



Noise Footprint Comparison

Noise Abatement

In its continuing effort to provide a high level of aviation service to the Seattle-Tacoma area, the Port of Seattle recognizes its responsibility to address noise problems caused by Sea-Tac's aircraft operations. For this reason, Sea-Tac maintains a progressive aircraft noise abatement program that contains a number of features. Most significant, is the measurable noise relief from the phase out of stage II aircraft, and airlines replacing older-noisier aircraft with significantly quieter planes. This fact sheet describes the noise impacts associated with different types of aircraft using Sea-Tac Airport.

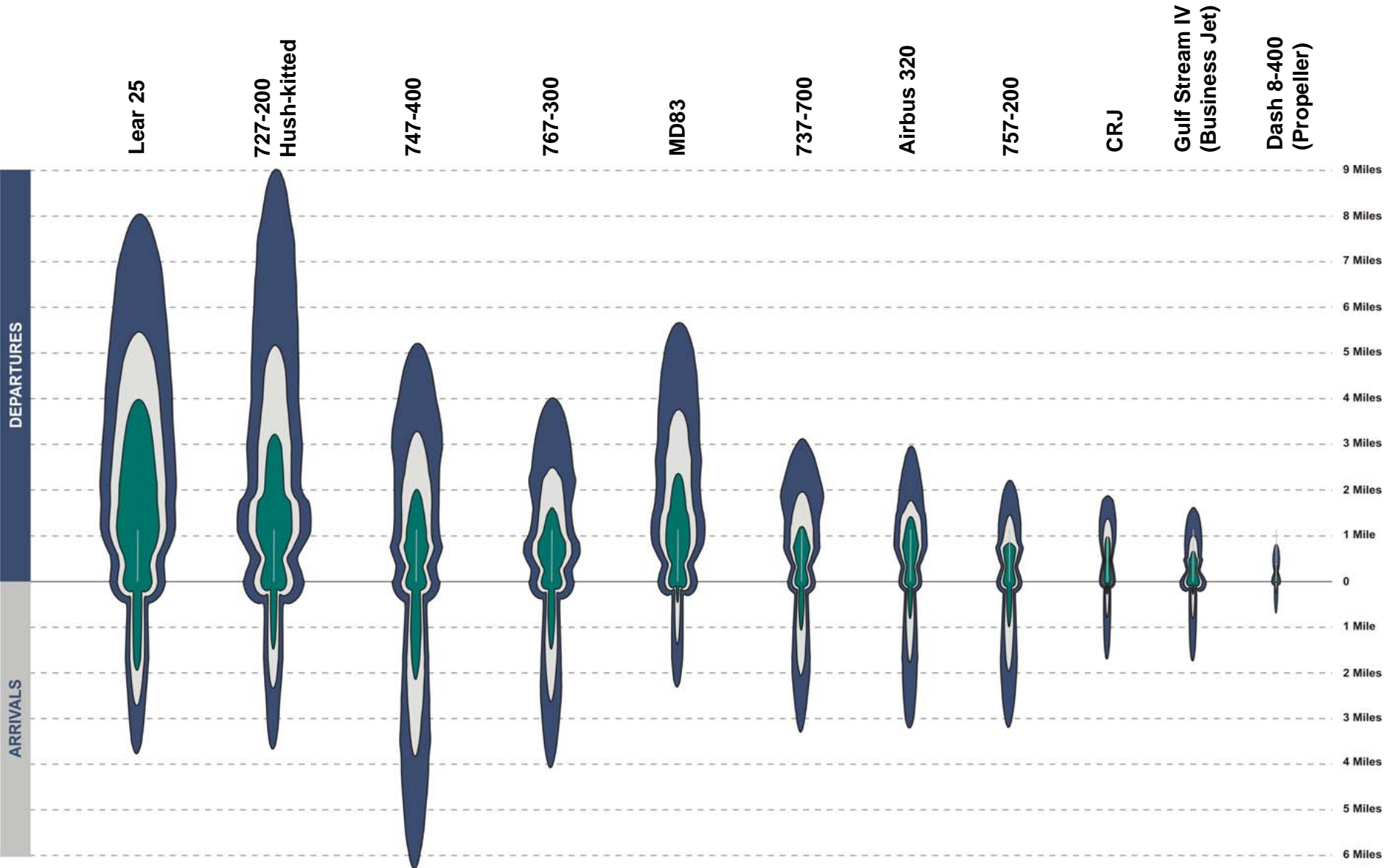
Another effort to reduce noise impacts on the community is our Fly Quiet Program. This is an incentive program for all passenger and cargo airlines operating jet aircraft at Sea-Tac. The goal of the Fly Quiet Program is compliance with noise abatement procedures, quieter fleet mixes, and compliance with engine run-up rules and regulations, particularly during the nighttime hours.

Noise Footprint Graphics

The noise footprints depicted in this fact sheet compare the noise produced by a variety of aircraft, including jets and propeller aircraft. In the illustrations on the back of this fact sheet, each footprint depicts the average sound exposure based on distance from the aircraft itself. The metric used to determine the noise is called sound exposure level (SEL). SEL is the total noise emitted by one over-flight or aircraft compressed into a time period of one second. This metric takes into account the maximum noise level and the duration of the event.

For more information on aircraft noise at Sea-Tac Airport, please contact the Noise Abatement Office at 206-433-5393 or 1-800-826-1147.

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SEL Legend
 — 80 dBA
 — 85 dBA
 — 90 dBA
 dBA=decibal

Sound Exposure Level (**SEL**) is the total noise emitted by one over-flight or aircraft compressed into a time period of one second. This metric takes into account the maximum noise level and the duration of the event.