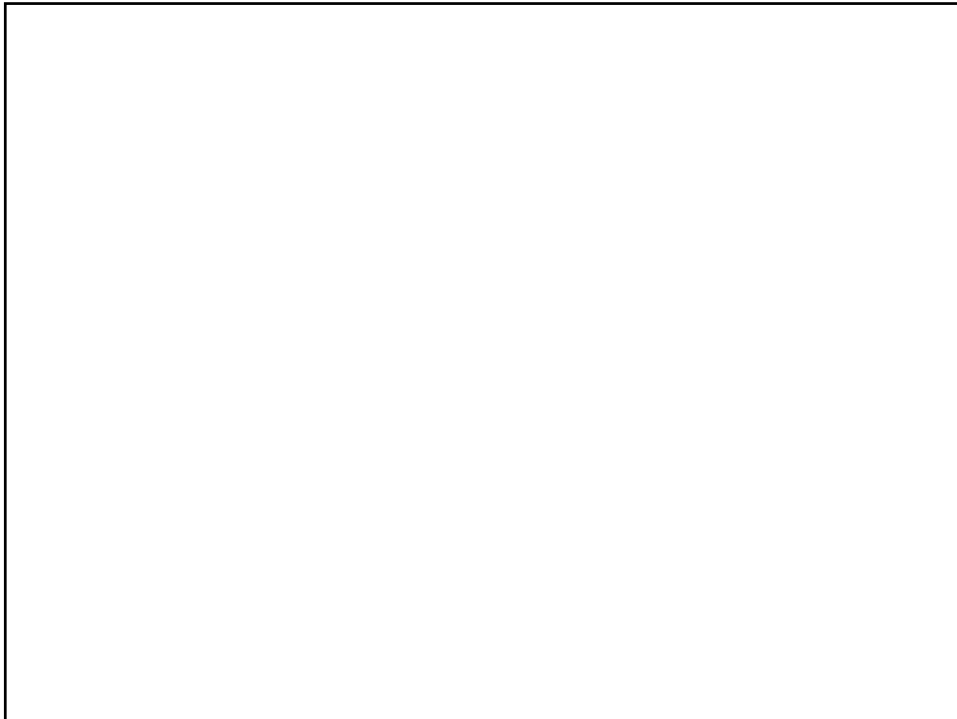




**BTV Noise Compatibility Program
Update – Technical Advisory
Committee**

September 19, 2019



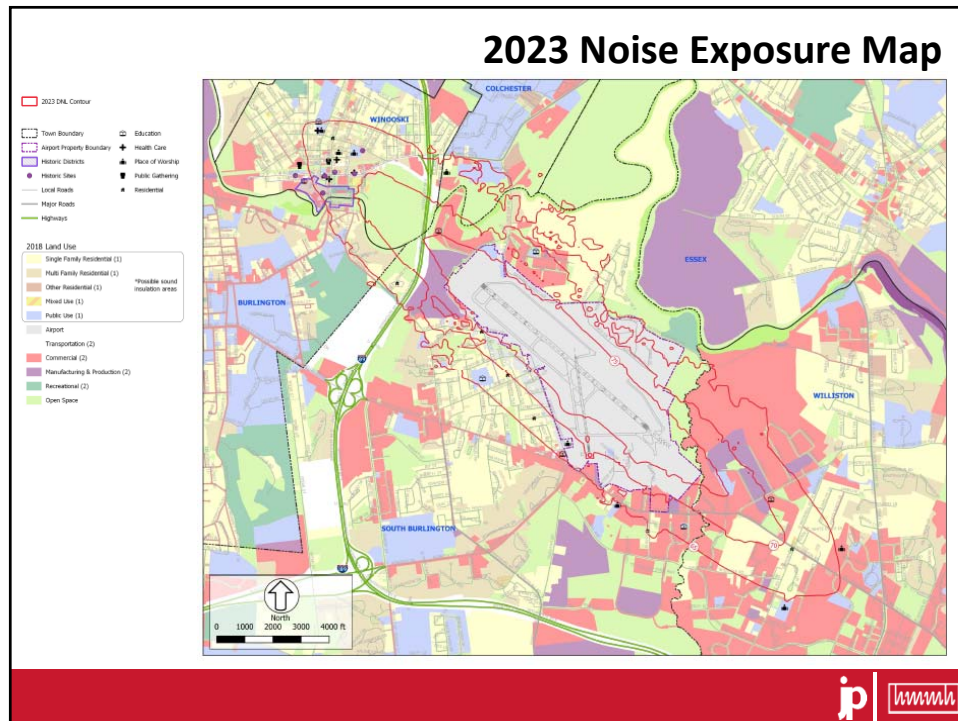
Public Forum and Comment Period



Purpose of TAC

- The TAC is advisory to the City solely for purposes of the BTV Part 150 Study, including:
 - Review of study inputs, assumptions, analyses, documentation, etc.
 - Input, advice, and guidance related to Noise Compatibility Plan (NCP) development
- The City shall respect and consider TAC input, but must retain overall responsibility for the Part 150 Study and NCP recommendations
- The TAC and City recognize FAA is responsible for accepting Noise Exposure Map (NEM) and NCP submissions and for approving NCP measures
- TAC members represent the interests of their organization and/or constituents
- TAC members are expected to provide two-way communication between the City and their organizations / constituents





Noise Exposure Map

- Open House held on May 29 and May 30, 2019
- NEM to be submitted to FAA on September 23, 2019
- Final document available on www.BTVSound.com

Estimated Population and Dwelling Units

Table 5. Estimated Residential Population within for 65 dB DNL Historical Contour Cases

Sources: US Census (2010), Jones Payne Group (2018)

65 dB Day-Night Average Sound Level, DNL Contour	Estimated Dwelling Units and Population	Land Use Inventoried and Depicted for this 2018/2023 NEM ²			Comparable Previously Documented Values ³
		On Single Family Parcels	On Multi-Family & Mixed Use Parcels	Estimated Total	Estimated Total
2015 Noise Exposure Map	Dwelling Units	616	203	819	976 ¹
	Population	1,429	471	1,900	2,267 (2,531) ¹
"ANG Scenario 1" Contour from the USAF's September 2013 FEIS, Figure BR3.2-8.	Dwelling Units	1,186	1,758	2,944	2,963 ⁴
	Population	2,752	4,079	6,830	6,663 ⁴
2018 Noise Exposure Map	Dwelling Units	134	30	164	
	Population	311	70	380	
2023 Noise Exposure Map	Dwelling Units	890	1,750	2,640	
	Population	2,065	4,060	6,125	



NCP GOALS & OPTIONS

Noise Compatibility Program (NCP) Update Project Focus and Goals:

- Goal is to find ways to transition from land acquisition to other land use measures
- Focus is on updating land use measures
- Recommendations will be based on the 2023 noise contour

- Mitigation options must:
 - Meet eligibility requirements for federal funding under FAA guidelines
 - Provide a benefit to the local residents; especially those that are in non-compatible areas identified on the FAA accepted NEM
- Mitigation measures will be evaluated using factors such as:
 - Technical feasibility
 - Impacts to residents
 - Cost
 - Schedule



Recommended Monitoring & Review Elements

Monitoring & Review of NEM & NCP

- Update of NEM one year after full operation of F35 aircraft
- Estimated funding in FFY2021.

Flight Track Monitoring

- Acquisition of a flight track monitoring system



Recommended Land Use Measures

Land Acquisition & Relocation

- Property located in the 75 DNL contour
- Voluntary purchase of residential units from owner using federal guidelines
- Relocation benefits for the occupants
- Demolition of structure
- Land reuse study for compatible use of land



Sound Insulation

- Property located in the 65 – 70 DNL contour
- Property located in the 75 DNL where majority of property is outside the 75 DNL
- No aviation easement

Residential

- Installation of acoustical windows and doors
- Reduce interior noise level to 45 dB DNL
- Must have existing interior noise level above 45 dB DNL to qualify
- Owner remains in home

Community Buildings

- Eligible community buildings include schools and other noise sensitive buildings.



Recommended Land Use Measures

Sales Assistance

- Property located in the 65 – 70 DNL contour
- Avigation easement required
- Airport assists with the sale of the home on the open market; airport does NOT take possession of property
- Homeowner enters program by signing agreement which includes:
 - Homeowner to list property at Fair Market Value (FMV)
 - Homeowner to convey Avigation Easement prior to sale of home
 - Airport guarantees they will provide a differential to assist in the sale of the property if seller receives an offer of less than FMV
- Owner / Occupant does not receive relocation benefits

Purchase Assurance

- Property located in the 65 – 70 DNL contour
- Avigation easement required
- Airport takes possession of property and resells it on the open market
- Homeowner enters program by signing agreement which includes:
 - Homeowner to sell property at appraised Fair Market Value (FMV)
 - Homeowner to convey Avigation Easement prior to sale of home
- Owner / Occupant does not receive relocation benefits
- Airport maintains and preserves property during the sound insulation process



Recommended Land Use Measures

Below are the estimated average cost for each program per home and the number of properties that would be eligible based upon a \$5 million grant

Program	Cost Per Home	# of Homes
Sound Insulation	\$ 54,000	93
Sales Assistance	\$ 35,520	141
Purchase Assurance	\$ 355,200	14
Acquisition & Relocation	\$ 407,000	12

Note: Cost per home is based upon actual costs from BTV Airport programs or the New England Region plus 20% administration costs



NCP Next Steps

- NCP Public Hearing - Thursday, October 24
- Submit NCP to FAA – December 2019
- Anticipated NCP Approval – June 2020



TAC questions and comments

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