

Traffic and Transportation

Traffic and Transportation: Appendix B(g)(5)(b)

Information Required:

According to the AFC (pg. 4.4-3), the project is located within 20,000 feet of Gillespie Field. The length of the runway is not provided. The air service discussion notes that project structures would be below the height threshold but the applicant will file the appropriate forms with the Federal Aviation Administration. Please discuss the project's compliance with the applicable sections of the current Federal Aviation Regulation Part 77 – Objects Affecting Navigable Airspace, specifically any potential to obstruct or impede air navigation generated by the project at operation; such as, a thermal plume, a visible water vapor plume, glare, electrical interference, or surface structure height. The discussion should include a map at a scale of 1:24,000 that displays the airport or airstrip runway configuration, the proposed power plant site and related facilities.

Response:

The length of the Gillespie Field runways are:

- North-South runway = 4,141 feet
- East-West runway = 5,343 feet

The project will comply with all applicable sections of the current Federal Aviation Regulation Part 77 – Objects Affecting Navigable Airspace. The project does not have a potential to obstruct or impede air navigation. Additionally, the project will not produce a thermal plume or visible water vapor plume. Glare will be minimized through appropriate design features, including but not limited to the use of non-glare paint and appropriate lighting (see Section 4.5.2.2 Project Visual Character and Visibility), to be developed in conjunction with the CEC and the City of San Diego. Electrical interference and surface structure height will comply with 14 CFR 77.13 et. seq. The Applicant will file Form 7460-1 with the Federal Aviation Administration at least 30 days prior to the date the proposed construction or alteration is to begin or the date an application for a construction permit is to be filed in accordance with 14 CFR 77.17.

Figure 4.4-3 displays the airport or airstrip runway configuration, the proposed power plant site, and related facilities.

Traffic and Transportation: Appendix B(g)(5)(C)(i)

Information Required:

Please provide design capacity for local roads.

Response:

Table 1 contains the design capacity for local roads.

Table 1. Quail Brush Existing Street Segment Design Capacities

Street Segment	Existing Design Capacity (LOS E) ¹
Mast Boulevard	
SR 52 to West Hills Parkway/Project Driveway	40,000
West Hills Parkway/Project Driveway to Fanita Parkway	40,000
Fanita Parkway to Carlton Hills Boulevard	40,000
West Hills Parkway	
North of Carlton Oaks Drive	40,000
South of Carlton Oaks Drive	40,000
Mast Boulevard to Mission Gorge Road	40,000
Mission Gorge Road	
East of W. Hills Parkway	57,000
West of W. Hills Parkway	50,000

Notes:

¹Capacities based on City of Santee or City of San Diego Roadway Capacity Tables