



# **BTV Sound Committee Meeting (Via Zoom) Noise Mitigation Program Implementation**

October 6, 2020

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# **BTV Airport Noise Projects Update**

# Agenda

- Welcome and Overview of agenda
- BTV Airport Projects Update
- Noise Compatibility Program & FAA Record of Approval
- Committee Discussion
- Comments from the Public

# Projects Update

- **Chamberlin Elementary School Positive Ventilation System**
  - FAA issued grant for design/construction of positive ventilation system
  - Design of Plans: October - January 2021
  - Bidding: February 2021
  - Construction: Projected Summer 2021
- **Noise Monitoring and Flight Tracking System**
  - FAA issued grant funds to procure system
  - Three permanent noise monitors
  - Public portal /website
  - Flight tracking system (military operations will be limited)
  - Request for Bids to be issued December 2020
  - Award of Contract January 2021

# **Noise Compatibility Program / FAA Record of Approval**

# Goals for Tonight's Meeting

- Review FAA Record of Approval for Noise Mitigation Programs
- Discuss Methodology for Implementing Residential Sound Insulation Program
- Discuss Potential Funding Challenges for the Sales Assistance and Purchase Assurance Program
- Consider best options for South Burlington Fuel Tax funds
- Determine Next Steps

# Recommended Mitigation Programs & FAA Determinations

Five (5) mitigation programs were included in the Noise Compatibility Program. The programs and their respective FAA determinations are as follows:

NCP Recommended Programs	FAA Determination
Sound Insulation of Residential Units	Approved - AIP Eligible
Sound Insulation of Noise Sensitive Buildings	Approved - AIP Eligible
Land Acquisition and Relocation for Residences	Approved - AIP Eligible
Purchase Assurance	Approved - Partial AIP Eligible
Sales Assistance	Approved - Partial AIP Eligible

The two (2) programs that are not fully eligible for AIP funding, Purchase Assurance and Sales Assistance, have been removed from the Draft Noise Implementation Plan until additional funding sources are identified and/or secured.

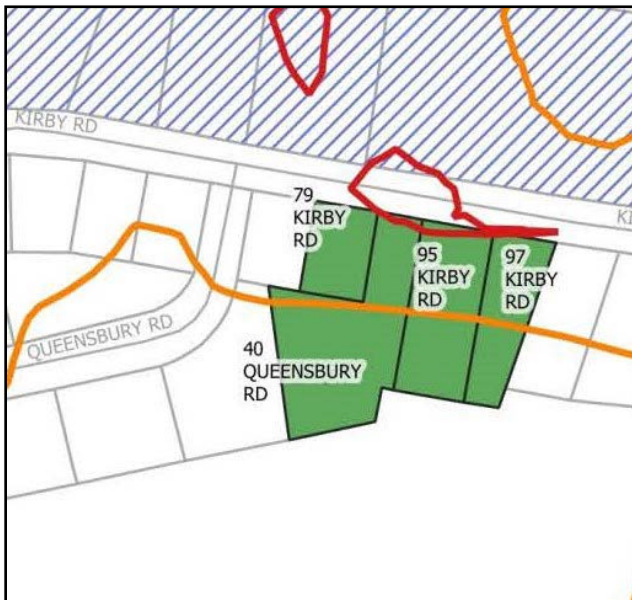
# Approved Noise Mitigation Measures

NCP Recommended Programs	Contour Level	# of Potentially Eligible Units	FAA Determination
Land Acquisition and Relocation for Residences	75+ DNL	9	Approved - AIP Eligible
Sound Insulation of Residential Units	65+ DNL	2,627	Approved - AIP Eligible
Sound Insulation of Noise Sensitive Buildings	65+ DNL	24	Approved - AIP Eligible

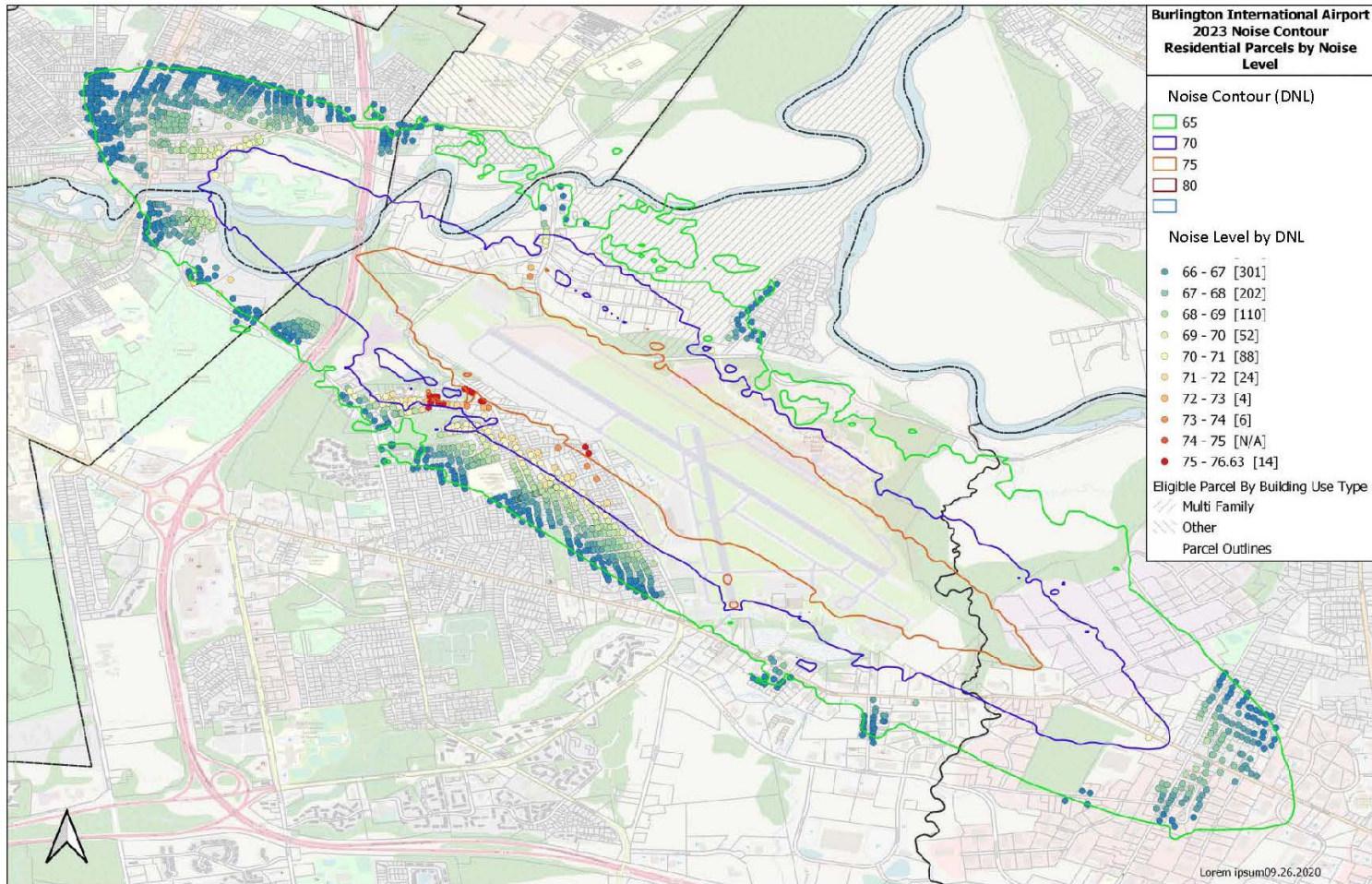
# Voluntary Land Acquisition & Relocation

## Nine (9) potentially eligible properties within the 75+ DNL noise contour

- Five (5) property owner previously declined acquisition
- Four (4) of these properties are contiguous to each other:



# 2023 Noise Contour, Parcels By 1 dB Contour



Preliminary analysis of data is based on interpolation of 911 data of each home relative to the 5 dB contours. The number of parcels by contour band will differ from counts in the NCP.

# Voluntary Residential Sound Insulation Program

## Key Factors for Prioritization for Residential Sound Insulation:

### Anticipated Funding

*Assumption of funding for design and construction on 50 units/year*

*How far into the future should we plan?*

### Noise Contour Level

*Priority given to 283 units in the 70-75 DNL band*

### Community Equity – Five Impacted Communities

Each phase will be comprised of units from each municipality, when possible

*Estimated Potentially Eligible Units by Municipality and DNL Contour*

Municipality	70-75 DNL (# of units)	65-70 DNL (# of units)	Total Potentially Eligible
Burlington	81	260	341
Colchester	0	22	22
South Burlington	110	700	810
Williston	3	109	112
Winooski	89	1,253	1,342
<b>All Municipalities</b>	<b>283</b>	<b>2,344</b>	<b>2,627</b>

# Voluntary Residential Sound Insulation Program

- Housing Type – Single Family vs. Multi Family**

*Potentially Eligible Units by Housing Type, Jurisdiction and DNL Contour*

Jurisdiction	70-75 DNL (# of units)		65-70 DNL (# of units)		Total (# of units)
	Single	Multi	Single	Multi	
Burlington	0	81	51	209	341
Colchester	0	0	9	13	22
South Burlington	96	14	356	344	810
Williston	1	2	105	4	112
Winooski	0	89	260	993	1342
All Municipalities	97	186	781	1563	2627

- Socioeconomic Status**

*Estimated Population by Housing Type, Jurisdiction and DNL Contour*

Jurisdiction	70-75 DNL (estimated population)		65-70 DNL (estimated population)		Total Persons (#)	Total Persons (%)
	Single	Multi	Single	Multi		
Burlington	0	188	118	485	791	14%
Colchester	0	0	21	30	51	1%
South Burlington	223	32	826	798	1879	34%
Williston	2	5	244	9	260	5%
Winooski	0	206	0	2304	2510	46%
All Municipalities	225	431	1209	3626	5491	100%

# Residential Sound Insulation Prioritization Plan

**Select units for each municipality** with the following goals:

City of Winooski: 75% of eligible units

City of South Burlington: 15% of eligible units

City of Burlington: 8% of eligible units

Town of Williston: 2% of eligible units

Town of Colchester: 0% (no eligible units)

*Sample Typical Phase (50 Units)*

<b>Municipality</b>	<b>% of Eligible Units</b>	<b># of Units/Phase</b>
City of Winooski	75%	38
City of South Burlington	14%	7
City of Burlington	8%	4
Town of Williston	2%	1
Town of Colchester	1%	0
<b>Total</b>	<b>100%</b>	<b>50</b>

# **Committee Discussion**

# Committee Discussion

- Due to length of Program, should the Committee focus on next 3-5 years for planning purposes?
- Sales Assistance / Purchase Assurance are not fully funded? Are there areas where funding could be obtained? Do we want to continue to move these programs forward?
- How should the City of South Burlington fuel tax money be utilized?
  - Supporting the annual noise & flight tracking system?
  - Add'l sound insulation?
  - Noise sensitive buildings?
- FAA recommends noise sensitive buildings be treated in the same DNL as residential property. Do we want them to have the same priority or should they be secondary to completing the residential units?

## Next Steps

- Provide feedback on priorities
- Revise Plan
- Reach Consensus on Strategy
- Finalize Plan
- Begin Implementation

# Residential Pilot Program

- Develop a 10 home Pilot Program
- Develop an Acoustical Test Plan to begin to qualify homes
- Program Formulation
  - Policy Manual
  - Homeowner Outreach
  - Treatment Options

Exhibit B - Sample Project Schedule

