

Noise Impact Summary: November 2025

Official report for community transparency and policy review.

Key Monthly Metrics	
Metric Category	Recorded Observation
Monthly Event Count	10,213 airplane noise events detected.
Night Observation	11:00 PM to 7:00 AM analysis window.
Night Limit Violations	1,068 events above the 45 dB threshold.
Frequency of Impact	Exceedances occurred on 28 of 30 nights.
Density of Noise	Median gap between events is 2.0 minutes.
Night Intensity	Median: 70.6 dB Max: 88.4 dB.

Sustained Noise Sequences (Event Trains)		
Max Gap Allowed	Full Day Max Duration	Night Hours Only
Events ≤ 5 min apart	7h 24m 05s (241 events)	1h 27m 34s (44 events)
Events ≤ 10 min apart	13h 18m 40s (362 events)	1h 59m 06s (54 events)
Events ≤ 15 min apart	17h 56m 29s (446 events)	1h 59m 06s (54 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.