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4.0 ENVIRONMENTAL INFORMATION

This chapter contains 16 individual sections, each with a divider and tab heading. The sections represent the 16 environmental, public health and safety, and local impact assessment disciplines for which the California Energy Commission (CEC) Energy Facilities Siting Regulations (Title 20, California Code of Regulations, Section 1704, Appendix B) require information in an Application for Certification (AFC). The sections have a standardized format under the following headings:

- Introduction
- Affected Environment
- Environmental Consequences
- Cumulative Impacts
- Mitigation Measures
- Laws, Ordinances, Regulations, and Standards
- Agencies and Agency Contacts
- Required Permits and Permitting Schedules

The Introduction briefly describes the subject matter and organization of each section. Affected Environment provides relevant background information about the proposed Project's environmental, social, and regulatory settings. Environmental Consequences presents the analysis of the potential environmental consequences of the construction and operation of the proposed Project. Significance criteria used to determine whether environmental effects of the project qualify as significant adverse environmental impacts are listed. Cumulative Impacts discusses potential effects of the Project that are not significant adverse impacts, but that could reach significance cumulatively in combination with other projects. Mitigation Measures describes any mitigation measures necessary to reduce potential impacts below the level of significance. The LORS section discusses and lists the LORS that pertain to the Project for a given discipline and includes a demonstration that the proposed Project would comply with all applicable LORS. Agencies and Agency Contacts is a list of federal agencies with permitting authority over the project, and state and local regulatory agencies that would have such permitting authority, but for the exclusive purview of the CEC to license thermal power plants greater than 50 MW in capacity in California. This section also contains a list of regulatory agency staff and their contact information. Required Permits and Permitting Schedules lists what these permits would be.

The Section 4.0 subsections are listed below and presented in the following order:

- 4.1 Cultural Resources
- 4.2 Land Use
- 4.3 Noise
- 4.4 Traffic and Transportation
- 4.5 Visual Resources
- 4.6 Socioeconomics

- 4.7 Air Quality
- 4.8 Public Health
- 4.9 Hazardous Materials Handling
- 4.10 Worker Health and Safety
- 4.11 Waste Management
- 4.12 Biological Resources
- 4.13 Water Resources
- 4.14 Agriculture and Soils
- 4.15 Paleontological Resources
- 4.16 Geological Hazards and Resources
- 4.17 Cumulative Impacts