



City of Anaheim  
PUBLIC UTILITIES DEPARTMENT

**DOCKET**

**11-IEP-1E**

DATE Feb 28 2011

RECD. Mar 18 2011

**DATE: FEBRUARY 28, 2011**

**TO: CALIFORNIA ENERGY COMMISSION  
DOCKETS OFFICE  
ATTN: DOCKET 11-IEP-1E  
1516 NINTH STREET, MS-4  
SACRAMENTO, CA 95814--5512**

**FROM: MANDIP SAMRA, CITY OF ANAHEIM**

**SUBJECT: CALIFORNIA ENERGY COMMISSION REQUEST FOR  
TRANSMISSION RELATED DATA**

**Bulk Electric System Description and Needs**

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. As listed above, other utilities maintain transmission that the City of Anaheim has entitlement to. Any transmission expansion plans are the responsibility of those that operate the transmission line. Anaheim does not operate any transmission line and is not a transmission operator.
2. Existing facilities:
  - a. 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

- b. 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 Transmission Project and the Mead-Adelanto Transmission Project interconnects with the existing McCullough Substation in southern Nevada. Anaheim's bi-directional transfer capacity amounts are as follows:
    - i. Marketplace to Adelanto 118 MW
    - ii. Marketplace to McCullough 118 MW
  - c. The completed EOR 9300 Project in June 2008 is set to increase the transfer capability of the northern part of the Arizona to California East-of-the-River (EOR) system, which includes the Mead-Phoenix and Navajo-Crystal 500 kV lines. The EOR 9300 Project will increase Anaheim's share of the Marketplace to Mead 500-kV segment of the Mead-Phoenix project by 22.5 MW to 177.5 MW.
    - i. Anaheim's share of the EOR 9300 Project costs is estimated to be \$651,000 and operational control of the additional capacity will be turned over to the CAISO. In addition, Anaheim is aware that SCPPA is considering a possible upgrade to the +/- 500 kV DC line between Adelanto Switching Station and the Intermountain Power Project Switchyard in Utah.
  - d. Anaheim does not provide maintenance or construction services on any transmission facilities.
3. Anaheim is not aware of any planned upgrades to existing facilities that are expected to be placed in operation between January 2011 and December 2020.
  4. Anaheim does not conduct any transmission planning and does not provide maintenance or construction services on any transmission facilities.

5. Anaheim is not aware of any transmission upgrades that are expected to begin operating after December 2020.

### **Transmission Corridor Needs**

1. Anaheim does not have transfer capabilities for transmission lines or paths delivering electric power into that serve Anaheim's load. As stated previously, 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
  - a-k . Anaheim's Renewable Portfolio Standard (RPS) goal is to reach 10% renewable power by 2010 and 20% renewable power by 2015. Anaheim will also comply with the SB 23 and AB requirements, currently at 33% in 2020. However, Anaheim does not conduct any transmission planning studies and does not know what bulk transmission facilities will be needed to meet policy goals, such as renewable energy requirements, replacing aging power plants, etc.
2. Anaheim does not conduct any transmission planning studies and has not identified any corridor needs. As stated previously, 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
3. Anaheim does not conduct any transmission planning studies and has not identified any corridor needs. As stated previously, 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

If you have any questions, please contact Mandip Samra at 714-765-4989 or [msamra@anaheim.net](mailto:msamra@anaheim.net)

Respectfully submitted,



Mandip K. Samra  
Integrated Resources Planner