

City of Anaheim  
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## **California Energy Commission Request for Transmission Related Data**

The City of Anaheim is a transmission dependant Load Serving Entity (LSE) located in Southern California with ownership-like entitlements in the Mead-Phoenix Project and the Mead-Adelanto Project provided through the Southern California Public Power Authority (SCPPA). Neither the Mead-Phoenix Project nor the Mead-Adelanto Project delivers electric power directly into Anaheim's distribution system. Both projects are operated and maintained by other utilities. In addition to those entitlements, Anaheim has several transmission service agreements with the Los Angeles Department of Water and Power, the City of Burbank, the City of Pasadena, and SCPPA. As a Participating Transmission Owner (PTO) under the California Independent System Operator (CAISO) tariff, Anaheim has turned over operational control of all of its transmission entitlements and agreements to the CAISO and does not provide operating or maintenance services for any of the transmission facilities in which it has an entitlement. As an LSE in the CAISO control area, the entirety of Anaheim's transmission requirements to serve its load are purchased from the CAISO under the CAISO tariff.

1. The Mead-Phoenix Transmission Project consists of a 256-mile, 500-kV alternating current ("AC") transmission line that extends between a southern terminus at the existing Westwing Substation (in the vicinity of Phoenix, Arizona) and a northern terminus at Marketplace Substation, a substation located approximately 17 miles southwest of Boulder City, Nevada. The line is looped through the 500-kV switchyard constructed in the existing Mead Substation in southern Nevada. By connecting to Marketplace Substation, the Mead-Phoenix Transmission Project interconnects with the Mead-Adelanto Transmission Project and with the existing McCullough Substation. Anaheim's bi-directional transfer capacity amounts are as follows:

Westwing to Mead 500-kV	47 MW
Marketplace to Mead 500-kV	155 MW
Mead 500-kV to Mead 230 kV	110 MW
Marketplace to McCullough	110 MW

2. The Mead-Adelanto Transmission Project consists of a 202-mile, 500-kV AC transmission line that extends between a southwest terminus at the existing Adelanto Substation in southern California and a northeast terminus at Marketplace Substation located approximately 17 miles southwest of Boulder City, Nevada. By connecting to Marketplace Substation, the Mead-Phoenix



7. Anaheim does not conduct any transmission planning studies and has not identified any corridor needs.