Southern California Edison
RTRP A.15-04-013

DATA REQUEST SET A.15-04-013 RTRP-CPUC Deficiency Report-SCE-003

To: CPUC
Prepared by: Kenneth Spear
Title: Project Manager
Dated: 10/22/2015

Question 01:

System models (GE-PSLF) acquired from CAISO Transmission Planning Process (2014-2015 TPP basecase for 2016 and 2024) indicate two separate loads at Vista 66 kV. One is labeled as "(M)" and the other as "(1)". In the 2024 model some of the load modeled at (M) is moved to Wilderness.

a. Confirm that (M) represents just the RPU load or explain what it represents.
b. Verify that load modeled in 2024 at Wilderness is all RPU load and not SCE.
c. Confirm the load under (1) is SCE (Le" not RPU) load served from Vista 66 kV.

Response to Question 01:

a. The load identifier “M” in the 2014-15 Transmission Planning Process (TPP) base case stands for “Municipality”. The load at Vista 66 kV with the identifier "M" does indeed represent the Riverside Public Utility (RPU) load.
b. Yes, the load modeled in 2024 at Wilderness Substation only represents RPU load.
c. Yes, the load modeled with an identifier of "1" in the 2014-15 TPP base case at the Vista Substation 66 kV bus is representative of the Southern California Edison Company (SCE) load (non-RPU load) served from Vista Substation 66 kV bus.

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Question 03:

Historical data from City of Riverside for 2010 through 2014 shows peak loads averaged roughly 590 MW, with an all-time system peak in 2007 of 604 MW. In the CAISO reliability model for 2016, the RPU load seems to be modeled at 708 MW. Explain the significant increase in load and what the drivers are.

Response to Question 03:

In brief, two different types of load information are being compared.

The historical load data (590 and 604 MW) is documented by the City of Riverside. In contrast, the data used in the 2016 CAISO reliability model (708 MW) utilizes data from the CAISO Transmission Planning Process (TPP), which modeled load in accordance with 1-10 peak year demand forecasts provided by the California Energy Commission (CEC).

The CEC forecast is published as part of its Integrated Energy Policy Report (IEPR). In the CEC forecast, a specific line item entitled "Riverside" provides an annual load value which is then used in the CAISO TPP models. When the base cases for the 2014-2015 TPP were being finalized, the most current CEC forecast was utilized (CEC Mid Demand Baseline forecast dated April 2014). In this forecast, the table titled Form 1.5d (1-10 peak demand) contains a value of 708 MW for Riverside in 2016.