

A) NOISE CATEGORIES	B) SPECIFIC CAUSES	C) IMPACT LEVEL	D) LOCAL CONTROL LEVEL	E) EXISTING INITIATIVES	F) ACR-RELATED SOLUTIONS AND STATUS	G) BENCHMARKING OPPORTUNITIES
WHAT/ EQUIPMENT	Loud Aircraft	High			Modify 283 American Airlines Airbus aircraft with the vortex generators (American has modified 44 of 283 as of 12/19/18. To be completed by 3/1/22); <b>Request 46</b> noted that modification “estimated to cause up to a 4dB reduction in aircraft noise between 6-10 miles away from the Airport. “	Phase out of loudest aircraft and introduction of quietest equipment.  Fitting all A320s with quiet technology (vortex generators)
	Inadequate residential insulation/ abatement			The City of Charlotte has created a noise disclosure overlay based on the 1996 65 DNL contours. – <b>CLT Ref. 3</b>  CLT has soundproofed over 1000 homes, six churches and three schools in accordance with our Part 150 program. – <b>CLT Ref. 4</b>  Over 400 properties have been purchased for noise abatement reasons. – <b>CLT Ref. 5</b>		
	Inadequate noise monitoring network and metrics beyond Dba thresholds			CLT is phasing out physical noise monitors in preference to 'virtual monitors', utilizing a similar system to the FAA Aviation Environmental Design Tool (AEDT), the official contour generating system. – <b>CLT Ref. 12</b>		Increase noise monitoring locations and reporting  Include noise sensitive locations like schools in noise monitoring  Increase noise metrics beyond 65 Dba thresholds (measure frequency and duration)

