

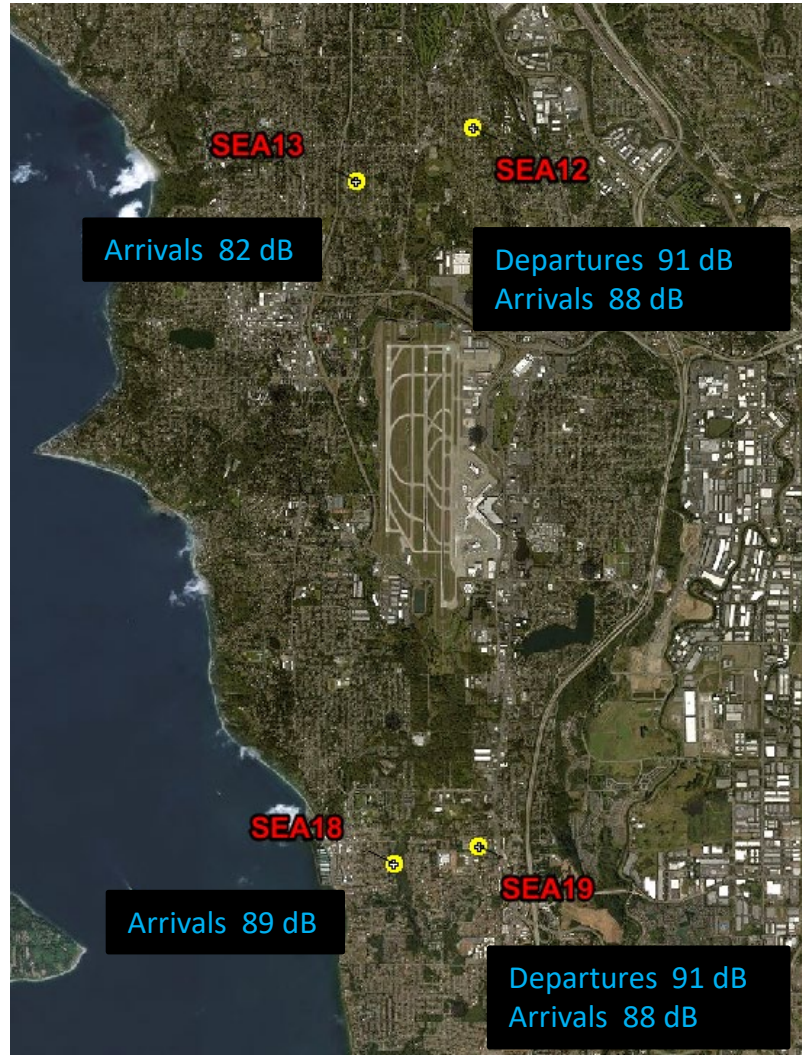
Late Night Noise Limitation Program Fourth Quarter Results & Update

Sea-Tac Stakeholder Advisory Round Table

February 26, 2020



Program Overview



- 12:00 am to 5:00 am
- Noise thresholds at 4 monitors
- Quarterly reporting
- Outreach to all airlines with operations and exceedances
- Reporting airline feedback along with any positive outcomes

Airlines That Exceeded Noise Thresholds Q4

Airline	Total Late Night Operations	Number of Exceedances	Percent of Ops Exceeding
EVA Air	130	83	64%
FedEx Express	98	46	47%
China Airlines Cargo	38	30	79%
Air Transport Intl.	207	19	9%
Cargolux	18	16	89%
Atlas Air	11	7	64%
Korean Air Cargo	16	5	31%
Alaska Airlines	820	5	1%
Delta Air Lines	445	4	1%
United Airlines	224	3	1%
Omni Air Intl.	14	1	7%
Southwest Airlines	196	1	Less than 1%

Airlines That Operated With No Noise Exceedances Q4

Airline	Total Late Night Operations
American Airlines	220
Horizon Air	175
JetBlue	98
Cathay Pacific	65
Spirit Airlines	41
Sun Country Airlines	32
Frontier Airlines	30
Compass Airlines	23
SkyWest Airlines	21
Hawaiian Airlines	14
CargoJet	10
ABX Air	9
Kalitta Air	3
Sky Lease Cargo	1
Condor	1

*These airlines will also be contacted by Port staff

Tracking the Data Q3 to Q4

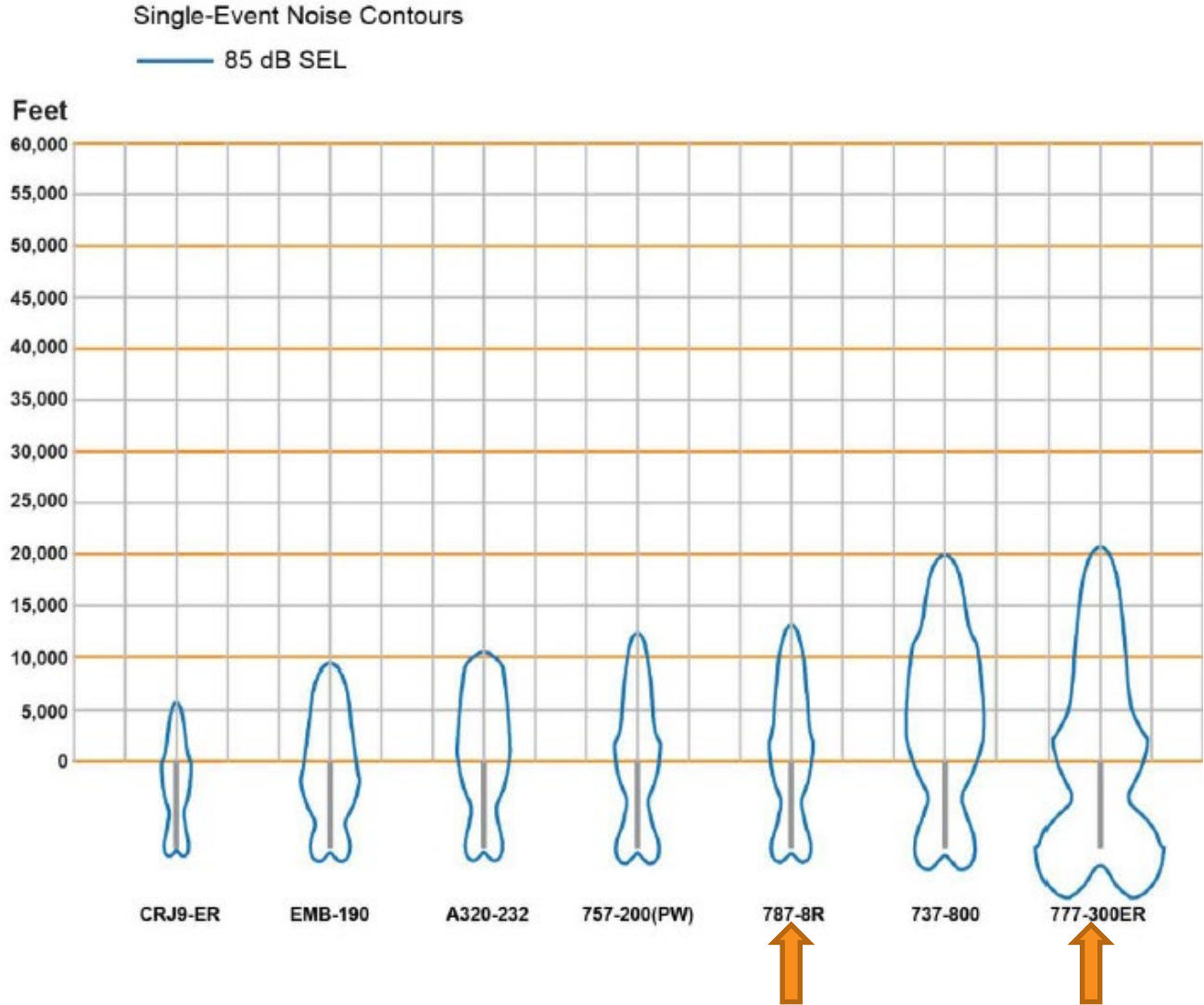
	Third Quarter 2019	Fourth Quarter 2019
Total Late Night Operations	3874	2960
Total Ops Exceeding Thresholds	239 <i>143 departures / 96 arrivals</i>	220 <i>139 departures / 81 arrivals</i>
Percent of Total Ops Exceeding	6%	7%
Percent of Exceeding Ops Cargo/Passenger	62% Cargo – 38% Passenger	56% Cargo – 44% Passenger

EVA Air

- Operates two Boeing 777 departures to Taipei per night
- Very good response and communication after Q3 results
- Meaningful dialog has resulted in planned change to the quieter **Boeing 787** in May 2020
- Change presents many operational challenges to EVA
- Outreach and appreciation
- Communication with EVA will continue



Comparison of Boeing 777 & 787 Departure Noise



* At Noise Monitor #19, the 787 averages over 5 dB SEL quieter than the 777

FedEx Express

- Typically operates the MD-11 during late night hours
- Also operates the 777, 767, 757, A300 throughout the day
- Good communication established after Q3 results
- Long term fleet plans include retiring the MD-11
- Communication will continue



China Airlines Cargo

- Operates Boeing 747-400 during late night hours 3-4 times per week to Taipei
- 747 is the only aircraft in fleet
- Dialog established after Q3 results
- Scheduling challenges conveyed
- Communication from Port staff will continue



Good Communication & Feedback

- Air Transport International
- Korean Air Cargo
- Alaska Airlines
- Delta Air Lines
- Cathay Pacific
- Horizon Air
- More to come as outreach continues...



Thank You

Questions?

Suggestions?

Tom Fagerstrom, Noise Programs (206) 787-6793

Fagerstrom@portseattle.org