

5.1 INTRODUCTION

This section presents an assessment of potential environmental impacts that would be associated with construction and operation of the proposed Antelope Transmission Project – Segments 2 and 3, including T/L and substation facilities that are described in detail in Section 3.0 (Description of the Proposed Project). The assessments presented herein consider impact significance criteria, which include the criteria contained in CEQA, Appendix G. Additional significance criteria are utilized (e.g., local agency criteria), where applicable. This section also presents applicant-proposed mitigation measures (APMs) to reduce the significance of potential impacts associated with the project. APMs are presented at the end of each resource discipline assessment, as applicable.

A summary of project-related potentially significant adverse environmental effects as well as a comparison of alternatives are presented in Section 6.0. A completed CEQA Initial Study Checklist is presented in Appendix A of this PEA.

The balance of this section is organized as follows:

- 5.2 Aesthetics
- 5.3 Agricultural Resources
- 5.4 Air Quality
- 5.5 Biological Resources
- 5.6 Cultural Resources
- 5.7 Geological Resources
- 5.8 Hazards and Hazardous Materials
- 5.9 Hydrology and Water Quality
- 5.10 Land Use and Planning
- 5.11 Mineral Resources
- 5.12 Noise
- 5.13 Population and Housing
- 5.14 Public Services/Utilities
- 5.15 Recreation
- 5.16 Traffic and Transportation

Other impact related assessments presented in subsequent sections of this PEA are as follows:

- 6.0 Significant Environmental Impacts and Comparison of Alternatives
- 7.0 Cumulative Impacts
- 8.0 Growth-Inducing Impacts
- 9.0 Indirect Effects

The following technical backup reports and/or related consultations and communications are presented in appendices to the PEA:

- Appendix A: CEQA Initial Study Checklist
- Appendix B: SCE Public Involvement Program
- Appendix C: SCE Agency Communications
- Appendix D: Biological Resources
- Appendix E: Cultural Resources Technical Report
- Appendix F: Native American Consultation
- Appendix G: Property Owner List
- Appendix H: Air Quality Emission Calculations
- Appendix I: Road Story Aerials