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Project Title:	Gem Energy Storage Center
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Document Title:	Section 5_Environmental Analysis
Description:	Section 5 provides an introduction to the 16 individual sections that represent the standard environmental, public health and safety, and local impact assessments needed for the application for certification of the Gem Energy Storage Center
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5.0 ENVIRONMENTAL ANALYSIS

This chapter contains 16 individual sections. The sections represent the standard 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. Most of the sections use a standardized format containing the following headings and associated content:

- Affected Environment includes relevant background information about the project's environmental, social, and regulatory settings.
- Environmental Analysis addresses the potential environmental consequences of the construction and operation of the Gem Energy Storage Center (GESC). The section begins with a list of the criteria used to determine whether environmental effects of the GESC qualify as significant adverse environmental impacts.
- Cumulative Effects discusses potential effects of the GESC 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.
- Laws, Ordinances, Regulations, and Standards (LORS) lists those that pertain to the GESC for a given discipline, and includes a demonstration that the GESC, as designed, would comply with all applicable LORS.
- Agencies and Agency Contacts is a list of federal agencies with permitting authority over the GESC, 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 with a capacity of 50 megawatts or more in California. This section also contains a list of regulatory agency staff and their locations.
- Permits and Permit Schedules identifies applicable permits and their schedules.