

5.1 INTRODUCTION

This section presents an assessment of potential environmental impacts that are associated with construction and operation of Segment 1, including T/L and substation facilities that are described in detail in Section 3.0 (Description of the Proposed Project). This section also presents mitigation measures proposed by SCE to reduce the significance of potential impacts associated with the project.

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 Socioeconomics/Environmental Justice
- 5.17 Traffic and Transportation

Although not required under CPUC/CEQA guidelines, this PEA addresses Socioeconomics/Environmental Justice as required by the National Environmental Policy Act (NEPA). The majority of the proposed and alternate Segment 1 500 kV T/L routes are within the

boundaries of the Angeles National Forest, thus, socioeconomics and environmental justice are included to facilitate NEPA compliance by the USFS.

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: Road Story Aerials
- Appendix I: Fire Prevention and Response Plan
- Appendix J: Spur Road Restoration Plan