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***Impacts determined not to be significant are addressed in this EIR under **Section VII, Impacts Determined to be Insignificant**, and have been omitted from the Impact Section of this report.

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INTRODUCTION

This section of the Draft EIR discusses power resources within the project area. This section also analyzes the ability of the Los Angeles Department of Water and Power (DWP) to meet project demands.

POWER

Environmental Setting

Electrical service to the proposed project site would be provided by the DWP. Currently, electrical service to the project area is provided by a 34.5-kilovolt (kV) distribution system. Electrical power for this system originates from the DWP's Station K (RS-K), located at 1840 Centinela Avenue. This receiving station has a capacity of 375 Mega Volt Amperes (MVA). Currently, there are no known system deficiencies within the station's service area.[1] Electrical service to the project area is provided in accordance with DWP rules and regulations.

Energy Conservation

Energy consumption of new buildings in California is regulated by the State Building Energy Efficiency Standards, contained in Title 24 of the California Code of Regulations. The efficiency standards apply to new construction of both residential and non-residential buildings and regulate energy consumed for heating, cooling ventilation, water heating, and lighting. The building efficiency standards are enforced through the local building permit process. Local government agencies may adopt and enforce energy standards for new buildings, provided that these standards meet or exceed those provided in Title 24 of the State's Code of Regulations.

1 Charles C. Holloway, Supervisor of Environmental Assessment and EMF, City of Los Angeles Department of Water and Power, Correspondence with Impact Sciences Inc., January 8, 1998 and update May 29, 2002.

Environmental Impact Analysis

Threshold of Significance

According to the L.A. CEQA *Thresholds Guide*, the determination of significance for energy use shall be made on a case-by-case basis, considering the following factors:[2]

- The extent to which the project would require new (off-site) energy supply facilities and distribution infrastructure, or capacity enhancing alterations to existing facilities.
- Whether and when the needed infrastructure was anticipated by adopted plans.
- The degree to which the project design and/or operations incorporate energy conservation measures, particularly, those that go beyond City requirements.

For purposes of this EIR, the proposed project would result in a significant impact to the environment if any of the following situations occurred:

- The need for new power system; and/or
- Significant alterations to an existing system.

Project Impacts

Table IV.Q.1-1 indicates the projected annual electricity consumption from the proposed project. The calculations shown in the table are based on the assumption that all 29 homes are occupied and in operation. The estimated total electricity consumption from the proposed project is approximately 163,169 kwh per year.

Table IV.Q.1-1
Projected Electricity Consumption for the Proposed Project

Proposed Use	Size	Consumption Factor	Total Consumption
Residences	29	5,626.5 kwh/unit/year	163,169 kwh

Source: Los Angeles Department of Water and Power Website, www.ladwp.com

Generally, DWP power service systems are flexible, and can be readily altered to meet demand requirements. Electrical service to the project site would be provided in accordance with DWP rules and

2 L.A. CEQA *Thresholds Guide*, City of Los Angeles, Environmental Affairs Department, May 14, 1998, p. K.4-3.

regulations, and initial installation is not anticipated to disrupt supply to existing uses in the project area. However, new customer transformer facilities on the project site would be required by the DWP, the cost of which would be borne by the project applicant. Project design would be required to comply with sections of the State Building Energy Efficiency Standards, contained in Title 24 of the California Code of Regulations. Therefore, the proposed project would result in less than significant impacts on power consumption.

Cumulative Impacts

Construction of the proposed project along with other projects located in the general vicinity would increase the demand for electrical power. **Table IV.Q.1-2** provides an estimate of the increased demand.

Table IV.Q.1-2
Projected Electricity Consumption for Cumulative Projects

Proposed Use	Size	Consumption Factor	Total Consumption
Residences	476 du	5,626.5 kwh / unit / year	2,678,214 kwh / year
Office	48,000 sq.ft.	12.95 kwh / sq.ft. / year	621,600 kwh / year
Retail	47,499 sq.ft.	13.55 kwh / sq.ft. / year	643,611 kwh / year
Restaurant	26,544 sq.ft.	47.45 kwh / sq.ft. / year	1,259,512 kwh / year
TOTAL	NA	NA	5,202,938 kwh / year

Source: South Coast Air Quality Management District, CEQA Air Quality Handbook, *April 1993, Table A9-11-A, Electricity Usage Rates as well as the Los Angeles Department of Water and Power Website, www.ladwp.com*

As shown, related projects will cause an additional demand estimated at 5,202,938 kwh / year, which may create the need for additional improvements. According to DWP, the extent and cost of distribution improvements cannot be determined at this time.[3] However, the DWP is capable of providing the needed services from cumulative projects, and each project would be required to incorporate energy conservation features into its design. As such, impacts to the DWP for power services by the proposed project and the related project would not be cumulatively considerable and so are not considered by this EIR to be significant.

3 DWP letter to Los Angeles Department of City Planning, in response to NOP, dated April 25, 2000.

Mitigation Measures

Although impacts to electrical service are not considered significant, the following mitigation measure is recommended by this EIR to ensure that the project minimizes power resource impacts to the extent feasible.

1. Prior to issuance of each building permit, the project applicant shall submit plans to the City 's Building and Safety Department demonstrating that each of the project's buildings will comply with the State Energy Conservation Standards for New Residential Buildings (Title 24, part 6, Article 2, California Administrative Code).

Adverse Effects

No adverse impacts are anticipated as a result of the proposed project.