

Aviation Noise Working Group

MEETING SUMMARY

JANUARY 19, 2022; 5:00 PM – 6:00 PM

VIA ZOOM VIDEOCONFERENCE

Meeting Objectives:

- Update on Third Runway Usage
- Update on the Ground Noise Study's measurements and modeling results

Meeting Summary:

- I. Facilitator welcome, introduction, and meeting agenda, *Brian Scott, BDS Planning & Urban Design*
- II. Update on the Third Runway Usage, *Tom Fagerstrom, Noise Programs Coordinator, Port of Seattle*
 - A. Third Runway Usage
 - Averaged one landing a night in the 4th quarter but have seen notable increases in the usage after midnight in late-December and early January.
 - Often in the double-digits on some nights, particularly between December 27 and 31, which corresponds with the snow event.
 - 27 landings on the 3rd and the 4th of January. It was reported by the FAA that the instrument landing system (ILS) for the east runway was out of service for a period of time and may have been a factor.
 - Have limited information on the increased number of late-night landings but hope to have more during the February meeting.
 - Third Runway late night usage appears to be normalizing now.
- III. Ground Noise Study Update - Measurements and Modeling Results, *Gene Reindel, Vice President, HMMH and Mariano Sarrato, Consultant, HMMH*
 - A. Scope of Work
 - HMMH is conducting a study of airport ground noise exposure in the communities surrounding Seattle-Tacoma International Airport (SEA) to capture and analyze noise levels.
 - B. Noise Measurements
 - Temporary noise monitoring was performed along the east and west of the airport to obtain data not captured by SEA's 24 permanent noise monitors.
 - HMMH conducted monitoring at six community sites in August 2021, which captured both north and south flow operating conditions.
 - Ground operations correlated by noise monitors included, Taxiing, Engine run-ups (maintenance), Take-off roll (on departure), and Reverse thrust (on arrival).
 - C. Noise Modeling Approach
 - SoundPlan 8.1 noise simulation model was used to understand how noise propagates.
 - Used the 737-700 aircraft noise spectrum from HMMH's noise source database.
 - Added the measurements from the six sites

D. Noise Modeling Results

- HMMH modeled various aircraft ground operations in south and north flow with local buildings and terrain which show how the sound propagates in close vicinity to the airport.

E. Next Steps

- HMMH will determine and analyze conceptual mitigation options
- HMMH will provide StART with report documenting results of ground noise study

MEMBER	INTEREST REPRESENTED	PRESENT
BILL VADINO	FEDERAL WAY – CITY	✓
BOB LEONARD	DES MOINES – COMMUNITY REPRESENTATIVE	-
GARMON NEWSOM	BURIEN – CITY	✓
CARL COLE	SEATAC – CITY	-
CHRIS HALL	FEDERAL WAY – COMMUNITY REPRESENTATIVE	-
DAVE BERGER	FEDERAL WAY – COMMUNITY REPRESENTATIVE	-
DAVID TOMPOROWSKI	SEATAC – CITY	-
LANCE LYTTLE	PORT OF SEATTLE	-
AMY ARRINGTON	NORMANDY PARK – CITY	✓
MICHAEL MATTHIAS	DES MOINES – CITY	-
ROBERT AKHTAR	SEATAC – COMMUNITY REPRESENTATIVE	-
SCOTT INGHAM	DELTA AIR LINES	✓
SCOTT KENNEDY	ALASKA AIRLINES	-
STEVEN OSTERDAHL	ALASKA AIRLINES	-
SUSAN CEZAR	DES MOINES - CITY	-
PRESENTERS	TITLE	
GENE REINDEL	VICE PRESIDENT, HMMH	✓
MARIANO SARRATE	CONSULTANT, HMMH	✓
RESOURCES	TITLE	
ARLYN PURCELL	PORT OF SEATTLE	✓
CHRIS SCHAFFER	FAA	✓
CLARE GALLAGHER	PORT OF SEATTLE	✓
COLIN RICE	PORT OF SEATTLE	-
DAVE KAPLAN	PORT OF SEATTLE	-
JEFFREY BROWN	PORT OF SEATTLE	✓
JUSTIN BIASSOU	FAA	✓
MARCO MILANESE	PORT OF SEATTLE	✓
STAN SHEPHERD	PORT OF SEATTLE	✓
TIM TOERBER	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 14, 2021- 5:00 PM - 6:30 PM

LOCATION: ZOOM VIDEOCONFERENCE