



City of Corona
Department of Water and Power
"Protecting Public Health"

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December 27, 2019

City of Corona
Community Development – Planning Division
400 S. Vicentia Avenue
Corona, CA 92882
951-736-2262

To Whom It May Concern:

The City of Corona Department of Water and Power (DWP) is proposing to construct a second telecommunication tower at the Grape Hill Telecommunication site located at APN 115-100-047, 740 John Circle. This second telecommunications tower will be a 90-foot self-supporting tower on an existing 1.53-acre city-owned site. The purpose of the new tower installation is to improve telecommunications for public safety and DWP in the area as well as to provide relief to the existing telecommunications tower that is near its load capacity. Below details the characteristics of the tower and surrounding area.

Proposed Land Use and Surrounding Uses

The existing and proposed land use of this parcel is for utility purposes. It is located in the Open Space (OS) District of the Northeast Corona Specific Plan (SP81-2). The north property for this site is also City owned, used for utility purposes, and has a potable water storage tank (Yuma Tank). The properties east, south and west of this site are residential.

Scope of Work

DWP is proposing to construct a second telecommunications tower on the Grape Hill Telecommunications Site in order to provide radio signal to City utility facilities that provide water and wastewater services to the community, as well as to improve the City's Public Safety Enterprise Communications system, also known as PSEC. The proposed project involves the construction and operation of a 60-foot tall lattice telecommunications facility that has the ability to be increased to a 90-foot tall structure if needed in the future. The tower will be located on an approximately 256-square foot concrete foundation pad. The tower will be constructed of American Society for Testing and Materials (ASTM) steel and will include an access climb ladder and waveguide ladder. Microwave dishes ranging from two to four feet in height will be constructed on the sides of the telecommunications tower.

EXHIBIT 3.G

December 27, 2019

Reason/Purpose for Proposed Project

The City of Corona Department of Water and Power (DWP) utilizes a Supervisory Control and Data Acquisition (SCADA) system for its water, wastewater, reclaimed water and electric operations. SCADA is a wireless communications system that enables the remote control and operation of various utility facilities throughout the City. The wireless network infrastructure used for SCADA is critical to DWP being able to provide safe and efficient utility services to the public by providing remote monitoring of these systems. DWP currently utilizes an existing tower at the Grape Hill Telecommunications site. However, that tower is currently loaded to capacity, and DWP requires additional communications equipment, thus necessitating the need for a new tower. Additionally, the Corona Police Department has identified gaps in their PSEC system in the McKinley area. Propagation studies done by the Police Department's PSEC consultants have indicated that adding an antenna to a tower located at the Grape Hill site will increase coverage in the area.

Feasibility for Co-location Opportunities

The City looked into co-location opportunities. There is currently an existing telecommunications tower at the Grape Hill site, however, that facility is currently at capacity and does not have room for additional equipment. There are no other existing locations within this area.

Applicant Representative

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Feel free to contact me should you have any questions at (951) 817-5880 or via email at Tracy.Martin@CoronaCA.gov.

Sincerely,



Tracy Martin
DWP Utilities Project Manager