

San Diego Gas & Electric Company
Residential Default TOU RDW
Application 17-12-013
Phase 2B
Energy Division (Masoud Foudeh) Data Request dated August 24, 2018
SDG&E Response Dated: September 12, 2018

Chapter 3 of SDG&E’s 2018 Rate Design Window Prepared direct testimony of Benjamin A. Montoya on behalf of San Diego gas and Electric company, filed on December 20, 2017, page BAM-4 states:

“The maximum and minimum emissions rates are bounded by a range of heat rates for proxy natural gas plants.” These proxy values are 5,500 Btu/kwh for a high efficiency plant and 11,000 Btu/kwh for a low efficiency plant. Heat rates between 5,500-11,000 were left unadjusted. The purpose of bounding the range of heat rates is to avoid using values that are not representative of conventional generation technologies.”

Question 1:

For each of the three most recent years for which data is available, please provide the number of hours (out of a possible 8,760 hours) for which the implied marginal heat rate (before applying adjustments as described on p.BAM-4) fell in the following ranges:

- a. Less than or equal to zero
- b. Greater than zero but less than 5,500 Btu/kWh
- c. Greater than or equal to 5,500 Btu/kWh but less than 11,000 Btu/kWh
- d. Greater than or equal to 11,000 Btu/kWh

The total number of hours identified in a.-d. above should total to 8,760 for each year.

SDG&E response to Question 1:

HR Count	HR<=0	0<HR<5500	5500<=HR<11000	HR>=11000	Total
2015	16	190	6,282	2,272	8,760
2016	42	667	5,898	2,177	8,784
2017	204	1,364	5,269	1,923	8,760

Note: 2016 is a leap year. Therefore, the total number of hours of 8,784 includes the additional day.

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Question 2:

For each year and range included in the response to Q. 1, please provide that average value of the implied marginal heat rate (before applying adjustments as described on p. BAM4).

SDG&E Response to Question 2:

HR Average	HR<=0	0<HR<5500	5500<=HR<11000	HR>=11000	Total
2015	(213)	3,344	8,476	13,155	9,562
2016	(691)	3,579	8,202	13,962	9,236
2017	(757)	3,658	7,968	15,338	7,865