

**UNITED STATES OF AMERICA  
BEFORE THE  
FEDERAL ENERGY REGULATORY COMMISSION**

**San Diego Gas & Electric Company**

**Docket No. ER20-        -000**

**ANNUAL UPDATE FILING OF THE  
TRANSMISSION REVENUE BALANCING  
ACCOUNT ADJUSTMENT  
(TRBAA)**

**December 5, 2019**



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December 5, 2019

The Hon. Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, D.C. 20426

**Re: San Diego Gas & Electric Company, 2020 Annual TRBAA Rate Revision,  
Docket No. ER20-\_\_\_\_-000**

Dear Ms. Bose:

Pursuant to Section 35.13 of the regulations of the Federal Energy Regulatory Commission (“FERC” or “Commission”),<sup>1</sup> San Diego Gas & Electric Company (“SDG&E”) submits for filing and acceptance an adjustment to the rate and revenue requirement under its Transmission Owner Tariff (“TO Tariff”), FERC Electric Tariff Volume No. 11. This adjustment, made in accordance with the terms of the TO Tariff, is the annual update to the Transmission Revenue Balancing Account Adjustment (“TRBAA”).<sup>2</sup>

This filing updates both: (1) the TRBAA rate for retail End-Use customers (“retail”); and (2) the TRBAA to be used by the California Independent System Operator Corporation (“CAISO”) in calculating CAISO’s Transmission Access Charge (“TAC”) (“CAISO wholesale”). The requested effective date for this adjustment is January 1, 2020.<sup>3</sup>

The documents submitted with this filing are detailed in Section VI at p. 4 below.

## **I. TRBAA RATE AND REVISION**

The TRBAA is the ratemaking mechanism designed to ensure that Transmission Revenue Credits flow through to transmission customers. Section 5.5 of the TO Tariff identifies the items

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<sup>1</sup> 18 C.F.R. §§ 35.13.

<sup>2</sup> Unless otherwise indicated, words with initial capitalization are used as defined in SDG&E’s TO Tariff or in the CAISO’s FERC tariff.

<sup>3</sup> SDG&E’s most recent annual TRBAA update filing was accepted by the Commission effective January 1, 2019, in Docket No. ER19-209-000, by delegation letter order dated December 27, 2018.

subject to the Transmission Revenue Balancing Account Adjustment and sets forth the procedure for revising the TRBAA rate annually. This annual revision is based on the recorded balance in:

- The TRBAA as of September 30 of the current year;
- A forecast of the Transmission Revenue Credit expected to be received in the following year; and
- Franchise Fees/Uncollectibles.

The derivation of the retail and CAISO wholesale TRBAA are shown in Statement BK-1 and Statement BK-2, respectively. The following provides a summary of the derivation of the TRBAA and the primary reason(s) for the change.

TRBAA Balance @ 9/30/2019	=	\$(3,754,665)
Revenue Credits Forecast	=	\$(15,411,037)
Franchise Fees & Uncollectibles	=	<u>\$(230,084)</u>
Total Retail TRBAA	=	\$(19,395,786)
Less: Uncollectible Adjustment	=	<u>\$(33,156)</u>
Total Wholesale TRBAA	=	<u>\$(19,362,630)</u>

The final 2020 retail and CAISO wholesale TRBAA is a revenue credit of approximately \$19.4 million. This is roughly \$12.1 million more than the 2019 retail and CAISO wholesale TRBAA of approximately \$7.3 million.<sup>4</sup> The difference is attributed primarily to the following:

- 1) In the 2019 TRBAA filing, the 09/30/18 balance was an under-collection of approximately \$3 million. As noted above, the 09/30/19 balance is an over-collection of about \$3.8 million, a difference of \$6.8 million. This difference is a result of the actual revenue credits received through September 2019 from the CAISO being more than the forecasted amount in the 2019 TRBAA rate filing.
- 2) Additionally, the 2020 net transmission revenue credit forecast is approximately \$5.2 million greater compared to the 2019 forecast, mainly because of an anticipated higher level of wheeling activities for 2020.

To pass through this credit, SDG&E is proposing a 2020 TRBAA rate of (\$0.00108) per kWh, compared to the current rate of (\$0.00039) per kWh.

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<sup>4</sup> As approved in Docket No. ER19-209-000. See n. 3, *supra*.

## **II. APPENDIX I REQUIRED PER CAISO TARIFF – SDG&E’S BTRR**

The CAISO uses SDG&E’s Base Transmission Revenue Requirement (“BTRR”) for the derivation of the CAISO TAC rate. The BTRR is divided into High Voltage (“HV”) and Low Voltage (“LV”) components. Accordingly, SDG&E has included in Attachment C, Appendix I, its BTRR as required by the CAISO tariff. SDG&E is not requesting that the Commission approve this appendix because the HV and LV BTRR components shown in this appendix will be approved by the Commission in a separate docket related to SDG&E’s TO Tariff. The HVTRR reflects the TO5, Cycle 2 BTRR that will go into effect in January 1, 2020,<sup>5</sup> and the TRBAA amounts in the instant filing.

## **III. EFFECTIVE DATE**

SDG&E respectfully request the Commission to assign the revised tariff section an effective date of January 1, 2020.

## **IV. OTHER MATTERS**

No expenses or costs included in the rates tendered herein have been alleged or judged in any administrative or judicial proceeding to be illegal, duplicative, or unnecessary costs that are demonstrably the product of discriminatory employment practices.

SDG&E believes that the information contained in this filing provides a sufficient basis upon which to accept this filing. SDG&E believes this filing conforms to any and all rules of general applicability and to any Commission order specifically applicable to SDG&E and has made copies of this letter and all enclosures available for public inspection in SDG&E’s principal office located in San Diego, California. SDG&E has mailed copies to those persons whose names appear on the enclosed service list.

SDG&E has conformed its tariff sections submitted herewith to the format required by Commission Order No. 714.

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<sup>5</sup> SDG&E submitted the TO5, Cycle 2 filing on December 2, 2019. “TO5” refers to SDG&E’s fifth Transmission Owner formula rate filed with the FERC. “Cycle 2” refers to the fact the formula rate contemplates annual filings, and that this represents the second such filing under the fifth formula rate.

## V. CORRESPONDENCE

SDG&E requests that all correspondence, pleadings and other communications concerning this filing be served upon the following individuals:

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## VI. LIST OF DOCUMENTS SUBMITTED

The documents submitted with this electronic filing are this transmittal letter, together with the following attachments:

- A. Revised TO Tariff sections conformed version
- B. Revised TO Tariff sections redline version
- C. Appendix I Per CAISO Tariff – SDG&E’s Transmission Revenue Requirements
- D. TRBAA Cost Statements and Related Work Papers

## VII. CONCLUSION

SDG&E respectfully requests that the Commission accepts and approves the rate and tariff changes tendered herewith, effective January 1, 2020.

Respectfully submitted,

/s/ Ross R. Fulton

Ross R. Fulton  
Attorney For  
SAN DIEGO GAS & ELECTRIC COMPANY

## CERTIFICATE OF SERVICE

I hereby certify that I have this day served an electronic copy of the foregoing document upon each person designated on the official service list compiled by the Secretary in Docket No. ER19-221-000. In addition, I certify that I have also caused the foregoing to be served hardcopies to the following:

Arocles Aguilar  
General Counsel  
California Public Utilities Commission  
505 Van Ness Avenue  
San Francisco, CA 94102

Anthony Ivancovich  
Deputy General Counsel  
California Independent System Operator Corporation  
250 Outcropping Way  
Folsom, CA 95630

Dated at San Diego, California, this 5th day of December, 2019.

/s/ Tamara Grabowski  
Tamara Grabowski  
8330 Century Park Court, CP32D  
San Diego, California 92123  
Phone: (858) 654-1827  
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San Diego Gas & Electric Company  
2020 TRBAA Filing

Attachment – A  
Appendix III  
Revised Transmission Owner (“T.O.”)  
Tariff Sheet Conformed Version

ER20-\_\_\_\_\_ - \_\_\_\_\_

**APPENDIX III**

**Access Charges for End-Use Customers**

**[SEE ATTACHED]**

**Retail  
Transmission Revenue Balancing Account Adjustment Rate  
(TRBAA)**

A Transmission Revenue Balancing Account Adjustment Rate equal to (\$0.00108) per kilowatt-hour shall be applied to all SDG&E End-User Customers bills.

**ISO Wholesale  
Transmission Revenue Balancing Account Adjustment  
TRBAA  
Service Year 2020**

A:	High Voltage TRBAA	\$ (19,022,459)
B.	Low Voltage TRBAA	<u>(340,171)</u>
C.	Total ISO Wholesale TRBAA	\$ <u>(19,362,630)</u>

**Transmission Access Charge Balancing Account Adjustment Rate  
(TACBAA)**

A Transmission Access Charge Balancing Account Adjustment Rate equal to (\$0.01427) per kilowatt-hour shall be billed to all SDG&E End-User Customers.



San Diego Gas & Electric Company  
2020 TRBAA Filing

Attachment – B  
Appendix III  
Revised Transmission Owner (“T.O.”)  
Tariff Sheet Redline Version

ER20-\_\_\_\_ - \_\_\_\_

**APPENDIX III**

**Access Charges for End-Use Customers**

**[SEE ATTACHED]**

**Retail  
Transmission Revenue Balancing Account Adjustment Rate  
(TRBAA)**

A Transmission Revenue Balancing Account Adjustment Rate equal to  
(\$0.00~~108039~~) per kilowatt-hour shall be applied to all SDG&E End-User  
Customers bills.

**ISO Wholesale  
Transmission Revenue Balancing Account Adjustment  
TRBAA  
Service Year 20~~2019~~**

A:	High Voltage TRBAA	\$ <del>(19,022,4596,553,821)</del>
B.	Low Voltage TRBAA	<del>(340,171775,548)</del>
C.	Total ISO Wholesale TRBAA:	\$ <del>(19,362,6307,329,369)</del>

**Transmission Access Charge Balancing Account Adjustment Rate  
(TACBAA)**

A Transmission Access Charge Balancing Account Adjustment Rate equal to  
(\$0.01427) per kilowatt-hour shall be billed to all SDG&E End-User Customers.

San Diego Gas & Electric Company  
2020 TRBAA Filing

Attachment – C  
Appendix I  
SDG&E’s Wholesale Transmission  
Revenue Requirements  
Per CAISO Tariffs

ER20- \_\_\_\_\_ - \_\_\_\_\_

**APPENDIX - I**  
**SDG&E's Transmission Revenue Requirement**  
**Annual TRBAA Rate Filing Per Docket No. ER20- \_\_\_\_\_-000**  
**Effective January 1, 2020 – December 31, 2020**

1. **Wholesale Customers:** For purposes of the CAISO's calculation of Transmission Access Charges:
  - a. The Wholesale Transmission Revenue Requirement shall be **\$832,526,772<sup>1</sup>**, which is equal to the Wholesale Base Transmission Revenue Requirement of **\$865,455,042** reduced by the Wholesale TRBAA of **\$19,362,630** and reduced by Standby Transmission Revenue of **\$13,565,640**.
  - b. The High Voltage Transmission Revenue Requirement shall be **\$504,820,290**.
  - c. The Low Voltage Transmission Revenue Requirement shall be **\$327,706,482**.
  - d. Gross Load consistent with the High Voltage Transmission Revenue Requirement shall be **18,589,407** megawatt hours.
2. **Effective Date:** The amounts in (1) shall be effective January 1, 2020, or until amended by the Participating TO or modified by FERC.

**NOTE (1):** Transmission Revenue Requirements consist of the following:

BTRR TO5-Cycle 2 Informational Filing Docket ER20-503-000	= <b>\$865,455,042</b>
TRBAA in the instant TRBAA Filing Docket ER20- _____-000	= <b>(19,362,630)</b>
Standby Revenues TO5-Cycle 2 Informational Filing ER20-503-000	= <b>(13,565,640)</b>
<b>TOTAL</b>	<b>= <u>\$832,526,772</u></b>

**San Diego Gas & Electric Company**  
**Annual TRBAA Rate Filing**  
**Cost Statements**  
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San Diego Gas & Electric Company  
2020 TRBAA Rate Filing

Attachment - D  
Transmission Revenue Balancing  
Account Adjustment (TRBAA)  
Cost Statements

ER20-\_\_\_\_-\_\_\_\_

# San Diego Gas & Electric Company

## Attachment – D (Cont'd)

### A. Statement BD - Allocation Energy and Supporting Data

ER20-\_\_\_\_\_-\_\_\_\_\_

**Statement BD**  
**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Allocation Energy and Supporting Data**

Line No.	Date	(A)	(B)	(C) = (A) - (B)	Reference	Line No.
		Retail Energy Sales @ Meter Level Plus Sale for Resale	Sale for Resale (City of Escondido) <sup>1</sup>	Retail Energy Sales @ Meter Level Net of Sale for Resale		
1	Oct-18	1,561,413,259	12,822	1,561,400,437	Workpaper No. 1; Page 1.1; Lines 30; 29	1
2	Nov-18	1,527,407,602	9,333	1,527,398,269	Workpaper No. 1; Page 1.1; Lines 30; 29	2
3	Dec-18	1,504,993,538	7,885	1,504,985,653	Workpaper No. 1; Page 1.1; Lines 30; 29	3
4	Jan-19	1,528,955,596	6,994	1,528,948,602	Workpaper No. 1; Page 1.1; Lines 30; 29	4
5	Feb-19	1,526,590,428	6,894	1,526,583,534	Workpaper No. 1; Page 1.1; Lines 30; 29	5
6	Mar-19	1,369,837,123	6,086	1,369,831,037	Workpaper No. 1; Page 1.1; Lines 30; 29	6
7	Apr-19	1,292,392,421	6,530	1,292,385,891	Workpaper No. 1; Page 1.1; Lines 30; 29	7
8	May-19	1,425,812,776	7,573	1,425,805,203	Workpaper No. 1; Page 1.1; Lines 30; 29	8
9	Jun-19	1,376,377,373	7,679	1,376,369,694	Workpaper No. 1; Page 1.1; Lines 30; 29	9
10	Jul-19	1,466,293,449	1,384	1,466,292,065	Workpaper No. 1; Page 1.1; Lines 30; 29	10
11	Aug-19	1,630,534,582	589	1,630,533,993	Workpaper No. 1; Page 1.1; Lines 30; 29	11
12	Sep-19	1,827,939,007	9,874	1,827,929,133	Workpaper No. 1; Page 1.1; Lines 30; 29	12
13						13
14						14
15	Total	18,038,547,154	83,643	18,038,463,511	Sum Lines 1 thru 12	15

<sup>1</sup> City of Escondido sales are excluded from the KWh total because they are classified as sales to wholesale customers.



**Statement BD**  
**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Allocation Energy and Supporting Data**

Line No.	Date	(A)	(B)	(C) = (A) - (B)	Reference	Line No.
		Retail Energy Sales @ Meter Level Plus Sale for Resale	Sale for Resale (City of Escondido) <sup>1</sup>	Retail Energy Sales @ Meter Level Net of Sale for Resale		
1	Jan-20	1,479,801,189	5,325	1,479,795,864	Workpaper No. 1; Page 1.2; Lines 30; 29	1
2	Feb-20	1,365,660,000	5,023	1,365,654,977	Workpaper No. 1; Page 1.2; Lines 30; 29	2
3	Mar-20	1,322,928,660	5,047	1,322,923,613	Workpaper No. 1; Page 1.2; Lines 30; 29	3
4	Apr-20	1,330,572,103	5,030	1,330,567,073	Workpaper No. 1; Page 1.2; Lines 30; 29	4
5	May-20	1,341,195,470	5,078	1,341,190,392	Workpaper No. 1; Page 1.2; Lines 30; 29	5
6	Jun-20	1,383,002,386	5,102	1,382,997,284	Workpaper No. 1; Page 1.2; Lines 30; 29	6
7	Jul-20	1,561,336,693	5,126	1,561,331,567	Workpaper No. 1; Page 1.2; Lines 30; 29	7
8	Aug-20	1,718,324,505	5,078	1,718,319,427	Workpaper No. 1; Page 1.2; Lines 30; 29	8
9	Sep-20	1,761,022,065	5,189	1,761,016,876	Workpaper No. 1; Page 1.2; Lines 30; 29	9
10	Oct-20	1,579,115,168	5,030	1,579,110,138	Workpaper No. 1; Page 1.2; Lines 30; 29	10
11	Nov-20	1,479,871,097	5,126	1,479,865,971	Workpaper No. 1; Page 1.2; Lines 30; 29	11
12	Dec-20	1,445,419,669	5,150	1,445,414,519	Workpaper No. 1; Page 1.2; Lines 30; 29	12
13						13
14						14
15	Total	17,768,249,005	61,304	17,768,187,701	Sum Lines 1 thru 12	15

<sup>1</sup> City of Escondido sales are excluded from the KWh total because they are classified as sales to wholesale customers not retail. Forecast sales are used to develop Statements BG and BH, Revenues at Proposed Rates and Revenues at Present Rates.

**Statement BD**  
**SAN DIEGO GAS & ELECTRIC COMPANY**  
**2020 - TRBAA Rate Filing**  
**January 2020 - December 2020**<sup>1</sup>  
**MWH SALES FORECAST @ Transmission Level**

Line No.	Months	(A) Total MWh Sales	(B) Sale for Resale (City of Escondido)	(C) = (A) - (B) Retail Energy Sales @ Meter Level	(D) = (C) x Line 19, Col. C Energy Sales @ Transmission Level	Reference	Line No.
1	Jan-20	1,479,801	5	1,479,796	1,540,763	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	1
2	Feb-20	1,365,660	5	1,365,655	1,421,920	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	2
3	Mar-20	1,322,929	5	1,322,924	1,377,428	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	3
4	Apr-20	1,330,572	5	1,330,567	1,385,386	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	4
5	May-20	1,341,195	5	1,341,190	1,396,447	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	5
6	Jun-20	1,383,002	5	1,382,997	1,439,977	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	6
7	Jul-20	1,561,337	5	1,561,332	1,625,658	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	7
8	Aug-20	1,718,325	5	1,718,319	1,789,114	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	8
9	Sep-20	1,761,022	5	1,761,017	1,833,571	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	9
10	Oct-20	1,579,115	5	1,579,110	1,644,169	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	10
11	Nov-20	1,479,871	5	1,479,866	1,540,836	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	11
12	Dec-20	1,445,420	5	1,445,415	1,504,966	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	12
13							13
14	Total	17,768,249	61	17,768,188	18,500,237	Sum Lines 1 thru 12	14
15							15
16	Retail Sales Forecast @ Meter Level			17,768,188		Col. C; Line 14	16
17							17
18	Transmission Loss Factor <sup>2</sup>	38,489,464	40,073,490	1.0412		Column B / Column A	18
19							19
20	Retail Sales Forecast @ Transmission Level				18,500,237	Col. D; Line 14	20
21							21
22	Lake Hodges Pumped Storage Facilities <sup>3</sup>				88,570	Statement BD WP; Page 4 of 5	22
23							23
24	Pumped Storage True Up Adjustment <sup>4</sup>				600	Statement BD WP; Page 5 of 5	24
25							25
26	Total Gross Load Forecast				18,589,407	Sum Lines 22 thru 26	26
27							27
28							28

<sup>1</sup> This information is used for CAISO TAC purposes as shown in Statement BL - Wholesale. The sales forecast excludes Sale for Resale.

<sup>2</sup> Per Cost Statement BB; Page 1; Line 22 of SDG&E's TO5-Cycle 2 Annual Informational Filing.

<sup>3</sup> The 1.0412 factor is used to convert the retail sales forecast at meter level up to the transmission level.

<sup>4</sup> Energy used for pumping at the Olivenhain-Lake Hodges Pumped Storage Facility is measured at 69kV and gets adjusted by a distribution loss factor to derive the Gross Load forecast.

<sup>5</sup> Represents the difference between actual and forecast load associated with the Olivenhain-Lake Hodges Pumped Storage Facility for the base year.

**Statement BD**  
**SAN DIEGO GAS AND ELECTRIC COMPANY**  
**Allocation Energy and Supporting Data**  
**Forecast Period January 2020 - December 2020**  
**MWH SALES FORECAST @ Transmission Level**

2020 (MWh)	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
<b>Olivenhain-Lake Hodges Pumping Load</b>	7,690	7,129	7,575	7,461	7,690	7,346	5,763	7,001	7,231	7,690	7,346	7,690	<b>87,612</b>

Primary Level Distribution Loss Factor 1.0109

Total Olivenhain-Lake Hodges Pumping Load **88,570**

**Statement BD**  
**SAN DIEGO GAS AND ELECTRIC COMPANY**  
**Allocation Energy and Supporting Data**  
**Lake Hodges Pumping Load Adjustment Mechanism**  
**For the 12-Month Base & True Up Period Ending December 31, 2018**

Line No.	Description	Amount	Reference	Line No.
1	Pumped Storage Facility - Actual Load	69,704	SDG&E Records	1
2	Pumped Storage Facility - Forecast Load	<u>69,110</u>	SDG&E Records	2
3	Difference	594	Line 1 Minus Line 2	3
4	Primary Level Distribution Loss Factor	<u>1.0109</u>	SDG&E Records	4
5	Pumped Storage - True Up Adjustment <sup>1</sup>	<b>600</b>	Line 3 x Line 4	5

<sup>1</sup> The pumped storage True-Up Adjustment reconciles the difference between the prior year's forecast and actual load data.

# San Diego Gas & Electric Company

## Attachment D – (Cont'd)

### B. Statement BG - Revenue Data to Reflect Changed Rates

ER20-\_\_\_\_\_-\_\_\_\_\_

**Statement BG**  
**SAN DIEGO GAS & ELECTRIC COMPANY**  
**Transmission Revenue Balancing Account Adjustment (TRBAA) Revenues Data to Reflect Changed Rates**  
**Comparison of Revenues**  
**Rate Effective Period - Twelve Months Ending December 31, 2020**

Line No.	Customer Classes	(A)	(B)	(C) = (A) - (B)	(D) = (C) / (B)	Reference	Line No.
		(Statement BG) 2020 TRBAA Revenues @ Changed Rates	(Statement BH) 2020 TRBAA Revenues @ Present Rates <sup>1</sup>	(\$ Change)	(%) Change		
1	Residential Customers	\$ (6,174,204)	\$ (2,229,574)	\$ (3,944,630)	176.92%	Statement BG; Page 2 of 4; Line 14	1
2						Statement BH; Page 1 of 3; Line 14	2
3	Small Commercial Customers	(2,350,444)	(848,771)	(1,501,672)	176.92%	Statement BG; Page 2 of 4; Line 16	3
4						Statement BH; Page 1 of 3; Line 16	4
5	Medium and Large Commercial/Industrial	(10,229,998)	(3,694,166)	(6,535,832)	176.92%	Statement BG; Page 2 of 4; Line 18	5
6						Statement BH; Page 1 of 3; Line 18	6
7	Agriculture (PA and TOU-PA)	(112,785)	(40,728)	(72,057)	176.92%	Statement BG; Page 2 of 4; Line 20	7
8						Statement BH; Page 1 of 3; Line 20	8
9	Agriculture (PA-T-1)	(229,548)	(82,892)	(146,656)	176.92%	Statement BG; Page 2 of 4; Line 22	9
10						Statement BH; Page 1 of 3; Line 22	10
11	Street Lighting Customers	(92,664)	(33,462)	(59,202)	176.92%	Statement BG; Page 2 of 4; Line 24	11
12						Statement BH; Page 1 of 3; Line 24	12
13							13
14	Grand Total	\$ (19,189,643)	\$ (6,929,593)	\$ (12,260,050)	176.92%	Sum Lines 1 through 11	14

<sup>1</sup> Present rates are defined as rates effective pursuant to ER 19-209.

Statement BG  
SAN DIEGO GAS & ELECTRIC COMPANY

Transmission Revenue Balancing Account Adjustment (TRBAA) Revenues Data to Reflect Changed Rates  
Rate Effective Period - Twelve Months Ending December 31, 2020

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.
		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20		
1	Residential <sup>1</sup>	\$ (596,860)	\$ (496,762)	\$ (462,658)	\$ (414,058)	\$ (407,569)	\$ (422,383)		1
2									2
3	Small Commercial <sup>2</sup>	(185,995)	(179,077)	(178,025)	(182,039)	(185,704)	(191,359)		3
4									4
5	Medium and Large Commercial/Industrial <sup>3</sup>	(785,600)	(768,871)	(758,332)	(807,039)	(818,808)	(841,390)		5
6									6
7	Agriculture (PA and TOU-PA) <sup>4</sup>	(6,593)	(6,918)	(6,053)	(8,088)	(9,272)	(10,315)		7
8									8
9	Agriculture (PA-T-1) <sup>5</sup>	(15,116)	(15,641)	(16,044)	(18,185)	(19,471)	(20,500)		9
10									10
11	Street Lighting <sup>6</sup>	(8,016)	(7,638)	(7,646)	(7,603)	(7,661)	(7,691)		11
12									12
13	TOTAL	\$ (1,598,180)	\$ (1,474,907)	\$ (1,428,758)	\$ (1,437,012)	\$ (1,448,486)	\$ (1,493,637)		13

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.
		Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20		
14	Residential <sup>1</sup>	\$ (523,992)	\$ (619,333)	\$ (648,174)	\$ (543,276)	\$ (490,508)	\$ (548,631)	\$ (6,174,204)	14
15									15
16	Small Commercial <sup>2</sup>	(210,000)	(226,384)	(226,447)	(208,559)	(194,450)	(182,405)	(2,350,444)	16
17									17
18	Medium and Large Commercial/Industrial <sup>3</sup>	(910,324)	(968,100)	(983,994)	(914,270)	(875,629)	(797,641)	(10,229,998)	18
19									19
20	Agriculture (PA and TOU-PA) <sup>4</sup>	(11,871)	(12,314)	(12,355)	(10,899)	(10,149)	(7,959)	(112,785)	20
21									21
22	Agriculture (PA-T-1) <sup>5</sup>	(22,329)	(21,979)	(23,102)	(20,818)	(19,751)	(16,611)	(229,548)	22
23									23
24	Street Lighting <sup>6</sup>	(7,723)	(7,674)	(7,826)	(7,617)	(7,768)	(7,801)	(92,664)	24
25									25
26	TOTAL	\$ (1,686,238)	\$ (1,855,785)	\$ (1,901,898)	\$ (1,705,439)	\$ (1,598,255)	\$ (1,561,048)	\$ (19,189,643)	26

<sup>1</sup> See Stmt BG pages 3 of 4 and 4 of 4, Line 23.

<sup>2</sup> See Stmt BG pages 3 of 4 and 4 of 4, Line 25.

<sup>3</sup> See Stmt BG pages 3 of 4 and 4 of 4, Line 27.

<sup>4</sup> See Stmt BG pages 3 of 4 and 4 of 4, Line 29.

<sup>5</sup> See Stmt BG pages 3 of 4 and 4 of 4, Line 31.

<sup>6</sup> See Stmt BG pages 3 of 4 and 4 of 4, Line 33.

**Statement BG**  
**SAN DIEGO GAS AND ELECTRIC COMPANY**  
**Transmission Revenue Balancing Account Adjustment (TRBAA) Revenues Data to Reflect Changed Rates**  
**Rate Effective Period - Twelve Months Ending December 31, 2020**

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G)
		Jan-20 Energy (kWh)	Feb-20 Energy (kWh)	Mar-20 Energy (kWh)	Apr-20 Energy (kWh)	May-20 Energy (kWh)	Jun-20 Energy (kWh)	Reference
1	Residential Customers	552,647,692	459,964,859	428,387,225	383,387,071	377,378,535	391,095,458	Worksheet No. 1; Page 1.2; Line 23
2								
3	Small Commercial	172,217,795	165,811,676	164,838,059	168,554,774	171,948,399	177,183,923	Worksheet No. 1; Page 1.2; Line 24
4								
5	Medium and Large Commercial/Industrial	727,407,593	711,917,545	702,158,824	747,258,303	758,155,802	779,064,639	Worksheet No. 1; Page 1.2; Line 25
6								
7	Agriculture (PA and TOU-PA)	6,104,669	6,405,578	5,604,514	7,488,596	8,584,857	9,551,016	Worksheet No. 1; Page 1.2; Line 26
8								
9	Agriculture (PA-T-1)	13,995,920	14,482,700	14,855,578	16,838,402	18,029,099	18,981,203	Worksheet No. 1; Page 1.2; Line 27
10								
11	Street Lighting	7,422,195	7,072,619	7,079,413	7,039,927	7,093,700	7,121,045	Worksheet No. 1; Page 1.2; Line 28
12								
13	TOTAL	1,479,795,864	1,365,654,977	1,322,923,613	1,330,567,073	1,341,190,392	1,382,997,284	Sum Lines 1 thru 11
14								
15		\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	
16								
17	Retail TRBAA Rate (\$/kWh) @ Changed Rate	\$ (0.00108)	\$ (0.00108)	\$ (0.00108)	\$ (0.00108)	\$ (0.00108)	\$ (0.00108)	Statement BL (Retail); Page 1; Line 27
18								
19								
20		Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	
21								
22	Residential Customers	\$ (596,860)	\$ (496,762)	\$ (462,658)	\$ (414,058)	\$ (407,569)	\$ (422,383)	Line 1 x Line 18
23								
24	Small Commercial	(185,995)	(179,077)	(178,025)	(182,039)	(185,704)	(191,359)	Line 3 x Line 18
25								
26	Medium and Large Commercial/Industrial	(785,600)	(768,871)	(758,332)	(807,059)	(818,808)	(841,390)	Line 5 x Line 18
27								
28	Agriculture (PA and TOU-PA)	(6,593)	(6,918)	(6,053)	(8,088)	(9,272)	(10,315)	Line 7 x Line 18
29								
30	Agriculture (PA-T-1)	(15,116)	(15,641)	(16,044)	(18,185)	(19,471)	(20,500)	Line 9 x Line 18
31								
32	Street Lighting	(8,016)	(7,638)	(7,646)	(7,603)	(7,661)	(7,691)	Line 11 x Line 18
33								
34	TOTAL	\$ (1,598,180)	\$ (1,474,907)	\$ (1,428,758)	\$ (1,437,012)	\$ (1,448,486)	\$ (1,493,637)	Sum Lines 23 through 33
35								



**Statement BG**  
**SAN DIEGO GAS AND ELECTRIC COMPANY**  
**Transmission Revenue Balancing Account Adjustment (TRBAA) Revenues Data to Reflect Changed Rates**  
**Rate Effective Period - Twelve Months Ending December 31, 2020**

Line No.	Customer Classes	(H) Jul-20 Energy (kWh)	(I) Aug-20 Energy (kWh)	(J) Sep-20 Energy (kWh)	(K) Oct-20 Energy (kWh)	(L) Nov-20 Energy (kWh)	(M) Dec-20 Energy (kWh)	(N) Total Energy (kWh)	(O) Reference
1	Residential Customers	485,177,377	573,456,724	600,160,895	503,033,323	454,174,386	507,991,586	5,716,855,131	Worksheet No. 1; Page 1.2; Line 23
2									
3	Small Commercial	194,444,249	209,615,190	209,673,363	193,109,909	180,046,053	168,893,522	2,176,336,912	Worksheet No. 1; Page 1.2; Line 24
4									
5	Medium and Large Commercial/Industrial	842,892,415	896,388,711	911,105,574	846,546,629	810,767,372	738,556,545	9,472,219,952	Worksheet No. 1; Page 1.2; Line 25
6									
7	Agriculture (PA and TOU-PA)	10,991,614	11,402,173	11,439,783	10,091,873	9,397,121	7,369,122	104,430,916	Worksheet No. 1; Page 1.2; Line 26
8									
9	Agriculture (PA-T-1)	20,675,050	20,350,882	21,390,790	19,276,028	18,288,347	15,380,364	212,544,363	Worksheet No. 1; Page 1.2; Line 27
10									
11	Street Lighting	7,150,862	7,105,747	7,246,471	7,052,376	7,192,692	7,223,380	85,800,427	Worksheet No. 1; Page 1.2; Line 28
12									
13	TOTAL	1,561,331,567	1,718,319,427	1,761,016,876	1,579,110,138	1,479,865,971	1,445,414,519	17,768,187,701	Sum Lines 1 thru 11
14									
15									
16									
17									
18	Retail TRBAA Rate (\$/kWh) @ Changed Rate	\$ (0.00108)	\$ (0.00108)	\$ (0.00108)	\$ (0.00108)	\$ (0.00108)	\$ (0.00108)		Statement BL (Retail); Page 1; Line 27
19									
20									
21									
22	Residential Customers	\$ (523,992)	\$ (619,333)	\$ (648,174)	\$ (543,276)	\$ (490,508)	\$ (548,631)	\$ (6,174,204)	Line 1 x Line 18
23									
24	Small Commercial	(210,000)	(226,384)	(226,447)	(208,559)	(194,450)	(182,405)	(2,350,444)	Line 3 x Line 18
25									
26	Medium and Large Commercial/Industrial	(910,324)	(968,100)	(983,994)	(914,270)	(875,629)	(797,641)	(10,229,998)	Line 5 x Line 18
27									
28	Agriculture (PA and TOU-PA)	(11,871)	(12,314)	(12,355)	(10,899)	(10,149)	(7,959)	(112,785)	Line 7 x Line 18
29									
30	Agriculture (PA-T-1)	(22,329)	(21,979)	(23,102)	(20,818)	(19,751)	(16,611)	(229,548)	Line 9 x Line 18
31									
32	Street Lighting	(7,723)	(7,674)	(7,826)	(7,617)	(7,768)	(7,801)	(92,664)	Line 11 x Line 18
33									
34	TOTAL	\$ (1,686,238)	\$ (1,855,785)	\$ (1,901,898)	\$ (1,705,439)	\$ (1,598,255)	\$ (1,561,048)	\$ (19,189,643)	Sum Lines 23 through 33
35									

# San Diego Gas & Electric Company

## Attachment – D (Cont'd)

### C. Statement BH - Revenue Data to Reflect Present Rates

ER20-\_\_\_\_\_-000

Statement BH  
**SAN DIEGO GAS & ELECTRIC COMPANY**  
 Transmission Revenue Balancing Account Adjustment (TRBAA) Revenue Data To Reflect Present Rates per ER19-209  
 Rate Effective Period - Twelve Months Ending December 31, 2020

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.
		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	(G)	
1	Residential <sup>1</sup>	\$ (215,533)	\$ (179,386)	\$ (167,071)	\$ (149,521)	\$ (147,178)	\$ (152,527)		1
2									2
3	Small Commercial <sup>2</sup>	(67,165)	(64,667)	(64,287)	(65,736)	(67,060)	(69,102)		3
4									4
5	Medium and Large Commercial/Industrial <sup>3</sup>	(283,689)	(277,648)	(273,842)	(291,431)	(295,681)	(303,835)		5
6									6
7	Agriculture (PA and TOU-PA) <sup>4</sup>	(2,381)	(2,498)	(2,186)	(2,921)	(3,348)	(3,725)		7
8									8
9	Agriculture (PA-T-1) <sup>5</sup>	(5,458)	(5,648)	(5,794)	(6,567)	(7,031)	(7,403)		9
10									10
11	Street Lighting <sup>6</sup>	(2,895)	(2,758)	(2,761)	(2,746)	(2,767)	(2,777)		11
12									12
13	TOTAL	\$ (577,120)	\$ (532,605)	\$ (515,940)	\$ (518,921)	\$ (523,064)	\$ (539,369)		13

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.
		Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	(G)	
14	Residential <sup>1</sup>	\$ (189,219)	\$ (223,648)	\$ (234,063)	\$ (196,183)	\$ (177,128)	\$ (198,117)	\$ (2,229,574)	14
15									15
16	Small Commercial <sup>2</sup>	(75,833)	(81,750)	(81,773)	(75,313)	(70,218)	(65,868)	(848,771)	16
17									17
18	Medium and Large Commercial/Industrial <sup>3</sup>	(328,728)	(349,592)	(355,331)	(330,153)	(316,199)	(288,037)	(3,694,166)	18
19									19
20	Agriculture (PA and TOU-PA) <sup>4</sup>	(4,287)	(4,447)	(4,462)	(3,936)	(3,665)	(2,874)	(40,728)	20
21									21
22	Agriculture (PA-T-1) <sup>5</sup>	(8,063)	(7,937)	(8,342)	(7,518)	(7,132)	(5,998)	(82,892)	22
23									23
24	Street Lighting <sup>6</sup>	(2,789)	(2,771)	(2,826)	(2,750)	(2,805)	(2,817)	(33,462)	24
25									25
26	TOTAL	\$ (608,919)	\$ (670,145)	\$ (686,797)	\$ (615,853)	\$ (577,148)	\$ (563,712)	\$ (6,929,593)	26

<sup>1</sup> See Stmt BH pages 2 of 3 and 3 of 3, Line 23.  
<sup>2</sup> See Stmt BH pages 2 of 3 and 3 of 3, Line 25.  
<sup>3</sup> See Stmt BH pages 2 of 3 and 3 of 3, Line 27.

<sup>4</sup> See Stmt BH pages 2 of 3 and 3 of 3, Line 29.  
<sup>5</sup> See Stmt BH pages 2 of 3 and 3 of 3, Line 31.  
<sup>6</sup> See Stmt BH pages 2 of 3 and 3 of 3, Line 33.

**Statement BH**  
**SAN DIEGO GAS AND ELECTRIC COMPANY**  
**Transmission Revenue Balancing Account Adjustment (TRBAA) Revenue Data To Reflect Present Rates per ER19-209**  
**Rate Effective Period - Twelve Months Ending December 31, 2020**

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	Reference	Line No.
		Jan-20 Energy (kWh)	Feb-20 Energy (kWh)	Mar-20 Energy (kWh)	Apr-20 Energy (kWh)	May-20 Energy (kWh)	Jun-20 Energy (kWh)		
1	Residential Customers	552,647,692	459,964,859	428,387,225	383,387,071	377,378,535	391,095,458	Worksheet No. 1; Page 1.2; Line 23	1
2									2
3	Small Commercial	172,217,795	165,811,676	164,838,059	168,554,774	171,948,399	177,183,923	Worksheet No. 1; Page 1.2; Line 24	3
4									4
5	Medium and Large Commercial/Industrial	727,407,593	711,917,545	702,158,824	747,258,303	758,155,802	779,064,639	Worksheet No. 1; Page 1.2; Line 25	5
6									6
7	Agriculture (PA and TOU-PA)	6,104,669	6,405,578	5,604,514	7,488,596	8,584,857	9,551,016	Worksheet No. 1; Page 1.2; Line 26	7
8									8
9	Agriculture (PA-T-1)	13,995,920	14,482,700	14,855,578	16,838,402	18,029,099	18,981,203	Worksheet No. 1; Page 1.2; Line 27	9
10									10
11	Street Lighting	7,422,195	7,072,619	7,079,413	7,039,927	7,093,700	7,121,045	Worksheet No. 1; Page 1.2; Line 28	11
12									12
13	TOTAL	1,479,795,864	1,365,654,977	1,322,923,613	1,330,567,073	1,341,190,392	1,382,997,284	Sum Lines 1 thru 11	13
14									14
15									15
16									16
17	Retail TRBAA Rate (\$/kWh) @ Present Rate	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	Statement BL (Retail); Page 1; Line 27 FERC Docket No. ER19-209-000	17
18									18
19									19
20									20
21									21
22	Residential Customers	\$ (215,533)	\$ (179,386)	\$ (167,071)	\$ (149,521)	\$ (147,178)	\$ (152,527)	Line 1 x Line 18	22
23									23
24	Small Commercial	(67,165)	(64,667)	(64,287)	(65,736)	(67,060)	(69,102)	Line 3 x Line 18	24
25									25
26	Medium and Large Commercial/Industrial	(283,689)	(277,648)	(273,842)	(291,431)	(295,681)	(303,835)	Line 5 x Line 18	26
27									27
28	Agriculture (PA and TOU-PA)	(2,381)	(2,498)	(2,186)	(2,921)	(3,348)	(3,725)	Line 7 x Line 18	28
29									29
30	Agriculture (PA-T-1)	(5,458)	(5,648)	(5,794)	(6,567)	(7,031)	(7,403)	Line 9 x Line 18	30
31									31
32	Street Lighting	(2,895)	(2,758)	(2,761)	(2,746)	(2,767)	(2,777)	Line 11 x Line 18	32
33									33
34	TOTAL	\$ (577,120)	\$ (532,605)	\$ (515,940)	\$ (518,921)	\$ (523,064)	\$ (539,369)	Sum Lines 23 through 33	34
35									35

**Statement BH**  
**SAN DIEGO GAS AND ELECTRIC COMPANY**  
**Transmission Revenue Balancing Account Adjustment (TRBAA) Revenue Data To Reflect Present Rates per ER19-209**  
**Rate Effective Period - Twelve Months Ending December 31, 2020**

Line No.	Customer Classes	(M)												Line No.	
		(G)	(H)	(I)	(J)	(K)	(L)	(M)	(M)	(M)	(M)	(M)	(M)		Reference
		Jul-20 Energy (kWh)	Aug-20 Energy (kWh)	Sep-20 Energy (kWh)	Oct-20 Energy (kWh)	Nov-20 Energy (kWh)	Dec-20 Energy (kWh)	Total Energy (kWh)							
1	Residential Customers	485,177,377	573,456,724	600,160,895	503,033,323	454,174,386	507,991,586	5,716,855,131						Worksheet No. 1; Page 1.2; Line 23	
2															
3	Small Commercial	194,444,249	209,615,190	209,673,363	193,109,909	180,046,053	168,893,522	2,176,336,912						Worksheet No. 1; Page 1.2; Line 24	
4															
5	Medium and Large Commercial/Industrial	842,892,415	896,388,711	911,105,574	846,546,629	810,767,372	738,556,545	9,472,219,952						Worksheet No. 1; Page 1.2; Line 25	
6															
7	Agriculture (PA and TOU-PA)	10,991,614	11,402,173	11,439,783	10,091,873	9,397,121	7,369,122	104,430,916						Worksheet No. 1; Page 1.2; Line 26	
8															
9	Agriculture (PA-T-1)	20,675,050	20,350,882	21,390,790	19,276,028	18,288,347	15,380,364	212,544,363						Worksheet No. 1; Page 1.2; Line 27	
10															
11	Street Lighting	7,150,862	7,105,747	7,246,471	7,052,376	7,192,692	7,223,380	85,800,427						Worksheet No. 1; Page 1.2; Line 28	
12															
13	TOTAL	1,561,331,567	1,718,319,427	1,761,016,876	1,579,110,138	1,479,865,971	1,445,414,519	17,768,187,701						Sum Lines 1 thru 11	
14															
15															
16															
17															
18	Retail TRBAA Rate (\$/kWh) @ Present Rate	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)							Statement BL (Retail); Page 1; Line 27	
19														FERC Docket No. ER19-209-000	
20															
21															
22	Residential Customers	\$ (189,219)	\$ (223,648)	\$ (234,063)	\$ (196,183)	\$ (177,128)	\$ (198,117)	\$ (2,229,574)						Line 1 x Line 18	
23															
24	Small Commercial	(75,833)	(81,750)	(81,773)	(75,313)	(70,218)	(65,868)	(848,771)						Line 3 x Line 18	
25															
26	Medium and Large Commercial/Industrial	(328,728)	(349,592)	(355,331)	(330,153)	(316,199)	(288,037)	(3,694,166)						Line 5 x Line 18	
27															
28	Agriculture (PA and TOU-PA)	(4,287)	(4,447)	(4,462)	(3,936)	(3,665)	(2,874)	(40,728)						Line 7 x Line 18	
29															
30	Agriculture (PA-T-1)	(8,063)	(7,937)	(8,342)	(7,518)	(7,132)	(5,998)	(82,892)						Line 9 x Line 18	
31															
32	Street Lighting	(2,789)	(2,771)	(2,826)	(2,750)	(2,805)	(2,817)	(33,462)						Line 11 x Line 18	
33															
34	TOTAL	\$ (608,919)	\$ (670,145)	\$ (686,797)	\$ (615,853)	\$ (577,148)	\$ (563,712)	\$ (6,929,593)						Sum Lines 23 through 33	
35															

# San Diego Gas & Electric Company

## Attachment – D (Cont'd)

### D. Statement BK1 - Derivation of Retail Transmission Revenue Balancing Account Adjustment (TRBAA)

ER20-\_\_\_\_\_-000

**Statement BK-1**  
**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Total Retail TRBAA Forecast - Including Franchise Fees & Uncollectible Expense**

Line No.	Components	Total Retail - TRBAA	Reference	Line No.
1	Beginning TRBAA Balance @ 9/30/2019	\$ (3,754,665)	Work paper No. 4; Page 4.4; Line 32	1
2				2
3	<u>Transmission Revenue Credits Forecast:</u>			3
4				4
5	Wheeling Revenues	(12,749,675)	Work paper No. 7; Page 7.1; Line 27	5
6				6
7	Settlements, Metering and Client Relations	12,000	Work paper No. 8; Page 8.1; Line 27	7
8				8
9	Existing Transmission Contract (ETC) Cost Differentials	(737,979)	Work paper No. 9; Page 9.1; Line 27	9
10				10
11	Other PTO Related Revenue (Credits)/Charges	(1,935,383)	Work paper No. 11; Page 11.1; Line 27	11
12				12
13	Total Transmission Revenue Credits Forecast	\$ (15,411,037)	Sum {Line 5 thru Line 11}	13
14				14
15	Total TRBAA Before Franchise Fees and Uncollectibles	\$ (19,165,702)	Line 1 + Line 13	15
16				16
17	Franchise Fees Expense @ 1.0275%	(196,928)	Line 15 x 1.0275%	17
18				18
19	Uncollectibles @ 0.1730 %	(33,156)	Line 15 x 0.1730%	19
20				20
21	Total Franchise Fees and Uncollectible	(230,084)	Line 17 + Line 19	21
22				22
23	Total Retail TRBAA Forecast Including FF&U	\$ (19,395,786)	Line 15 + Line 21	23

# San Diego Gas & Electric Company

## Attachment – D (Cont'd)

### E. Statement BK2 - Derivation of ISO- Wholesale Transmission Revenue Balancing Account Adjustment (TRBAA)

ER20-\_\_\_\_\_-000



**Statement BK-2**  
**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Wholesale Customers - HVTRR & LVTRR Calculation**

Line No.	Components	(A)		(B)		(C) = (A) + (B)		Reference	Line No.
		Total HIGH VOLTAGE Transmission Revenue Requirements	Total LOW VOLTAGE Transmission Revenue Requirements	Total HIGH VOLTAGE Transmission Revenue Requirements	Total LOW VOLTAGE Transmission Revenue Requirements	Total HIGH VOLTAGE Transmission Revenue Requirements	Total LOW VOLTAGE Transmission Revenue Requirements		
1	Wholesale Base Transmission Revenue Requirement <sup>1</sup>	\$ 532,184,515	\$ 333,270,527	\$ 865,455,042		See Note 1	1		
2							2		
3	Beginning TRBAA Balance @ 9/30/2019	(3,688,701)	(65,964)	(3,754,665)		Work paper No. 2 Page 2.1; Line 15	3		
4							4		
5	<u>Transmission Revenue Credits Forecast:</u>						5		
6							6		
7	Wheeling Revenues	(12,749,675)	-	(12,749,675)		Work paper No. 6; Page 6.1; Line 19	7		
8							8		
9	Settlements, Metering and Client Relations	7,419	4,581	12,000		Work paper No. 6; Page 6.1; Line 26	9		
10							10		
11	ETC Cost Differentials	(456,279)	(281,700)	(737,979)		Work paper No. 6; Page 6.1; Line 32	11		
12							12		
13	Other PTO Related Revenue (Credits)/Charges	(1,941,755)	6,372	(1,935,383)		Work paper No. 6; Page 6.1; Line 42	13		
14							14		
15	Total Transmission Revenue Credits Forecast	(15,140,290)	(270,747)	(15,411,037)		Sum {Line 7 through Line 13}	15		
16							16		
17	Total Wholesale TRBAA Before Franchise Fees	(18,828,991)	(336,711)	(19,165,702)		Line 3 + Line 15	17		
18							18		
19	Franchise Fees Expense @ 1.0275%	(193,468)	(3,460)	(196,928)		Line 17 x 1.0275%	19		
20							20		
21	Total Wholesale TRBAA Forecast Including Franchise Fees	(19,022,459)	(340,171)	(19,362,630)		Line 17 + Line 19	21		
22							22		
23	Transmission Standby Revenues <sup>2</sup>	(8,341,766)	(5,223,874)	(13,565,640)		Work paper No. 3; Page 3.1; Line 7	23		
24							24		
25	Wholesale Transmission Revenue Requirement	\$ 504,820,290	\$ 327,706,482	\$ 832,526,772		Line 1 + Line 21 + Line 23	25		

<sup>1</sup> Wholesale Base TRR information comes from Cost Statement BK-2 of SDG&E's TO5 Cycle 2 Annual Informational Filing.

<sup>2</sup> Standby Revenue amount of \$13,565,640, from Cost Statement BG; Page 1; Column A; Line 24, of SDG&E's TO5 Cycle 2 Annual Informational Filing.

# San Diego Gas & Electric Company

## Attachment – D (Cont'd)

### F. Statement – BL Retail TRBAA Rate Calculation

ER20-\_\_\_\_\_-000

**Statement BL**  
**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Retail TRBAA Rate Calculation**

Line No.	Components	Total Retail - TRBAA	Reference	Line No.
1	Beginning TRBAA Balance @ 9/30/2019	\$ (3,754,665)	Work paper No. 4; Page 4.4; Line 32	1
2				2
3	<u>Transmission Revenue Credits Forecast:</u>			3
4				4
5	Wheeling Revenues	(12,749,675)	Work paper No. 7; Page 7.1; Line 27	5
6				6
7	Settlements, Metering and Client Relations	12,000	Work paper No. 8; Page 8.1; Line 27	7
8				8
9	ETC Cost Differentials	(737,979)	Work paper No. 9; Page 9.1; Line 27	9
10				10
11	Other PTO Related Revenue (Credits)/Charges	(1,935,383)	Work paper No. 11; Page 11.1; Line 27	11
12				12
13	Total Transmission Revenue Credits Forecast	(15,411,037)	Sum {Line 5 through Line 11}	13
14				14
15	Total TRBAA Before Franchise Fees and Uncollectibles	\$ (19,165,702)	Line 1 + Line 13	15
16				16
17	Franchise Fees Expense @ 1.0275%	(196,928)	Line 15 x 1.0275%	17
18				18
19	Uncollectibles @ 0.1730 %	(33,156)	Line 15 x 0.1730%	19
20				20
21	Total Franchise Fees and Uncollectible	(230,084)	Line 17 + Line 19	21
22				22
23	Total Retail TRBAA Forecast Including FF&U	\$ (19,395,786)	Line 15 + Line 21	23
24				24
25	12 Months kWh Ending September 30, 2019	18,038,463,511	Statement BD; Pg. 1 of 5; Col. C; Ln. 15	25
26				26
27	Retail TRBAA Rate (\$/kWh)	\$ (0.00108)	Line 23 / Line 25	27

# San Diego Gas & Electric Company

## Attachment – D (Cont'd)

### G. Statement – BL Wholesale TRBAA Rate Calculation

ER20-\_\_\_\_\_-000

**Statement BL**  
**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**2020 - Wholesale Customers Utility Specific Access Charge Rate Calculations**  
**High Voltage & Low Voltage Component**

Line No.	Components	(A)	(B)	(C) = (A) + (B)		Notes & Reference	Line No.
		Total High Voltage TRR	Total Low Voltage TRR	High Voltage TRR	Combined TRR		
1	Wholesale Base Transmission Revenue Requirement <sup>1</sup>	\$ 532,184,515	\$ 333,270,527	\$	865,455,042	See Note 1	1
2							2
3	Total Wholesale TRBAA <sup>2</sup>	(19,022,459)	(340,171)		(19,362,630)	Statement BK-2; Page 1; Line 21	3
4							4
5	Transmission Standby Revenue <sup>3</sup>	(8,341,766)	(5,223,874)		(13,565,640)	See Note 3	5
6							6
7	Wholesale Transmission Revenue Requirements	\$ 504,820,290	\$ 327,706,482	\$	832,526,772	Sum ( Lines 1, 3, & 5 )	7
8							8
9	Gross Load - MWh	18,589,407	18,589,407		18,589,407	Statement BD; Page 3 of 5; Line 28; Col. D	9
10							10
11	Utility Specific Access Charges (\$/MWh)	\$ 27.1563	\$ 17.6287	\$	44.7850	Line 7 / Line 9	11

**NOTES:**

- <sup>1</sup> Wholesale Base TRR information comes from Cost Statement BK-2 of SDG&E's TO5 Cycle 2 Annual Informational Filing
- <sup>2</sup> The Wholesale TRBAA amount comes from the instant filing, in Statement BK-2; Page 1; Line 21
- <sup>3</sup> Standby Revenue amount of \$13,565,640, from Cost Statement BG; Page 1; Column A; Line 24, of SDG&E's TO5 Cycle 2 Annual Informational Filing

# San Diego Gas & Electric Company

Attachment – D (Cont'd)

H. TRBAA Work Papers

ER20-\_\_\_\_\_-000

Work Paper - 1  
Recorded Sales and Forecast Sales  
Information





**San Diego Gas & Electric Co.  
Forecast Billing Determinants for the 12-Month Period: January 2020 - December 2020**

Line No.	System Class Deliveries (MWh)	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total
1	<b>System Delivery Determinants</b>													
2	Customer Class Deliveries (MWh)													
3	Residential	552,648	459,965	428,387	383,387	377,379	391,095	485,177	573,457	600,161	503,033	454,174	507,992	5,716,855
4	Small Commercial	172,218	165,812	164,838	168,555	171,948	177,184	194,444	209,615	209,673	193,110	180,046	168,894	2,176,337
5	Med. & Large Comm./Ind.	727,408	711,918	702,159	747,258	758,156	779,065	842,892	896,389	911,106	846,547	810,767	738,557	9,472,220
6	Agriculture (PA)	6,105	6,406	5,605	7,489	8,585	9,551	10,992	11,402	11,402	10,092	9,397	7,369	104,431
7	Agriculture (PA-T-1)	13,996	14,483	14,856	16,838	18,029	18,981	20,675	20,351	21,391	19,276	18,288	15,380	212,544
8	Lighting	7,422	7,073	7,079	7,040	7,094	7,121	7,151	7,106	7,246	7,052	7,193	7,223	85,800
9	Sale for Resale	5	5	5	5	5	5	5	5	5	5	5	5	61
10	<b>Total System</b>	1,479,801	1,365,660	1,322,929	1,330,572	1,341,195	1,383,002	1,561,337	1,718,325	1,761,022	1,579,115	1,479,871	1,445,420	17,768,249
11	<b>Total System - EXCLUDING Sale for Resale</b>	1,479,796	1,365,655	1,322,924	1,330,567	1,341,190	1,382,997	1,561,332	1,718,319	1,761,017	1,579,110	1,479,866	1,445,415	17,768,188
12														
13														
14	<b>INPUT FROM FORECAST INFORMATION:</b>													
15	Medium & Large Details - Deliveries in MWh:													
16	Med & Large CI (AD)	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Med & Large CI (AL+AY+DGR)	662,516	651,638	644,561	686,580	696,809	720,795	779,900	834,029	844,325	783,297	750,169	676,714	8,731,333
18	Med & Large CI (A6)	64,891	60,279	57,598	60,678	61,347	58,270	62,993	62,360	66,780	63,249	60,599	61,843	740,887
19		727,408	711,918	702,159	747,258	758,156	779,065	842,892	896,389	911,106	846,547	810,767	738,557	9,472,220
20	<b>Total</b>	727,408	711,918	702,159	747,258	758,156	779,065	842,892	896,389	911,106	846,547	810,767	738,557	9,472,220

Line No.	System Class Deliveries (kWh)	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total
21	<b>System Delivery Determinants</b>													
22	Customer Class Deliveries (kWh)													
23	Residential	552,647,692	459,964,859	428,387,225	383,387,071	377,378,535	391,095,458	485,177,377	573,457,724	600,160,895	503,033,323	454,174,386	507,991,586	5,716,855,131
24	Small Commercial	172,217,795	165,811,676	164,838,059	168,554,774	171,948,399	177,183,923	194,444,249	209,615,190	209,673,563	193,109,909	180,046,053	168,894,522	2,176,336,912
25	Med. & Large Comm./Ind.	727,407,593	711,917,545	702,158,824	747,258,303	758,155,802	779,064,639	842,892,415	896,388,711	911,105,574	846,546,629	810,767,372	738,556,545	9,472,219,952
26	Agriculture (PA)	6,104,669	6,405,578	5,604,514	7,488,596	8,584,857	9,551,016	10,991,614	11,402,173	11,439,783	10,091,873	9,397,121	7,369,122	104,430,916
27	Agriculture (PA-T-1)	13,995,920	14,482,700	14,855,578	16,838,402	18,029,099	18,981,203	20,675,050	20,350,882	21,390,790	19,276,028	18,288,347	15,380,364	212,544,363
28	Lighting	7,422,195	7,072,619	7,079,413	7,039,927	7,093,700	7,121,045	7,150,862	7,108,747	7,246,471	7,052,376	7,192,692	7,223,380	85,800,427
29	Sale for Resale	5,325	5,023	5,047	5,030	5,078	5,102	5,126	5,078	5,189	5,030	5,126	5,150	61,304
30	<b>Total System</b>	1,479,801,189	1,365,660,000	1,322,928,660	1,330,572,103	1,341,195,470	1,383,002,386	1,561,336,693	1,718,324,505	1,761,022,065	1,579,115,168	1,479,871,097	1,445,419,669	17,768,249,005
31	<b>Total System - EXCLUDING Sale for Resale</b>	1,479,795,864	1,365,654,977	1,322,923,613	1,330,567,073	1,341,190,392	1,382,997,284	1,561,331,567	1,718,319,427	1,761,016,876	1,579,110,138	1,479,865,971	1,445,414,519	17,768,187,701
32														
33														
34	<b>INPUT FROM FORECAST INFORMATION:</b>													
35	Medium & Large Details - Deliveries in kWh:													
36	Med & Large CI (AD)	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Med & Large CI (AL+AY+DGR)	662,516,410	651,638,423	644,560,591	686,580,158	696,808,698	720,794,846	779,899,670	834,028,661	844,325,340	783,297,370	750,168,739	676,713,972	8,731,332,878
38	Med & Large CI (A6)	64,891,183	60,279,122	57,598,233	60,678,145	61,347,104	58,269,793	62,992,745	62,360,050	66,780,234	63,249,259	60,598,633	61,842,573	740,887,074
39		727,407,593	711,917,545	702,158,824	747,258,303	758,155,802	779,064,639	842,892,415	896,388,711	911,105,574	846,546,629	810,767,372	738,556,545	9,472,219,952
40	<b>Total</b>	727,407,593	711,917,545	702,158,824	747,258,303	758,155,802	779,064,639	842,892,415	896,388,711	911,105,574	846,546,629	810,767,372	738,556,545	9,472,219,952

Work Paper - 2  
Allocation of TRBAA Balance  
@ Sept. 30, 2019

**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Allocation Of Beginning TRBAA Balance Based on Forecast Balances**

Line No.	Components	(A) Beginning TRBAA Balance	(B) High Voltage TRBAA	(C) Low Voltage TRBAA	(D) Total	Reference	Line No.
1	TRBAA Balance @ 9/30/2019	\$ (3,754,665)				Work paper No. 4; Page 4.4; Line 32	1
2	Forecast - Wheeling Revenues		(12,749,675)	-	(12,749,675)	Work paper No. 6; Page 6.1; Line 19	2
3	Forecast - Settlements, Metering and Client Relations		7,419	4,581	12,000	Work paper No. 6; Page 6.1; Line 26	3
4	Forecast - ETC Cost Differentials		(456,279)	(281,700)	(737,979)	Work paper No. 6; Page 6.1; Line 32	4
5	Forecast - Other PTO Related Revenue (Credits)/Charges		(1,941,755)	6,372	(1,935,383)	Work paper No. 6; Page 6.1; Line 42	5
6	Forecast 2020 - Net Transmission Revenue Credits		\$ (15,140,290)	\$ (270,748)	\$ (15,411,037)	Sum Lines 3 through 9	6
7	Allocation Factors Based on Revenue Credit Forecast		98.24%	1.76%	100.00%	Ratios Per Line 11	7
8	Allocation of Beginning TRBAA Balance <sup>1</sup>		\$ (3,688,701)	\$ (65,964)	\$ (3,754,665)	Column (A) Line 1 x Line 13	8
9							9
10							10
11							11
12							12
13							13
14							14
15							15

<sup>1</sup> The beginning TRBAA balance on line 1, Column (A), is allocated between High Voltage and Low Voltage, using the ratios that were developed on line 13.

Work Paper - 3  
Standby Revenues

**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Standby Revenues**

Line No.	Components	(1)		(2)		(3) = (1) + (2)		Reference	Line No.
		High Voltage	Low Voltage	High Voltage	Low Voltage	Combined TRR	Combined TRR		
1	Total Standby Revenues					\$	(13,565,640)	See Note 1	1
2									2
3	TO5-Cycle 2 Informational Filing-Wholesale Base TRR	\$ 532,184,515	\$ 333,270,527			\$	865,455,042	See Note 2	3
4									4
5	HV-LV Allocation Factors	61.49187%	38.50813%				100.00%	Ratios Based on Line 2	5
6									6
7	Total HV-LV Standby Revenue Credits	\$ (8,341,766)	\$ (5,223,874)			\$	(13,565,640)	Col. 3; Line 1 x Line 5 Ratios	7

1 Standby Revenue amount of \$13,565,640, from Cost Statement BG; Page 1; Column A; Line 24, of SDG&E's TO5 Cycle 2 Annual Informational Filing.  
2 Wholesale Base TRR information comes from SDG&E's TO5 Cycle 2 Annual Informational Filing.

Work Paper - 4  
Monthly TRBAA Detailed Activities

**San Diego Gas Electric Co.**  
**TRBAA Monthly Activities Applicable to BK1 and BK2**  
**For the 12-Month Period Ending September 30, 2019**  
**2020 Annual TRBAA Rate Filing**

Line No.	Description	October 2018	November 2018	December 2018	January 2019
1	Beginning Balance (Overcollection)/Undercollection	\$ 2,954,303	\$ 2,680,590	\$ 3,025,897	\$ 3,627,703
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,561,400,437	1,527,398,269	1,504,985,653	1,528,948,602
5	TRBAA Rate	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.000545)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (1,092,980)	\$ (1,069,179)	\$ (1,053,490)	\$ (833,277)
7	Franchise Fees & Uncollectible Expense Adjustment <sup>1</sup>	(12,978)	(12,696)	(12,509)	(9,895)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (1,080,002)	\$ (1,056,483)	\$ (1,040,980)	\$ (823,382)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(1,342,294)	(664,073)	(294,003)	(232,005)
12	CT 4575 - Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
13	ETC Cost Differentials <sup>2</sup>	(26,279)	(57,722)	(160,948)	(82,492)
14	Other PTO Related Revenue (Credits)/Charges <sup>3</sup>	2,050	(2,007)	932	(1,633)
15	Sub-Total Monthly PTO Related Activity	\$ (1,365,522)	\$ (722,802)	\$ (453,020)	\$ (315,130)
16					
17	Other CAISO Adjustment	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (1,365,522)	\$ (722,802)	\$ (453,020)	\$ (315,130)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ (285,520)	\$ 333,681	\$ 587,961	\$ 508,253
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ 2,954,303	\$ 2,954,303	\$ 2,954,303	\$ 3,627,703
25	Monthly Activity Included in Interest Calculation Basis	(142,760)	(118,680)	342,141	254,126
26	Basis for Interest Expense Calculation	2,811,543	2,835,623	3,296,444	3,881,829
27	Monthly Interest Rate	0.42000%	0.41000%	0.42000%	0.44000%
28	Interest Expense	\$ 11,808	\$ 11,626	\$ 13,845	\$ 17,080
29					
30	Other Adjustment (rounding)	\$ (1)			
31					
32	<b>Ending Balance (Overcollection)/Undercollection</b>	<b>\$ 2,680,590</b>	<b>\$ 3,025,897</b>	<b>\$ 3,627,703</b>	<b>\$ 4,153,036</b>
33					
34					
35	<b>Franchise Fees &amp; Uncollectible Adjustment:</b>				
36	Franchise Fees Expense Rate	1.0277%	1.0277%	1.0277%	1.0277%
37	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
38	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%

**San Diego Gas Electric Co.**  
**TRBAA Monthly Activities Applicable to BK1 and BK2**  
**For the 12-Month Period Ending September 30, 2019**  
**2020 Annual TRBAA Rate Filing**

Line No.	Description	February 2019	March 2019	April 2019	May 2019
1	Beginning Balance (Overcollection)/Undercollection	\$ 4,153,036	\$ 3,759,653	\$ 2,841,293	\$ 2,196,496
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,526,583,534	1,369,831,037	1,292,385,891	1,425,805,203
5	TRBAA Rate	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (595,368)	\$ (534,234)	\$ (504,030)	\$ (556,064)
7	Franchise Fees & Uncollectible Expense Adjustment <sup>1</sup>	(7,070)	(6,344)	(5,985)	(6,603)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (588,298)	\$ (527,890)	\$ (498,045)	\$ (549,461)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(951,531)	(1,397,454)	(1,067,662)	(1,025,807)
12	CT 4575 - Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
13	ETC Cost Differentials <sup>2</sup>	(55,219)	(76,526)	(98,925)	(48,113)
14	Other PTO Related Revenue (Credits)/Charges <sup>3</sup>	8,277	12,239	11,434	(8,239)
15	Sub-Total Monthly PTO Related Activity	\$ (997,474)	\$ (1,460,741)	\$ (1,154,153)	\$ (1,081,159)
16					
17	Other CAISO Adjustment	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (997,474)	\$ (1,460,741)	\$ (1,154,153)	\$ (1,081,159)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ (409,176)	\$ (932,850)	\$ (656,108)	\$ (531,698)
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ 4,153,036	\$ 3,759,653	\$ 2,841,293	\$ 2,196,496
25	Monthly Activity Included in Interest Calculation Basis	(204,588)	(466,425)	(328,054)	(265,849)
26	Basis for Interest Expense Calculation	3,948,448	3,293,228	2,513,239	1,930,647
27	Monthly Interest Rate	0.40000%	0.44000%	0.45000%	0.46000%
28	Interest Expense	\$ 15,794	\$ 14,490	\$ 11,310	\$ 8,881
29					
30	Other Adjustment (rounding)			\$ 1	
31					
32	<b>Ending Balance (Overcollection)/Undercollection</b>	<b>\$ 3,759,653</b>	<b>\$ 2,841,293</b>	<b>\$ 2,196,496</b>	<b>\$ 1,673,679</b>
33					
34					
35	<b>Franchise Fees &amp; Uncollectible Adjustment:</b>				
36	Franchise Fees Expense Rate	1.0277%	1.0277%	1.0277%	1.0277%
37	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
38	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%



**San Diego Gas Electric Co.**  
**TRBAA Monthly Activities Applicable to BK1 and BK2**  
**For the 12-Month Period Ending September 30, 2019**  
**2020 Annual TRBAA Rate Filing**

Line No.	Description	June 2019	July 2019	August 2019	September 2019
1	Beginning Balance (Overcollection)/Undercollection	\$ 1,673,679	\$ 1,242,013	\$ 876,560	\$ (153,480)
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,376,369,694	1,466,292,065	1,630,533,993	1,827,929,133
5	TRBAA Rate	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (536,784)	\$ (571,854)	\$ (635,908)	\$ (712,892)
7	Franchise Fees & Uncollectible Expense Adjustment <sup>1</sup>	(6,374)	(6,790)	(7,551)	(8,465)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (530,410)	\$ (565,064)	\$ (628,357)	\$ (704,427)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(968,382)	(920,722)	(1,628,896)	(2,256,844)
12	CT 4575 - Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
13	ETC Cost Differentials <sup>2</sup>	(5,622)	(29,975)	(40,052)	(56,106)
14	Other PTO Related Revenue (Credits)/Charges <sup>3</sup>	4,382	14,214	7,856	(1,984,888)
15	Sub-Total Monthly PTO Related Activity	\$ (968,622)	\$ (935,484)	\$ (1,660,093)	\$ (4,296,838)
16					
17	Other CAISO Adjustment	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (968,622)	\$ (935,484)	\$ (1,660,093)	\$ (4,296,838)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ (438,212)	\$ (370,420)	\$ (1,031,736)	\$ (3,592,411)
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ 1,673,679	\$ 1,242,013	\$ 876,560	\$ (153,480)
25	Monthly Activity Included in Interest Calculation Basis	(219,106)	(185,210)	(515,868)	(1,796,206)
26	Basis for Interest Expense Calculation	1,454,574	1,056,803	360,692	(1,949,686)
27	Monthly Interest Rate	0.45000%	0.47000%	0.47000%	0.45000%
28	Interest Expense	\$ 6,546	\$ 4,967	\$ 1,695	\$ (8,774)
29					
30	Other Adjustment (rounding)				
31					
32	<b>Ending Balance (Overcollection)/Undercollection</b>	<b>\$ 1,242,013</b>	<b>\$ 876,560</b>	<b>\$ (153,480)</b>	<b>\$ (3,754,665)</b>
33					
34					
35	<b><u>Franchise Fees &amp; Uncollectible Adjustment:</u></b>				
36	Franchise Fees Expense Rate	1.0277%	1.0277%	1.0277%	1.0277%
37	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
38	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%

**San Diego Gas Electric Co.**  
**TRBAA Monthly Activities Applicable to BK1 and BK2**  
**For the 12-Month Period Ending September 30, 2019**  
**2020 Annual TRBAA Rate Filing**

Line No.	Description	Total	Reference	Line No.
1	Beginning Balance (Overcollection)/Undercollection	\$ 2,954,303	Previous Month's Balance	1
2				2
3	TRBAA Refund			3
4	Kwh (Excluding Sales for Resale).	18,038,463,511	Work Paper No. 1; Page 1.1; Line 32 TRBAA Rates; ER 18-211 (Oct - Dec 2018); ER19-209 (2019)	4
5	TRBAA Rate			5
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (8,696,061)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment <sup>1</sup>	(103,260)	(Line 6 / (1+ Line 38)) * Line 38	7
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (8,592,801)	Line 6 - Line 7	8
9				9
10	PTO Related - ISO Charge Types:			10
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(12,749,675)	Work Paper No. 5; Page 5.1-5.2; Line 4	11
12	CT 4575 - Settlements, Metering, Client Relations	12,000	Work Paper No. 5; Page 5.1-5.2; Line 7	12
13	ETC Cost Differentials <sup>2</sup>	(737,979)	Work Paper No. 5; Page 5.1-5.2; Line 10	13
14	Other PTO Related Revenue (Credits)/Charges <sup>3</sup>	(1,935,383)	Work Paper No. 5; Page 5.1-5.2; Line 13	14
15	Sub-Total Monthly PTO Related Activity	\$ (15,411,037)	Sum Lines 11 thru 14	15
16				16
17	Other CAISO Adjustment	-	Other CAISO Adjustment	17
18	Sub-Total Adjustment	\$ -	Sum Line 17	18
19	Total	\$ (15,411,037)	Sum Lines 15; 18	19
20				20
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ (6,818,236)	Minus Line 8 + (Line 19)	21
22				22
23	Interest Expense Calculations:			23
24	Beginning Balance for Interest Calculation		Beg. Monthly Balances Effective Jan 2019	24
25	Monthly Activity Included in Interest Calculation Basis		Interest Calculation Basis	25
26	Basis for Interest Expense Calculation		Line 24 + Line 25	26
27	Monthly Interest Rate		FERC Monthly Rates	27
28	Interest Expense	\$ 109,268	Line 26 x Line 27	28
29				29
30	Other Adjustment (rounding)	-		30
31				31
32	<b>Ending Balance (Overcollection)/Undercollection</b>	<b>\$ (3,754,665)</b>	Line 1 + Line 21 + Line 28 + Line 30	32
33				33
34				34
35	<b><u>Franchise Fees &amp; Uncollectible Adjustment:</u></b>			35
36	Franchise Fees Expense Rate		Franchise Fees Expense Rate	36
37	Uncollectible Expense Adjustment Rate		Uncollectible Expense Adjustment Rate	37
38	Combined FF&U Adjustment Rate		Line 36 + Line 37	38

**San Diego Gas & Electric Co.**  
**2020 TRBAA Rate Filing**  
**Monthly TRBAA Details for Period Ending September 30, 2019**

Line No.	FOOTNOTES to Monthly TRBAA Balance:	Line No.
1	1 The Franchise Fees and Uncollectible expense amount adjustment are removed from the amount collected from/(refunded) to customers to properly balance in the TRBAA mechanism only the approved revenue credits and CAISO charges.	1
2	2 Existing Transmission Contract (ETC) Cost Differentials related to APS-IID pertains to SDG&E as the Scheduling Coordinator for Arizona Public Service - Imperial Irrigation District ("APS-IID") (See Work Paper No. 5; Pages 5.1 - 5.2; Line 10).	2
3	3 Other Participating Transmission Owner (PTO) Related (Credits)/Charges include CAISO charge codes 1592, 7989, 7999, 8526, and 8999. These charges are segregated out of the ETC Cost Differentials category and classified as Other PTO related (Credits)/Charges to enhance reporting transparency. Each account has a different allocation method specified by CAISO.	3
4		4
5		5

Work Paper - 5  
Summary of CAISO Charge Codes

San Diego Gas & Electric Company  
2020 TRBAA Rate Filing  
CAISO Charges Oct. 2018 - Sep. 2019

Line No.	Description	October 2018	November 2018	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019
1	<b>High Voltage Wheeling Revenues:</b>								
2	CT 384 - HV Wheeling Revenues Due TO	\$ (1,343,285)	\$ (664,068)	\$ (293,976)	\$ (232,005)	\$ (953,347)	\$ (1,397,454)	\$ (1,067,673)	\$ (1,025,807)
3	CT 382 - HV Wheeling Charge Due ISO	991	(5)	(27)	-	1,816	-	11	(0)
4	Net	\$ (1,342,294)	\$ (664,073)	\$ (294,003)	\$ (232,005)	\$ (951,531)	\$ (1,397,454)	\$ (1,067,662)	\$ (1,025,807)
5									
6	<b>CT 4575 - Settlements, Metering, &amp; Client Relations (SDGE-PTO)</b>	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
7									
8									
9	<b>ETC Cost Differentials from CAISO</b>	\$ (26,279)	\$ (57,722)	\$ (160,948)	\$ (82,492)	\$ (55,219)	\$ (76,526)	\$ (98,925)	\$ (48,113)
10									
11									
12	<b>Other PTO Related Revenue (Credits)/Charges</b>	\$ 2,050	\$ (2,007)	\$ 932	\$ (1,633)	\$ 8,277	\$ 12,239	\$ 11,434	\$ (8,239)
13									
14									

San Diego Gas & Electric Company  
2020 TRBAA Rate Filing  
CAISO Charges Oct. 2018 - Sep. 2019

Line No.	Description	June 2019	July 2019	August 2019	September 2019	Total	Reference	Line No.
1	<b>High Voltage Wheeling Revenues:</b>							
2	CT 384 - HV Wheeling Revenues Due TO	\$ (968,382)	\$ (920,751)	\$ (1,628,896)	\$ (2,277,618)	\$ (12,773,263)	ISO Charge Type 384	1
3	CT 382 - HV Wheeling Charge Due ISO	-	28	-	20,774	23,589	ISO Charge Type 382	2
4	Net	\$ (968,382)	\$ (920,722)	\$ (1,628,896)	\$ (2,256,844)	\$ (12,749,675)		3
5								4
6								5
7	<b>CT 4575 - Settlements, Metering, &amp; Client Relations (SDGE-PTO)</b>	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 12,000	ISO Charge Type 4575	6
8								7
9								8
10	<b>ETC Cost Differentials from CAISO</b>	\$ (5,622)	\$ (29,975)	\$ (40,052)	\$ (56,106)	\$ (737,979)	Work Paper 10; Pages 10.1 - 10.3; Line 46	9
11								10
12	<b>Other PTO Related Revenue (Credits)/Charges</b>	\$ 4,382	\$ 14,214	\$ 7,856	\$ (1,984,888)	\$ (1,935,383)	Work Paper 12; Pages 12.1 - 12.2; Line 11	11
13								12
14								13
								14

Work Paper - 6  
Summary of Transmission Revenue  
(Credits)/Charges Forecast

San Diego Gas & Electric Company  
2020 - TRBAA Rate Filing  
Summary of TRBAA Forecast Allocation Between High Voltage and Low Voltage Facilities

Line No.	Reference	(A)	(B)	(C) = (A) + (B)	Line No.
1	<b><u>HV-LV Allocation Factors:</u></b>				1
2	<b><u>A. Development of Allocation Factors:</u></b>				2
3	TO5 Cycle 2 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 3,944,178	\$ 2,107,133	\$ 6,051,312	3
4	TO5 Cycle 2 - Weighted Forecast Plant Additions; Dollars in (\$000)	\$ 145,710	\$ 417,904	\$ 563,614	4
5	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 4,089,889	\$ 2,525,037	\$ 6,614,926	5
6	High Voltage - Low Voltage Ratios Based on Gross Plant; Per Line 9	61.83%	38.17%	100.00%	6
7					7
8					8
9					9
10					10
11					11
12					12
13	<b><u>B. Allocation of High Voltage Wheeling Revenues:</u></b>				13
14	Total Wheeling Revenues Forecast based on recorded HV-LV wheeling revenues ending 9/30/2019	\$ (12,749,675)	-	\$ (12,749,675)	14
15	HV - Allocation Ratio is NOT Based on Plant as shown on Line 11	100.00%	0.00%	100.00%	15
16					16
17					17
18					18
19	<b>Total HV-LV Wheeling Revenues Allocation</b>	\$ (12,749,675)	-	\$ (12,749,675)	19
20					20
21	<b><u>C. Forecast of Settlements, Metering, &amp; Client Relations Expense:</u></b>				21
22	Total Settlements, Metering & Client Relations Expense Forecast based on recorded CC-45/75 ending 9/30/2019	\$ 12,000		\$ 12,000	22
23	Adjusted for Known and Measurable Changes.				23
24					24
25					25
26	<b>Total Settlements, Metering, &amp; Client Relations Allocation</b>	\$ 7,419	\$ 4,581	\$ 12,000	26
27					27
28	<b><u>D. Forecast of ETC Cost Differentials Expense:</u></b>				28
29	Total ETC Cost Differentials Expense Forecast based on recorded other various CAISO charges ending 9/30/2019			\$ (737,979)	29
30					30
31					31
32	<b>Total ETC Cost Differentials Allocation</b>	\$ (456,279)	\$ (281,700)	\$ (737,979)	32
33					33
34	<b><u>E. Forecast of Other PTO Related Revenue (Credits)/Charges:</u></b>				34
35	Total Other PTO Related Revenue (Credits)/Charges based on recorded specific various CAISO charges ending 9/30/2019			\$ (1,935,383)	35
36	Less: CC 8526 HV/LV specific allocation per CAISO	\$ (1,977,458)	\$ (15,670)	\$ (1,993,128)	36
37	Net Other PTO Related Revenue (Credits)/Charges HV/LV Allocation	\$ 35,702	\$ 22,042	\$ 57,744	37
38	<b>Total Other PTO Related Revenue (Credits)/Charges Allocation</b>	\$ (1,941,755)	\$ 6,372	\$ (1,935,383)	38
39					39
40					40
41					41
42					42
43					43



Work Paper - 7  
Derivation of Wheeling Revenue Forecast

**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Wheeling Revenues Forecast**

Line No	Actual Recorded Month	(A)		(B)		(C)	(D)	Line No
		High Voltage Wheeling Revenues (384)/(382)-Net	Wheeling Revenues (385)	Low Voltage Wheeling Revenues (385)	Total			
1	Oct-18	\$ (1,342,294)	\$ -	\$ -	\$ (1,342,294)	Work paper No. 5; Page 5.1 and 5.2; Line 4	1	
2							2	
3	Nov-18	(664,073)	-	-	(664,073)	Work paper No. 5; Page 5.1 and 5.2; Line 4	3	
4							4	
5	Dec-18	(294,003)	-	-	(294,003)	Work paper No. 5; Page 5.1 and 5.2; Line 4	5	
6							6	
7	Jan-19	(232,005)	-	-	(232,005)	Work paper No. 5; Page 5.1 and 5.2; Line 4	7	
8							8	
9	Feb-19	(951,531)	-	-	(951,531)	Work paper No. 5; Page 5.1 and 5.2; Line 4	9	
10							10	
11	Mar-19	(1,397,454)	-	-	(1,397,454)	Work paper No. 5; Page 5.1 and 5.2; Line 4	11	
12							12	
13	Apr-19	(1,067,662)	-	-	(1,067,662)	Work paper No. 5; Page 5.1 and 5.2; Line 4	13	
14							14	
15	May-19	(1,025,807)	-	-	(1,025,807)	Work paper No. 5; Page 5.1 and 5.2; Line 4	15	
16							16	
17	Jun-19	(968,382)	-	-	(968,382)	Work paper No. 5; Page 5.1 and 5.2; Line 4	17	
18							18	
19	Jul-19	(920,722)	-	-	(920,722)	Work paper No. 5; Page 5.1 and 5.2; Line 4	19	
20							20	
21	Aug-19	(1,628,896)	-	-	(1,628,896)	Work paper No. 5; Page 5.1 and 5.2; Line 4	21	
22							22	
23	Sep-19	(2,256,844)	-	-	(2,256,844)	Work paper No. 5; Page 5.1 and 5.2; Line 4	23	
24							24	
25	<b>Total Recorded</b>	<b>\$ (12,749,675)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (12,749,675)</b>	<b>Sum Lines 1 to 23</b>	25	
26							26	
27	<b>Wheeling Revenue Forecast</b>	<b>\$ (12,749,675)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (12,749,675)</b>	<b>See Line 25</b>	27	
28							28	

Work Paper - 8

Derivation of Settlements, Metering and  
Client Relations Charges Forecast

**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**CAISO Charge Code 4575 - Settlements, Metering and Client Relations Charge Code 4575 Forecast**

Line No.	Actual Recorded Month	Settlements, Metering, and Client Relations Charge Code - 4575	Reference	Line No.
1	Oct-18	\$ 1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	1
2				2
3	Nov-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	3
4				4
5	Dec-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	5
6				6
7	Jan-19	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	7
8				8
9	Feb-19	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	9
10				10
11	Mar-19	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	11
12				12
13	Apr-19	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	13
14				14
15	May-19	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	15
16				16
17	Jun-19	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	17
18				18
19	Jul-19	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	19
20				20
21	Aug-19	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	21
22				22
23	Sep-19	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	23
24				24
25	<b>Total Recorded</b>	\$ <b>12,000</b>	Sum Lines 1 to 23	25
26				26
27	<b>Settlements, Metering and Client Relations Charge Code - 4575 Forecast <sup>a</sup></b>	\$ <b>12,000</b>	See Line 25	27
28				28

<sup>a</sup> CAISO Settlements, Metering and Client Relations forecast is based on the recorded new rates under MRTU of \$1,000 per month. This amount represents the amount charged to SDG&E as a PTO. A similar amount is charged to SDG&E as the Scheduling Coordinator for APS-IID where the amount is included as part of ETC Cost Differentials.

Work Paper - 9  
Derivation of ETC Cost Differentials  
Forecast

**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Existing Transmission Contracts (ETC) Cost Differentials Forecast**

<b>Line No.</b>	<b>Actual Recorded Month</b>	<b>Existing Transmission Contracts (ETC) Cost Differentials</b>	<b>Reference</b>	<b>Line No.</b>
1	Oct-18	\$ (26,279)	Work paper No. 5; Page 5.1 and 5.2; Line 10	1
2				2
3	Nov-18	(57,722)	Work paper No. 5; Page 5.1 and 5.2; Line 10	3
4				4
5	Dec-18	(160,948)	Work paper No. 5; Page 5.1 and 5.2; Line 10	5
6				6
7	Jan-19	(82,492)	Work paper No. 5; Page 5.1 and 5.2; Line 10	7
8				8
9	Feb-19	(55,219)	Work paper No. 5; Page 5.1 and 5.2; Line 10	9
10				10
11	Mar-19	(76,526)	Work paper No. 5; Page 5.1 and 5.2; Line 10	11
12				12
13	Apr-19	(98,925)	Work paper No. 5; Page 5.1 and 5.2; Line 10	13
14				14
15	May-19	(48,113)	Work paper No. 5; Page 5.1 and 5.2; Line 10	15
16				16
17	Jun-19	(5,622)	Work paper No. 5; Page 5.1 and 5.2; Line 10	17
18				18
19	Jul-19	(29,975)	Work paper No. 5; Page 5.1 and 5.2; Line 10	19
20				20
21	Aug-19	(40,052)	Work paper No. 5; Page 5.1 and 5.2; Line 10	21
22				22
23	Sep-19	(56,106)	Work paper No. 5; Page 5.1 and 5.2; Line 10	23
24				24
25	<b>Total Recorded</b>	\$ (737,979)	Sum Lines 1 to 23	25
26				26
27	<b>Existing Transmission Contracts (ETC) Cost Differentials Forecast</b>	\$ (737,979)	See Line 25	27
28				28

Work Paper – 10  
Monthly Recorded ETC Cost Differentials  
Charge Types

**San Diego Gas & Electric Company**  
**2020 TRBAA Rate Filing**  
**Details of Monthly ETC Cost Differentials**

Line No.	Charge Type	ETC Cost Differentials Charge Types	Oct-18	Nov-18	Dec-18	Jan-19
		<b>TRBAA Revenues</b>				
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ -	\$ -
2	4989	RTM Congestion Credit Settlement	-	-	-	(2)
3	6011	Day Ahead Energy Congestion Loss Management	68,710	1,034	108,081	77,456
4	6194	Spinning Reserve Obligation Settlement	(68)	(19)	(1)	(33)
5	6294	Non-Spinning Reserve Obligation Settlement	(11)	(6)	(3)	(3)
6	6457	Declined Hourly Pre-Dispatched Penalty Allocation	-	0	12	-
7	6478	Real Time System Imbalance Energy Offset	-	-	(114)	156
8	6706	Monthly CRRBA Clearing	-	-	-	-
9	6788	Real Time Market Congestion Credit Settlement	6,831	231	(9,074)	343,457
10	6791	CRR Accrued Interest Allocation	(0)	-	-	-
11	6947	IFM Marginal Losses Surplus Credit Allocation	(149,762)	(114,423)	(150,682)	(131,076)
12	6977	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	-	(8)	(28)	(12)
13	7057	Flexible Ramp Supply Cost Allocation Reversal	(0)	0	0	(46)
14	7070	Flexible Ramp Forecasted Movement Settlement	-	(1)	-	-
15	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	(449)	(211)	(4,508)	(727)
16	7989	Invoice Deviation Interest Distribution	(22)	(17)	(13,839)	(15,598)
17	8526	Generator Interconnection Process Forfeited Deposit Allocation	-	-	-	-
18	8999	Neutrality Adjustment	-	-	-	-
19		All Other	-	-	-	-
20						
		<b>TRBAA Expenses</b>				
21						
22	0550	FERC Fees	6	-	-	-
23	4515	Bid Segment Fee	39	26	27	34
24	4560	GMC - Market Service Charge	1,022	1,941	6,111	5,163
25	4561	GMC - System Operations Charge	248	583	194	(215)
26	4563	GMC - Transmission Ownership Rights	53,588	34,068	35,312	43,204
27	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
28	6196	Spinning Reserve Neutrality Allocation	-	-	-	-
29	6455	Declined Hourly Pre-Dispatch Penalty Allocation	-	-	(121,165)	(132,480)
30	6460	FMM Instructed Imbalance Energy Settlement	(11,310)	(6,932)	332	(243,003)
31	6470	Real-Time Instructed Imbalance Energy Settlement	1,588	774	5,847	(25,471)
32	6477	Real-Time Imbalanced Energy Offset	11	220	(1,932)	1,072
33	6480	Excess Cost Neutrality Allocation	-	28	(28)	-
34	6636	IFM Bid Cost Recovery Tier 1 Allocation	-	-	-	0
35	6678	Real Time Bid Cost Recovery Allocation	1	413	91	(383)
36	6774	Real Time Congestion Offset	0	1,188	(1,116)	149
37	6790	CRR Balancing Account	1	112	(685)	376
38	6985	Real Time Marginal Losses Offset	1,525	5,417	(7,477)	(3,373)
39	7056	Flexible Ramp Cost Allocation	0	(0)	(0)	46
40	7058	Monthly Flexible Ramp Supply Cost Allocation	0	2	(0)	24
41	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	770	16,853	(7,331)	(2,227)
42	7087	Daily Flexible Ramp Down Uncertainty Award Allocation	-	-	-	-
43	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation	0	-	-	-
44	7999	Invoice Deviation Interest Allocation	4	2	26	19
45						
46		<b>Grand Total</b>	<b>\$ (26,279)</b>	<b>\$ (57,722)</b>	<b>\$ (160,948)</b>	<b>\$ (82,492)</b>
47						
48						
49		Adjusted Total ETC Cost Differential - Line 46 above	<b>\$ (26,279)</b>	<b>\$ (57,722)</b>	<b>\$ (160,948)</b>	<b>\$ (82,492)</b>
50		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	<b>\$ (26,279)</b>	<b>\$ (57,722)</b>	<b>\$ (160,948)</b>	<b>\$ (82,492)</b>
51		Difference	-	-	-	-
52						



**San Diego Gas & Electric Company**  
**2020 TRBAA Rate Filing**  
**Details of Monthly ETC Cost Differentials**

Line No.	Charge Type	ETC Cost Differentials Charge Types	Feb-19	Mar-19	Apr-19	May-19
		<b>TRBAA Revenues</b>				
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ (1,414)	\$ -
2	4989	RTM Congestion Credit Settlement	-	-	-	-
3	6011	Day Ahead Energy Congestion Loss Management	41,946	12,750	(34,775)	(15,124)
4	6194	Spinning Reserve Obligation Settlement	(87)	(208)	(403)	(407)
5	6294	Non-Spinning Reserve Obligation Settlement	(3)	(13)	(27)	(28)
6	6457	Declined Hourly Pre-Dispatched Penalty Allocation	(0)	-	-	-
7	6478	Real Time System Imbalance Energy Offset	-	53	(10,693)	(407)
8	6706	Monthly CRRBA Clearing	(25)	-	(1)	-
9	6788	Real Time Market Congestion Credit Settlement	(4,110)	104,223	10,635	3,060
10	6791	CRR Accrued Interest Allocation	(0)	-	-	-
11	6947	IFM Marginal Losses Surplus Credit Allocation	(135,640)	(139,689)	(103,448)	(72,307)
12	6977	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	17	(1)	(9)	4
13	7057	Flexible Ramp Supply Cost Allocation Reversal	-	-	-	-
14	7070	Flexible Ramp Forecasted Movement Settlement	(1)	-	-	-
15	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	(846)	(556)	(651)	(501)
16	7989	Invoice Deviation Interest Distribution	(313)	(89)	(183)	(4)
17	8526	Generator Interconnection Process Forfeited Deposit Allocation	-	-	(3,195)	-
18	8999	Neutrality Adjustment	-	-	-	-
19		All Other				
20						
		<b>TRBAA Expenses</b>				
21						
22	0550	FERC Fees	13	-	-	-
23	4515	Bid Segment Fee	34	41	50	38
24	4560	GMC - Market Service Charge	1,114	768	1,282	1,310
25	4561	GMC - System Operations Charge	365	382	797	503
26	4563	GMC - Transmission Ownership Rights	38,951	38,816	43,822	34,931
27	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
28	6196	Spinning Reserve Neutrality Allocation	-	-	-	-
29	6455	Declined Hourly Pre-Dispatch Penalty Allocation	(453)	-	-	-
30	6460	FMM Instructed Imbalance Energy Settlement	(491)	(25,039)	(3,229)	645
31	6470	Real-Time Instructed Imbalance Energy Settlement	3,392	(58,093)	(3,571)	(1,522)
32	6477	Real-Time Imbalanced Energy Offset	4,134	(3,685)	54	48
33	6480	Excess Cost Neutrality Allocation	12	(12)	-	0
34	6636	IFM Bid Cost Recovery Tier 1 Allocation	-	-	-	-
35	6678	Real Time Bid Cost Recovery Allocation	277	(161)	(102)	31
36	6774	Real Time Congestion Offset	(235)	182	79	(20)
37	6790	CRR Balancing Account	276	(321)	67	27
38	6985	Real Time Marginal Losses Offset	(6,199)	(7,483)	3,232	100
39	7056	Flexible Ramp Cost Allocation	(1)	(1)	(0)	-
40	7058	Monthly Flexible Ramp Supply Cost Allocation	0	-	-	-
41	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	1,649	514	1,515	565
42	7087	Daily Flexible Ramp Down Uncertainty Award Allocation	-	11	174	(106)
43	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation	1	-	39	34
44	7999	Invoice Deviation Interest Allocation	5	83	28	18
45						
46		<b>Grand Total</b>	<b>\$ (55,219)</b>	<b>\$ (76,526)</b>	<b>\$ (98,925)</b>	<b>\$ (48,113)</b>
47						
48						
49		Adjusted Total ETC Cost Differential - Line 46 above	<b>\$ (55,219)</b>	<b>\$ (76,526)</b>	<b>\$ (98,925)</b>	<b>\$ (48,113)</b>
50		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	<b>\$ (55,219)</b>	<b>\$ (76,526)</b>	<b>\$ (98,925)</b>	<b>\$ (48,113)</b>
51		Difference	-	-	-	-
52						

**San Diego Gas & Electric Company**  
**2020 TRBAA Rate Filing**  
**Details of Monthly ETC Cost Differentials**

Line No.	Charge Type	ETC Cost Differentials Charge Types	Jun-19	Jul-19	Aug-19	Sep-19	Total	Line No.
		<b>TRBAA Revenues</b>						
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ -	\$ -	\$ (1,414)	1
2	4989	RTM Congestion Credit Settlement	-	-	-	-	(2)	2
3	6011	Day Ahead Energy Congestion Loss Management	28,002	50,875	57,638	32,062	428,654	3
4	6194	Spinning Reserve Obligation Settlement	(173)	(68)	(56)	(132)	(1,653)	4
5	6294	Non-Spinning Reserve Obligation Settlement	(15)	(2)	(19)	(41)	(172)	5
6	6457	Declined Hourly Pre-Dispatched Penalty Allocation	-	-	-	(6)	6	6
7	6478	Real Time System Imbalance Energy Offset	10,682	4	0	0	(318)	7
8	6706	Monthly CRRBA Clearing	-	(0)	-	(172)	(198)	8
9	6788	Real Time Market Congestion Credit Settlement	(10,107)	4,402	1,785	663	451,998	9
10	6791	CRR Accrued Interest Allocation	-	-	-	(3)	(4)	10
11	6947	IFM Marginal Losses Surplus Credit Allocation	(88,574)	(134,597)	(143,910)	(133,767)	(1,497,876)	11
12	6977	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	13	(17)	(26)	(73)	(139)	12
13	7057	Flexible Ramp Supply Cost Allocation Reversal	-	-	-	-	(46)	13
14	7070	Flexible Ramp Forecasted Movement Settlement	183	-	-	-	180	14
15	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	(34)	(34)	(302)	(517)	(9,337)	15
16	7989	Invoice Deviation Interest Distribution	(39)	(60)	(2)	(42)	(30,208)	16
17	8526	Generator Interconnection Process Forfeited Deposit Allocation	-	-	-	-	(3,195)	17
18	8999	Neutrality Adjustment	-	-	-	-	-	18
19		All Other	-	-	-	-	-	19
20								20
		<b>TRBAA Expenses</b>						
21	0550	FERC Fees	-	0	-	127	146	21
22	4515	Bid Segment Fee	36	42	34	37	438	22
23	4560	GMC - Market Service Charge	560	251	857	1,222	21,600	23
24	4561	GMC - System Operations Charge	308	308	399	485	4,357	24
25								25
26	4563	GMC - Transmission Ownership Rights	39,785	53,799	40,793	39,696	496,764	26
27	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000	12,000	27
28	6196	Spinning Reserve Neutrality Allocation	-	-	-	(0)	(0)	28
29	6455	Declined Hourly Pre-Dispatch Penalty Allocation	-	-	-	-	(254,098)	29
30	6460	FMM Instructed Imbalance Energy Settlement	(1,553)	179	(1,212)	(1,279)	(292,893)	30
31	6470	Real-Time Instructed Imbalance Energy Settlement	10,165	(4,081)	(3,370)	(320)	(74,661)	31
32	6477	Real-Time Imbalanced Energy Offset	171	(605)	737	416	641	32
33	6480	Excess Cost Neutrality Allocation	(0)	-	17	(17)	-	33
34	6636	IFM Bid Cost Recovery Tier 1 Allocation	-	-	-	-	0	34
35	6678	Real Time Bid Cost Recovery Allocation	74	(45)	367	(257)	307	35
36	6774	Real Time Congestion Offset	(179)	(17)	111	360	503	36
37	6790	CRR Balancing Account	(8)	(35)	(62)	(56)	(307)	37
38	6985	Real Time Marginal Losses Offset	3,910	(1,334)	4,495	3,931	(3,257)	38
39	7056	Flexible Ramp Cost Allocation	-	-	-	-	44	39
40	7058	Monthly Flexible Ramp Supply Cost Allocation	-	-	-	-	26	40
41	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	104	(60)	663	568	13,584	41
42	7087	Daily Flexible Ramp Down Uncertainty Award Allocation	1	(0)	1	-	80	42
43	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation	61	6	7	0	148	43
44	7999	Invoice Deviation Interest Allocation	6	117	3	9	320	44
45								45
46		<b>Grand Total</b>	<b>\$ (5,622)</b>	<b>\$ (29,975)</b>	<b>\$ (40,052)</b>	<b>\$ (56,106)</b>	<b>\$ (737,979)</b>	46
47								47
48								48
49		Adjusted Total ETC Cost Differential - Line 46 above	<b>\$ (5,622)</b>	<b>\$ (29,975)</b>	<b>\$ (40,052)</b>	<b>\$ (56,106)</b>	<b>\$ (737,979)</b>	49
50		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	<b>\$ (5,622)</b>	<b>\$ (29,975)</b>	<b>\$ (40,052)</b>	<b>\$ (56,106)</b>	<b>\$ (737,979)</b>	50
51		Difference	-	-	-	-	-	51
52								52

Work Paper - 11

Derivation of Other PTO Related Revenue  
(Credits)/Charges Forecast

**San Diego Gas & Electric Company**  
**2020 - TRBAA Rate Filing**  
**Other PTO Related Revenue (Credits) / Charge Forecast**

Line No.	Actual Recorded Month	Other PTO Related Revenue (Credits)/Charges	Reference	Line No.
1	Oct-18	\$ 2,050	Work paper No. 5; Page 5.1 and 5.2; Line 13	1
2				2
3	Nov-18	(2,007)	Work paper No. 5; Page 5.1 and 5.2; Line 13	3
4				4
5	Dec-18	932	Work paper No. 5; Page 5.1 and 5.2; Line 13	5
6				6
7	Jan-19	(1,633)	Work paper No. 5; Page 5.1 and 5.2; Line 13	7
8				8
9	Feb-19	8,277	Work paper No. 5; Page 5.1 and 5.2; Line 13	9
10				10
11	Mar-19	12,239	Work paper No. 5; Page 5.1 and 5.2; Line 13	11
12				12
13	Apr-19	11,434	Work paper No. 5; Page 5.1 and 5.2; Line 13	13
14				14
15	May-19	(8,239)	Work paper No. 5; Page 5.1 and 5.2; Line 13	15
16				16
17	Jun-19	4,382	Work paper No. 5; Page 5.1 and 5.2; Line 13	17
18				18
19	Jul-19	14,214	Work paper No. 5; Page 5.1 and 5.2; Line 13	19
20				20
21	Aug-19	7,856	Work paper No. 5; Page 5.1 and 5.2; Line 13	21
22				22
23	Sep-19	(1,984,888)	Work paper No. 5; Page 5.1 and 5.2; Line 13	23
24				24
25	<b>Total Recorded</b>	\$ <b>(1,935,383)</b>	Sum Lines 1 to 23	25
26				26
27	<b>Other PTO Related Revenue (Credits) / Charges Forecast</b>	\$ <b>(1,935,383)</b>	See Line 25	27
28				28

Work Paper - 12  
Monthly Recorded  
Other PTO Related Revenue  
(Credits)/Charges

**San Diego Gas & Electric Company  
2020 TRBAA Rate Filing**

**Details of Monthly Other PTO Related Revenue (Credits)/Charges**

Line No.	Charge Type	Other PTO Related Revenue (Credits)/Charge Types <sup>a</sup>	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	7989	Invoice Deviation Interest Distribution	(1,605)	(2,007)	(1,197)	(1,683)	(845)	(193)
3	7999	Invoice Deviation Interest Allocation	3,655	-	2,128	50	9,121	12,432
4	8526	Generator Interconnection Process Forfeited Deposit Allocation <sup>b</sup>	-	-	-	-	-	-
5	8999	Neutrality Adjustment	-	-	-	-	-	-
6		<b>Grand Total</b>	<b>\$ 2,050</b>	<b>\$ (2,007)</b>	<b>\$ 932</b>	<b>\$ (1,633)</b>	<b>\$ 8,277</b>	<b>\$ 12,239</b>
7		Adjusted Total Other PTO Related Revenue (Credits)/Charges -	<b>\$ 2,050</b>	<b>\$ (2,007)</b>	<b>\$ 932</b>	<b>\$ (1,633)</b>	<b>\$ 8,277</b>	<b>\$ 12,239</b>
8		Line 11 above						
9		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 14						
10		Difference						
11								
12								
13								
14								
15								
16								
17								

<sup>a</sup> Other Participating Transmission Owner (PTO) Related (Credits)/Charges include CAISO charge codes 1592, 7989, 7999, 8526, and 8999. The segregation of these charges and classifying them as Other PTO Related (Credits)/Charges enhances reporting transparency.

<sup>b</sup> In accordance with the CAISO Tariff Appendix DD, Section 7.6, SDG&E, as a PTO, received \$1,993,127.93 under CAISO Charge Code 8526 on September 17, 2019. Of this amount, \$1,977,457.83 is classified as High Voltage and \$15,670.10 is classified as Low Voltage.  
High Voltage  
Low Voltage  
Total

**San Diego Gas & Electric Company**  
**2020 TRBAA Rate Filing**  
**Details of Monthly Other PTO Related Revenue (Credits)/Charges**

Line No.	Charge Type	Other PTO Related Revenue (Credits)/Charge Types <sup>a</sup>	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Total	Line No.
1	1592	EP Penalty Allocation Payment	\$ (35)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (35)	1
2										2
3	7989	Invoice Deviation Interest Distribution	(198)	(18,307)	(2,811)	(410)	(1)	(86)	(29,341)	3
4										4
5	7999	Invoice Deviation Interest Allocation	11,746	10,068	7,192	14,624	7,857	8,326	87,200	5
6										6
7	8526	Generator Interconnection Process Forfeited Deposit Allocation <sup>b</sup>	(79)	-	-	-	-	(1,993,128)	(1,993,207)	7
8										8
9	8999	Neutrality Adjustment	-	-	-	-	-	-	-	9
10										10
11		<b>Grand Total</b>	<b>\$ 11,434</b>	<b>\$ (8,239)</b>	<b>\$ 4,382</b>	<b>\$ 14,214</b>	<b>\$ 7,856</b>	<b>\$ (1,984,888)</b>	<b>\$ (1,935,383)</b>	11
12										12
13		Adjusted Total Other PTO Related Revenue (Credits)/Charges -								13
14		Line 11 above	\$ 11,434	\$ (8,239)	\$ 4,382	\$ 14,214	\$ 7,856	\$ (1,984,888)	\$ (1,935,383)	14
15		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 14	\$ 11,434	\$ (8,239)	\$ 4,382	\$ 14,214	\$ 7,856	\$ (1,984,888)	\$ (1,935,383)	15
16		Difference	-	-	-	-	-	-	-	16
17										17

<sup>a</sup> Other Participating Transmission Owner (PTO) Related (Credits)/Charges include CAISO charge codes 1592, 7989, 7999, 8526, and 8999. The segregation of these charges and classifying them as Other PTO Related (Credits)/Charges enhances reporting transparency.

<sup>b</sup> In accordance with the CAISO Tariff Appendix DD, Section 7.6, SDG&E, as a PTO, received \$1,993,127.93 under CAISO Charge Code 8526 on September 17, 2019. Of this amount, \$1,977,457.83 is classified as High Voltage and \$15,670.10 is classified as Low Voltage.

High Voltage	\$ (1,977,458)
Low Voltage	(15,670)
<b>Total</b>	<b>\$ (1,993,128)</b>