Noise Remedy Boundary
2018 Forecasted DNL 65 dB Contour
Sound Insulation

- No direct cost to the homeowners
- Port receives an “Avigation Easement” in exchange for the insulation
- Sound rated windows, doors, & ventilation

Sound insulation reduces interior noise levels to DNL 45 dB or less
Sound Insulation Requirements

• Homes have to be built prior to 1986 in Des Moines and 1987 in all other areas – Building codes met or exceeded FAA standards past these dates

• Homeowners are required to sign an avigation easement

• Homes must pass a noise audit to ensure that a DNL 45 dB interior noise level can be achieved with at least a 5 dB reduction
Sea-Tac Airport’s History of Noise Mitigation

- **Sound Insulation**
  - Began in 1985
  - Approximately 9,400 homes have been completed
  - 8 Highline Schools completed (POS/FAA funding assistance)
  - 5 Condominium Complexes 246 units
  - 14 Buildings on the Highline College Campus

- **Acquisition**
  - 5 Mobile home parks, 359 mobile home units
  - 69 Homes north of the 3rd runway
  - 1,400 single family homes including 3rd runway acquisition

Approximately $300 million spent on sound insulation / $100 million on noise related acquisition
Single-Family Sound Insulation

• Continuation of Single Family Sound Insulation
  • Approximately 135 homes identified as potentially eligible
  • Extensive outreach to homeowners completed by certified mail in 2016
    • 48 applications received back
    • 7 homes did not qualify by year built
    • 41 homes sound tested – 34 qualified
    • 9 homes completed in 2019
    • 9 more homes starting in early September
    • 16 homes remain eligible and waiting on homeowner participation
  • Potentially eligible homeowner outreach will be conducted Q4 2019
  • FAA grant funded at 80% of eligible costs
Condominiums

- 3 complexes comprised of 133 estimated units
- A&E / Construction Management Firm has been procured
- Project Kick-off meeting for 1st complex complete
- Construction anticipated to start 1st quarter 2020
- All complexes anticipated completion by 2021
- Eligible for FAA grant funding at 80% of eligible costs

Condominiums, 133 units
Apartment Sound Insulation

- 18 complexes identified as potentially eligible
- Approximately 877 units
- FAA grant funded at 80% of eligible costs
- Begin project definition of pilot project of 1 building in 2022
- Eligible for FAA grant funding at 80% of eligible costs
- Complete pilot project in 2023
Places of Worship Sound Insulation

- 7 structures identified as potentially eligible
- P150 recommended a feasibility study first
  - Completed April 2016
  - Begin project definition of pilot project of 1 building in 2024
  - Pilot project estimated to be completed in 2024
- Eligible for FAA grant funding at 80% of eligible costs
Voluntary Home Acquisition Within The South Approach Transition Zone (ATZ)

- ATZ is an area 2500 feet off the end of the Runway Protection Zone (RPZ)
- Approximately 16 Single Family Homes & 6 apartment buildings
- Begin Project 2023
- Eligible for FAA grant funding at 80% of eligible costs
- Project completion date depends on voluntary participation

Residential voluntary acquisition in south ATZ
Schools

- MOA in place with Highline School District (HSD), FAA, and the Port to provide funding assistance for sound insulation
- 8 schools have been completed
- 7 HSD schools remain to be sound insulated
- Des Moines Elementary currently under construction
- Highline High School contracting has started
Thank You