
good morning!
ANG

Study Advisory Committee Meeting #5

November 18, 2026

ANC PART 150 Noise Compatibility Study

Agenda

Time	Topic
10:00 am – 10:15 am	**Welcome and Overview** • Introductions/Roll Call • Study Overview and Reminder of Process
10:15am – 11:40 am	**Alternatives Discussion** • Alternatives Recap • Preliminary Land Use and Program Management Alternative Concepts
11:40 am – 12:00 pm	**Wrap-Up** • Immediate Next Steps Project Schedule • General Discussion and Q&A • SAC Comments • Public Comments
12:00 pm	**Meeting Adjourns**

Meeting Guidelines

It is our goal to have an open and respectful dialogue today. We ask that participants honor the following – please:

- Be respectful of all speakers and perspectives.
- Raise your hand – in-person or online if you would like to speak.
- Address issues, challenges and not people, organizations.
- For those online: please use your mute button when you are not talking.

Purpose of Study

- **The Study identifies and evaluates two components:**
  - Aircraft noise
  - Land use
- **The Study consists of two distinct, but complementary portions:**
  - Noise Exposure Map (existing and forecast conditions)
  - Noise Compatibility Program
- **The Study generally has a five-year planning horizon**

Noise Exposure Map (NEM) **is accepted by the Federal Aviation Administration.**

Noise Compatibility Program (NCP): **Measures are either approved or disapproved by the FAA. Approved measures contained in the Noise Compatibility Program are potentially eligible for federal funding.**

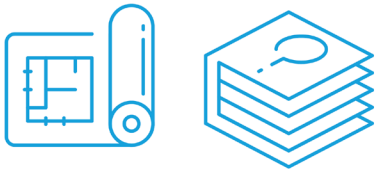
SPRING 2025

SPRING 2027

Study Process

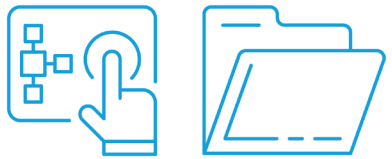
FAA Process

1. Inventory of Existing Conditions
2. Noise Monitoring
3. Generate Existing & Future Base Case Noise Contours



4. Noise/Land Use Effects - Develop Feasible Alternatives
5. Evaluate Feasible Alternatives
6. Combine & Refine Feasible Alternatives

7. Recommended Alternatives for Implementation
8. Prioritize Recommendations



9. Develop Noise Contours
10. Develop Noise Compatibility Program
11. Public Hearing & Adoption



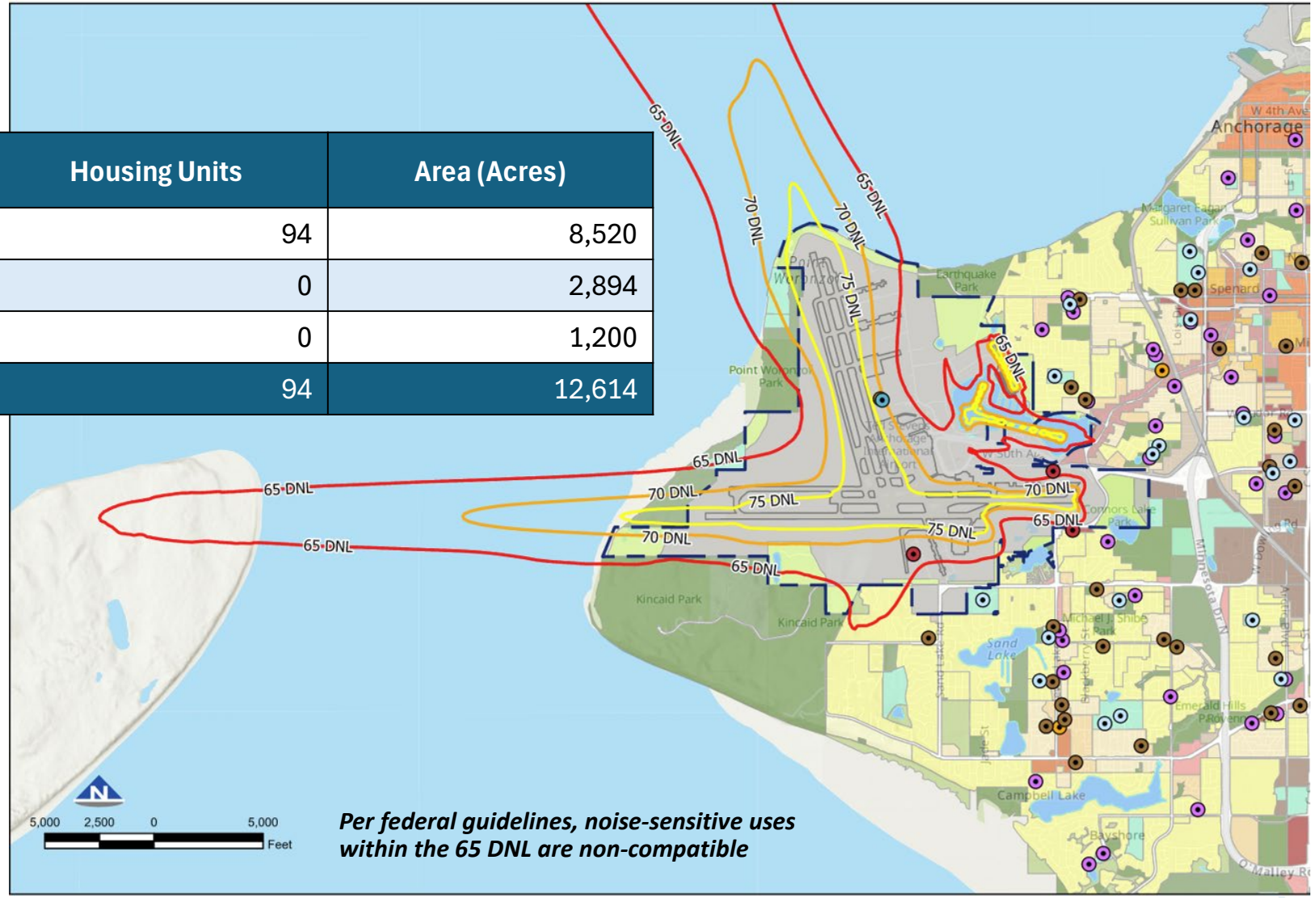
12. Submit Programs to FAA
13. FAA Accepts Noise Exposure Map
14. FAA Approves or Disapproves Noise Compatibility Program Measures

Study Process

Alternatives Purpose - Recap

2026 Draft Noise Contours

2026 Contours	Population	Housing Units	Area (Acres)
> 65 DNL	248	94	8,520
> 70 DNL	0	0	2,894
> 75 DNL	0	0	1,200
Total	248	94	12,614



Per federal guidelines, noise-sensitive uses within the 65 DNL are non-compatible

Legend

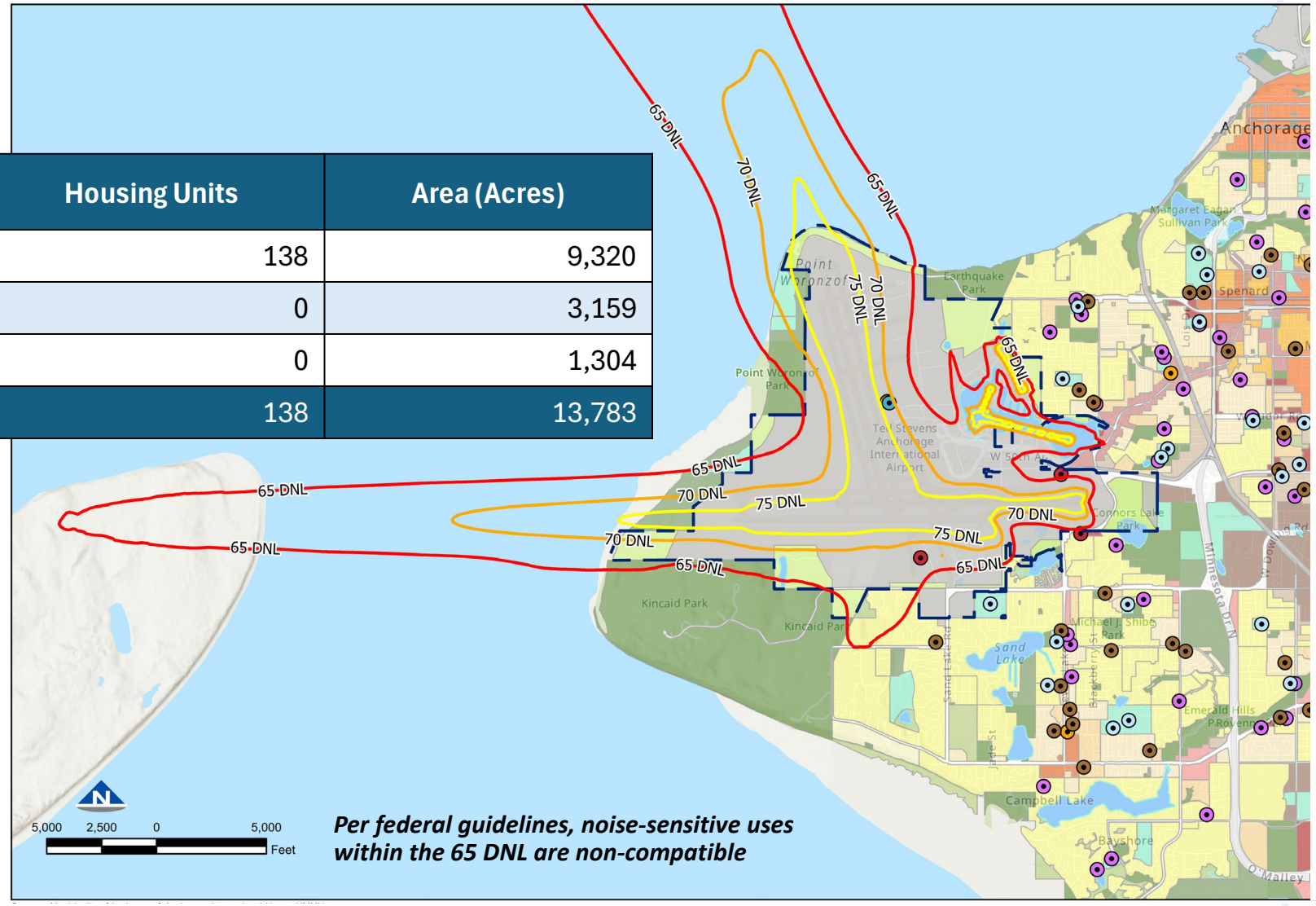
2026 Noise Contours
- 65 DNL
- 70 DNL
- 75 DNL

Noise Sensitive Places (Windshield Survey)
- Daycare
- Fire
- Medical
- Police
- Religious
- School

MOA Land Use Designation
- Airport Railroad or Port Facility
- General Industrial
- Light Industrial Commercial
- City Center
- Commercial Corridor
- Main Street Corridor
- Neighborhood Center
- Town Center
- Regional Commercial Center
- Urban Residential High
- Compact Mixed Residential Medium
- Compact Mixed Residential Low
- Single Family and Two Family
- Large Lot Residential
- Community Facility or Institution
- Park or Natural Area
- Other Open Space
- Potential Open Space Alternative
- ROW
- Water Feature
- Airport Boundaries

2031 Draft Noise Contours

2031 Contours	Population	Housing Units	Area (Acres)
> 65 DNL	365	138	9,320
> 70 DNL	0	0	3,159
> 75 DNL	0	0	1,304
Total	365	138	13,783



Per federal guidelines, noise-sensitive uses within the 65 DNL are non-compatible

Legend

2031 NEM Noise Contours
- 65 DNL
- 70 DNL
- 75 DNL

Noise Sensitive Places (Windshield Survey)
- Daycare
- Fire
- Medical
- Police
- Religious
- School

MOA Land Use Designation
- Airport Railroad or Port Facility
- General Industrial
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- City Center
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Alternatives

Part 150 requires evaluation of alternatives that:

- Reduce existing noncompatible uses
- Prevent or reduce the probability of the establishment of additional noncompatible uses
- Do not impose undue burden on interstate and foreign commerce
- Provide for revision in accordance with §150.23
- Are not unjustly discriminatory
- Do not derogate safety or adversely affect the safe and efficient use of airspace

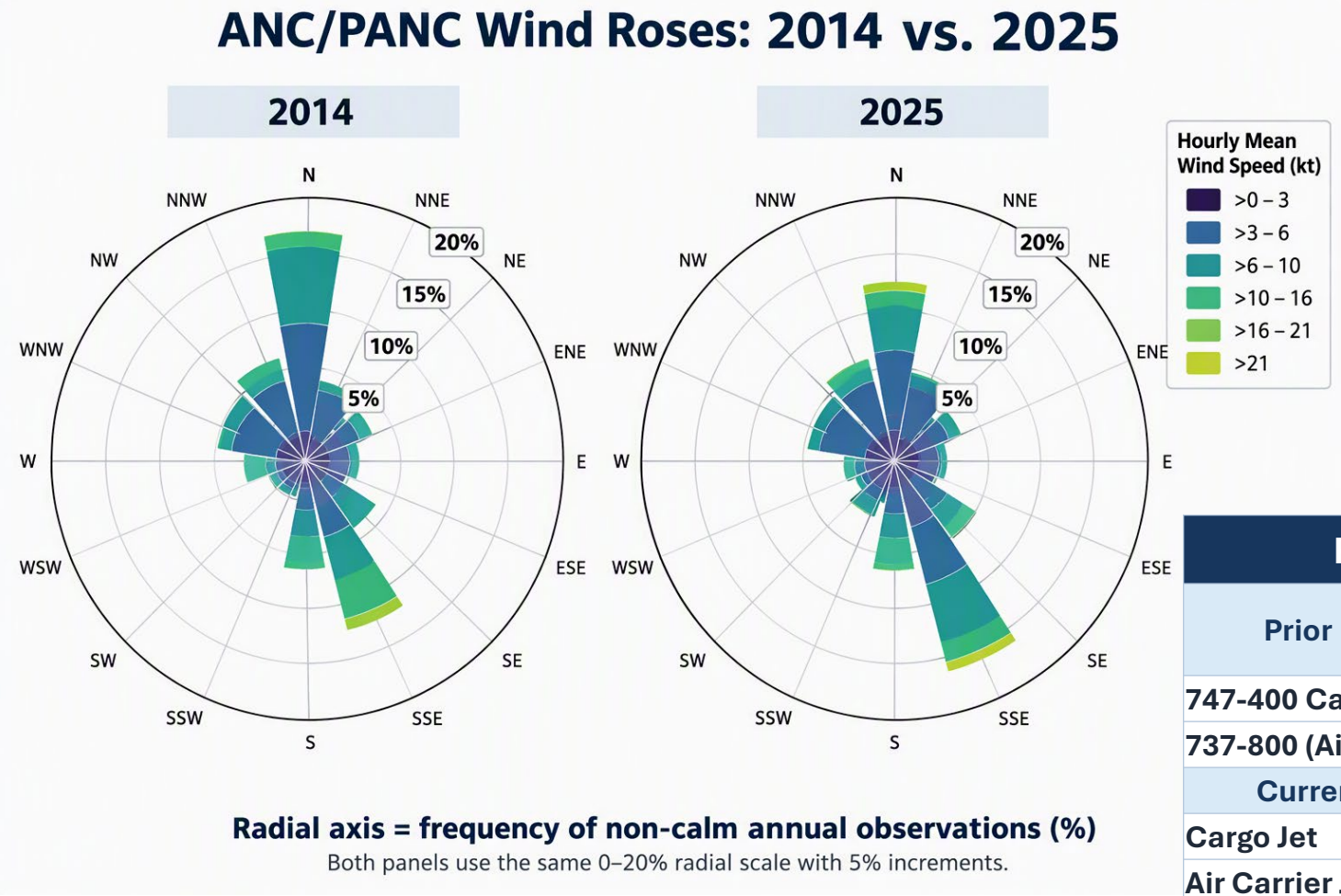
Generalized Categories of Alternatives



Goals of Alternatives

- **Part 150 specifies use of the 65 DNL noise contour as the threshold contour for land use compatibility**
- **Residential land uses within the 65 DNL or greater noise contour are not compatible unless the residence has sound attenuation**
- **Part 150 requires evaluation of alternatives that:**
  - To the extent practicable, meet both local needs and needs of the national air transportation system, considering tradeoffs between economic benefits derived from the airport and the noise intrusion
  - Can be implemented in a manner consistent with all the powers and duties of the FAA Administrator

Follow Up on Runway Use Changes



...has led to changed operational patterns

Representative Shift in Runway 15 Operations				
Prior 150 Study	**Arrivals Day**	**Arrivals Night**	**Departures Day**	**Departures Night**
747-400 Cargo (Cargo Jet)	12.5%	16.5%	5.5%	5.8%
737-800 (Air Carrier Jet)	15.1%	16.4%	2.9%	6.1%
Current Study				
Cargo Jet	33.1%	35.0%	12.7%	17.1%
Air Carrier Jet	38.8%	40.5%	3.3%	6.2%

Changes in wind conditions...

Preliminary Land Use Alternatives

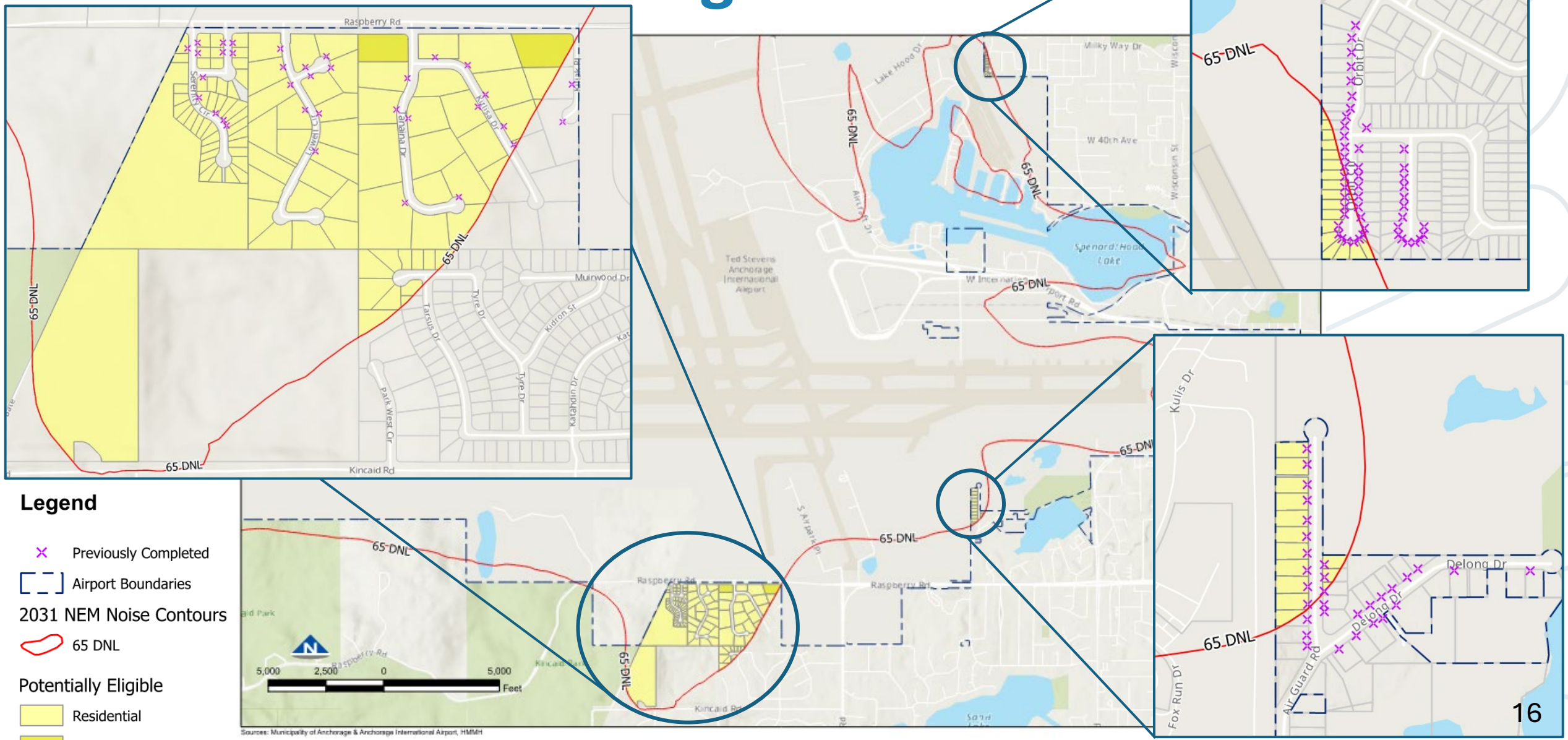
Land Use Measures Comparison

Land Use Measure	Comparison to Previous Study	Summary of Changes
Previous 150 - Voluntary Sound Insulation of Noise Sensitive Structures Within the 65 DNL Noise	Revised	• Updated to new 65 DNL
Previous 150 - Disclosure Statements/ Buyer Notification Previous 150 - Zoning Code Changes/ Noise Overlay Zone	Revised and Combined	• Updated/combined these two measures • AIA Overlay would encompass this measure and incorporate Disclosure Statements/Buyer Notification
Previous 150 - Building Code Requirements	Revised	• Recommend Outdoor-Indoor Transmission Class (OITC) ratings of 30-32 inside the 65 DNL and 25-27 outside the 65 DNL
Previous 150 - Comprehensive Plan Amendments	Continued	• Anchorage 2040 Land Use Plan and West Anchorage District Plan discuss Airport Overlay to minimize non-compatible land use around the airport • Typical Comprehensive Plan updates every 5-10 years
Recommended - Quarterly Planners Forum	New	• Airport and Municipality of Anchorage - discuss proposed developments, planning policies, land use compatibility issues, and emerging growth trends within the ANC environs

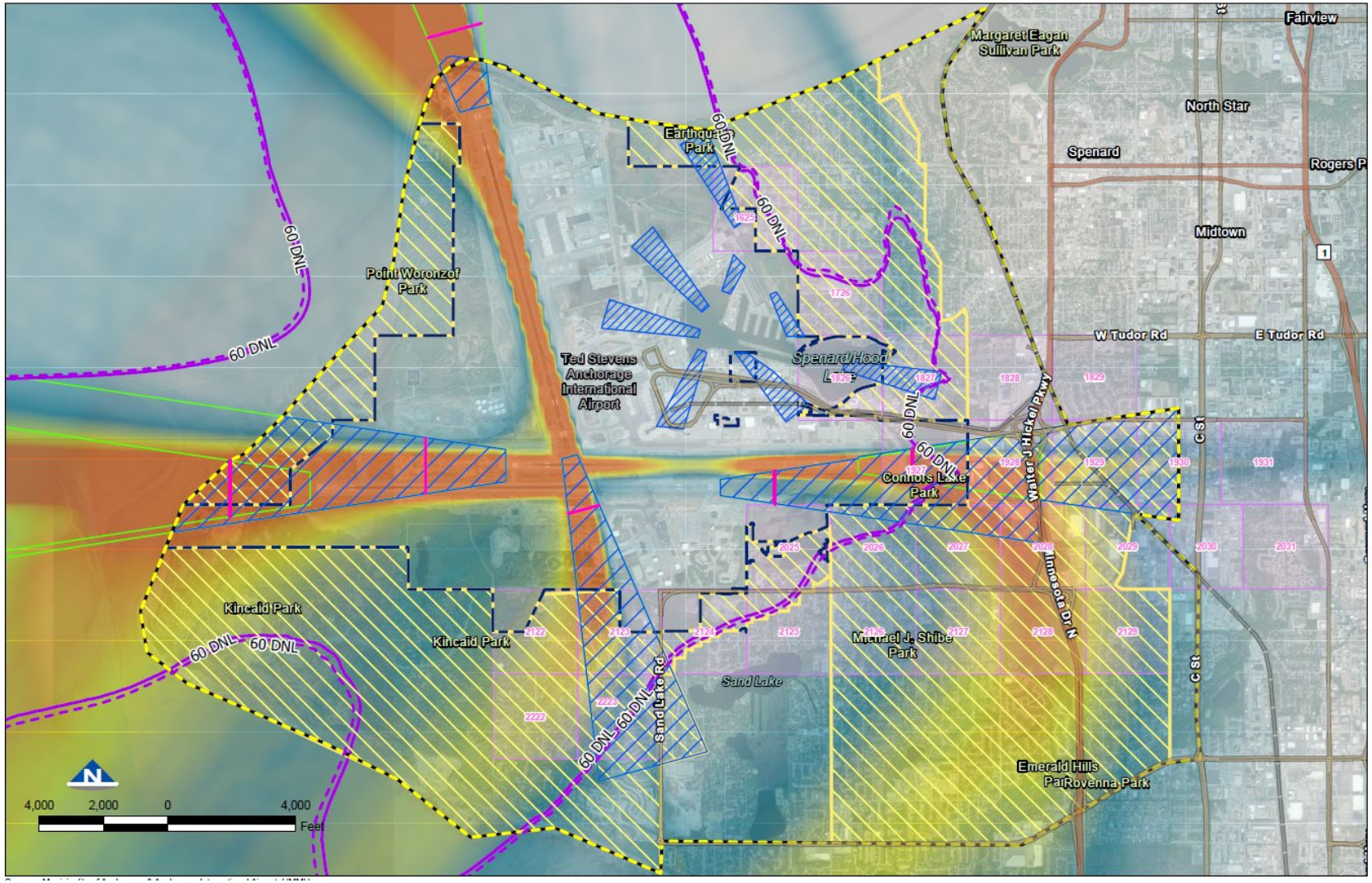
Sound Insulation Program

- **Continuation of 2015 Voluntary Sound Insulation of Noise Sensitive Structures Within the 65 DNL Noise**
- **Set up a sound insulation program to provide treatment to noise-sensitive structures within the 65 DNL or greater noise levels**
- **Under the 2031 forecast condition, the land use compatibility analysis identifies:**
  - Approximately 138 residential units potentially noncompatible
  - 3 noise-sensitive sites (1 each fire, medical, police) potentially noncompatible – airport police and fire and LifeMed air ambulance
  - Eligibility
    - Additional units may be excluded due to local code restrictions or other eligibility limitations
    - Built prior to October 1, 1998
    - Noise testing finds the interior noise level $\geq$ 45 dB

Sound Insulation Program



Draft Airport Influence Area – Factors Map



Legend

- Airport Influence Area
- Restricted Development Area
- ANC RPZ & Approach Zones
- Lake Hood RPZ & Approach Zones
- Airport Property Boundaries
- FAR Part 77 Approach Surface
- 50ft Above Runway End along Approach Surface Slope
- Airport Referral

2031 NEM Noise Contours

- 60 DNL

2036 Noise Contour

- 60 DNL

Flight Track Density

- high
- low

Draft Airport Influence Area



Legend

- Airport Influence Area
- Restricted Development Area
- Airport Property Boundaries

Comprised of two zones:

- **Airport Influence Area (AIA) - larger and less restrictive**
- **Restricted Development Area (RDA) – smaller and more restrictive**

Purpose: Guide compatible development near the airport AND prevent new non-compatible development from occurring

Airport Influence Area Overlay

- **Airport Influence Area (AIA)**
  - Development referral to ANC
  - Disclosure Statements/Buyer Notification (Plat Notes and through recorded notification)
  - Comply with 14 CFR Part 77 surface criteria, existing or future, whichever is more restrictive
  - Residential development is prohibited in areas of 65 DNL or greater
  - Outside of 65 DNL, new residential development is discouraged, but if allowed, must include noise insulation (which requires interior noise reduction of 45 dB or greater proven through testing)
  - Redevelopment should not increase density, with the exception of ADUs with required sound insulation
- **Restricted Development Area (RDA)**
  - No new noise sensitive development (residential, educational facilities, healthcare facilities, places of worship)
  - Prohibit new ADUs
  - Comply with 14 CFR Part 77 surface criteria, existing or future, whichever is more restrictive
  - Avigation easements for new development

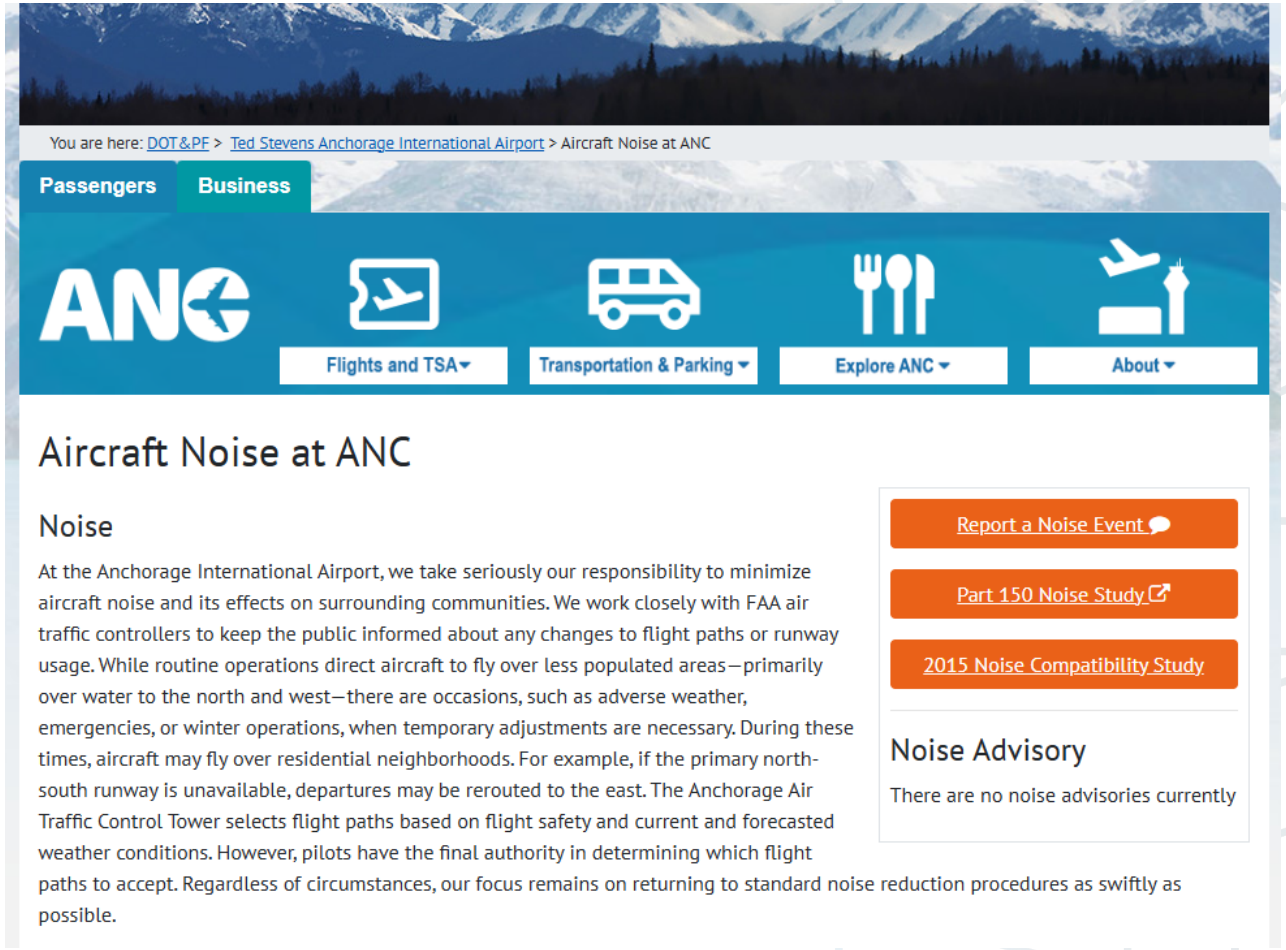
Preliminary Program Management Alternatives

Prior Program Management Measures and Implementation Status

- **Install Electrification and Preconditioned Air at All Jet Bridges and Areas**
  - Was disapproved because it is funded as a terminal development project
- **Development of Fly Quiet Report Card and Pilot Awareness Program**
  - Continued/Revised
- **Continuation of Public Information Program & Noise Information Website**
  - Completed – Reevaluated under Noise Office Measure for updated conditions
- **Public Comment Submittal Form**
  - Completed – Reevaluated under Noise Office Measure for updated conditions
- **Addressing of Noise Comments**
  - Completed – Reevaluated under Noise Office Measure for updated conditions
- **Flight Tracking**
  - Approved – Not Completed
- **Update the NEM/NCP as needed**
  - Approved – Required Measure
  - NEM updates on a regular basis for federal grant applications or triggered by substantial changes in operations, fleet mix, etc. that may lead to a 1.5 dB change in areas of noise-sensitive land uses
  - NCP updates as needed by the Airport to adequately address non-compatible land uses as defined through Part 150 process

Potential Noise Office Enhancements

- Assess current noise comment and response program
- Evaluate refinements to enhance community collaboration
- Consider website refresh
- Discuss needs for community to right size any program changes



Voluntary Fly Friendly at Lake Hood and ANC

Do Your PART!

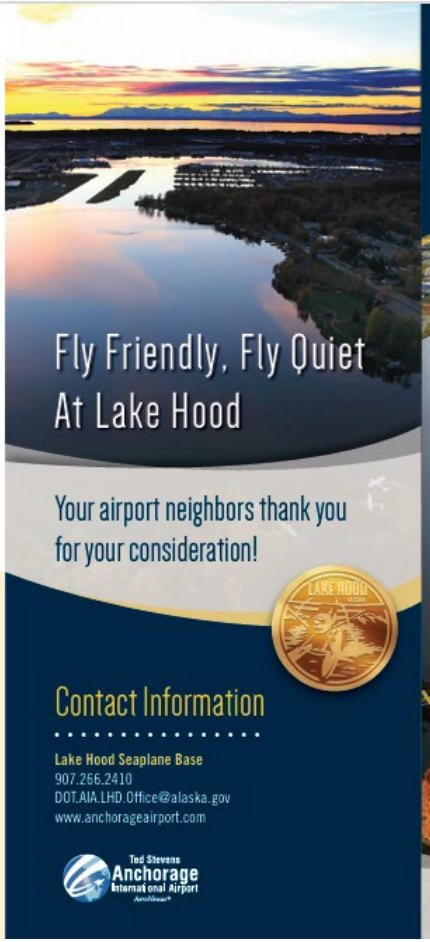
Power
Keep prop noise down. Props are a major noise source. Reducing prop speed is one of the simplest and most effective noise-reduction measures. **Please adjust power/rpm/pitch for quieter flight whenever safely possible.**

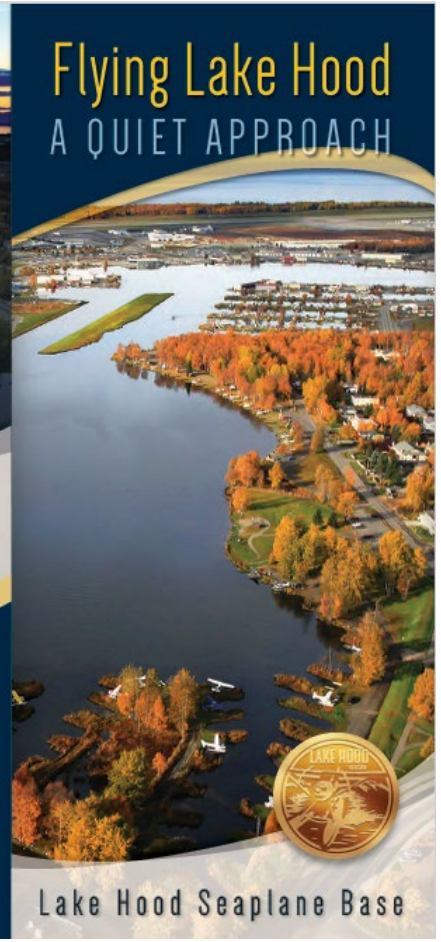
Make power changes smoothly to reduce attention-getting sound. Engine/prop changes attract attention. **Smooth power control is quieter.**

Altitude
Get & preserve altitude. Use the best climb angle/rate on departure. Preserve altitude on arrival until safely maneuvering for landing. **Altitude cuts noise reaching neighbors while preserving flight options.**

Route
Minimize overflying dwellings. Your route of travel is important. Select departure & arrival routes that minimize overflying dwellings. Please avoid multiple traffic patterns. **Departures to the west, north, or south are preferred to reduce noise footprint. Please minimize easterly departures and pattern work.**

Time
Minimize flight between 10 pm & 7 am.
Neighbors might be sleeping, and noise is perceived as louder when the community is quieter.
Late night or early morning aircraft noise draws negative attention.





Fly Friendly, Fly Quiet

Noise from the largest and most active seaplane base in the world affects our community.

Following these simple, effective, voluntary noise-reduction measures, whenever safe and practical, helps us all be good neighbors.







These voluntary noise abatement measures neither preempt nor diminish pilot responsibilities for safe aircraft operation and compliance with applicable authorities & guidance, such as FARs, FAA, flight manual, operational requirements, etc., or in exercising sound judgment addressing flight factors, such as emergencies, hazards, weather, traffic, etc.

August 2016

Ted Stevens Anchorage International Airport

Potential Ground Noise Study

As suggested by some community members throughout the Part 150 Noise Compatibility Program update, this measure would recommend a ground noise study to evaluate the effect of noise from ANC ground operations in the adjacent communities

- **Ground operations include but not limited to the following:**
  - Aircraft engine run-ups (aircraft maintenance)
  - Aircraft idling and taxiing
  - Operation of auxiliary power units (APUs) and ground power units (GPUs)
  - Airport maintenance and snow-clearing operations

Open Discussion

- **Thoughts?**
- **Did we miss any potential alternatives?**
- **Other?**

Next Steps

Next Steps

- **Closing Comments from Committee Members**
- **Develop Meeting Summary & Share/Post**
- **As Needed:**
  - Project website updates to address public comments within frequently asked questions
- **Next meetings: Study Meeting Series #6 and Public Hearing – Winter 2027**
  - Draft NCP Recommendations
  - Public Information Meeting
  - Public Hearing

General Discussion and Q&A

Public Involvement & Comments

- **Public Comment: Up to 3 minutes per person, as time allows**
- **Sign Up for Notices on the Study**
  - At meetings (by providing an email on sign in sheets)
  - On the website (https://anc150noisestudy.com/#contact)
- **Public Comments (submitted at meetings or on the website)**
  - All comments received during the Study will be reviewed/considered during the steps of the process and included in the final document for official review.
  - All comments received during the official public comment period and at the public hearing (at the end of the Study) will be included and responded to in the document.

Comments & Additional Information

- **Comments or questions can be submitted via the comment form in person or online at:**

  https://anc150noisestudy.com/#contact

- **Please visit our website for additional study events, news, and information here:**

  https://anc150noisestudy.com/

- **Next meetings: Study Meeting Series #6 and Public Hearing – Winter 2027**
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thank you!

Please visit our website for additional study events, news, and information here: anc150noisestudy.com

Please fill out our meeting survey!