

Airport Noise Insulation Project



Briefing Objective

- Provide a brief overview of airport noise study (Part 150)
- Present the proposed project including
 - Elements of the project
 - Homeowner Eligibility
 - Community Benefits
 - Costs

What is a Part 150?

- Part 150 is an airport noise study conducted under FAA guidelines
- The focus of a Part 150 is to address noise and land use incompatibilities
- Establishes guidelines to obtain federal Airport Improvement Program (AIP) grant funding for sound mitigation projects
- Part 150's are generally undertaken when noise conditions change at airports
- FAA Approved mitigation measures become eligible for AIP funding at 80%

Part 150 identifies any noise and land-use issues

Sea-Tac Noise Mitigation Efforts

- Sound Insulation
 - Approximately 9,400 homes
 - 8 Highline School District schools
 - 5 Condominium complexes (totaling 246 units)
 - 14 buildings on the Highline College Campus
- Acquisition
 - 5 Mobile home parks (totaling 359 mobile home units)
 - 69 Homes north of the 3rd runway
 - 1,400 single family homes including 3rd runway project acquisition

Approximately \$400 million spent on sound mitigation around Sea-Tac

Sound Insulating Homes

- No cost to the homeowners
- Port receives an “Avigation Easement” in exchange for the insulation
 - Avigation Easement grants the Port air rights over the property
 - The easement is permanently recorded with King County on the parcel
- Sound rated windows, doors, & ventilation



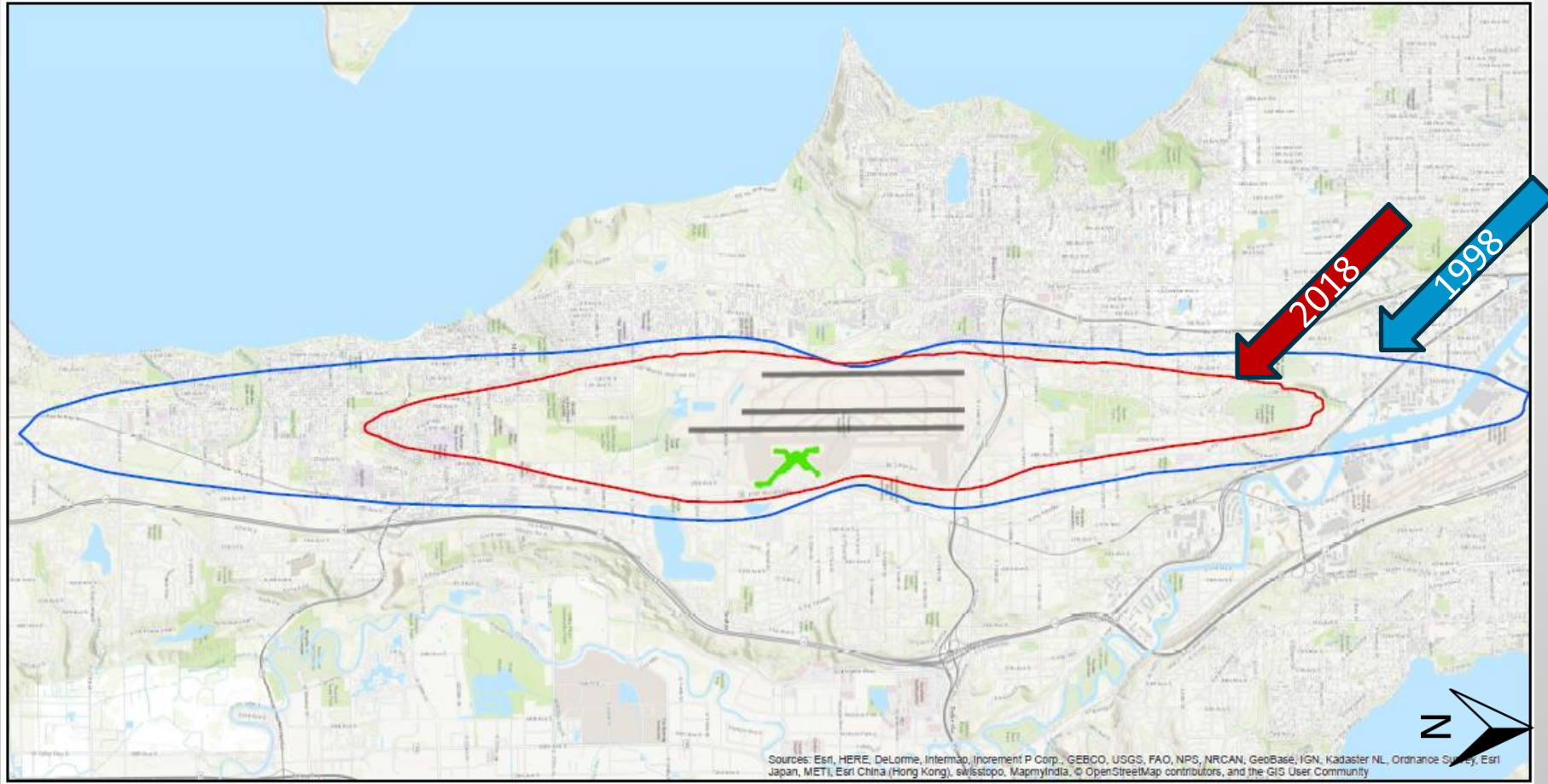
Program is free to homeowners

Sound Insulation Eligibility

- Located within the FAA-approved noise remedy boundary
- Built prior to December 3, 1986 in Des Moines
- Built prior to September 6, 1987 in all other areas
- Must meet FAA noise audit criteria
 - A pre- and post-construction noise audit will be required
 - Interior Noise levels have to be higher than 45 dB
 - With modifications the structure must achieve at least a 5 dB reduction
 - Not all homes will qualify for sound insulation

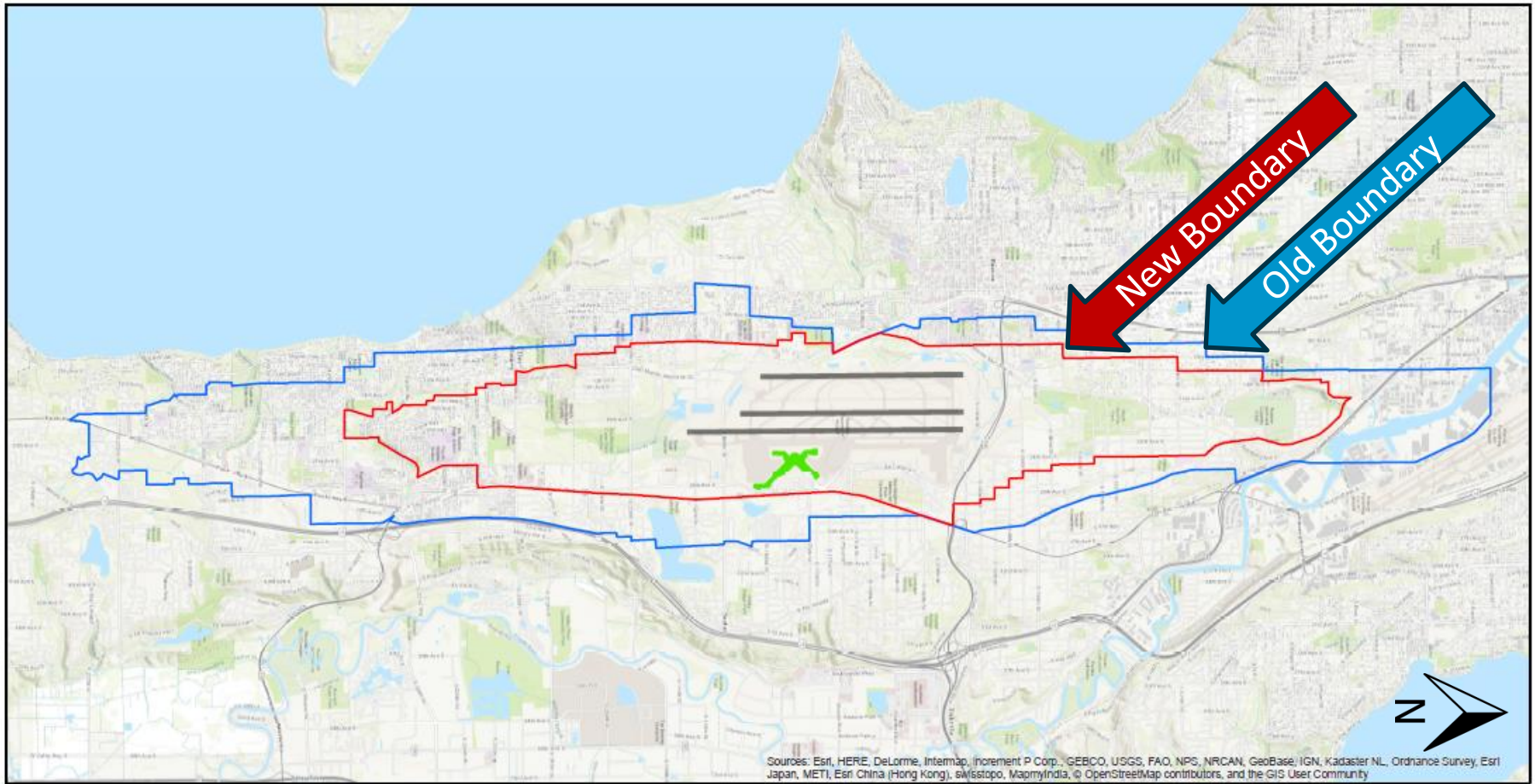
Must meet all FAA criteria to participate in the program

2018 and 1998 65 Day Night Level (DNL) Noise Contours



Contours are smaller due to quieter aircraft

Noise Remedy Boundary



Noise Remedy Boundary reflects new contours

Program Benefits

- Provides significant interior noise reduction
- May provide reduced heating & cooling costs for homeowners
- Helps the Port to maintain a positive presence within the community



Project is beneficial to our community, and the Port

Single Family Sound Insulation

- New boundary Single Family Sound Insulation
 - Authorization is for \$14,535,000
 - Approximately \$8.4 million from FAA Grants
 - Port funding from PFCs, ADF and the sale of previously purchased noise land
 - 123 Homes identified as eligible
 - Not all homes will qualify under FAA noise audit criteria
 - Not all homeowners will chose to participate
 - Staff will conduct outreach to each homeowner to ensure they are fully aware of the program

Single family sound insulation, 123 homes, \$14.5 million

Thank You