

4.1 INTRODUCTION

This section describes existing environmental conditions within the study area for the proposed Antelope Transmission Project – Segments 2 (Antelope to Vincent) and 3 (Antelope to Substations One and Two), including the following project components, which are described in detail in Section 3.0 (Description of the Proposed Project):

- T/L facilities (proposed and alternative)
- Substation facilities (existing SCE Antelope 220 kV and Vincent 500 kV substations, and proposed new Substations One and Two)

The primary purpose of this section is to describe the existing environmental conditions in a sufficient level of detail to meet CPUC CEQA Rules (Rule 17.1 Special Procedure for Implementation of the California Environmental Quality Act of 1970) and to support and form the basis for environmental impact assessments presented in Section 5.0 (Environmental Impacts and Mitigation) of this PEA.

The balance of this section is organized as follows:

- 4.2 Aesthetics
- 4.3 Agricultural Resources
- 4.4 Air Quality
- 4.5 Biological Resources
- 4.6 Cultural Resources
- 4.7 Geological Resources
- 4.8 Hazards and Hazardous Materials
- 4.9 Hydrology and Water Quality
- 4.10 Land Use and Planning
- 4.11 Mineral Resources
- 4.12 Noise
- 4.13 Population and Housing
- 4.14 Public Services/Utilities
- 4.15 Recreation
- 4.16 Traffic and Transportation