

Aviation Noise Working Group

MEETING SUMMARY

DECEMBER 12, 2022; 5:00 PM – 6:45 PM
VIA ZOOM VIDEOCONFERENCE

Meeting Objectives:

Updates on the Aviation Near-term Noise Action Agenda 4th quarter results. Review of the new Terminal Flight Data Manager program. Overview of the draft Rolling Takeoff language. Recap of the Ground Noise Study. Report on the latest noise insulation work.

Meeting Summary:

- I. Facilitator welcome, introduction, and meeting agenda, Brian Scott, BDS Planning & Urban Design
- II. Aviation Near-term Noise Action Agenda: 4th Quarter Results, Tom Fagerstrom, Noise Programs Coordinator, Port of Seattle (POS)
 - Third Runway Agreement
 - There was an average of 4.0 landings per late night on the Third Runway through 12/11. The increased number is primarily due to construction closures of other runways during the summer. Late night landings have been gradually decreasing since the summer.
 - The snow also caused increased third runway use due to irregular operations, but early December has been looking good with a daily average of less than one late night landing.
 - Noise Comments Monthly Update
 - Vashon Island has the most, but the numbers are lower than in the past.
 - There has been an increase from Des Moines due to an increase in north flow during November. Possibly due to north flow, SEA received less complaints from Vashon and Seattle.
 - Overall, SEA saw lower complaint numbers, 8,423 in November compared to 16,449 in October.
 - The trend shows less complaints month over month. It is not known for certain what is causing the lower numbers, but we are seeing significantly fewer complaints via the Airnoise button.
 - Year to year (July 2021 versus July 2022), the numbers have significantly dropped.
- III. Terminal Flight Data Manager (TFDM) Overview, Steve Vittner, Airline Scheduling Systems Manager, POS & Samer Tirhi, Airline Scheduling Systems Specialist, POS
 - Currently traffic control AirPower is managed by the FAA, which often results in long departure cues that can increase aviation noise for surrounding communities.
 - TFDM is a surface management solution for the FAA's National Airspace System (NAS).
 - The capabilities of TFDM include Electronic Flight Data and Electronic Flight Strips (EFS), Traffic Flow Management, and Collaborative Decision Making (CDM) and Systems Consolidation.

- The benefits of TFDM are noise reduction, improved predictability, collaborative decisions, environmental friendliness, real-time accuracy, system modernization, consolidated systems and improved safety.
 - In 2016, the contract was awarded to Leidos to implement TFDM at 49 airports. SEA is currently second on the docket in the nation, and TFDM is expected to be deployed by October 2024.
 - Pre-departure sequencing creates an optimized runway departure sequence. [View Video from minute 6:20 - 9:00.](#)
 - TFDM, powered by Saab, will allow non-FAA stakeholders to see the same thing.
 - Airlines and airports participate in the Surface Working Group activities, which allows them and other stakeholders to understand cue links, noise, and all historical data. The Port of Seattle is hosting one of the working groups.
- II. Draft Rolling Takeoff Language, Marco Milanese, Community Engagement Manager, POS & Tom Fagerstrom, POS
- The ground noise study completed earlier this year, identified rolling take offs as one recommendation for reducing aviation noise. Vince Mestre, Consultant, previously demonstrated to the working group its benefits using the Oakland Airport example.
 - POS cannot require rolling takeoffs, but it could promote its use via communication to air carriers by adding language to the airport's master record.
 - Language for the promotion of rolling takeoffs is still in development, and POS will have an update at the February 2023 working group meeting.
 - Once the language is final, POS will reach out to air carriers via various venues to raise awareness. POS will make every effort to get the information into the hands of the airlines as only they can request the use of rolling takeoffs.
 - POS thanked Delta and Alaska Airlines for their help in crafting the language.
- III. Ground Noise Study Recap, Stan Shepherd, Noise Programs Senior Manager, POS
- Several recommendations were detailed in the Ground Noise Study completed in the spring. Stan Shepherd highlighted the status of each recommendation:
 - Reverse Thrust: The airport's master record has been amended to voluntarily discourage the use of reverse thrust 24/7. Previously, it was voluntary discouraged only during the late night hours. Now that this task is completed, POS will turn its attention toward outreach. - Completed.
 - Rolling Takeoffs: Voluntary language is being developed to recommend airlines depart using rolling takeoffs as opposed to traditional takeoffs. - Nearly Complete.
 - Engine Run-Up Locations: It was determined that moving the primary run-up locations to take advantage of existing structures to block noise would end up increasing noise within other communities. - Dropped.
 - Queuing - Terminal Flight Data Manager (TFDM), the FAA's surface management solution for optimizing noise reduction, traffic flow management, and collaborative decision-making is under way as it brings benefits to the public, air traffic control, and flight operators. - Underway.
 - One Engine Taxiing: Its use has some noise reduction and emissions benefits, and POS is currently talking with airlines to better understand if it's being considered. - Further discussions in 2023.
 - Auxiliary Power Unit (APU) Use: Power at the gates offers modest noise benefits for nearby residential areas. - Further discussions in 2023.

- IV. Noise Insulation Status Report, Stan Shepherd, Noise Programs Senior Manager, POS
- Single Family Residences: 13 homes have been completed this year. There are still 71 potentially eligible homes.
 - Condos: 25 of a 28-unit condominium complex in Des Moines have been completed. Currently three remains outstanding.
 - Apartments: So far 14 applications have been received out of 18 complexes. A total of 903 units potentially eligible. Noise audits have been completed and design is underway for 312 units.
 - Places of Worship: There are four eligible properties, and design will start in early January.
 - Highline Public Schools: Ten has been completed and five remain. Pacific Middle School just received bond funding approval from voters so the project can now move forward. 80% of the work is funded by the FAA. The remaining is funded by POS.
 - POS is spending \$200 million to complete insulation projects by 2026.
 - POS does extensive outreach to promote the program.
 - Eligible homeowners interested in the program are required to sign an aviation easement, required by law. Members of the working group had a number of questions about the easement, why they are required and how much of a hindrance they might pose for the property owner.
- V. Next Steps
- Working group members to receive more information about aviation easements and their requirements.

MEMBER	INTEREST REPRESENTED	PRESENT
AMY ARRINGTON	NORMANDY PARK – CITY	✓
BILL VADINO	FEDERAL WAY – CITY	✓
BOB LEONARD	DES MOINES – COMMUNITY REPRESENTATIVE	-
BRYAN TOMICH	NORMANDY PARK – COMMUNITY REPRESENTATIVE	✓
GARMON NEWSOM II	BURIEN – CITY	✓
CARL COLE	SEATAC – CITY	-
DAVE BERGER	FEDERAL WAY – COMMUNITY REPRESENTATIVE	✓
DENISE LATHROP	DES MOINES - CITY	✓
JENN KESTER	SEATAC – CITY	✓
JEFF HARBAUGH	BURIEN – COMMUNITY REPRESENTATIVE	✓
LANCE LYTTLE	PORT OF SEATTLE	✓
LYNAE CRAIG	ALASKA AIRLINES	-
MICHAEL MATTHIAS	DES MOINES – CITY	-
PETER PHILLIPS	DES MOINES – COMMUNITY REPRESENTATIVE	-
ROBERT AKHTAR	SEATAC – COMMUNITY REPRESENTATIVE	✓
SCOTT INGHAM	DELTA AIR LINES	✓
SCOTT KENNEDY	ALASKA AIRLINES	✓
STEVE OSTERDAHL	ALASKA AIRLINES	✓
PRESENTER		
SAMER TIRHI	PORT OF SEATTLE	✓
STEVE VITTNER	PORT OF SEATTLE	✓
GUEST		

ADOLFO BAILON	BURIEN - CITY	✓
DAVE KAPLAN	PORT OF SEATTLE	✓
RESOURCES	TITLE	
MARCO MILANESE	PORT OF SEATTLE	✓
SARAH COX	PORT OF SEATTLE	✓
STAN SHEPHERD	PORT OF SEATTLE	✓
TOM FAGERSTROM	PORT OF SEATTLE	✓
CONSULTANT		
BRIAN SCOTT	BDS PLANNING & URBAN DESIGN	✓
DORI KRUPANICS	BDS PLANNING & URBAN DESIGN	✓
VINCE MESTRE	CONSULTANT	✓

NEXT MEETING: FEBRUARY 13, 2022- 5:00 PM - 7:00 PM
LOCATION: ZOOM VIDEOCONFERENCE