

## 20. Noise and Vibration

### Overview

This section provides guidelines for evaluating a project's potential noise and vibration impacts, including construction and operational noise levels as well as ground-borne vibrations. The impact analysis includes assessing compliance with the Ventura County Noise and Vibration Assessment Guidelines (which has been updated as part of this project) and the Federal Transit Administration's Transit Noise and Vibration Assessment Manual, to determine the level of impact and mitigate adverse effects on sensitive noise and vibration uses.

This topic section is updated from **Section 21, Noise and Vibration** in the existing ISAGs.

### Thresholds of Significance

Impact analysis guidelines (formerly referred to as "Methodology") are provided accordingly for the following updated thresholds.

**A project may have a significant impact if it would:**

**NOI-1** Generate an increase in ambient noise levels in excess of the noise standards established in the Ventura County Noise and Vibration Assessment Guidelines, General Plan, Area Plan, and Zoning Ordinance applicable to the project.

**NOI-2** Generate construction or other vibration in excess of vibration standards established in the Ventura County Noise and Vibration Assessment Guidelines and Section 6.2 (Determine Vibration Impact Criteria) of the Federal Transit Administration's Transit Noise and Vibration Assessment Manual.

**Legend:**

 Derived from a combination of specific County standards and Appendix G of CEQA

### Related Technical Terms

The following technical terms related to this topic section have been updated or incorporated:

- Community Noise Equivalent Level
- Decibel (dB)
- Noise contours
- Noise sensitive uses
- Transit use
- Vibration sensitive uses
  - Vibration sensitive use category 1 (high sensitivity)
  - Vibration sensitive use category 2 (residential)
  - Vibration sensitive use category 3 (institutional)