

### **INTRODUCTION**

*This section evaluates the availability of electricity and natural gas supplies and distribution facilities to serve RiverPark Specific Plan Area. At present, Southern California Edison (SCE) and The Gas Company (TGC) are the respective suppliers of these energy resources to the City of Oxnard and the Specific Plan Area.*

### **ENVIRONMENTAL SETTING**

Natural gas and electricity are provided to all developed portions of the City of Oxnard, including the Specific Plan Area, by TGC and SCE, respectively.

#### **Electrical Service**

The basic elements of an electric power system include electric generating plants or stations, transmission lines, and high voltage or bulk power substations. These elements are described below.

#### ***Distribution***

Electricity is distributed by SCE through a network of generating stations, substations, and transmission lines. The electricity generated by SCE is typically transmitted for use via 66 kilovolt (kV) lines. The electricity is then passed through a substation from which it is distributed to individual customers via lower voltage lines.

The primary electrical transmission facility in the vicinity of the Specific Plan Area is the 66 kV Santa Clara-Gonzales line that runs above ground along Vineyard Avenue. There are two lower voltage electrical transmission facilities in the vicinity of the Specific Plan Area. One is a 16 kV Saticoy line which runs above ground along the Ventura Freeway. The 16 kV Buckaroo line runs above ground along the northeastern border of the Specific Plan Area parallel to Montgomery Avenue.<sup>1</sup>

#### **Power Generation and Demand**

**Table 4.11.4-1** provides a breakdown of in-state electrical energy generation by type, for the ten-year period from 1989 to 1999. As shown, electricity in California is generated from a variety of sources with

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<sup>1</sup> RiverPark Electric Master Plan. November 2001.