4.17 Utilities and Service Systems

4.17.1 ENVIRONMENTAL SETTING
The Proposed Project is located in southwestern Riverside County and crosses land within the cities of Lake Elsinore and Perris. Table 4.17-1 identifies the utilities and service systems in the Project Study Area.

<table>
<thead>
<tr>
<th>Utilities/Service Systems</th>
<th>County of Riverside</th>
<th>City of Lake Elsinore</th>
<th>City of Perris</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Distribution</td>
<td>SCE</td>
<td>SCE</td>
<td>SCE</td>
</tr>
<tr>
<td>Water Treatment and Distribution</td>
<td>Western Municipal Water District and Eastern Municipal Water District</td>
<td>Elsinore Valley Municipal Water District</td>
<td>Eastern Municipal Water District</td>
</tr>
<tr>
<td>Sewer Facilities</td>
<td>Septic Systems</td>
<td>Elsinore Valley Municipal Water District</td>
<td>Eastern Municipal Water District</td>
</tr>
<tr>
<td>Solid Waste Disposal</td>
<td>Riverside County Waste Management Department</td>
<td>Riverside County Waste Management Department</td>
<td>CR&amp;R Disposal</td>
</tr>
<tr>
<td>Storm Water Drainage</td>
<td>Riverside County Flood Control and Water Conservation District</td>
<td>Riverside County Flood Control and Water Conservation District</td>
<td>Riverside County Flood Control and Water Conservation District</td>
</tr>
<tr>
<td>Natural Gas</td>
<td>Southern California Gas Company</td>
<td>Southern California Gas Company</td>
<td>Southern California Gas Company</td>
</tr>
<tr>
<td>Landfill</td>
<td>Badlands and El Sobrante Landfills</td>
<td>El Sobrante Landfill, Corona</td>
<td>Badlands Landfill, Moreno Valley</td>
</tr>
</tbody>
</table>

SOURCE: Riverside County 2003, City of Lake Elsinore 1990, City of Perris 2006, and RCWMD 2006

Project Study Area
The Proposed Subtransmission Line Route is located primarily along existing SCE transmission, subtransmission and distribution lines. The Proposed Subtransmission Line Route would cross one natural gas pipeline that runs from Lake Elsinore to the northwest in the same general direction as I-15. The Proposed Subtransmission Line Route crosses the existing natural gas pipeline in five locations. These locations include two each at Segments W-1 and W-10 and once at Segment W-4.

4.17.2 REGULATIONS, PLANS AND STANDARDS

Federal
There are no federal utility regulations applicable to the Proposed Project.

State

California Public Utilities Commission
The CPUC regulates intrastate and local natural gas and electrical distribution facilities and services, natural gas procurement, water utilities, pipelines, and production and gathering. Regulations related to natural gas services at the local level include the California Building Code,
the California Health and Safety Code, the California Fire Code, and their associated implementing ordinances of Riverside County.

**California Department of Water Resources**

The California Department of Water Resources (CDWR) manages California’s water resources. The regulations overseen by CDWR regarding water service availability include the Urban Water Management Planning Act and Senate Bills (SB) 221 and 610. The California Act, adopted in 1983, requires all urban water suppliers within the state to prepare an Urban Water Management Plan and update them every five years.

**California Integrated Waste Management Act**


**Regional and Local**

Buildings and other structures and equipment owned and operated by a public utility or private utility company are subject to regulation by the California Public Utilities Commission; these projects are exempt from local regulations.

**County of Riverside**

The Riverside County General Plan Land Use Element includes several applicable policies (County of Riverside 2003):

- **LU 1.6**: Coordinate with local agencies, such as LAFCO, service providers and utilities, to ensure adequate service provision for new development. (AI 4)
- **LU 5.1**: Ensure that development does not exceed the ability to adequately provide supporting infrastructure and services, such as libraries, recreational facilities, transportation systems, and fire/police/medical services. (AI 3, 4, 74)
- **LU 5.2**: Monitor the capacities of infrastructure and services in coordination with service providers, utilities, and outside agencies and jurisdictions to ensure that growth does not exceed acceptable levels of service. (AI 3, 4, 32, 74)
- **LU 5.4**: Ensure that development and conservation land uses do not infringe upon existing public utility corridors, including fee owned rights-of-way and permanent easements, whose true land use is that of “public facilities.” This policy will ensure that the “public facilities” designation governs over what otherwise may be inferred by the large scale general plan maps. (AI 3)

**City of Lake Elsinore**

The City of Lake Elsinore has no regulations for utilities applicable to the Proposed Project.

**City of Perris**

The City of Perris has no regulations for utilities applicable to the Proposed Project.

**4.17.3 SIGNIFICANCE THRESHOLDS**

According to CEQA significance criteria, the Proposed Project would result in a significant impact if it would:
4.17 UTILITIES AND SERVICE SYSTEMS

- Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board
- Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects
- Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects
- Not have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements are needed
- Result in a determination by the wastewater treatment provider, which serves or may serve the project that it does not have adequate capacity to serve the project’s projected demand in addition to the provider’s existing commitments
- Be served by a landfill with insufficient permitted capacity to accommodate the project’s solid waste disposal needs
- Comply with federal, state, and local statutes and regulations related to solid waste

4.17.4 IMPACT ANALYSIS

Impact Summary
The potential impacts to public utilities from construction and operation of the Proposed Project would not be significant. Construction of the Proposed Project would not require large amounts of water. Wastewater generated on site would be nominal and portable toilets would be utilized during construction. The Proposed Project would not discharge wastewater or exceed local water treatment requirements. No new or expanded water, water entitlements, or wastewater treatment facilities would be required for the Proposed Project. Poles that are removed and not reusable and the small amounts of other waste generated during construction would be accommodated in local landfills. Construction of the Proposed Subtransmission Line, telecommunications line, and substation improvements would increase reliability and capacity of the electrical service system in the area. Operation would not adversely affect public utilities and no detrimental effects would occur as a result of the construction and operation of the Proposed Project.

Construction Impacts

Water

Subtransmission Line and Telecommunications Line. Construction of the Proposed Subtransmission Line and telecommunications line would require minimal amounts of water for dust control and human consumption. Water to all construction sites would be brought in by tanker truck (for applications involving dust control) and in small containers for human consumption. The amount of water that would be required during project construction is minimal and is also a one-time use, and therefore, there is no anticipated impacts to local or regional water supplies and supply delivery systems that would be affected by construction of the Proposed Subtransmission Line and telecommunications line.

Substations. Construction of minor improvements to the Valley and Ivyglen substations would require minimal amounts of water for dust control and human consumption. Water to all construction sites would be brought in by tanker truck (for applications involving dust control) and in small containers for human consumption. The amount of water that would be required during
Project construction is minimal and is also a one-time use, and therefore, there is no anticipated impacts to local or regional water supplies and supply delivery systems that would be affected by construction of the improvements to the substations.

**Solid Waste Disposal**

**Subtransmission Line and Telecommunications Line.** The Proposed Subtransmission Line includes the transfer of existing lines onto new poles and the removal of 215 to 275 existing poles. The existing poles would be removed and stockpiled for future use or, for those poles that could not be reused, disposed of in a landfill as non-hazardous waste. Local landfills have the capacity to accommodate the poles that would not be reused. The solid waste disposal would not be significant. The Proposed Project would also generate minor amounts of solid waste during construction. SCE’s best management practices would ensure the proper disposal of solid waste. Solid waste volumes would be small enough that they would not cause significant impacts to landfills in the Project Study Area. The construction of the telecommunication line would be in parallel with the Proposed Subtransmission Line and would therefore not have any additional impact on solid waste disposal.

**Substations.** Small volumes of construction related debris would be disposed of during construction of improvements to the Valley and Ivyglen substations. Volumes would be small enough that they would not cause significant impacts to landfills in the Project Study Area.

**Waste Water**

**Subtransmission Line and Telecommunications Line.** Construction of the Proposed Subtransmission Line and telecommunications line would generate minor amounts of waste water during the construction period. SCE’s best management practices would ensure the proper collection and disposal of waste water.

**Substations.** Improvements to the Valley and Ivyglen substations would not require the use of significant amounts of water during the construction period. SCE’s best management practices would ensure the proper collection and disposal of waste water.

**Operation Impacts**

**Electrical Service**

**Subtransmission Line and Telecommunications Line.** Operation of the Proposed Subtransmission Line and telecommunications line would increase the amount and reliability of electrical service in the area. Operation of the Proposed Subtransmission Line and telecommunications line would not have a significant impact on any public utilities.

**Substations.** Proposed improvements to the substations would increase the amount and reliability of electrical energy available to the Electrical Needs Area and would have a net positive impact on the reliability of electrical service in the area. The proposed improvements to the substations would not have a significant impact on any public utilities.

### 4.17.5 SCE PROPOSED MEASURES

SCE would implement best management practices for construction waste management. SCE will take all solid waste to local disposal collection areas for proper permanent disposal according to regulations.

**UTIL-SCE-1:** Crew personnel would clean the work site before leaving by removing all litter and debris.
4.17 UTILITIES AND SERVICE SYSTEMS

4.17.6 MITIGATION MEASURES
Impacts to utilities and service systems would be less than significant, and therefore, no mitigation is required.

4.17.7 ALTERNATIVES
The impact comparison Table 4.17-2 identifies the alternative route segments, the difference between the Proposed Route setting and the alternative setting, any differences in impacts between proposed route and the alternatives, and whether there are additional SCE Proposed Measures or Mitigation Measures for the alternative segments.

<table>
<thead>
<tr>
<th>Alternative Route</th>
<th>Setting</th>
<th>Impact</th>
<th>Compared to Proposed Project</th>
<th>SCE Proposed Measures/Mitigation Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-2</td>
<td>Located along new routes following existing roadways through the City of Perris</td>
<td>Same as Proposed Route</td>
<td>Equal Impact</td>
<td>Same as Proposed Route</td>
</tr>
<tr>
<td>C-2</td>
<td>Follows existing 33 kV and 12 kV lines northwest of Highway 74 to El Toro Road</td>
<td>More existing poles would be replaced (100 to 125 rather than 0 to 25)</td>
<td>Greater Impact</td>
<td>Same as Proposed Route</td>
</tr>
<tr>
<td>C-7</td>
<td>Follows Highway 74 southwest from Ethanac Road along the east side, within the Caltrans ROW until Peach Street, where it crosses to the west side</td>
<td>Same as Proposed Route</td>
<td>Equal Impact</td>
<td>Same as Proposed Route</td>
</tr>
<tr>
<td>W-2</td>
<td>Follows I-15 north from Nichols Road to Concordia Ranch Road along the north side</td>
<td>Same as Proposed Route</td>
<td>Equal Impact</td>
<td>Same as Proposed Route</td>
</tr>
<tr>
<td>W-3</td>
<td>Crosses I-15 on existing 115 kV TSPs</td>
<td>Same as Proposed Route</td>
<td>Equal Impact</td>
<td>Same as Proposed Route</td>
</tr>
<tr>
<td>W-5</td>
<td>From the intersection of Hostetler Road and Desperado Drive, follows the south side of I-15 in a northwest direction to Temescal Canyon Road east of the Ivyglen Substation</td>
<td>Fewer existing poles would be replaced since this segment is not along an existing subtransmission or distribution line, and therefore there would be less impact on the receiving landfill and recycling facilities</td>
<td>Less Impact</td>
<td>Same as Proposed Route</td>
</tr>
</tbody>
</table>

4.17.8 REFERENCES
City of Lake Elsinore. 1990. *City of Lake Elsinore General Plan*.
City of Perris. 2006. *City of Perris General Plan*.
4.17 UTILITIES AND SERVICE SYSTEMS
