

1 **5.16 UTILITIES AND SERVICE SYSTEMS**

2 Public services and utilities such as electricity, water, sanitary/stormwater sewers, solid waste,
3 communications and natural gas are typically provided to development projects by a variety of
4 local purveyors (e.g., cities, counties, special districts, water agencies, and power companies). The
5 availability of such services depends on the level of development in a given area. Certain utilities
6 such as sanitary/stormwater, natural gas, and sewers are usually provided via underground
7 pipelines or conduits.

8 **5.16.1 San Francisco Bay Area Network**

9 **5.16.1.1 Availability of Utilities and Service Systems**

10 The project involves new conduit installation, conduit repair or replacement work, and the
11 construction of nine Point of Presence (POP) sites in the San Francisco Bay Area Network. New
12 conduit installation and repair or replacement work would occur within existing railroad and
13 public roadway rights-of-way in a region with a well-established utility infrastructure. Electricity,
14 which would be required to power the POPs, is provided to consumers in the Bay Area via Pacific
15 Gas and Electric Company’s (PG&E) distribution system.¹

16 **5.16.1.2 Utilities along the San Francisco Bay Area Network**

17 Railroad rights-of-way and city streets (public roadway rights-of-way) are commonly used as
18 utility corridors. Proposed conduit installation and repair or replacement work could occur within
19 railroad and public roadway rights-of-way that contain all or some combination of the following
20 underground utilities: water, sewer, storm drain, gas, electric, and other fiber optic lines.

21 **5.16.2 Los Angeles Basin Network**

22 **5.16.2.1 Availability of Utilities and Service Systems**

23 The project involves new conduit installation, minor conduit repair or replacement work, and
24 construction of 15 POP sites in the Los Angeles Basin Network. New conduit installation and
25 repair or replacement work would occur within existing public roadway rights-of-way in a region
26 with a well-established utility infrastructure. Electricity, which would be required to power the
27 POPs, is provided to consumers in the Los Angeles Basin via Southern California Edison’s
28 distribution system as well as by the Los Angeles Department of Water and Power and municipal
29 utilities in the cities of Burbank, Glendale, and Pasadena.

30 **5.16.2.2 Utilities along the Los Angeles Basin Area Network**

31 City streets (public roadway rights-of-way) are commonly used as utility corridors. Proposed
32 conduit installation and repair or replacement work could occur within public roadway rights-of-
33 way that contain all or some combination of the following underground utilities: water, sewer,
34 storm drain, gas, electric, and other fiber optic lines.

¹ Recent deregulation of the electric utility industry allows California consumers to purchase electricity from PG&E and other electricity suppliers. Electricity from all suppliers is delivered to consumers via PG&E’s distribution system.