

ORA DATA REQUEST
ORA Data Request, ORA-SDGE- 010
A.17-12-013
(SDG&E 2018 Residential Rate Design Window)
Date Received: April 20, 2018
Date Submitted: May 3, 2018

SUBJECT: BILL IMPACTS

Question 1:

Please provide bill impacts on a monthly and seasonal basis for the SDG&E's proposed default TOU, opt-out TOU, and out-out tiered rates based on the following criteria. Also, please format the information in a table as follows:

- a. Base the bill comparisons on SDG&E's proposed tiered opt-out proposal.
- b. Provide information based on climate region, and CARE/Non-CARE.
- c. Rows should include "Annual," "Summer," "Winter" bill impacts, followed by the 12 months down the left-hand side of the table. There should be 15 row labels in total.
- d. Across the very top row of the table, create 6 column headers as follows:
 - i. 10% or greater bill decrease
 - ii. 5% to 10% bill decrease
 - iii. 0% to 5% bill decrease
 - iv. 0% to 5% bill increase
 - v. 5% to 10% bill increase
 - vi. 10% or greater bill increase

A template is illustrated below.

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	10%+ Decrease	5-10% Decrease	0-5% Decrease	0-5% Increase	5-10% Increase	10%+ Increase
Annual						
Summer						
Winter						
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						

For each table cell, enter the percentage of customers defined by the bill impact range. This table accounts for all customers. Therefore, each row should sum to 100%.

e. Please provide all supporting data in Microsoft Excel format.

SDG&E Response to Question 1:

Please see the attached document titled “ORA DR-010 Q1”.



ORA DR-010 Q1.xlsx

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Question 2:

Please provide revenue-neutral tiered rates for both CARE and Non-CARE rate schedules which are based on a fixed seasonal commodity differential of 6.715 cents.

SDG&E Response to Question 2:

Per conversations with ORA on April 23rd and April 24th, SDG&E created the following rates by setting the commodity differential at 6.715 cents/kWh and changing the current Summer Tier 2/ Winter Tier 2 differential to be based on 75% of 6.715 cents/kWh, or 5.036 cents/kWh. Please see the rate schedules presented below:

SCHEDULE DR (Non-CARE)		
Monthly Service Fee	\$/month	0.00
Summer Energy		
Baseline Energy	\$/kWh	0.26081
101% to 130% of Baseline	\$/kWh	0.26081
131% to 400% of Baseline	\$/kWh	0.45722
Above 400% of Baseline	\$/kWh	0.53272
Winter Energy		
Baseline Energy	\$/kWh	0.23209
101% to 130% of Baseline	\$/kWh	0.23209
131% to 400% of Baseline	\$/kWh	0.40686
Above 400% of Baseline	\$/kWh	0.47404
Minimum Bill	\$/Day	0.329

SCHEDULE DRLI (CARE)		
Monthly Service Fee	\$/month	0.00
Summer Energy		
Baseline Energy	\$/kWh	0.16127
101% to 130% of Baseline	\$/kWh	0.16127
131% to 400% of Baseline	\$/kWh	0.28736
Above 400% of Baseline	\$/kWh	0.33583
Winter Energy		
Baseline Energy	\$/kWh	0.14283
101% to 130% of Baseline	\$/kWh	0.14283
131% to 400% of Baseline	\$/kWh	0.25503
Above 400% of Baseline	\$/kWh	0.29816
Minimum Bill	\$/Day	0.164

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Question 3:

Please replicate the tables in response to question 1 using the rates determined in response to question 2 as the basis for the tiered opt-out rate.

SDG&E Response to Question 3:

Please see the attached document titled "ORA DR-010 Q3".



ORA DR-010 Q3.xlsx

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Question 4:

Please replicate the tables in response to question 3, using the following rates in lieu of the 3-period default and 2-period opt-out TOU rates proposed by SDG&E.

3-Period TOU	2-Period TOU
Minimum Bill	Minimum Bill
\$0.329/day	\$0.329/day
Summer Energy Rates (cents/kWh)	Summer Energy Rates (cents/kWh)
On-Peak: 44.93	On-Peak: 41.76
Off-Peak: 21.84	Off-Peak: 21.03
Super Off-Peak: 16.50	
Tier 2 Adjustment: 20.2	Tier 2 Adjustment: 20.2
Winter Energy Rates (cents/kWh)	Winter Energy Rates (cents/kWh)
On-Peak: 23.95	On-Peak: 23.95
Off-Peak: 22.79	Off-Peak: 22.22
Super Off-Peak: 21.49	
Tier 2 Adjustment: 17.1	Tier 2 Adjustment: 17.1

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SDG&E Response to Question 4:

Per conversations with ORA on April 23rd and April 24th, SDG&E created the following rates by setting the commodity differential at 6.715 cents/kWh and changing the current Summer Tier 2/ Winter Tier 2 differential to be based on 75% of 6.715 cents/kWh, or 5.036 cents/kWh. The following table presents an updated version of the table in the question based on the agreed upon design. For the bill impact results please see the attached document titled “ORA DR-010 Q4”.



ORA DR-010 Q4.xlsx

3-Period Default TOU	2-Period Opt-Out TOU
Minimum Bill	Minimum Bill
\$0.329/day	\$0.329/day
Summer Energy Rates (cents/kWh)	Summer Energy Rates (cents/kWh)
On-Peak: 44.244 Off-Peak: 21.153 Super Off-Peak: 15.816	On-Peak: 41.077 Off-Peak: 20.343
Tier 2 Adjustment: 19.641	Tier 2 Adjustment: 19.641
Winter Energy Rates (cents/kWh)	Winter Energy Rates (cents/kWh)
On-Peak: 24.471 Off-Peak: 23.304 Super Off-Peak: 22.009	On-Peak: 24.470 Off-Peak: 22.733
Tier 2 Adjustment: 17.477	Tier 2 Adjustment: 17.477

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Question 5:

Please provide the average impact on monthly bills over the course of a year assuming that all customers (excluding NEM customers) currently on schedule DR migrate over to EV-TOU-2. Please provide the data according to the format illustrated below.

Average Annual Monthly Bill Impact					
Scenario: All Schedule DR Customers Migrate to Schedule EV-TOU-2 (exclude NEM)					
Average Monthly Bill Impact	Number of Customers	Average Monthly DR bill	Average Monthly EV-TOU-2 Bill	Average Monthly \$ Impact	Average kWh Usage
<-30%					
-30% to -25%					
-25% to -20%					
-20% to -15%					
-15% to -10%					
-10% to -5%					
-5% to 0%					
0% to 5%					
5% to 10%					
10% to 15%					
15% to 20%					
20% to 25%					
25% to 30%					
>30%					
Total					

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SDG&E Response to Question 5:

Please see the attached document titled “ORA DR-010 Q5”.



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