

Noise Impact Summary: June 2025

Official report for community transparency and policy review.

Key Monthly Metrics	
Metric Category	Recorded Observation
Monthly Event Count	9,872 airplane noise events detected.
Night Observation	11:00 PM to 7:00 AM analysis window.
Night Limit Violations	1,287 events above the 45 dB threshold.
Frequency of Impact	Exceedances occurred on 27 of 30 nights.
Density of Noise	Median gap between events is 1.9 minutes.
Night Intensity	Median: 70.4 dB Max: 88.1 dB.

Sustained Noise Sequences (Event Trains)		
Max Gap Allowed	Full Day Max Duration	Night Hours Only
Events ≤ 5 min apart	5h 28m 33s (185 events)	1h 04m 36s (29 events)
Events ≤ 10 min apart	15h 29m 03s (379 events)	1h 49m 46s (43 events)
Events ≤ 15 min apart	19h 25m 13s (491 events)	2h 16m 43s (49 events)

Scientific Impact Transparency	
Loudness Perception	A 75 dB event is perceived as 300% LOUDER than daytime limits (55dB) and 700% LOUDER than nighttime limits (45dB).
Physical Sound Energy	Each 75 dB event contains 1,000 TIMES more physical sound energy than the nighttime safety limit.
Sleep Protection	The consistency of nightly exceedances indicates that there is currently no protected sleep window for residents.