

4.0 EXISTING CONDITIONS, IMPACT ANALYSIS, AND MITIGATION PROGRAM

In accordance with Sections 15125 and 15126(a) to (c) of the State CEQA Guidelines, this Section of the EIR analyzes those environmental topics where the Project could result in “potentially significant impacts,” as identified in the Initial Study included in Appendix A. The County identified the following specific topics as requiring detailed EIR analysis:

- Air Quality
- Biological Resources
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Land Use and Planning
- Noise
- Public Services
- Utilities and Service Systems (water and wastewater services)
- Transportation/Traffic
- Water Quality

Each topical section includes the following information: description of applicable regulations; information on the existing setting; identification of methods used for the analysis presented in the section; identification of thresholds of significance; analysis of potential project effects and identification of significant impacts; identification of a mitigation program, if required, to reduce the impacts; and level of significance after mitigation.

As discussed in Section 1.6 and the Initial Study (Appendix A), it has been determined that the following environmental resource areas would not result in potentially significant impacts and do not need any further analysis in the EIR: aesthetics, agriculture and forestry resources, cultural/scientific resources, geology and soils, hydrology, mineral resources, population and housing, recreation, and utilities and services (solid waste disposal).

Section 15064.7 of the State CEQA Guidelines addresses thresholds of significance and encourages each public agency to develop thresholds of significance through a public review process. The County of Orange has not formally adopted thresholds of significance. The thresholds used in this EIR have been derived from several sources, including the General Plans for the adjacent jurisdictions, the CEQA Checklist contained in Appendix G of the State CEQA Guidelines, and adopted thresholds from other agencies (such as the South Coast Air Quality Management District and Caltrans).

To ensure the EIR evaluates the full range impacts, an impact analysis has been conducted for each of the interim phases when flight or passenger levels are proposed to change (i.e., 2016, 2021, and 2026), unless otherwise noted in the topical section. A mitigation program has been developed to minimize the potential impacts to the maximum extent feasible. The text identifies if the mitigation measures apply to the scenarios evaluated, or just to the Proposed Project or one of the alternatives. Given the Project would not be fully implemented until 2026, and potentially later, some impacts are not projected to occur for many years. In these cases, the

mitigation measures also identify specific performance criteria relating to the timing of the application of the mitigation measures.

4.0.1 REFERENCES

California, State of. 2014a (current through). *California Code of Regulations* (Title 14, Natural Resources; Division 6, Resources Agency; Chapter 3, Guidelines for Implementation of the California Environmental Quality Act). Sacramento, CA: the State. [https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?guid=I8FC24D50D48811DEBC02831C6D6C108E&originationContext=documenttoc&transitionType=Default&contextData=\(sc.Default\)](https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?guid=I8FC24D50D48811DEBC02831C6D6C108E&originationContext=documenttoc&transitionType=Default&contextData=(sc.Default)).

———. 2014b (current through). *California Public Resources Code* (Division 13, Environmental Quality; Sections 21000–21177). Sacramento, CA: the State. http://leginfo.legislature.ca.gov/faces/codes_displayexpandedbranch.xhtml.

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