

Audible Noise

Does the audible noise study done for the EIS meet the county ordinance Title 6, Chapter 21 of the county code?

Tooele County Code: Title 6, Chapter 21, Section 6-21-6 - Use district noise levels, of the Tooele County Code states that:

(1) It shall be a violation of this title for any person to create sustained noise that exceeds the limits set forth for the following receiving land use districts when measured at the property boundary or at any point within the property affected by the noise:

Use district	10 p.m.-7 a.m.	7 a.m.-10 p.m.
Residential	55 dB(A)	65 dB(A)
Commercial / Agricultural	60 dB(A)	80 dB(A)
Industrial	75 dB(A)	90 dB(A)

Mona to Oquirrh Transmission Corridor Project Draft EIS – Audible Noise Analysis

Of the allowable levels specified in the Tooele County Code, the lowest value in any use district is 55 dB(A). Table 4-9 from page 4-56 of the Draft EIS (shown below) identifies the median audible noise levels of the Project's 3 different types of transmission line configurations (500kV, 345kV, and 500kV operated at 345kV). These measurements are given for the edge of the right-of-way (250 feet for the 500kV and 150 feet for the 345kV) and diminish over distance from the source. In fair weather, the highest median value of any configuration type is 30.0 dB(A). During foul weather events, the highest dB(A) median audible noise level is 55.0 dB(A). These values do not exceed the Tooele County Code levels for any use district.

TABLE 4-9
**CALCULATED AUDIBLE NOISE LEVELS OF THE MONA-OQUIRRH 500KV AND 345KV TRANSMISSION
 LINE CONFIGURATIONS***

Line Configuration	Right-of-Way Distance	Fair Weather L50		Foul Weather L50	
		- ROW Edge (dBA)	+ ROW Edge (dBA)	- ROW Edge (dBA)	+ ROW Edge (dBA)
500kV	250 feet	27.1	27.1	52.1	52.1
500kV operated at 345kV	250 feet	5.3	5.3	30.3	30.3
345kV	150 feet	30.0	30.0	55.0	55.0

NOTE:

* The noise levels are reported as median or L50 levels, i.e. the dBA value was exceeded 50 percent of the time.