

6.18 CUMULATIVE IMPACTS

6.18.1 Introduction

The cumulative impacts assessment for the Canyon Power Plant (CPP) project is based on the California Environmental Quality Act (CEQA) (California Public Resources Code [PRC] Section 21083) and the CEQA Guidelines (CCR Section 15130) which require that the discussion of cumulative impacts be “guided by the standards of practicality and reasonableness” (PRC Section 21083 (b)); and, that “the discussion include a list of past, present, and reasonably anticipated future projects producing related or cumulative impacts” (CCR Section 15130 (b)(1)(A)). The CEQA guidelines require that cumulative impacts be discussed when they are significant, and that the discussions of cumulative impacts reflect the severity of the impacts and their likelihood of occurrence. However, the CEQA Guidelines state that the discussion need not provide the cumulative impacts discussion in as much detail as is provided for the project’s impacts.

Therefore, the purpose of this section of the Application for Certification (AFC) is to identify past, present, and reasonably foreseeable actions in the CPP project area that could affect the same resources as the CPP project, and provide the following analysis:

- Determine if the impacts of the CPP and the other actions would overlap in time or geographic extent
- Determine if the impacts of the proposed project would interact with, or intensify, the impacts of the other actions
- Identify any potentially significant cumulative impacts

The CPP will consist of a nominal 200-megawatt (MW) simple-cycle plant, using four natural gas-fired General Electric LM 6000PC Sprint gas turbines and associated infrastructure. The project will include the construction of a new gas-insulated 69-kilovolt (kV) switchyard located on the south side of the site adjacent to East Miraloma Avenue. The project incorporates three linear facilities outside of the facility footprint to tie into existing infrastructure. These linear facilities will be underground and include a new 3,275-foot-long, 12-inch natural gas line, a 2,185-foot recycled water line and two 69 kV power cables at 100 feet and 7,000 feet respectively.

The project consists of constructing the power generation facility and switchyard and construction of the project linears. Where potentially significant impacts have been identified, an assessment of cumulative impacts is provided in the respective resource section(s) of this AFC.

The CPP project will be located on approximately 10 acres in the City of Anaheim (COA), California. The proposed plant will be owned by the Southern California Public Power

Authority (SCPPA), and the COA will be the Project Manager and Operator once the plant is built. The CPP is bounded by East Miraloma Avenue on the south and adjacent properties to the north, east, and west sides of the site. Kraemer Boulevard is east of the site and La Jolla Street is located one block to the north. The proposed project is approximately one mile east of State Route (SR) 57 and approximately one mile north of SR 91. Site access will be off of East Miraloma Avenue.

Projects that will potentially contribute to cumulative impacts are those located in the same general geographic area of influence of the CPP project. For this cumulative assessment, the area of influence is defined as the area within a 5-mile radius of the CPP. Projects or proposed projects of potential regional significance are also considered in the cumulative analysis.

Information was gathered on projects that either: 1) are greater than 30,000 square feet; 2) have submitted a defined project application for required approvals or permits; or 3) have been previously approved and may be implemented in the near future. The following assessment focuses on the potential overlap of construction and operation impacts among various projects meeting the criteria described above.

Information concerning existing sites for this analysis was primarily obtained from a list requested from the COA. Marie Newland of the COA Planning Department compiled a list of major building projects within a 5-mile radius of the CPP project site since June 2006 to the present. This list is attached as Table 6.18-1 and a map indicating the location of this permit activity is attached as Figure 6.18-1.

There are several permits for large-scale projects within a 5-mile radius of the proposed project site. This site is located in an urban industrial area that is targeted by the COA for redevelopment. Approximately 80 percent of the 5-mile radius area surrounding the project site is located within the COA. The remaining approximately 20 percent of the 5-mile radius is located within the City of Placentia north of the project site. South of the project site and within the 5-mile radius is an approximately 9-acre site under the jurisdiction of unincorporated Orange County.

For the major development projects that met the criteria listed above, potential cumulative impacts were identified if the CPP project impacts would contribute to the impacts of reasonably anticipated future projects under construction at the same time. The magnitude of such cumulative impacts depends, in part, on the extent of construction overlap in time and geographic area. For the purposes of this cumulative impact assessment, it is anticipated that the construction phase for the CPP project will begin in the first quarter of 2009.

This assessment also considers potential cumulative impacts that could occur during the operational phase of the CPP project.

**TABLE 6.18-1
CUMULATIVE PROJECT LIST**

No.	Project Applicant	Project Description	Status/Timing	Location
1	Kaiser Permanente	Orange County Anaheim Medical Center Proposal to construct a 360 bed hospital, 18,000 square feet administrative offices, 339,000 square feet medical office, two parking structures and utility plant to be built in three phases. Site Size: 27 acres COA Action: CUP No. 2006-05146	EIR approved by City Council Resolution of November 5, 2007	3400 E. La Palma Avenue City of Anaheim, CA Parcel Nos. 34512117 and 34512125
2	TR La Palma Real Estate LLC	The Crossings Mixed-Use Project with 312 condos (including 31 live/work units). Site Size: 5 acres COA Action: CUP No. 2006-05109	Anticipated construction to begin in 2008	3530 East La Palma Avenue City of Anaheim, CA
3	Gutherie Development	Industrial Park – DRC Development Site Size: 7.04 acres COA Action: Tentative Parcel Map No. 2005-201	Construction completed in September 2007	1041 N. Shepard Street City of Anaheim, CA
	Boeing Realty	Boeing Redevelopment of Boeing site with new commercial and industrial buildings. COA Action: Pre-File No. 2007-00037	Under Review	Miraloma Avenue and Miller Street City of Anaheim, CA
	Outer Spring Volcano LP	Concourse Bowling Two electronic reader board signs, management office addition, and a telecommunications tower addition at an existing bowling facility. Concourse Bowling Site Size: 2.7 acres	Under Review	3364 East La Palma Ave., City of Anaheim, CA

**TABLE 6.18-1 (CONTINUED)
CUMULATIVE PROJECT LIST**

No.	Project Applicant	Project Description	Status/Timing	Location
		COA Action: Planning Commission partially approved the project on October 1, 2007. Appealed, goes back to City Council November 27, 2007		
	Orange County Water District (OCWD)	La Jolla Groundwater Basin Construct 5.7 acres La Jolla groundwater recharge basin and perimeter road. Site Size: 9.3 acres OCWD Action: District certified project on May 10, 2006	Project Certified by OCWD.	West La Jolla Street, City of Anaheim, CA
	Placentia- Yorba Linda Unified School District	Gualberto Valadez Middle School Construction anticipated commencing in Fall of 2008. EIR certified in November, 2006	Construction to commence in November, 2006.	West La Jolla Street City of Placentia, CA

6.18.2 Cumulative Impacts Analysis

Table 6.18-1 presents a list of potential projects considered in this cumulative impacts assessment.

6.18.2.1 Orange County Anaheim Medical Center

Potential cumulative impacts during construction and operation of the Orange County Anaheim Medical Center could result to traffic, noise, water resources, and air quality. Cumulative impacts to noise, water resources, air quality, and circulation are discussed in detail in Section 6.2, Air Quality; Section 6.5, Water Resources; Section 6.11, Traffic and Transportation; and Section 6.12, Noise. Based on these analyses, cumulative impacts were found to be less than significant.

6.18.2.2 TR La Palma Real Estate LLC

Potential cumulative impacts during construction and operation of the Crossings development could result to traffic, noise, water resources, and air quality. Cumulative impacts to air quality, water resources, traffic, and noise are discussed in detail in Section 6.2, Air Quality; Section 6.5, Water Resources; Section 6.11, Traffic and Transportation; and

Section 6.12, Noise. Based on these analyses, cumulative impacts were found to be less than significant.

6.18.2.3 Industrial Park – DRC Development

Potential cumulative impacts during construction and operation of the DRC Development could result to traffic, noise, water resources, and air quality. Cumulative impacts to air quality, water resources, traffic, and noise are discussed in detail in Section 6.2, Air Quality; Section 6.5, Water Resources; Section 6.11, Traffic and Transportation; and Section 6.12, Noise. Based on these analyses, cumulative impacts were found to be less than significant.

6.18.2.3 Boeing

Potential cumulative impacts during construction and operation of the Boeing site could result to traffic, noise, water resources, and air quality. Cumulative impacts to air quality, water resources, traffic, and noise are discussed in detail in Section 6.2, Air Quality; Section 6.5, Water Resources; Section 6.11, Traffic and Transportation; and Section 6.12, Noise. Based on these analyses, cumulative impacts were found to be less than significant.

6.18.2.3 Concourse Bowling

Potential cumulative impacts during construction of the Concourse Bowling site could result to circulation, noise, and air quality. Cumulative impacts to air quality, traffic, and noise are discussed in detail in Section 6.2, Air Quality; Section 6.11, Traffic and Transportation; and Section 6.12, Noise. Based on these analyses, cumulative impacts were found to be less than significant.

6.18.2.3 La Jolla Groundwater Basin

Potential cumulative impacts could result to circulation, noise, and air quality during construction of the La Jolla Groundwater Basin. Cumulative impacts to air quality, traffic, and noise are discussed in detail in Section 6.2, Air Quality; Section 6.11, Traffic and Transportation; and Section 6.12, Noise. Based on these analyses, cumulative impacts were found to be less than significant.

6.18.2.3 Gualberto Valadez Middle School

Potential cumulative impacts could result to circulation, noise, and air quality. Cumulative impacts to air quality, traffic, and noise are discussed in detail in Section 6.2, Air Quality; Section 6.11, Traffic and Transportation; and Section 6.12, Noise. Based on these analyses, cumulative impacts were found to be less than significant.

6.18.2.4 Other Proposed Power Plants

A cumulative analysis of other power plant projects in Los Angeles, Riverside, San Diego, and San Bernardino counties is provided in this section. These facilities include the Blythe Energy Project Phase II, which has been approved by the CEC but is currently on hold, as well as the following projects that are currently in review by the CEC: Walnut Creek Energy Park Power Plant, the El Segundo Power Redevelopment Projects, the Sun Valley Energy Power Plant, the Orange Grove Power Plant, the AES Highgrove Grand Terrace Power Plant, the City of Vernon Power Plant, the San Gabriel Generating Station, the MMC Chula Vista Expansion, and the Carlsbad Energy Center Power Plant.

The CPP expects to start construction in the first quarter of 2009 and end construction in the second quarter of 2010. Of the projects noted above, four have anticipated construction schedules that could partially overlap with that of the CPP: El Segundo, City of Vernon, San Gabriel, Chula Vista, and Carlsbad (Table 6.18-2). Given the timing of construction of the CPP and the large regional supply of construction workers within Los Angeles, Riverside, San Diego, and San Bernardino counties, there will not be a significant impact to trade labor or equipment during construction of the proposed plant.

**TABLE 6.18-2
CONSTRUCTION SCHEDULES FOR CUMULATIVE POWER
PROJECTS WITHIN LOS ANGELES, ORANGE, RIVERSIDE,
AND SAN BERNARDINO COUNTIES**

Project Name	Construction Begins ¹	Operation Begins
Blythe Energy Project Phase II	Unknown – project on hold	Unknown – project on hold
Walnut Creek Energy Park Power Plant	Fourth Quarter 2007	Third Quarter 2008
El Segundo Power Redevelopment Projects	First Quarter 2008	Second Quarter 2010
Sun Valley Energy Power Plant	First Quarter 2008	Fourth Quarter 2008
Orange Grove Power Plant	First Quarter 2008	Third Quarter 2008
AES Highgrove Grand Terrace Power Plant	Second Quarter 2008	Fourth Quarter 2008
City of Vernon Power Plant	Second Quarter 2008	Third Quarter 2009
San Gabriel Generating Station	Second Quarter 2008	Third Quarter 2010
MMC Chula Vista Expansion	Fourth Quarter 2008	Fourth Quarter 2009
Carlsbad Energy Center Power Plant	Fourth Quarter 2008	Third Quarter 2010

6.18.2.5 Conclusion

The CPP project and other projects identified in this section are not expected to result in significant cumulative impacts to air quality, cultural resources, land use, noise, water resources, or traffic and transportation during the construction period or during operation of

the facility. There are several projects that could include short periods of concurrent construction that would result in temporary cumulative impacts to circulation. However, these cumulative impacts are temporary and not expected to be significant. Thus, as mentioned above, the CPP project and other projects in the area are not expected to result in significant (or any) cumulative impacts to the environment.

6.18.3 Mitigation Measures

No new mitigation measures are proposed for the issue area of Cumulative Impacts.

6.18.4 Applicable Laws, Ordinances, Regulations, and Standards (LORS)

As shown in Table 6.18-3, no LORS apply to the issue area of Cumulative Impacts.

**TABLE 6.18-3
APPLICABLE LORS**

LORS	Applicability	Conformance
Federal	No Federal LORS apply	N/A
State	No State LORS apply	N/A
Local	No Local LORS apply	N/A

6.18.5 Agency Contacts

Table 6.18-4 lists agencies and agency contacts applicable to the issue of Cumulative Impacts.

**TABLE 6.18-4
AGENCY CONTACTS**

Agency	Contact	Title	Telephone
City of Anaheim, Planning Department	Marie Newland	Senior Planner	(714) 765-5139 ext. 5739

6.18.6 Applicable Permits

No permits are required for Cumulative Impacts.

6.18.7 References

No other references were used other than those listed in Table 6.18-4 as agency contacts. These personal communications occurred on October 10, November 5, and November 8, 2007.