SEIA DATA REQUEST
SEIA-SDG&E-DR-02
SDG&E SECOND AMENDED GRC Phase 2 APPLICATION – A.15-04-012
DATE RECEIVED: JULY 12, 2016

1. In this case, SDG&E has proposed a significant change to its TOU periods, including the summer on-peak period. SDG&E's current FERC-regulated transmission rates for several of its medium/large Commercial/Industrial classes (for example, A6-TOU and AL-TOU) include a summer on-peak TOU demand charge to recover a portion of SDG&E's transmission costs.

    a. Please explain how SDG&E would conform its FERC-regulated transmission rates to any change in its CPUC-regulated TOU periods that the CPUC may adopt in this case. In particular, how would SDG&E conform its FERC-regulated transmission rates if the CPUC were to change the seasons, the hours of the day, or the length (in hours) of the summer on-peak TOU period, such that the on-peak billing determinants for the SDG&E classes with on-peak transmission demand charges were no longer accurate?
    b. In particular, if the CPUC were to change the summer on-peak TOU period to 4 p.m. to 9 p.m., as SDG&E proposes, would SDG&E immediately bill A-6 and AL-TOU customers for transmission costs based on their maximum demand during the new summer on-peak period of 4 p.m. to 9 p.m., or would SDG&E bill such customers for their maximum usage during the old on-peak period of 11 a.m. to 6 p.m. that was in effect when the FERC approved the current SDG&E transmission rates until the FERC could approve a change in the TOU period hours in SDG&E's next FERC transmission case?
    c. When is the anticipated filing date for SDG&E's next planned FERC transmission rate case in which SDG&E could propose changes in the structure of SDG&E's FERC transmission rates?
    d. When would the rates from SDG&E's next planned FERC transmission rate case be likely to take effect, given SDG&E's recent experience with the typical length for such cases at the FERC?

2. This question follows up SDG&E's response to SEIA-SDG&E-DR-01, Question 20(c) and (d). Please provide the regression analysis performed by the Ventyx model using historical load, wind and solar data. In particular,

    a. Please provide the input load, wind, and solar data and specify the source and year(s) for this data. Please confirm that this data is from 2014, as indicated in the response to Question 20(d).
    b. Please provide the regression analysis itself as well as the output stochastic variables (correlation, short term mean reversion rate, and short term volatility rate).

c. Please provide examples of how this analysis was used to produce different annual profiles of load, wind, and solar, and provide at least 5 such profiles.

3. Has SDG&E updated the Circuit and Substation Study that SDG&E presented in its last GRC Phase 2 case (A. 11-10-002) as the basis for the effective demand factors (EDFs) that the utility uses for distribution revenue allocation? See A. 11-01-002, Revised Prepared Direct Testimony of Cynthia Fang, Chapter 2, Attachment 1. If so, please provide this updated study.