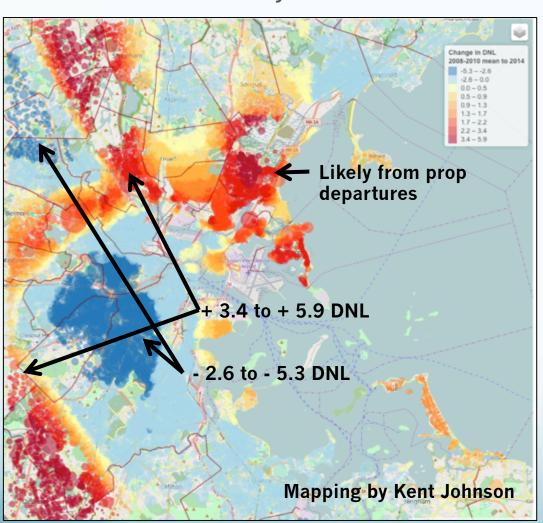
Source: Analysis of DNL data from Massport EDR



This analysis includes: Arlington, Belmont, Cambridge, Medford, Winchester, Watertown

Noise Impact is significant

Source: Analysis of DNL data from Massport EDR



Work in progress -

Orange/Red = > 2 DNL increase

Blue = > 2 DNL decrease

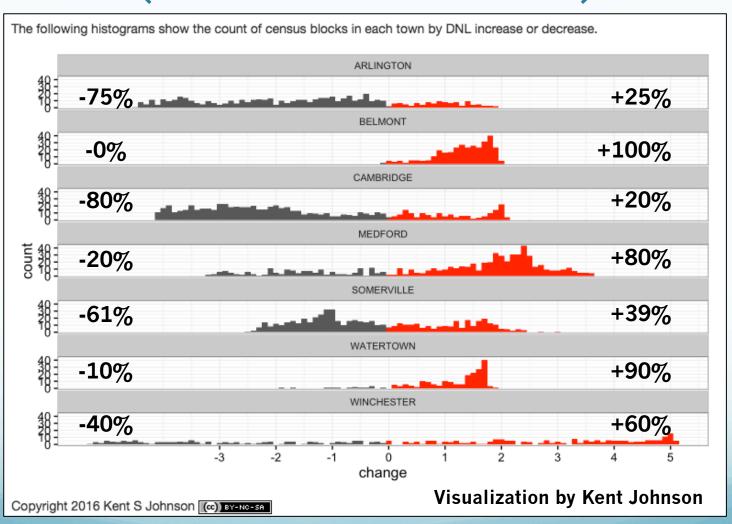
Impact to neighborhoods is uneven (winners and losers)

This chart looks at the difference in DNL by community between 2008-2010 (mean) and 2014.

Community	Change Type	Census Blocks	Population	% of Pop	Max Change
ARLINGTON	Decreased DNL	450	28803	75%	-4.5
ARLINGTON	Increased DNL	108	9366	25%	1.9
BELMONT	Decreased DNL	3	99	0%	-0.1
BELMONT	Increased DNL	316	19828	100%	2
CAMBRIDGE	Decreased DNL	565	79767	80%	-4.1
CAMBRIDGE	Increased DNL	163	20348	20%	2.1
MEDFORD	Decreased DNL	164	11269	20%	-3.2
MEDFORD	Increased DNL	501	43821	80%	3.6
SOMERVILLE	Decreased DNL	372	45182	61%	-2.5
SOMERVILLE	Increased DNL	234	28953	39%	3
WATERTOWN	Decreased DNL	14	1701	10%	-1.9
WATERTOWN	Increased DNL	192	15687	90%	1.9
WINCHESTER	Decreased DNL	145	8626	40%	-5.3
WINCHESTER	Increased DNL	211	12784	60%	5.1

Analysis by Kent Johnson

Impact to neighborhoods is uneven (winners and losers)



The Fallacy of Net Noise Reduction

The 33L RNAV SID Environmental Assessment claimed that the new procedure would provide a "net noise reduction" – see how that works in our seven communities.

		Census			
Community	Change Type	Blocks	Population	% of Pop	Max
ARLINGTON	Decreased DNL	450	28,803	75%	-4.5
BELMONT	Decreased DNL	3	99	0%	-0.1
CAMBRIDGE	Decreased DNL	565	79,767	80%	-4.1
MEDFORD	Decreased DNL	164	11,269	20%	-3.2
SOMERVILLE	Decreased DNL	372	45,182	61%	-2.5
WATERTOWN	Decreased DNL	14	1,701	10%	-1.9
WINCHESTER	Decreased DNL	145	8,626	40%	-5.3
	Decreased DNL	1,713	175,447	54%	
ARLINGTON	Increased DNL	108	9,366	25%	1.9
BELMONT	Increased DNL	316	19,828	100%	2
CAMBRIDGE	Increased DNL	163	20,348	20%	2.1
MEDFORD	Increased DNL	501	43,821	80%	3.6
SOMERVILLE	Increased DNL	234	28,953	39%	3
WATERTOWN	Increased DNL	192	15,687	90%	1.9
WINCHESTER	Increased DNL	211	12,784	60%	5.1
	Increased DNL	1,725	150,787	46%	

Total Population
Pop with Decrease

326,234 (24,660) -8%

We were encouraged....

https://www.facebook.com/RepMichaelCapuano/posts/989399117781204?fref=nf



Nothing is being done....

- More than three years after the implementation of 33L RNAV SID – we have yet to have a substantive conversation with the FAA to explore alternatives or modifications to the procedure!
- While in Baltimore and Charlotte and SF Bay Area.....

RNAV - National issue with Local Impact

 Legislators and officials in Northern California dealing with RNAV issues at SFO formed the Select Committee on South Bay Arrivals and have held three public meetings.



12 person committee includes Mayors, City Councilmembers and Supervisors.

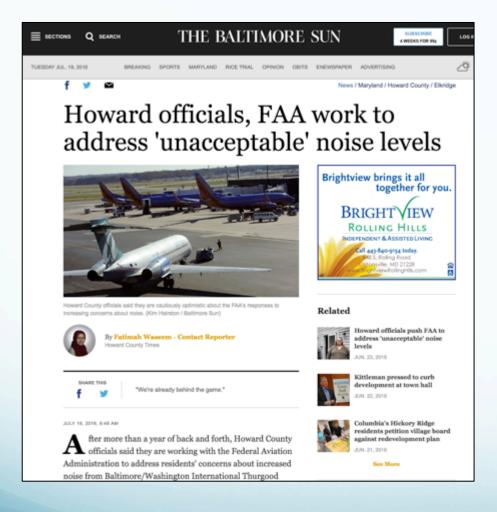
(http://bit.ly/29FlcJe)

FAA Regional Administrator Glen Martin has attended and spoken at all three public meetings.

"While the vast majority of satellite-based procedures nationwide have been implemented seamlessly, we know that a few have generated controversy and we came here to be sensitive to the community's concerns and we work hard to address them when possible," said Glen Martin with the FAA.

http://www.ksbw.com/news/santa-cruz-county-residents-demand-flight-changes-from-faa/39733630 http://www.nbcbayarea.com/news/local/Hundreds-Turn-Out-to-Vent-About-Noisy-Airplanes-384971721.html

Some are getting action



After more than a year of back and forth, Howard County officials said they are working with the Federal Aviation Administration to address residents' concerns about increased noise from Baltimore/ Washington International Thurgood Marshall Airport.

The FAA plans to review possible plans for altitude changes and will jumpstart a formal review with community input on the increased noise. The FAA plans to meet with the Maryland Aviation Administration and Howard County representatives in mid-September to determine how to address the issue.

Source: http://www.baltimoresun.com/news/maryland/howard/elkridge/ph-ho-cf-bwi-noise-follow-0721-20160719-story.html

FAA engaged post EA-FONSI



The Charlotte Metroplex is currently in the Implementation Phase. The FAA issued a Finding of No Significant Impact and Record of Decision (FONSI-ROD) for the project on May 19, 2015. The FAA will continue to assess and monitor the environmental impact of this effort. Source: http://bit.ly/29F3buO

https://www.faa.gov/nextgen/metroplex_public_engagement/media/CLT_Metroplex_Phase2_05192016.pdf

Some are getting action



New RNAV flight paths were implemented at CLT in 2015.

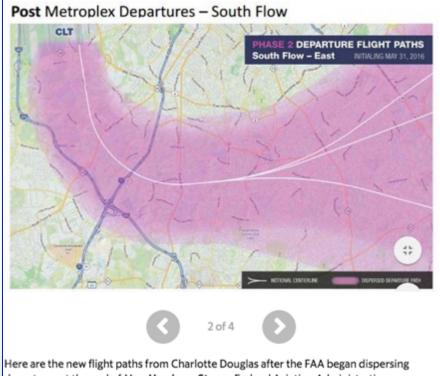
The city of Charlotte asked the FAA to send the departures on different paths after takeoff. That means more people will be exposed to noise, but fewer people are impacted by it repeatedly.

"The city asked us to spread it out," said Dennis Roberts, a regional administrator with the FAA.

Source: http://www.charlotteobserver.com/news/politics-government/article89601182.html

Before/After Departures



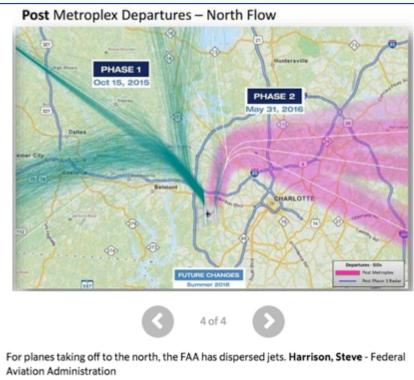


departures at the end of May. Harrison, Steve - Federal Aviation Administration

Source: http://www.charlotteobserver.com/news/politics-government/article89601182.html

Before/After Departures





Source: http://www.charlotteobserver.com/news/politics-government/article89601182.html

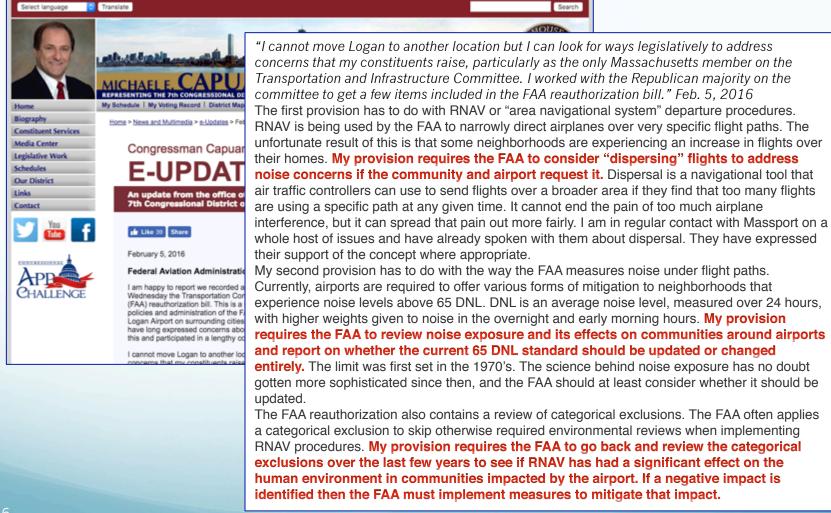
And in Milton.....



Source: http://www.miltonscene.com/2016/06/over-1000-sign-milton-air-traffic-petition-town-meets-with-faa/

Positive Legislation proposed

http://capuano.house.gov/e-updates/eu2016-02-05.shtml



Long term initiatives

 http://www.patriotledger.com/news/20160711/aircraft-noise-concernsspur-lawmakers-to-request-scientific-research



Some Good News

https://www.schumer.senate.gov/newsroom/press-releases/schumer-and-gillibrand-announce-legislation-to-reestablish-epa-office-of-noise-abatement_control-solely-dedicated-to-addressing-noise-pollution-like-airplanenoise







07.15.16

SCHUMER & GILLIBRAND ANNOUNCE LEGISLATION TO REESTABLISH "EPA OFFICE OF NOISE ABATEMENT & CONTROL" SOLELY DEDICATED TO ADDRESSING NOISE POLLUTION, LIKE AIRPLANE NOISE

Current Bureaucratic Regs Give FAA Full Oversight of Airplane Noise Issues, But Senators Say EPA is Better Equipped to Handle Noise

Concerns; EPA's Core Mission Aims to Protect Health & Environment

Schumer & Gillibrand Announce New Senate Legislation to Restore EPA's Oversight of Airplane Noise Issues, Which Senators Say Greatly
Affect Residents' Quality of Life; Under Legislation, Sponsored by Rep. Meng in the House, EPA Experts Will Closely Examine Noise
Measurement Methodologies, Health Impact Thresholds & Abatement Program Effectiveness

Schumer & Gillibrand: "Quiet Communities Act of 2016" Will Give EPA A Lead Role in Airplane Noise Abatement

Today, U.S. Senators Charles E. Schumer and Kirsten Gillibrand introduced new legislation in the Senate that empowers the Environmental Protection Agency (EPA) to oversee airplane noise issues across the country, including airplane noise-plagued areas near JFK and LaGuardia airports. Currently, the Federal Aviation Administration (FAA) oversees airplane noise issues, however, Schumer and Gillibrand explained that the EPA is better fit to address these matters.

"Communities in the New York- metro area have long struggled with incessant airplane noise caused by the highly-trafficked skies above and it's time we set up an office dedicated to tackling this issue head on, "said U.S. Senator Charles Schumer. "Airplane noise is a major quality of life issue and that's why it makes sense for the EPA to take the lead role in addressing these matters. This legislation will once again set up an Office of Noise Abatement and Control at the EPA

Thoughts to Consider

- FAA Reauthorization has been pushed to 2017 anything that makes it into legislation will take years to be implemented
- Why can the FAA seem to be able to engage in a dialog elsewhere and in some cases make changes to address procedural issues caused by RNAV but here we can't get a conversation about modifications or alternatives for a procedure implemented more than 3 years ago?
- Any health-related or noise metric studies are going to take years to yield usable findings.

Options?

- We had previously discussed hiring an aviation consultant to evaluate our data and help propose alternatives. This is what Palo Alto did in the SF Bay Area. We tried Massport – they are not going to do this for us.
- Some communities are pushing for problematical RNAV procedures to be reversed – go back to the old flight paths – something to consider.
- Massport and the FAA gave hope that there would be an RNAV evaluation project at Logan – why has this taken so long and can we make sure 33L RNAV SID is a priority to be re-examined?

Appendix

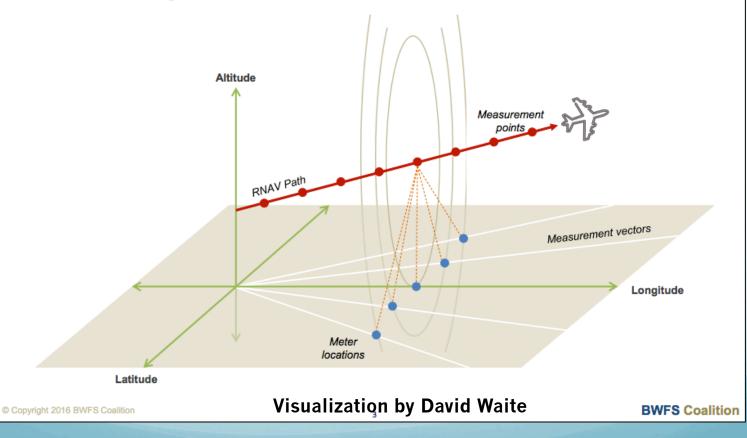
- Overview of BWFS Citizen Noise Survey effort.
- Slides from October 2015 33L
 Municipal Working Group Meeting.

Citizen Noise Survey

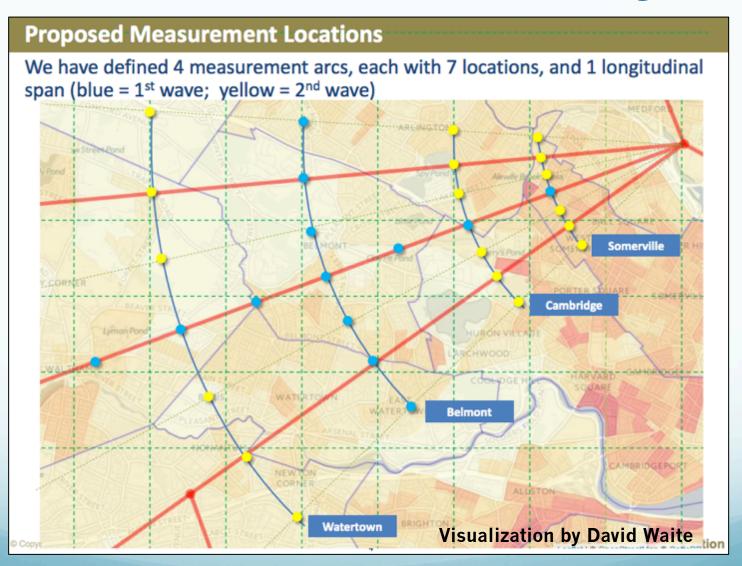
Measurement Model

The proposed measurement approach involves recording noise levels at points along the RNAV path, each with several meter locations

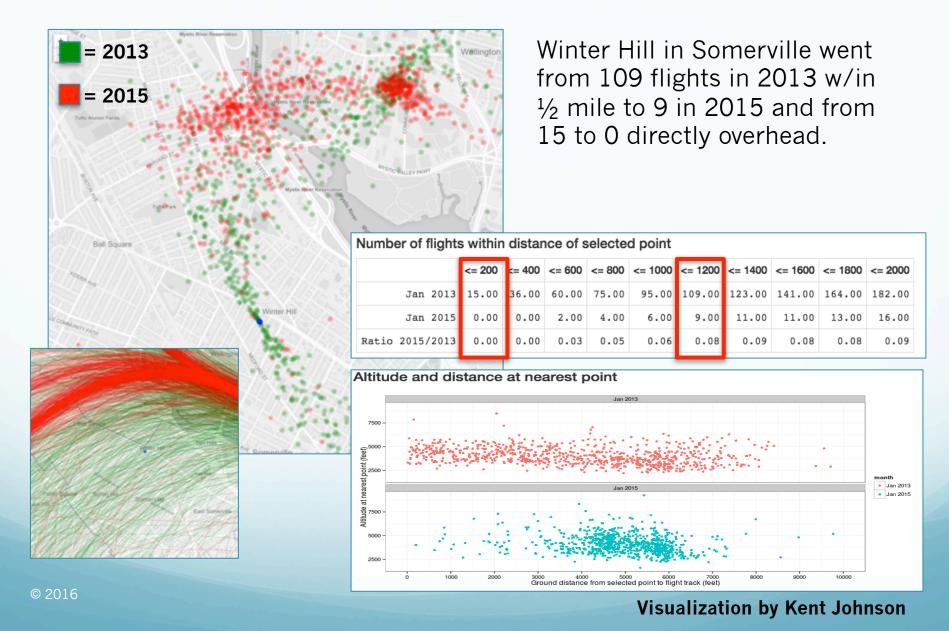
 We would like to generate enough data to model the impact of diversity and altitude on ground noise levels



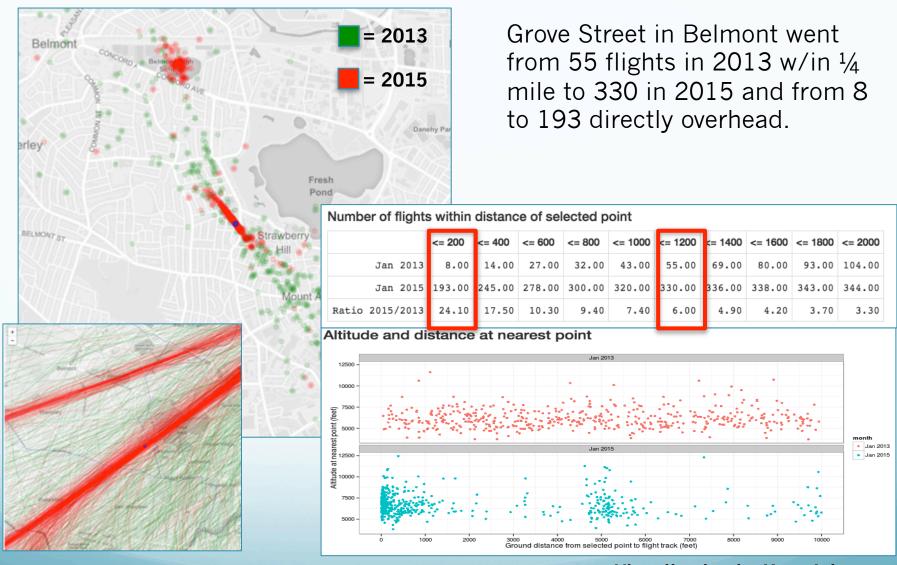
Citizen Noise Survey



Some are winners



Some are losers



Some are winners

