

5. Environmental Analysis

Each section of this chapter describes the physical and regulatory environmental setting of the Proposed Project's Site and surrounding vicinity, identifies thresholds of significance from which environmental impacts are determined, and identifies potentially significant environmental impacts resulting from implementation of the Proposed Project. Where significant impacts are recognized, mitigation measures to reduce or avoid impacts are identified. This chapter has a separate section for each environmental issue area that was determined to need further study in the Draft Environmental Impact Report (DEIR). This scope was determined in the initial study/notice of preparation (IS/NOP), which were published January 13, 2023 (see Appendix B), and through public, organization, and agency comments received during the NOP comment period from January 13, 2023, to February 12, 2023 (see Appendix C). Environmental issues and their corresponding sections are:

- 5.1 Aesthetics
- 5.2 Air Quality
- 5.3 Cultural Resources
- 5.4 Energy
- 5.5 Geology and Soils
- 5.6 Greenhouse Gas Emissions
- 5.7 Hazards and Hazardous Materials
- 5.8 Hydrology and Water Quality
- 5.9 Land Use and Planning
- 5.10 Noise
- 5.11 Recreation
- 5.12 Transportation

Organization of Environmental Analysis

To assist the reader with comparing information between environmental issues, each section is organized under the following major headings:

- Environmental Setting
 - Regulatory Setting
 - Existing Conditions
- Thresholds of Significance
- Environmental Impacts
 - Methodology
 - Impact Analysis

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- Mitigation Measures
- Level of Significance After Mitigation
- Cumulative Impacts
- References

In addition, Chapter 1, *Executive Summary*, has a table that summarizes all impacts by environmental issue.

Terminology Used in This Draft EIR

The level of significance is identified for each impact in this DEIR. Although the criteria for determining significance are different for each topic area, the environmental analysis applies a uniform classification of the impacts based on definitions consistent with CEQA and the CEQA Guidelines:

- **No impact.** The resource is not present, or the Proposed Project would not result in any change in the environment.
- **Less than significant impact.** The Proposed Project would not cause any substantial, adverse change in the environment.
- **Potentially significant impact.** The Proposed Project would result in direct or indirect adverse change in the environment that exceeds established thresholds, which requires:
 - **Mitigation measures.** Feasible measures applied to the Proposed Project and intended to minimize identified significant adverse environmental impacts.
- **Significant and unavoidable.** The Proposed Project would cause a substantial adverse effect on the environment, after implementation of all feasible mitigation measures to reduce the impact to a less than significant level.