



BTV Sound Mitigation Meeting

December 5, 2016

AGENDA

Land Acquisition Program Update

Noise Compatibility Program Update

Residential Sound Insulation Program Overview

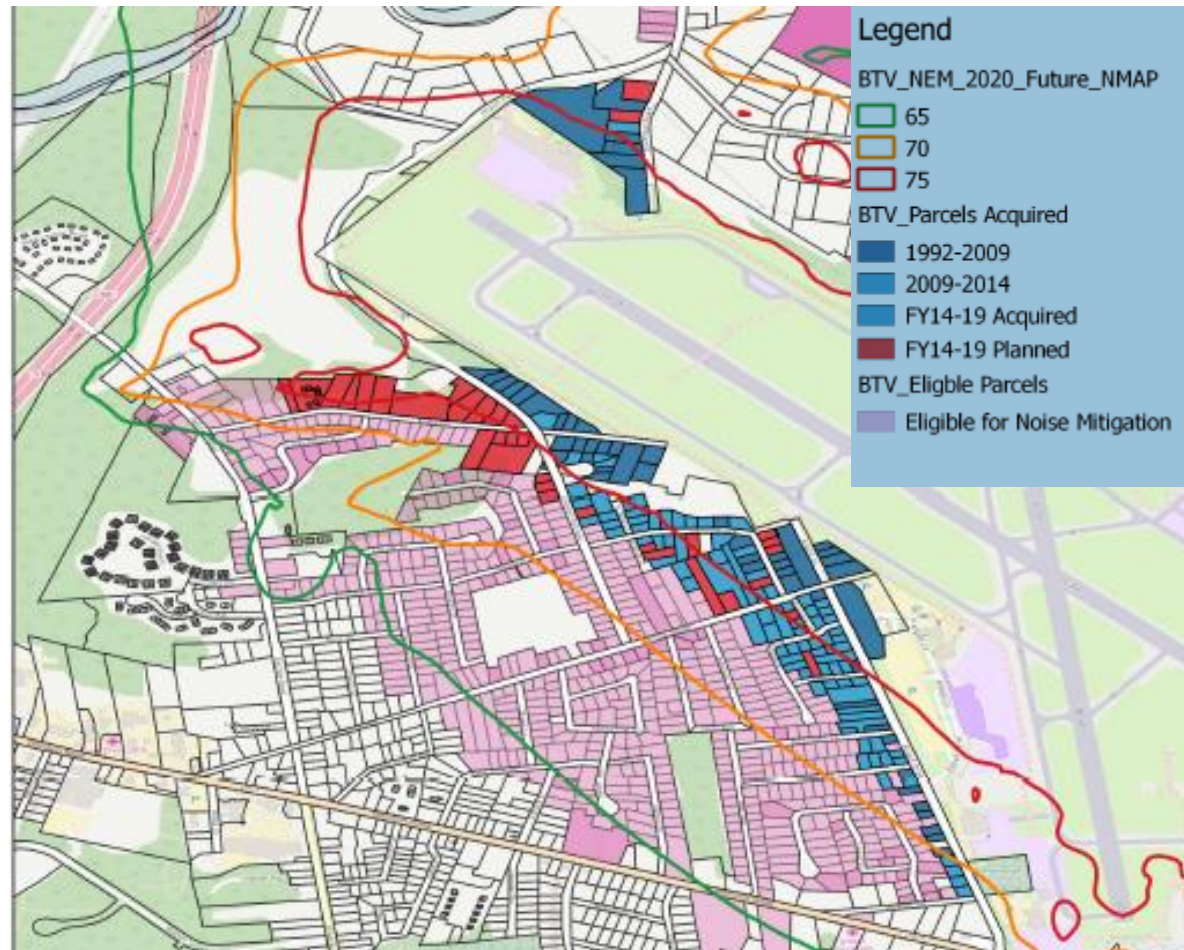


Land Acquisition Program Update



Land Acquisition Program Update

- Land Acquisition & Relocation Program for homes located in the 65 dB and higher DNL
- 5 homes currently being acquired under April 2016 grant
- September 2016 - \$16 million grant issued for 39 eligible homes in the updated land acquisition area (based on 2015/2020 contours)



Land Acquisition Schedule

- Outreach to homeowners has commenced and initial meetings starting in January 2017 for homeowners not yet contacted
- Homes will be divided into 4 subgroups
- Appraisals have begun for the first group of homes
- Appraisals for remaining properties starting in Spring 2017
- Acquisition and relocation phase scheduled to be completed by Spring 2018
- Demolition scheduled to be completed by end of 2018

Noise Compatibility Program Update



BTV Noise Program

- The FAA's process for airports to study and mitigate aircraft noise is regulated by 14 CFR Part 150
- Part 150 is comprised of two parts
 - The Noise Exposure Map (NEM) which depicts the current and projected aircraft noise
 - The Noise Compatibility Program (NCP) which identifies how to mitigate aircraft noise in the 65 dB DNL and higher noise contour
- BTV's most recent NCP was completed and approved by FAA in 2008
- The VT Air National Guard operations changed and a new NEM updated was undertaken in 2013
- FAA accepted the updated NEM and noise contours for 2015 and 2020
December 2015



BTV Noise Program

- The FAA has awarded a grant for undertaking the Noise Compatibility Program (NCP) update
 - The NCP process will commence in December 2016
- BTV anticipates a Noise Exposure Map (NEM) update following the change in aircraft operations (including, but not limited to, F-35s)
 - BTV's Capital Improvement Program contains a budget for the NEM update to commence in 2019



Noise Compatibility Program Update

- The update will focus on Land Use Measures
- Recommendations will be based on the 2020 Noise Contour
- Study will incorporate community feedback
- Advisory Committee will be formed for feedback and updates
- Study will begin in December 2016



Potential NCP Land Use Measures

Part 150 allows for the following mitigation measures:

- Land Acquisition & Relocation
- Sound Insulation
- Sales Assistance
- Purchase Assurance
- Easement Acquisition for New Development
- Real Estate Disclosure

BTV intends for recommended program to be VOLUNTARY



Voluntary Home Acquisition Program

- Purchase of property from owner using federal guidelines
- Relocation benefits for the occupants
- Demolition of structure
- Eligible properties are located in previous acquisition area
- Typically a change in land use



Potential Voluntary Sound Insulation Programs

- Installation of acoustical windows and doors in exchange for an aviation easement
- Reduce interior noise level to 45 dB DNL
- Must have existing interior noise level above 45 dB DNL to qualify
- Owner remains in home
- No change of land use



Potential Voluntary Sales Assistance Program

- Airport assists with the sale of the home on the open market
- Airport does NOT take possession of property
- No change in land use
- Homeowner enters Sales Assistance Program by signing an agreement with the Airport
- The Agreement 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 received relocation benefits



Potential Voluntary Purchase Assurance Program

- Airport takes possession of property and resells it on the open market
- No change in land use
- Homeowner enters Purchase Assurance Program by signing an agreement with the Airport.
- The Agreement 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 received relocation benefits
- Airport maintains and preserves property during the sound insulation process

Other Potential Land Use Measures

- Easement Acquisition for New Development
 - Acquire an aviation easement for new development within the 65, 70 and 75 dB DNL contours

- Real Estate Disclosure
 - Develop a real estate disclosure policy for land uses within the 65 dB DNL through implementation of a zoning ordinance with the City of South Burlington

Residential Sound Insulation Program Overview



Residential Sound Insulation Program

Residential Sound Insulation (RSI) Program eligibility:

- Property must be residential
- Located within the DNL 65 dB contour
- Average interior noise level must be DNL 45 dB or greater
- Residence built after to October 1, 1998 had to have been outside the DNL 65 dB contour at the time that time

The RSI Program is VOLUNTARY

The RSI Program is expected to start in 2018 following the approval of the Noise Compatibility Update.



RSI Program Acoustical Treatments

How will Goals be accomplished (*)?

- Crack and Seal (caulking and outlet/switch covers)
- Acoustical Doors & Windows
- Central Air Conditioning & Ventilation
- Ceiling/Closet/Wall Modifications

(*) Depending on existing conditions and FAA guidelines

Items Not Covered:

- Structural repairs
- Maintenance and rehabilitation items
- Items not directly related to noise reduction existing conditions



How Noise Enters Your Home

RSI Program Process

Residential Sound Insulation Program Process:

- Pre-Design
 - Invitation Letters
 - Application and Initial Survey
 - Homeowner Outreach Meeting
- Pre-Acoustical Testing
- Design Phase
- Bid and Award
- Construction
- Post-Construction and Post-Acoustical Testing

For More Information

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