Airport Noise Programs

• Noise Abatement
• StART
• Noise Monitoring
• Noise Mitigation
• Community Outreach
Noise Abatement Programs

- Flight Procedures Monitoring
- Fly Quiet
- Start Noise Working Group Initiatives
Jet Noise Abatement Procedures

Noise staff meet monthly with FAA TRACON to discuss compliance.
Flight paths have been in place since 1990
Fly Quiet Award Program

Annual award given to 2 airlines that score the highest in these categories:

- Low noise levels at 4 monitor locations north and south of runways
- Compliance rate with Noise Abatement Procedures
- Adherence to SEA ground maintenance run-up rules
- Low levels of noise during late night hours (new category)

Award given to one airline for significant contribution to reducing noise

Increases airline awareness of noise programs and the impacts on communities

Various outreach efforts for winning airlines
Fly Quiet 2021 Winners

- **Frontier Airlines** – Operate the newest, quietest version of the A320, low noise levels, fly the noise abatement procedures very accurately

- **Skywest Airlines** – Operate the quiet E175 regional jet with low noise levels

- **British Airways** – Changed from the older, louder 747 & 777 to the much quieter 787 resulting in significantly reduced noise levels
StART Noise Initiatives

• Runway Use Agreement with the FAA

• Late Night Noise Limitation Program from 12am to 5am - monitoring noise levels and encouraging airlines to move flights out of late nights or change to a quieter aircraft

• Ground Noise Study

• Raise the glideslope on runway 34R to 3 degrees
Noise Monitoring System
Noise Monitoring Program

24 Permanent Noise Monitors

2 Portable Noise Monitors
- Monitoring in Burien (Seahurst Elementary) finishing this month
- Consultant undertaking a gap analysis for potential monitoring in areas under the flight path without close-proximity to permanent monitors
- Additional City requests (two-month intervals) – send to Dave Kaplan
- Monitoring on Vashon Island for one year
Sound Insulation Programs

- Homes must be located within the 65 DNL contour or higher
- Goal of reducing the interior noise levels to 45 dBA DNL
- New windows, doors, ventilation systems
- No cost to the homeowner
- Port receives an Avigation Easement in return for the investment
- FAA requires that all homes must pass a noise audit for eligibility – ensures the structure is not already at or below an interior 45 dBA
Sound Insulation Program Boundary
Residential Projects

Single-Family Home Sound Insulation
- 140 potentially eligible homes remain
- 10 anticipated for completion this year
  - 5 homes currently under construction
- Continued outreach to targeted homes

Condominium Sound Insulation
- 3 potentially eligible complexes
- 2 chose not to participate
- Villa Enzian in Des Moines – currently under construction to complete 7 units this year

Apartment Sound Insulation
- 18 potentially Eligible Complexes, 903 Units
- Program beginning in 2022 through 2026
Places of Worship Sound Insulation

7 Places of Worship Potentially Eligible
Highline Schools Sound Insulation

Memorandum of Agreement for financial contributions to noise mitigation of new construction

• $50 million from the Port
• $50 million from FAA Grants

Contributed to 10 schools for a total of $50M (includes Highline High currently in the payment review process)
5 schools remain to be completed for a contribution amount of $50M
Community Outreach

Hotline
206-787-5393
Monthly Totals & Trends

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Monthly Totals & Trends: By City

https://www.portseattle.org/projects/noise-comment-monthly-reports
Questions?