

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

San Diego Gas & Electric Company

Docket No. ER19- -000

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

October 29, 2018



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October 29, 2018

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, 2019 Annual TRBAA Rate Revision,
Docket No. ER19-____-000**

Dear Ms. Bose:

Pursuant to Section 35.13 of the regulations of the Federal Energy Regulatory Commission (“FERC” or “Commission”),¹ 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”).²

This filing updates the TRBAA rate for end-use retail customers and the TRBAA to be used by the California Independent System Operator Corporation (“CAISO”) in calculating its Transmission Access Charge (“TAC”). The requested effective date for this adjustment is January 1, 2019.³

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 subject to the Transmission Revenue Balancing Account Adjustment and sets forth the procedure

¹ 18 C.F.R. §§ 35.13.

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

³ SDG&E’s most recent annual TRBAA update filing was accepted by the Commission effective January 1, 2018, in Docket No. ER18-211-000, by delegation letter order dated December 22, 2017.

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 (“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 @ 9/30/2018	=	\$2,954,303
Revenue Credits Forecast	=	\$(10,209,115)
Franchise Fees & Uncollectibles	=	\$(87,181)
Total Retail TRBAA	=	<u>\$(7,341,993)</u>
Less: Uncollectible Adjustment	=	<u>\$(12,624)</u>
Total Wholesale TRBAA	=	<u>\$(7,329,369)</u>

The final 2019 retail and wholesale TRBAA is a revenue credit of approximately \$7.3million. This is roughly \$6.1million less than the 2018 retail and wholesale TRBAA of approximately \$13.4 million.⁴ This difference is due primarily to:

- 1) In the prior year TRBAA filing, the 09/30/17 balance was an over-collection of approximately \$5.4 million. As noted above, the 09/30/18 balance is an under-collection of about \$3.0 million, a difference of \$8.4 million. This difference is a result of the actual revenue credits received through September 2018 from the CAISO being less than the forecasted amount in the prior TRBAA rate filing.
- 2) Additionally, the 2019 net transmission revenue credit forecast is approximately \$2.3 million greater compared to the prior year’s forecast mainly because of an anticipated higher level of wheeling activities for 2019.

To pass through this credit, SDG&E is proposing a 2019 TRBAA rate of (\$0.00039) per kWh, compared to the current rate of (\$0.00070) per kWh.

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 the Commission to 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

⁴ As approved in Docket No. ER18-211-000. See n. 3, *supra*.

reflects the TO5, Cycle 1 BTRR that will go into effect in January 1, 2019,⁵ 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, 2019.

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 rule 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.

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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⁵ SDG&E will submit the TO5, Cycle 1 filing on October 30, 2018. "TO5" refers to SDG&E's fifth Transmission Owner formula rate filed with the FERC. "Cycle 1" refers to the fact the formula rate contemplates annual filings, and that this represents the first such filing under the fifth formula rate.

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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, 2019.

Respectfully submitted,

/s/ E. Gregory Barnes

E. Gregory Barnes

Attorney For

SAN DIEGO GAS & ELECTRIC COMPANY

October 29, 2018

Enclosures

CERTIFICATE OF SERVICE

I hereby certify that on this 29th day of October, 2018, I caused the foregoing to be served by overnight delivery upon the following:

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

Roger Collanton
General Counsel
California Independent System Operator Corporation
250 Outcropping Way
Folsom, CA 95630

Dated at San Diego, California, this 29th day of October, 2018.

/s/ Tamara Grabowski
8330 Century Park Court, CP32D
San Diego, California 92123
Phone: (858) 654-1827

San Diego Gas & Electric Company
2019 TRBAA Filing

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

ER19- _____ - _____

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 (\$0.00039) per kilowatt-hour shall be applied to all SDG&E End-User Customers bills.

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

A:	High Voltage TRBAA	\$ (6,553,821)
B.	Low Voltage TRBAA	<u>(775,548)</u>
C.	Total ISO Wholesale TRBAA:	\$ <u>(7,329,369)</u>

San Diego Gas & Electric Company
2019 TRBAA Filing

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

ER19-____ - ____

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
(\$~~0.000390-00070~~) per kilowatt-hour shall be applied to all SDG&E End-User
Customers bills.

**ISO Wholesale
Transmission Revenue Balancing Account Adjustment
TRBAA
Service Year 201~~9~~⁸**

A:	High Voltage TRBAA	\$ (6,553,821 12,661,050)
B.	Low Voltage TRBAA	(775,548 777,161)
C.	Total ISO Wholesale TRBAA:	\$ (7,329,369 13,438,211)

San Diego Gas & Electric Company
2019 TRBAA Filing

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

ER19- _____ - _____

APPENDIX - I
SDG&E's Transmission Revenue Requirement
Annual TRBAA Rate Filing Per Docket No. ER19- _____-000
Effective January 1, 2019 – December 31, 2019

1. **Wholesale Customers:** For purposes of the CAISO's calculation of Transmission Access Charges:
 - a. The Wholesale Transmission Revenue Requirement shall be **\$885,344,607¹**, which is equal to the Wholesale Base Transmission Revenue Requirement of **\$906,943,404** reduced by the Wholesale TRBAA of **\$7,329,369** and reduced by Standby Transmission Revenue of **\$14,269,428**.
 - b. The High Voltage Transmission Revenue Requirement shall be **\$550,787,720**.
 - c. The Low Voltage Transmission Revenue Requirement shall be **\$334,556,887**.
 - d. Gross Load consistent with the High Voltage Transmission Revenue Requirement shall be **19,057,144** megawatt hours.
2. **Effective Date:** The amounts in (1) shall be effective January 1, 2019, or until amended by the Participating TO or modified by FERC.

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

BTRR TO5-Cycle 1 Informational Filing Docket ER19- -	-	=\$906,943,404
TRBAA per FERC Order in Docket ER19- -000		= (7,329,369)
Standby Revenues TO5-Cycle 1 Informational Filing ER19- -		= <u>(14,269,428)</u>
TOTAL		= <u>\$885,344,607</u>

San Diego Gas & Electric Company
Annual TRBAA Rate Filing
Cost Statements
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San Diego Gas & Electric Company
2019 TRBAA Rate Filing

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

ER19-____ - ____

San Diego Gas & Electric Company

Attachment – D (Cont'd)

A. Statement BD - Allocation Energy and Supporting Data

ER19- _____ - _____

Statement BD
San Diego Gas & Electric Company
2019 - 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	Retail Energy Sales @ Meter Level Net of Sale for Resale		Sale for Resale (City of Escondido) ¹	Retail Energy Sales @ Meter Level Net of Sale for Resale		
1	Oct-17	1,616,460,553	1,616,436,225	24,328	1,616,436,225	Workpaper No. 1; Page 1.1; Lines 30; 29	1	
2	Nov-17	1,547,877,183	1,547,866,217	10,966	1,547,866,217	Workpaper No. 1; Page 1.1; Lines 30; 29	2	
3	Dec-17	1,547,102,713	1,547,092,891	9,822	1,547,092,891	Workpaper No. 1; Page 1.1; Lines 30; 29	3	
4	Jan-18	1,536,307,324	1,536,298,088	9,236	1,536,298,088	Workpaper No. 1; Page 1.1; Lines 30; 29	4	
5	Feb-18	1,366,497,634	1,366,497,634	-	1,366,497,634	Workpaper No. 1; Page 1.1; Lines 30; 29	5	
6	Mar-18	1,448,559,840	1,448,541,751	18,089	1,448,541,751	Workpaper No. 1; Page 1.1; Lines 30; 29	6	
7	Apr-18	1,356,605,099	1,356,597,922	7,177	1,356,597,922	Workpaper No. 1; Page 1.1; Lines 30; 29	7	
8	May-18	1,384,094,183	1,384,081,342	12,841	1,384,081,342	Workpaper No. 1; Page 1.1; Lines 30; 29	8	
9	Jun-18	1,579,596,521	1,579,582,958	13,563	1,579,582,958	Workpaper No. 1; Page 1.1; Lines 30; 29	9	
10	Jul-18	1,657,708,041	1,657,693,492	14,549	1,657,693,492	Workpaper No. 1; Page 1.1; Lines 30; 29	10	
11	Aug-18	1,951,442,937	1,951,425,455	17,482	1,951,425,455	Workpaper No. 1; Page 1.1; Lines 30; 29	11	
12	Sep-18	1,892,223,404	1,892,207,665	15,739	1,892,207,665	Workpaper No. 1; Page 1.1; Lines 30; 29	12	
13							13	
14							14	
15	Total	18,884,475,432	18,884,321,640	153,792	18,884,321,640	Sum Lines 1 thru 12	15	

¹ 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
2019 - 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	Retail Energy Sales @ Meter Level Net of Sale for Resale		Sale for Resale (City of Escondido) ¹	Retail Energy Sales @ Meter Level Net of Sale for Resale		
1	Jan-19	1,518,301,000	1,518,288,184	12,816	1,518,288,184	Workpaper No. 1; Page 1.2; Lines 30; 29	1	
2	Feb-19	1,407,896,814	1,407,883,998	12,816	1,407,883,998	Workpaper No. 1; Page 1.2; Lines 30; 29	2	
3	Mar-19	1,378,723,733	1,378,710,917	12,816	1,378,710,917	Workpaper No. 1; Page 1.2; Lines 30; 29	3	
4	Apr-19	1,359,704,385	1,359,691,569	12,816	1,359,691,569	Workpaper No. 1; Page 1.2; Lines 30; 29	4	
5	May-19	1,385,016,787	1,385,003,971	12,816	1,385,003,971	Workpaper No. 1; Page 1.2; Lines 30; 29	5	
6	Jun-19	1,463,398,825	1,463,386,009	12,816	1,463,386,009	Workpaper No. 1; Page 1.2; Lines 30; 29	6	
7	Jul-19	1,623,547,258	1,623,534,442	12,816	1,623,534,442	Workpaper No. 1; Page 1.2; Lines 30; 29	7	
8	Aug-19	1,653,310,761	1,653,297,945	12,816	1,653,297,945	Workpaper No. 1; Page 1.2; Lines 30; 29	8	
9	Sep-19	1,815,710,244	1,815,697,428	12,816	1,815,697,428	Workpaper No. 1; Page 1.2; Lines 30; 29	9	
10	Oct-19	1,620,963,171	1,620,950,355	12,816	1,620,950,355	Workpaper No. 1; Page 1.2; Lines 30; 29	10	
11	Nov-19	1,483,853,729	1,483,840,913	12,816	1,483,840,913	Workpaper No. 1; Page 1.2; Lines 30; 29	11	
12	Dec-19	1,500,447,347	1,500,434,531	12,816	1,500,434,531	Workpaper No. 1; Page 1.2; Lines 30; 29	12	
13							13	
14							14	
15	Total	18,210,874,054	18,210,720,262	153,792	18,210,720,262	Sum Lines 1 thru 12	15	

¹ 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
2019 - TRBAA Rate Filing
January 2019 - December 2019 ¹
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 @ Transmission Level	Reference	Line No.
1	Jan-19	1,518,301	13	1,518,288	1,580,993	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	1
2	Feb-19	1,407,897	13	1,407,884	1,466,030	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	2
3	Mar-19	1,378,724	13	1,378,711	1,435,652	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	3
4	Apr-19	1,359,704	13	1,359,692	1,415,847	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	4
5	May-19	1,385,017	13	1,385,004	1,442,205	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	5
6	Jun-19	1,463,399	13	1,463,386	1,523,824	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	6
7	Jul-19	1,623,547	13	1,623,534	1,690,586	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	7
8	Aug-19	1,653,311	13	1,653,298	1,721,579	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	8
9	Sep-19	1,815,710	13	1,815,697	1,890,686	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	9
10	Oct-19	1,620,963	13	1,620,950	1,687,896	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	10
11	Nov-19	1,483,854	13	1,483,841	1,545,124	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	11
12	Dec-19	1,500,447	13	1,500,435	1,562,402	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	12
13							13
14	Total	18,210,874	154	18,210,720	18,962,823	Sum Lines 1 thru 12	14
15							15
16	Retail Sales Forecast @ Meter Level			18,210,720		Col. C; Line 14	16
17							17
18	Transmission Loss Factor ²		39,967,767	1.0413		Column B / Column A	18
19		38,381,220					19
20							20
21	Retail Sales Forecast @ Transmission Level				18,962,823	Col. D; Line 14	21
22							22
23	Lake Hodges Pumped Storage Facilities ³				50,469	Statement BD WP; Page 4 of 5	23
24							24
25	Pumped Storage True Up Adjustment				43,851	Statement BD WP; Page 5 of 5	25
26							26
27	Total Gross Load Forecast				19,057,144	Sum Lines 22 thru 26	27
28							28

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

² Per Cost Statement BB; Page 1; Line 22 filed in the TO5-Cycle 1 on October 30, 2018.

³ The 1.04130 factor is used to convert the retail sales forecast at meter level up to the transmission level.

³ Energy used for pumping at the Lake Hodges Pumped Storage Facility is measured at 69kV and gets adjusted by a distribution loss factor to derive the Gross Load forecast.

Statement BD
SAN DIEGO GAS AND ELECTRIC COMPANY
Allocation Energy and Supporting Data
Forecast Period January 2019 - December 2019
MWH SALES FORECAST @ Transmission Level

2019 (MWh)	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Lake Hodges Pumping Load	5,160	5,680	4,130	4,790	3,860	2,250	2,120	3,100	3,040	4,020	6,200	5,570	49,920

Primary Level Distribution Loss Factor 1.0110

Total Lake Hodges Pumping Load 50,469

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, 2017

Line No.	Description	Amount	Reference	Line No.
1	Pumped Storage Facility - Actual Load	81,194		1
2	Pumped Storage Facility - Forecast Load	<u>37,820</u>		2
3	Difference	43,374	Line 1 Minus Line 2	3
4	Primary Level Distribution Loss Factor	<u>1.0110</u>		4
5	Pumped Storage - True Up Adjustment ¹	43,851	Line 3 x Line 4	5

¹ 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

ER19- _____ - _____

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, 2019

Line No.	Customer Classes	(A)	(B)	(C) = (A) - (B)	(D) = (C) / (B)	Reference	Line No.
		(Statement BG) 2019 TRBAA Revenues @ Changed Rates	(Statement BH) 2019 TRBAA Revenues @ Present Rates ¹	(\$ Change)	(%) Change		
1	Residential Customers	\$ (2,380,935)	\$ (4,273,474)	\$ 1,892,538	-44.29%	Statement BG; Page 2 of 4; Line 14	1
2						Statement BH; Page 1 of 3; Line 14	2
3	Small Commercial Customers	(882,354)	(1,583,713)	701,358	-44.29%	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	(3,681,859)	(6,608,465)	2,926,606	-44.29%	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)	(37,349)	(67,037)	29,688	-44.29%	Statement BG; Page 2 of 4; Line 20	7
8						Statement BH; Page 1 of 3; Line 20	8
9	Agriculture (PA-T-1)	(88,488)	(158,824)	70,336	-44.29%	Statement BG; Page 2 of 4; Line 22	9
10						Statement BH; Page 1 of 3; Line 22	10
11	Street Lighting Customers	(31,195)	(55,991)	24,796	-44.29%	Statement BG; Page 2 of 4; Line 24	11
12						Statement BH; Page 1 of 3; Line 24	12
13							13
14	Grand Total	\$ (7,102,181)	\$ (12,747,504)	\$ 5,645,323	-44.29%	Sum Lines 1 through 11	14

¹ Present rates are defined as rates effective pursuant to ER 18-211.

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, 2019

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.
		Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19		
1	Residential ¹	\$ (229,883)	\$ (194,235)	\$ (182,897)	\$ (164,615)	\$ (164,535)	\$ (174,158)		1
2									2
3	Small Commercial ²	(70,800)	(68,114)	(67,685)	(66,011)	(68,786)	(73,055)		3
4									4
5	Medium and Large Commercial/Industrial ³	(280,745)	(275,914)	(276,134)	(287,731)	(293,978)	(309,031)		5
6									6
7	Agriculture (PA and TOU-PA) ⁴	(2,158)	(2,364)	(2,245)	(2,672)	(3,002)	(3,587)		7
8									8
9	Agriculture (PA-T-1) ⁵	(5,842)	(5,863)	(6,148)	(6,725)	(7,305)	(8,260)		9
10									10
11	Street Lighting ⁶	(2,705)	(2,584)	(2,589)	(2,527)	(2,545)	(2,630)		11
12									12
13	TOTAL	\$ (592,132)	\$ (549,075)	\$ (537,697)	\$ (530,280)	\$ (540,152)	\$ (570,721)		13

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.
		Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19		
14	Residential ¹	\$ (203,544)	\$ (217,206)	\$ (245,597)	\$ (210,425)	\$ (185,581)	\$ (208,260)	\$ (2,380,935)	14
15									15
16	Small Commercial ²	(80,159)	(80,777)	(86,825)	(78,675)	(71,508)	(69,958)	(882,354)	16
17									17
18	Medium and Large Commercial/Industrial ³	(333,875)	(331,791)	(359,818)	(328,829)	(308,514)	(295,497)	(3,681,859)	18
19									19
20	Agriculture (PA and TOU-PA) ⁴	(3,998)	(3,914)	(4,092)	(3,593)	(3,194)	(2,531)	(37,349)	20
21									21
22	Agriculture (PA-T-1) ⁵	(8,941)	(8,566)	(9,139)	(8,099)	(7,331)	(6,269)	(88,488)	22
23									23
24	Street Lighting ⁶	(2,661)	(2,531)	(2,651)	(2,548)	(2,569)	(2,655)	(31,195)	24
25									25
26	TOTAL	\$ (633,178)	\$ (644,786)	\$ (708,122)	\$ (632,171)	\$ (578,698)	\$ (585,169)	\$ (7,102,181)	26

¹ See Stmt BG pages 3 of 4 and 4 of 4, Line 23.

² See Stmt BG pages 3 of 4 and 4 of 4, Line 25.

³ See Stmt BG pages 3 of 4 and 4 of 4, Line 27.

⁴ See Stmt BG pages 3 of 4 and 4 of 4, Line 29.

⁵ See Stmt BG pages 3 of 4 and 4 of 4, Line 31.

⁶ 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, 2019

Line No.	(A) Jan-19 Energy (kWh)	(B) Feb-19 Energy (kWh)	(C) Mar-19 Energy (kWh)	(D) Apr-19 Energy (kWh)	(E) May-19 Energy (kWh)	(F) Jun-19 Energy (kWh)	(G) Reference	Line No.
1	589,442,818	498,039,394	468,966,460	422,088,538	421,884,409	446,558,824	Worksheet No. 1; Page 1.2; Line 23	1
2	181,537,590	174,651,504	173,551,399	169,258,161	176,375,498	187,320,885	Worksheet No. 1; Page 1.2; Line 24	2
3	719,858,720	707,472,400	708,036,071	737,772,971	753,790,400	792,387,691	Worksheet No. 1; Page 1.2; Line 25	3
4	5,533,302	6,060,260	5,756,300	6,850,316	7,696,254	9,196,454	Worksheet No. 1; Page 1.2; Line 26	4
5	14,979,454	15,033,835	15,762,943	17,242,782	18,731,425	21,178,612	Worksheet No. 1; Page 1.2; Line 27	5
6	6,936,300	6,626,605	6,637,744	6,478,801	6,525,985	6,743,543	Worksheet No. 1; Page 1.2; Line 28	6
7	1,518,288,184	1,407,883,998	1,378,710,917	1,359,691,569	1,385,003,971	1,463,386,009	Sum Lines 1 thru 11	7
8								8
9								9
10								10
11								11
12								12
13								13
14								14
15								15
16								16
17								17
18								18
19								19
20								20
21								21
22								22
23								23
24								24
25								25
26								26
27								27
28								28
29								29
30								30
31								31
32								32
33								33
34								34
35								35
1	Residential Customers							
2	Small Commercial							
3	Medium and Large Commercial/Industrial							
4	Agriculture (PA and TOU-PA)							
5	Agriculture (PA-T-1)							
6	Street Lighting							
7	TOTAL							
17	Retail TRBAA Rate (\$/kWh) @ Changed Rate							
20	Revenues @ Changed Rates							
21	Revenues @ Changed Rates							
22	Revenues @ Changed Rates							
23	Revenues @ Changed Rates							
24	Revenues @ Changed Rates							
25	Revenues @ Changed Rates							
26	Revenues @ Changed Rates							
27	Revenues @ Changed Rates							
28	Revenues @ Changed Rates							
29	Revenues @ Changed Rates							
30	Revenues @ Changed Rates							
31	Revenues @ Changed Rates							
32	Revenues @ Changed Rates							
33	Revenues @ Changed Rates							
34	Revenues @ Changed Rates							
35	Revenues @ Changed Rates							

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, 2019

Line No.	Customer Classes	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	Line No.
		Jul-19 Energy (kWh)	Aug-19 Energy (kWh)	Sep-19 Energy (kWh)	Oct-19 Energy (kWh)	Nov-19 Energy (kWh)	Dec-19 Energy (kWh)	Total Energy (kWh)	Reference	
1	Residential Customers	521,908,767	556,939,676	629,734,825	539,552,481	475,847,516	533,998,804	6,104,962,512	Worksheet No. 1; Page 1.2; Line 23	1
2										2
3	Small Commercial	205,536,482	207,120,271	222,629,026	201,731,872	183,354,798	179,379,118	2,262,446,604	Worksheet No. 1; Page 1.2; Line 24	3
4										4
5	Medium and Large Commercial/Industrial	856,088,723	850,747,427	922,610,270	843,152,515	791,062,488	757,685,190	9,440,664,866	Worksheet No. 1; Page 1.2; Line 25	5
6										6
7	Agriculture (PA and TOU-PA)	10,251,269	10,036,561	10,493,000	9,213,457	8,190,235	6,489,977	95,767,385	Worksheet No. 1; Page 1.2; Line 26	7
8										8
9	Agriculture (PA-T-1)	22,926,046	21,963,060	23,433,453	20,767,536	18,798,470	16,074,224	226,891,840	Worksheet No. 1; Page 1.2; Line 27	9
10										10
11	Street Lighting	6,823,155	6,490,950	6,796,854	6,532,494	6,587,406	6,807,218	79,987,055	Worksheet No. 1; Page 1.2; Line 28	11
12										12
13	TOTAL	1,623,534,442	1,653,297,945	1,815,697,428	1,620,950,355	1,483,840,913	1,500,434,531	18,210,720,262	Sum Lines 1 thru 11	13
14										14
15										15
16										16
17										17
18	Retail TRBAA Rate (\$/kWh) @ Changed Rate	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	\$ (0.00039)	Statement BL; Page 1; Line 27	18
19										19
20										20
21										21
22										22
23	Residential Customers	\$ (203,544)	\$ (217,206)	\$ (245,597)	\$ (210,425)	\$ (185,581)	\$ (208,260)	\$ (2,380,935)	Line 1 x Line 18	23
24										24
25	Small Commercial	(80,159)	(80,777)	(86,825)	(78,675)	(71,508)	(69,958)	(882,354)	Line 3 x Line 18	25
26										26
27	Medium and Large Commercial/Industrial	(333,875)	(331,791)	(359,818)	(328,829)	(308,514)	(295,497)	(3,681,859)	Line 5 x Line 18	27
28										28
29	Agriculture (PA and TOU-PA)	(3,998)	(3,914)	(4,092)	(3,593)	(3,194)	(2,531)	(37,349)	Line 7 x Line 18	29
30										30
31	Agriculture (PA-T-1)	(8,941)	(8,566)	(9,139)	(8,099)	(7,331)	(6,269)	(88,488)	Line 9 x Line 18	31
32										32
33	Street Lighting	(2,661)	(2,531)	(2,651)	(2,548)	(2,569)	(2,655)	(31,195)	Line 11 x Line 18	33
34										34
35	TOTAL	\$ (633,178)	\$ (644,786)	\$ (708,122)	\$ (632,171)	\$ (578,698)	\$ (585,169)	\$ (7,102,181)	Sum Lines 23 through 33	35

San Diego Gas & Electric Company

Attachment – D (Cont'd)

C. Statement BH - Revenue Data to Reflect Present Rates

ER19-_____-000

Statement BH
SAN DIEGO GAS & ELECTRIC COMPANY
Transmission Revenue Balancing Account Adjustment (TRBAA) Revenue Data To Reflect Present Rates per ER18-211
Rate Effective Period - Twelve Months Ending December 31, 2019

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.
		Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	(G)	
1	Residential ¹	\$ (412,610)	\$ (348,628)	\$ (328,277)	\$ (295,462)	\$ (295,319)	\$ (312,591)		1
2									2
3	Small Commercial ²	(127,076)	(122,256)	(121,486)	(118,481)	(123,463)	(131,125)		3
4									4
5	Medium and Large Commercial/Industrial ³	(503,901)	(495,231)	(495,625)	(516,441)	(527,653)	(554,671)		5
6									6
7	Agriculture (PA and TOU-PA) ⁴	(3,873)	(4,242)	(4,029)	(4,795)	(5,387)	(6,438)		7
8									8
9	Agriculture (PA-T-1) ⁵	(10,486)	(10,524)	(11,034)	(12,070)	(13,112)	(14,825)		9
10									10
11	Street Lighting ⁶	(4,855)	(4,639)	(4,646)	(4,535)	(4,568)	(4,720)		11
12									12
13	TOTAL	\$ (1,062,802)	\$ (985,519)	\$ (965,098)	\$ (951,784)	\$ (969,503)	\$ (1,024,370)		13

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.
		Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	(G)	
14	Residential ¹	\$ (365,336)	\$ (389,858)	\$ (440,814)	\$ (377,687)	\$ (333,093)	\$ (373,799)	\$ (4,273,474)	14
15									15
16	Small Commercial ²	(143,876)	(144,984)	(155,840)	(141,212)	(128,348)	(125,565)	(1,583,713)	16
17									17
18	Medium and Large Commercial/Industrial ³	(599,262)	(595,523)	(645,827)	(590,207)	(553,744)	(530,380)	(6,608,465)	18
19									19
20	Agriculture (PA and TOU-PA) ⁴	(7,176)	(7,026)	(7,345)	(6,449)	(5,733)	(4,543)	(67,037)	20
21									21
22	Agriculture (PA-T-1) ⁵	(16,048)	(15,374)	(16,403)	(14,537)	(13,159)	(11,252)	(158,824)	22
23									23
24	Street Lighting ⁶	(4,776)	(4,544)	(4,758)	(4,573)	(4,611)	(4,765)	(55,991)	24
25									25
26	TOTAL	\$ (1,136,474)	\$ (1,157,309)	\$ (1,270,988)	\$ (1,134,665)	\$ (1,038,689)	\$ (1,050,304)	\$ (12,747,504)	26

¹ See Stmt BH pages 2 of 3 and 3 of 3, Line 23.
² See Stmt BH pages 2 of 3 and 3 of 3, Line 25.
³ See Stmt BH pages 2 of 3 and 3 of 3, Line 27.
⁴ See Stmt BH pages 2 of 3 and 3 of 3, Line 29.
⁵ See Stmt BH pages 2 of 3 and 3 of 3, Line 31.
⁶ 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 ER18-211
Rate Effective Period - Twelve Months Ending December 31, 2019

Line No.	Customer Classes	(A) Jan-19 Energy (kWh)	(B) Feb-19 Energy (kWh)	(C) Mar-19 Energy (kWh)	(D) Apr-19 Energy (kWh)	(E) May-19 Energy (kWh)	(F) Jun-19 Energy (kWh)	(F) Reference	Line No.
1	Residential Customers	589,442,818	498,039,394	468,966,460	422,088,538	421,884,409	446,558,824	Workpaper No. 1; Page 1.2; Line 23	1
2									2
3	Small Commercial	181,537,590	174,651,504	173,551,399	169,258,161	176,375,498	187,320,885	Workpaper No. 1; Page 1.2; Line 24	3
4									4
5	Medium and Large Commercial/Industrial	719,858,720	707,472,400	708,036,071	737,772,971	753,790,400	792,387,691	Workpaper No. 1; Page 1.2; Line 25	5
6									6
7	Agriculture (PA and TOU-PA)	5,533,302	6,060,260	5,756,300	6,850,316	7,696,254	9,196,454	Workpaper No. 1; Page 1.2; Line 26	7
8									8
9	Agriculture (PA-T-1)	14,979,454	15,033,835	15,762,943	17,242,782	18,731,425	21,178,612	Workpaper No. 1; Page 1.2; Line 27	9
10									10
11	Street Lighting	6,936,300	6,626,605	6,637,744	6,478,801	6,525,985	6,743,543	Workpaper No. 1; Page 1.2; Line 28	11
12									12
13	TOTAL	1,518,288,184	1,407,883,998	1,378,710,917	1,359,691,569	1,385,003,971	1,463,386,009	Sum Lines 1 thru 11	13
14									14
15									15
16									16
17									17
18	Retail TRBAA Rate (\$/kWh) @ Present Rate	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	Statement BL-Retail; Page 1; Line 27	18
19								FERC Docket No. ER18-211-000	19
20									20
21									21
22									22
23	Residential Customers	\$ (412,610)	\$ (348,628)	\$ (328,277)	\$ (295,462)	\$ (295,319)	\$ (312,591)	Line 1 x Line 18	23
24									24
25	Small Commercial	(127,076)	(122,256)	(121,486)	(118,481)	(123,463)	(131,125)	Line 3 x Line 18	25
26									26
27	Medium and Large Commercial/Industrial	(503,901)	(495,231)	(495,625)	(516,441)	(527,653)	(554,671)	Line 5 x Line 18	27
28									28
29	Agriculture (PA and TOU-PA)	(3,873)	(4,242)	(4,029)	(4,795)	(5,387)	(6,438)	Line 7 x Line 18	29
30									30
31	Agriculture (PA-T-1)	(10,486)	(10,524)	(11,034)	(12,070)	(13,112)	(14,825)	Line 9 x Line 18	31
32									32
33	Street Lighting	(4,855)	(4,639)	(4,646)	(4,535)	(4,568)	(4,720)	Line 11 x Line 18	33
34									34
35	TOTAL	\$ (1,062,802)	\$ (985,519)	\$ (965,098)	\$ (951,784)	\$ (969,503)	\$ (1,024,370)	Sum Lines 23 through 33	35

Statement BH
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Revenue Balancing Account Adjustment (TRBAA) Revenue Data To Reflect Present Rates per ER18-211
Rate Effective Period - Twelve Months Ending December 31, 2019

Line No.	Customer Classes	(M)												Line No.
		(G)	(H)	(I)	(J)	(K)	(L)	(M)	Reference					
		Jul-19 Energy (kWh)	Aug-19 Energy (kWh)	Sep-19 Energy (kWh)	Oct-19 Energy (kWh)	Nov-19 Energy (kWh)	Dec-19 Energy (kWh)	Total Energy (kWh)						
1	Residential Customers	521,908,767	556,939,676	629,734,825	539,552,481	475,847,516	533,998,804	6,104,962,512	Workpaper No. 1; Page 1.2; Line 23					1
2														2
3	Small Commercial	205,536,482	207,120,271	222,629,026	201,731,872	183,354,798	179,379,118	2,262,446,604	Workpaper No. 1; Page 1.2; Line 24					3
4														4
5	Medium and Large Commercial/Industrial	856,088,723	850,747,427	922,610,270	843,152,515	791,062,488	757,685,190	9,440,664,866	Workpaper No. 1; Page 1.2; Line 25					5
6														6
7	Agriculture (PA and TOU-PA)	10,251,269	10,036,561	10,493,000	9,213,457	8,190,235	6,489,977	95,767,385	Workpaper No. 1; Page 1.2; Line 26					7
8														8
9	Agriculture (PA-T-1)	22,926,046	21,963,060	23,433,453	20,767,536	18,798,470	16,074,224	226,891,840	Workpaper No. 1; Page 1.2; Line 27					9
10														10
11	Street Lighting	6,823,155	6,490,950	6,796,854	6,532,494	6,587,406	6,807,218	79,987,055	Workpaper No. 1; Page 1.2; Line 28					11
12														12
13	TOTAL	1,623,534,442	1,653,297,945	1,815,697,428	1,620,950,355	1,483,840,913	1,500,434,531	18,210,720,262	Sum Lines 1 thru 11					13
14														14
15														15
16														16
17	Retail TRBAA Rate (\$/kWh) @ Present Rate	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)		Statement BL-Retail; Page 1; Line 27 FERC Docket No. ER18-211-000					17
18														18
19														19
20														20
21														21
22	Residential Customers	\$ (365,336)	\$ (389,858)	\$ (440,814)	\$ (377,687)	\$ (333,093)	\$ (373,799)	\$ (4,273,474)	Line 1 x Line 18					22
23														23
24	Small Commercial	(143,876)	(144,984)	(155,840)	(141,212)	(128,348)	(125,565)	(1,583,713)	Line 3 x Line 18					24
25														25
26	Medium and Large Commercial/Industrial	(599,262)	(595,523)	(645,827)	(590,207)	(553,744)	(530,380)	(6,608,465)	Line 5 x Line 18					26
27														27
28	Agriculture (PA and TOU-PA)	(7,176)	(7,026)	(7,345)	(6,449)	(5,733)	(4,543)	(67,037)	Line 7 x Line 18					28
29														29
30	Agriculture (PA-T-1)	(16,048)	(15,374)	(16,403)	(14,537)	(13,159)	(11,252)	(158,824)	Line 9 x Line 18					30
31														31
32	Street Lighting	(4,776)	(4,544)	(4,758)	(4,573)	(4,611)	(4,765)	(55,991)	Line 11 x Line 18					32
33														33
34	TOTAL	\$ (1,136,474)	\$ (1,157,309)	\$ (1,270,988)	\$ (1,134,665)	\$ (1,038,689)	\$ (1,050,304)	\$ (12,747,504)	Sum Lines 23 through 33					34
35														35

San Diego Gas & Electric Company

Attachment – D (Cont'd)

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

ER19-_____-000

Statement BK-1
San Diego Gas & Electric Company
2019 - 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 @ 9/30/2018	\$ 2,954,303	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	(8,762,929)	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	(314,960)	Work paper No. 9; Page 9.1; Line 27	9
10				10
11	Other PTO Related Revenue (Credits)/Charges	(1,143,225)	Work paper No. 11; Page 11.1; Line 27	11
12				12
13	Total Transmission Revenue Credits Forecast	\$ (10,209,115)	Sum {Line 5 thru Line 11}	13
14				14
15	Total TRBAA Before Franchise Fees and Uncollectibles	\$ (7,254,812)	Line 1 + Line 13	15
16				16
17	Franchise Fees Expense @ 1.0277%	(74,558)	Line 15 x 1.0277%	17
18				18
19	Uncollectibles @ 0.1740 %	(12,623)	Line 15 x 0.1740%	19
20				20
21	Total Franchise Fees and Uncollectible	(87,181)	Line 17 + Line 19	21
22				22
23	Total Retail TRBAA Forecast Including FF&U	\$ (7,341,993)	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)

ER19-_____-000

Statement BK-2
San Diego Gas & Electric Company
2019 - 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 Transmission Revenue Requirements		
1	Wholesale Base Transmission Revenue Requirement ¹	\$ 566,250,667	\$ 340,692,737	\$ 906,943,404	See Note 1	1
2						2
3	Beginning TRBAA Balance @ 9/30/2018	2,641,697	312,606	2,954,303	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	(8,762,929)	-	(8,762,929)	Work paper No. 6; Page 6.1; Line 19	7
8						8
9	Settlements, Metering and Client Relations	7,501	4,499	12,000	Work paper No. 6; Page 6.1; Line 26	9
10						10
11	ETC Cost Differentials	(196,873)	(118,088)	(314,960)	Work paper No. 6; Page 6.1; Line 32	11
12						12
13	Other PTO Related Revenue (Credits)/Charges	(176,549)	(966,676)	(1,143,225)	Work paper No. 6; Page 6.1; Line 42	13
14						14
15	Total Transmission Revenue Credits Forecast	(9,128,850)	(1,080,265)	(10,209,115)	Sum {Line 7 through Line 13}	15
16						16
17	Total Wholesale TRBAA Before Franchise Fees	(6,487,153)	(767,659)	(7,254,812)	Line 3 + Line 15	17
18						18
19	Franchise Fees Expense @ 1.0277%	(66,668)	(7,889)	(74,558)	Line 17 x 1.0277%	19
20						20
21	Total Wholesale TRBAA Forecast Including Franchise Fees	(6,553,821)	(775,548)	(7,329,369)	Line 17 + Line 19	21
22						22
23	Transmission Standby Revenues ²	(8,909,126)	(5,360,302)	(14,269,428)	Work paper No. 3; Page 3.1; Line 7	23
24						24
25	Wholesale Transmission Revenue Requirement	\$ 550,787,720	\$ 334,556,887	\$ 885,344,607	Line 1 + Line 21 + Line 23	25

¹ Per anticipated Statement BK2-Wholesale Base TRR information from SDG&E's Informational Filing in TO5-Cycle 1 filed with the FERC on October 30, 2018.

² Per anticipated Standby Revenue amount of \$14,269,428 from Cost Statement BG; Page 1; Column A; Line 23 filed in TO5 Cycle 1 on October 30, 2018.

San Diego Gas & Electric Company

Attachment – D (Cont'd)

F. Statement – BL Retail TRBAA Rate Calculation

ER19-_____-000

Statement BL
San Diego Gas & Electric Company
2019 - TRBAA Rate Filing
Retail TRBAA Rate Calculation

Line No.	Components	Total Retail - TRBAA	Reference	Line No.
1	Beginning TRBAA Balance @ 9/30/2018	\$ 2,954,303	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	(8,762,929)	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	(314,960)	Work paper No. 9; Page 9.1; Line 27	9
10				10
11	Other PTO Related Revenue (Credits)/Charges	(1,143,225)	Work paper No. 11; Page 11.1; Line 27	11
12				12
13	Total Transmission Revenue Credits Forecast	(10,209,115)	Sum {Line 5 through Line 11}	13
14				14
15	Total TRBAA Before Franchise Fees and Uncollectibles	\$ (7,254,812)	Line 1 + Line 13	15
16				16
17	Franchise Fees Expense @ 1.0277%	(74,558)	Line 15 x 1.0277%	17
18				18
19	Uncollectibles @ 0.1740 %	(12,623)	Line 15 x 0.1740%	19
20				20
21	Total Franchise Fees and Uncollectible	(87,181)	Line 17 + Line 19	21
22				22
23	Total Retail TRBAA Forecast Including FF&U	\$ (7,341,993)	Line 15 + Line 21	23
24				24
25	12 Months kWh Ending September 30, 2018	18,884,321,640	Statement BD; Pg. 1 of 4; Col. C; Ln. 15	25
26				26
27	Retail TRBAA Rate (\$/kWh)	\$ (0.00039)	Line 23 / Line 25	27

San Diego Gas & Electric Company

Attachment – D (Cont'd)

G. Statement – BL Wholesale TRBAA Rate Calculation

ER19-_____-000

Statement BL
San Diego Gas & Electric Company
2019 - TRBAA Rate Filing
2019 - 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	Total High Voltage TRR	Combined TRR		
1	Wholesale Base Transmission Revenue Requirement ¹	\$ 566,250,667	\$ 340,692,737	\$	906,943,404	See Note 1	1
2							2
3	Total Wholesale TRBAA ²	(6,553,821)	(775,548)		(7,329,369)	Statement BK-2; Page 1; Line 23	3
4							4
5	Transmission Standby Revenue ³	(8,909,126)	(5,360,302)		(14,269,428)	See Note 3	5
6							6
7	Wholesale Transmission Revenue Requirements	\$ 550,787,720	\$ 334,556,887	\$	885,344,607	Sum (Lines 1, 3, & 5)	7
8							8
9	Gross Load - MWh	19,057,144	19,057,144		19,057,144	Statement BD; Page 3 of 5; Line 28; Col. D	9
10							10
11	Utility Specific Access Charges (\$/MWh)	\$ 28,9019	\$ 17,5555	\$	46,4574	Line 7 / Line 9	11

NOTES:

- ¹ Per anticipated Statement BK2- Wholesale Base TRR information from SDG&E's Informational Filing in TO5-Cycle 1 filed with the FERC on October 30, 2018.
- ² The Wholesale TRBAA amount comes from the instant filing, in Statement BK-2; Page 1; Line 23
- ³ Per anticipated Standby Revenue amount of \$14,269,428 from Cost Statement BG; Page 1; Column A; Line 23 filed in TO5 Cycle 1 on October 30, 2018.

San Diego Gas & Electric Company

Attachment – D (Cont'd) H. TRBAA Work Papers

ER19-____-000

Work Paper - 1
Recorded Sales and Forecast Sales
Information

**San Diego Gas & Electric Co.
Recorded Billing Determinants for the 12-Month Period: October 2017 - September 2018**

Line No.	System Delivery Determinants	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Total
1	Customer Class Deliveries (MWh)													
2	Residential	535,689	521,745	524,729	568,925	486,775	485,494	432,992	432,483	446,253	573,680	771,224	661,020	6,441,009
3	Small Commercial	189,755	177,714	176,758	175,439	168,191	175,099	167,032	169,139	179,631	196,852	210,988	209,335	2,195,933
4	Med. & Large Comm./Ind.	849,853	811,358	808,537	761,672	682,869	758,633	736,474	750,423	902,538	857,660	923,247	980,441	9,823,705
5	Agriculture (PA)	10,030	9,469	8,800	7,748	7,276	6,065	6,694	8,943	9,712	10,963	11,424	11,967	109,091
6	Agriculture (PA-T-1)	23,898	20,341	20,952	15,368	12,332	19,206	36,111	15,930	20,986	36,111	30,605	228,352	228,352
7	Lighting	7,212	7,239	7,318	7,146	9,055	4,045	10,399	7,163	5,337	8,921	3,937	8,459	86,231
8	Sale for Resale	24.3	11.0	9.8	9.2	0.0	18.1	7.2	12.8	13.6	14.5	17.5	15.7	15.7
9	Total System	1,616,461	1,547,877	1,547,103	1,536,307	1,366,498	1,448,560	1,356,605	1,384,094	1,579,597	1,657,708	1,951,443	1,892,223	18,884,475
10														
11	Total System - EXCLUDING Sale for Resale	1,616,436	1,547,866	1,547,093	1,536,298	1,366,498	1,448,542	1,356,598	1,384,081	1,579,583	1,657,693	1,951,425	1,892,208	18,884,322
12														
13														
14	INPUT FROM RECORDED SALES FILE:													
15	Medium & Large Details - Deliveries in MWh:													
16	Med & Large C/I (AD)	2,836	2,545	2,375	2,301	1,796	2,785	2,273	2,366	2,392	117	0	0	21,787
17	Med & Large C/I (AL+AY+DGR)	780,038	751,725	757,263	696,380	623,320	692,024	673,352	707,575	809,088	786,965	855,153	907,259	9,040,140
18	Med & Large C/I (A6)	66,979	57,088	48,899	62,990	57,753	63,824	60,849	40,483	91,058	70,578	68,095	73,182	761,777
19	Total	849,853	811,358	808,537	761,672	682,869	758,633	736,474	750,423	902,538	857,660	923,247	980,441	9,823,705
20														

Line No.	System Delivery Determinants	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Total
21	Customer Class Deliveries (MWh)													
22	Residential	535,689	521,745	524,729	568,925	486,775	485,494	432,992	432,483	446,253	573,680	771,224	661,019,618	6,441,008,906
23	Small Commercial	189,754	177,714	176,757	175,438	168,190	175,098	167,032	169,138	179,631	196,852	210,987	209,335	2,195,933,335
24	Med. & Large Comm./Ind.	849,853	811,357	808,536	761,671	682,868	758,632	736,473	750,423	902,538	857,660	923,247	980,440	9,823,704,995
25	Agriculture (PA)	10,029	9,468	8,799	7,748	7,276	6,065	6,693	8,943	9,711	10,962	11,424	11,966	109,090,867
26	Agriculture (PA-T-1)	23,898	20,340	20,951	15,367	12,331	19,205	36,111	15,930	20,985	36,111	30,605	228,352	228,352,143
27	Lighting	7,211	7,239	7,318	7,146	9,055	4,045	10,398	7,162	5,337	8,921	3,937	8,459	86,231,394
28	Sale for Resale	24,328	10,966	9,822	9,236	0	18,089	7,177	12,841	13,563	14,549	17,482	15,739	153,792
29	Total System	1,616,460	1,547,877	1,547,102	1,536,307	1,366,497	1,448,559	1,356,605	1,384,094	1,579,596	1,657,708	1,951,442	1,892,223	18,884,475,432
30														
31	Total System - EXCLUDING Sale for Resale	1,616,436	1,547,866	1,547,092	1,536,298	1,366,497	1,448,541	1,356,597	1,384,081	1,579,582	1,657,693	1,951,425	1,892,207	18,884,321,640
32														
33														
34	INPUT FROM RECORDED SALES FILE:													
35	Medium & Large Details - Deliveries in MWh:													
36	Med & Large C/I (AD)	2,835	2,544	2,375	2,301	1,796	2,785	2,273	2,365	2,392	117	0	0	21,787,307
37	Med & Large C/I (AL+AY+DGR)	780,038	751,724	757,262	696,380	623,319	692,023	673,352	707,574	809,087	786,964	855,152	907,258	9,040,140,428
38	Med & Large C/I (A6)	66,979	57,088	48,898	62,990	57,752	63,823	60,848	40,482	91,058	70,577	68,094	73,182	761,777,260
39	Total	849,853	811,357	808,536	761,671	682,868	758,632	736,474	750,423	902,538	857,660	923,247	980,440	9,823,704,995
40														

**San Diego Gas & Electric Co.
Forecast Billing Determinants for the 12-Month Period: January 2019 - December 2019**

Line No.	System Delivery Determinants	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
1	System Delivery Determinants													
2	Customer Class Deliveries (MW/h)													
3	Residential	589,443	498,039	468,966	422,089	421,884	446,559	521,909	556,940	629,735	539,552	475,848	533,999	6,104,963
4	Small Commercial	181,538	174,652	173,551	169,258	176,375	187,321	205,536	207,120	222,629	201,732	183,355	179,379	2,262,447
5	Med. & Large Comm./Ind.	719,859	707,472	708,036	737,773	753,790	792,388	856,089	850,747	922,610	843,153	791,062	757,685	9,440,665
6	Agriculture (PA)	5,533	6,060	5,756	6,850	7,696	9,196	10,251	10,037	10,493	9,213	8,190	6,490	95,767
7	Agriculture (PA-T-1)	14,979	15,034	15,763	17,243	18,731	21,179	22,926	21,963	23,433	20,768	18,798	16,074	226,892
8	Lighting	6,936	6,627	6,638	6,479	6,526	6,744	6,779	6,823	6,491	6,823	6,587	6,807	79,987
9	Sale for Resale	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	153.8
10	Total System	1,518,301	1,407,897	1,378,724	1,359,704	1,385,017	1,463,399	1,623,547	1,653,311	1,815,710	1,620,963	1,483,854	1,500,447	18,210,874
11														
12	Total System - EXCLUDING Sale for Resale	1,518,288	1,407,884	1,378,711	1,359,692	1,385,004	1,463,386	1,623,534	1,653,298	1,815,697	1,620,950	1,483,841	1,500,435	18,210,720
13														
14	INPUT FROM FORECAST INFORMATION:													
15	Medium & Large Details - Deliveries in MW/h:													
16	Med & Large C/I (AD)	2,048	2,046	2,068	2,000	2,068	2,164	2,291	2,375	2,582	2,310	2,069	1,924	25,945
17	Med & Large C/I (AL+AY+DGR)	649,733	642,587	644,118	669,322	685,205	726,592	781,227	782,812	845,678	774,797	722,962	688,733	8,613,766
18	Med & Large C/I (A6)	68,077	62,839	61,850	66,451	66,517	63,632	72,571	74,351	74,351	66,045	66,031	67,028	800,953
19	Total	719,859	707,472	708,036	737,773	753,790	792,388	856,089	850,747	922,610	843,153	791,062	757,685	9,440,665
20														

Line No.	System Delivery Determinants	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
21	System Delivery Determinants													
22	Customer Class Deliveries (kWh)													
23	Residential	589,442,818	498,039,394	468,966,460	422,088,538	421,884,409	446,558,824	521,908,767	556,939,676	629,734,825	539,552,481	475,847,516	533,998,804	6,104,962,512
24	Small Commercial	181,537,590	174,651,504	173,551,399	169,258,161	176,375,498	187,320,885	205,536,482	207,120,271	222,629,026	201,731,872	183,354,798	179,379,118	2,262,446,604
25	Med. & Large Comm./Ind.	719,858,720	707,472,400	708,036,071	737,772,971	753,790,400	792,387,691	856,088,723	850,747,427	922,610,270	843,152,515	791,062,488	757,685,190	9,440,664,866
26	Agriculture (PA)	5,533,302	6,060,260	5,756,300	6,850,316	7,696,254	9,196,454	10,251,269	10,036,561	10,493,000	9,213,457	8,190,235	6,489,977	95,767,385
27	Agriculture (PA-T-1)	14,979,454	15,033,835	15,762,943	17,242,782	18,731,425	21,178,612	22,926,046	21,963,060	23,433,453	20,767,536	18,798,470	16,074,224	226,891,840
28	Lighting	6,936,300	6,626,605	6,637,744	6,478,801	6,525,985	6,743,543	6,823,155	6,490,950	6,796,854	6,532,494	6,587,406	6,807,218	79,987,055
29	Sale for Resale	12.816	12.816	12.816	12.816	12.816	12.816	12.816	12.816	12.816	12.816	12.816	12.816	153,792
30	Total System	1,518,301,000	1,407,896,814	1,378,723,733	1,359,704,385	1,385,016,787	1,463,398,825	1,623,547,258	1,653,310,761	1,815,710,244	1,620,963,171	1,483,853,729	1,500,447,347	18,210,874,054
31														
32	Total System - EXCLUDING Sale for Resale	1,518,288,184	1,407,883,998	1,378,710,917	1,359,691,569	1,385,003,971	1,463,386,009	1,623,534,442	1,653,297,945	1,815,697,428	1,620,950,355	1,483,840,913	1,500,434,531	18,210,720,262
33														
34	INPUT FROM FORECAST INFORMATION:													
35	Medium & Large Details - Deliveries in kWh:													
36	Med & Large C/I (AD)	2,048,335	2,045,567	2,067,869	1,999,918	2,067,678	2,163,812	2,291,201	2,375,442	2,581,591	2,310,040	2,069,116	1,924,334	25,944,903
37	Med & Large C/I (AL+AY+DGR)	649,733,220	642,587,412	644,118,132	669,321,752	685,205,434	726,591,823	781,226,912	782,811,925	845,677,819	774,797,086	722,961,958	688,733,004	8,613,766,477
38	Med & Large C/I (A6)	68,077,165	62,839,421	61,850,070	66,451,301	66,517,288	63,632,056	72,570,610	74,350,860	74,350,860	66,045,389	66,031,414	67,027,852	800,953,486
39	Total	719,858,720	707,472,400	708,036,071	737,772,971	753,790,400	792,387,691	856,088,723	850,747,427	922,610,270	843,152,515	791,062,488	757,685,190	9,440,664,866
40														

Work Paper - 2
Allocation of TRBAA Balance
@ Sept. 30, 2018

San Diego Gas & Electric Company
2019 - 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 @ 9/30/2018	\$ 2,954,303				Work paper No. 4; Page 4.4; Line 32	1
2							2
3	Forecast - Wheeling Revenues		(8,762,929)	-	(8,762,929)	Work paper No. 6; Page 6.1; Line 19	3
4							4
5	Forecast - Settlements, Metering and Client Relations		7,501	4,499	12,000	Work paper No. 6; Page 6.1; Line 26	5
6							6
7	Forecast - ETC Cost Differentials		(196,873)	(118,088)	(314,960)	Work paper No. 6; Page 6.1; Line 32	7
8							8
9	Forecast - Other PTO Related Revenue (Credits)/Charges		(176,549)	(966,676)	(1,143,225)	Work paper No. 6; Page 6.1; Line 42	9
10							10
11	Forecast 2019 - Net Transmission Revenue Credits		\$ (9,128,850)	\$ (1,080,265)	\$ (10,209,115)	Sum Lines 3 through 9	11
12							12
13	Allocation Factors Based on Revenue Credit Forecast		89.42%	10.58%	100.00%	Ratios Per Line 11	13
14							14
15	Allocation of Beginning TRBAA Balance ¹		\$ 2,641,697	\$ 312,606	\$ 2,954,303	Column (A) Line 1 x Line 13	15

¹ 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, using the the Transmission Revenue Credits forecasts shown on line 11.

Work Paper - 3
Standby Revenues

San Diego Gas & Electric Company
2019 - 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					\$	(14,269,428)	See Note 1	1
2									2
3	TO5-Cycle 1 Informational Filing-Wholesale Base TRR	\$ 566,250,667	\$ 340,692,737	\$	906,943,404			See Note 2	3
4									4
5	HV-LV Allocation Factors	62.43506%	37.56494%		100.00%			Ratios Based on Line 2	5
6									6
7	Total HV-LV Standby Revenue Credits	\$ (8,909,126)	\$ (5,360,302)	\$	(14,269,428)			Col. 3; Line 1 x Line 5 Ratios	7

¹ Per anticipated Standby Revenue amount of \$14,269,428 from Cost Statement BG; Page 1; Column A; Line 23 filed in TO5 Cycle 1 on October 30, 2018.

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, 2018
2019 Annual TRBAA Rate Filing

Line No.	Description	October 2017	November 2017	December 2017	January 2018
1	Beginning Balance (Overcollection)/Undercollection	\$ (5,447,541)	\$ (3,397,182)	\$ (1,599,458)	\$ 907,782
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,616,436,225	1,547,866,217	1,547,092,891	1,536,298,088
5	TRBAA Rate	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.001200)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (2,747,942)	\$ (2,631,373)	\$ (2,630,058)	\$ (1,843,558)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(32,630)	(31,246)	(31,230)	(21,891)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (2,715,312)	\$ (2,600,127)	\$ (2,598,828)	\$ (1,821,667)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(587,760)	(829,825)	(200,242)	(135,363)
12	CT 4575 - Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
13	ETC Cost Differentials ²	(69,575)	(36,097)	(1,541)	10,593
14	Other PTO Related Revenue (Credits)/Charges ³	7,275	71,191	110,350	(96,339)
15	Sub-Total Monthly PTO Related Activity	\$ (649,061)	\$ (793,730)	\$ (90,433)	\$ (220,109)
16					
17	Other CAISO Adjustment	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (649,061)	\$ (793,730)	\$ (90,433)	\$ (220,109)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 2,066,251	\$ 1,806,397	\$ 2,508,394	\$ 1,601,558
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ (5,447,541)	\$ (5,447,541)	\$ (5,447,541)	\$ 907,782
25	Monthly Activity Included in Interest Calculation Basis	1,033,126	2,969,450	5,126,845	800,779
26	Basis for Interest Expense Calculation	(4,414,415)	(2,478,091)	(320,696)	1,708,561
27	Monthly Interest Rate	0.36000%	0.35000%	0.36000%	0.36000%
28	Interest Expense	\$ (15,892)	\$ (8,673)	\$ (1,155)	\$ 6,151
29					
30	Other Adjustment				
31					
32	Ending Balance (Overcollection)/Undercollection	\$ (3,397,182)	\$ (1,599,458)	\$ 907,782	\$ 2,515,491
33					
34					
35	Franchise Fees & Uncollectible Adjustment:				
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, 2018
2019 Annual TRBAA Rate Filing

Line No.	Description	February 2018	March 2018	April 2018	May 2018
1	Beginning Balance (Overcollection)/Undercollection	\$ 2,515,491	\$ 3,413,737	\$ 4,276,151	\$ 5,130,490
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,366,497,634	1,448,541,751	1,356,597,922	1,384,081,342
5	TRBAA Rate	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (956,548)	\$ (1,013,979)	\$ (949,619)	\$ (968,857)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(11,358)	(12,040)	(11,276)	(11,505)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (945,190)	\$ (1,001,939)	\$ (938,342)	\$ (957,352)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(154,870)	(335,412)	(172,414)	(299,544)
12	CT 4575 - Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
13	ETC Cost Differentials ²	11,485	91,297	(30,078)	17,152
14	Other PTO Related Revenue (Credits)/Charges ³	85,695	89,830	100,118	23,954
15	Sub-Total Monthly PTO Related Activity	\$ (56,690)	\$ (153,285)	\$ (101,374)	\$ (257,438)
16					
17	Other CAISO Adjustment	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (56,690)	\$ (153,285)	\$ (101,374)	\$ (257,438)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 888,500	\$ 848,654	\$ 836,969	\$ 699,915
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ 907,782	\$ 907,782	\$ 4,276,151	\$ 4,276,151
25	Monthly Activity Included in Interest Calculation Basis	2,045,808	2,914,385	418,484	1,186,926
26	Basis for Interest Expense Calculation	2,953,590	3,822,167	4,694,635	5,463,077
27	Monthly Interest Rate	0.33000%	0.36000%	0.37000%	0.38000%
28	Interest Expense	\$ 9,747	\$ 13,760	\$ 17,370	\$ 20,760
29					
30	Other Adjustment				
31					
32	Ending Balance (Overcollection)/Undercollection	\$ 3,413,737	\$ 4,276,151	\$ 5,130,490	\$ 5,851,164
33					
34					
35	Franchise Fees & Uncollectible Adjustment:				
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, 2018
2019 Annual TRBAA Rate Filing

Line No.	Description	June 2018	July 2018	August 2018	September 2018
1	Beginning Balance (Overcollection)/Undercollection	\$ 5,851,164	\$ 6,523,039	\$ 6,788,505	\$ 6,108,531
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,579,582,958	1,657,693,492	1,951,425,455	1,892,207,665
5	TRBAA Rate	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (1,105,708)	\$ (1,160,385)	\$ (1,365,998)	\$ (1,324,545)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(13,130)	(13,779)	(16,220)	(15,728)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (1,092,579)	\$ (1,146,607)	\$ (1,349,778)	\$ (1,308,817)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(407,286)	(810,314)	(1,945,802)	(2,884,098)
12	CT 4575 - Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
13	ETC Cost Differentials ²	(38,223)	(97,115)	(137,028)	(35,831)
14	Other PTO Related Revenue (Credits)/Charges ³	1,096	(1,282)	26,442	(1,561,556)
15	Sub-Total Monthly PTO Related Activity	\$ (443,412)	\$ (907,711)	\$ (2,055,388)	\$ (4,480,484)
16					
17	Other CAISO Adjustment	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (443,412)	\$ (907,711)	\$ (2,055,388)	\$ (4,480,484)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 649,166	\$ 238,896	\$ (705,610)	\$ (3,171,667)
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ 4,276,151	\$ 6,523,039	\$ 6,523,039	\$ 6,523,039
25	Monthly Activity Included in Interest Calculation Basis	1,861,466	119,448	(113,909)	(2,052,548)
26	Basis for Interest Expense Calculation	6,137,617	6,642,487	6,409,130	4,470,491
27	Monthly Interest Rate	0.37000%	0.40000%	0.40000%	0.39000%
28	Interest Expense	\$ 22,709	\$ 26,570	\$ 25,637	\$ 17,435
29					
30	Other Adjustment				
31					
32	Ending Balance (Overcollection)/Undercollection	\$ 6,523,039	\$ 6,788,505	\$ 6,108,531	\$ 2,954,303
33					
34					
35	<u>Franchise Fees & Uncollectible Adjustment:</u>				
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, 2018
2019 Annual TRBAA Rate Filing

Line No.	Description	Total	Reference	Line No.
1	Beginning Balance (Overcollection)/Undercollection	\$ (5,447,541)	Previous Month's Balance	1
2				2
3	TRBAA Refund			3
4	Kwh (Excluding Sales for Resale).	18,884,321,640	Work Paper No. 1; Page 1.1; Line 32 TRBAA Rates; ER 17-279 (Oct - Dec 2017); ER18-211 (2018)	4
5	TRBAA Rate		Line 4 x Line 5	5
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (18,698,570)	(Line 6 / (1+ Line 38)) * Line 38	6
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(222,033)	Line 6 / Line 43	7
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (18,476,537)		8
9				9
10	PTO Related - ISO Charge Types:			10
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(8,762,929)	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 ²	(314,960)	Work Paper No. 5; Page 5.1-5.2; Line 10	13
14	Other PTO Related Revenue (Credits)/Charges ³	(1,143,225)	Work Paper No. 5; Page 5.1-5.2; Line 13	14
15	Sub-Total Monthly PTO Related Activity	\$ (10,209,115)	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	\$ (10,209,115)	Sum Lines 15; 18	19
20				20
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 8,267,422	Minus Line 8 + (Line 19)	21
22				22
23	Interest Expense Calculations:			23
24	Beginning Balance for Interest Calculation		Beginning Quarterly Balances	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	\$ 134,418	Line 26 x Line 27	28
29				29
30	Other Adjustment	-		30
31				31
32	Ending Balance (Overcollection)/Undercollection	\$ 2,954,303	Line 1 + Line 21 + Line 28 + Line 30	32
33				33
34				34
35	<u>Franchise Fees & Uncollectible Adjustment:</u>			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.
2019 TRBAA Rate Filing
Monthly TRBAA Details for Period Ending September 30, 2018**

Line No.	FOOTNOTES to Monthly TRBAA Balance:	Line No.
1	<p>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.</p> <p>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).</p> <p>3 Other Participating Transmission Owner (PTO) Related (Credits)/Charges include CAISO charge codes 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.</p>	1
2		2
3		3
4		4
5		5

Work Paper - 5
Summary of CAISO Charge Codes

San Diego Gas & Electric Company
2019 TRBAA Rate Filing
CAISO Charges Oct. 2017 - Sep. 2018

Line No.	Description	October 2017	November 2017	December 2017	January 2018	February 2018	March 2018	April 2018	May 2018
1	High Voltage Wheeling Revenues:								
2	CT 384 - HV Wheeling Revenues Due TO	\$ (587,760)	\$ (829,829)	\$ (200,206)	\$ (135,362)	\$ (154,870)	\$ (336,461)	\$ (173,892)	\$ (302,476)
3	CT 382 - HV Wheeling Charge Due ISO	-	4	(36)	(0)	-	1,048	1,478	2,933
4	Net	\$ (587,760)	\$ (829,825)	\$ (200,242)	\$ (135,363)	\$ (154,870)	\$ (335,412)	\$ (172,414)	\$ (299,544)
5									
6		\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
7	CT 4575 - Settlements, Metering, & Client Relations (SDGE-PTO)								
8									
9		\$ (69,575)	\$ (36,097)	\$ (1,541)	\$ 10,593	\$ 11,485	\$ 91,297	\$ (30,078)	\$ 17,152
10	ETC Cost Differentials from CAISO								
11									
12		\$ 7,275	\$ 71,191	\$ 110,350	\$ (96,339)	\$ 85,695	\$ 89,830	\$ 100,118	\$ 23,954
13	Other PTO Related Revenue (Credits)/Charges								
14									

San Diego Gas & Electric Company
2019 TRBAA Rate Filing
CAISO Charges Oct. 2017 - Sep. 2018

Line No.	Description	June 2018	July 2018	August 2018	September 2018	Total	Reference	Line No.
1	High Voltage Wheeling Revenues:							
2	CT 384 - HV Wheeling Revenues Due TO	\$ (407,908)	\$ (810,314)	\$ (1,945,802)	\$ (2,884,275)	\$ (8,769,155)	ISO Charge Type 384	1
3	CT 382 - HV Wheeling Charge Due ISO	622	-	-	177	6,226	ISO Charge Type 382	2
4	Net	\$ (407,286)	\$ (810,314)	\$ (1,945,802)	\$ (2,884,098)	\$ (8,762,929)		3
5								4
6								5
7	CT 4575 - Settlements, Metering, & Client Relations (SDGE-PTO)	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 12,000	ISO Charge Type 4575	6
8								7
9								8
10	ETC Cost Differentials from CAISO	\$ (38,223)	\$ (97,115)	\$ (137,028)	\$ (35,831)	\$ (314,960)	Work Paper 10; Pages 10.1 - 10.2; Line 48	9
11								10
12								11
13	Other PTO Related Revenue (Credits)/Charges	\$ 1,096	\$ (1,282)	\$ 26,442	\$ (1,561,556)	\$ (1,143,225)	Work Paper 12; Pages 12.1 - 12.2; Line 13	12
14								13
								14

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

San Diego Gas & Electric Company
2019 - 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	HV-LV Allocation Factors:				1
2					2
3	A. Development of Allocation Factors:				3
4					4
5	T05 Cycle 1 - Recorded Gross Plant Balances; Dollars in (\$000)	High Voltage \$ 3,547,122	Low Voltage \$ 1,916,110	Total \$ 5,463,232	5
6					6
7	T05 Cycle 1 - Weighted Forecast Plant Additions; Dollars in (\$000)	\$ 422,442	\$ 464,908	\$ 887,350	7
8					8
9	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 3,969,564	\$ 2,381,018	\$ 6,350,582	9
10					10
11	High Voltage - Low Voltage Ratios Based on Gross Plant; Per Line 9	62.51%	37.49%	100.00%	11
12					12
13	B. Allocation of High Voltage Wheeling Revenues:				13
14					14
15	Total Wheeling Revenues Forecast based on recorded HV-LV wheeling revenues ending 9/30/2018	\$ (8,762,929)	\$ -	\$ (8,762,929)	15
16					16
17	HV - Allocation Ratio is NOT Based on Plant as shown on Line 11	100.00%	0.00%	100.00%	17
18					18
19	Total HV-LV Wheeling Revenues Allocation	\$ (8,762,929)	\$ -	\$ (8,762,929)	19
20					20
21	C. Forecast of Settlements, Metering, & Client Relations Expense:				21
22					22
23	Total Settlements, Metering & Client Relations Expense Forecast based on recorded CC4575 ending 9/30/2018	\$ -	\$ -	\$ -	23
24	Adjusted for Known and Measurable Changes.				24
25					25
26	Total Settlements, Metering, & Client Relations Allocation	\$ 7,501	\$ 4,499	\$ 12,000	26
27					27
28	D. Forecast of ETC Cost Differentials Expense:				28
29					29
30	Total ETC Cost Differentials Expense Forecast based on recorded other various CAISO charges ending 9/30/2018			\$ (314,960)	30
31					31
32	Total ETC Cost Differentials Allocation	\$ (196,873)	\$ (118,088)	\$ (314,960)	32
33					33
34	E. Forecast of Other PTO Related Revenue (Credits)/Charges:				34
35					35
36	Total Other PTO Related Revenue (Credits)/Charges based on recorded specific various CAISO charges ending 9/30/2018			\$ (1,143,225)	36
37					37
38	Less: CC 8526 HV/LV specific allocation per CAISO	\$ 1,512,537	\$ 46,469	\$ 1,559,006	38
39					39
40	Net Other PTO Related Revenue (Credits)/Charges HV/LV Allocation	\$ (1,689,086)	\$ (1,013,145)	\$ (2,702,231)	40
41					41
42	Total Other PTO Related Revenue (Credits)/Charges HV/LV Allocation	\$ (176,549)	\$ (966,676)	\$ (1,143,225)	42
43					43

Work Paper - 7
Derivation of Wheeling Revenue Forecast

**San Diego Gas & Electric Company
2019 - TRBAA Rate Filing
Wheeling Revenues Forecast**

Line No	Actual Recorded Month	(A)		(B)		(C)		(D)		Line No
		High Voltage Wheeling Revenues (384)/(382)-Net	Low Voltage Wheeling Revenues (385)	Total	Reference					
1	Oct-17	\$ (587,760)	\$ -	\$ (587,760)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
2	Nov-17	(829,825)	-	(829,825)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
3	Dec-17	(200,242)	-	(200,242)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
4										
5										
6	Jan-18	(135,363)	-	(135,363)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
7	Feb-18	(154,870)	-	(154,870)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
8	Mar-18	(335,412)	-	(335,412)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
9										
10										
11										
12	Apr-18	(172,414)	-	(172,414)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
13	May-18	(299,544)	-	(299,544)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
14	Jun-18	(407,286)	-	(407,286)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
15										
16										
17										
18	Jul-18	(810,314)	-	(810,314)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
19	Aug-18	(1,945,802)	-	(1,945,802)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
20	Sep-18	(2,884,098)	-	(2,884,098)	Work paper No. 5; Page 5.1 and 5.2; Line 4					
21										
22										
23										
24	Total Recorded	\$ (8,762,929)	\$ -	\$ (8,762,929)	Sum Lines 1 - 23					
25										
26	Wheeling Revenue Forecast	\$ (8,762,929)	\$ -	(8,762,929)	See Line 25					
27										
28										

Work Paper - 8

Derivation of Settlements, Metering and
Client Relations Charges Forecast

San Diego Gas & Electric Company
2019 - 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-17	\$ 1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	1
2				2
3	Nov-17	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	3
4				4
5	Dec-17	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	5
6				6
7	Jan-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	7
8				8
9	Feb-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	9
10				10
11	Mar-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	11
12				12
13	Apr-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	13
14				14
15	May-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	15
16				16
17	Jun-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	17
18				18
19	Jul-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	19
20				20
21	Aug-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	21
22				22
23	Sep-18	1,000	Work paper No. 5; Page 5.1 and 5.2; Line 7	23
24				24
25	Total Recorded	\$ 12,000	Sum Lines 1 to 23	25
26				26
27	Settlements, Metering and Client Relations Charge Code - 4575 Forecast ^a	\$ 12,000	See Line 25	27
28				28

^a 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
2019 - TRBAA Rate Filing
Existing Transmission Contracts (ETC) Cost Differentials Forecast**

Line No.	Actual Recorded Month	Existing Transmission Contracts (ETC) Cost Differentials	Reference	Line No.
1	Oct-17	\$ (69,575)	Work paper No. 5; Page 5.1 and 5.2; Line 10	1
2				2
3	Nov-17	(36,097)	Work paper No. 5; Page 5.1 and 5.2; Line 10	3
4				4
5	Dec-17	(1,541)	Work paper No. 5; Page 5.1 and 5.2; Line 10	5
6				6
7	Jan-18	10,593	Work paper No. 5; Page 5.1 and 5.2; Line 10	7
8				8
9	Feb-18	11,485	Work paper No. 5; Page 5.1 and 5.2; Line 10	9
10				10
11	Mar-18	91,297	Work paper No. 5; Page 5.1 and 5.2; Line 10	11
12				12
13	Apr-18	(30,078)	Work paper No. 5; Page 5.1 and 5.2; Line 10	13
14				14
15	May-18	17,152	Work paper No. 5; Page 5.1 and 5.2; Line 10	15
16				16
17	Jun-18	(38,223)	Work paper No. 5; Page 5.1 and 5.2; Line 10	17
18				18
19	Jul-18	(97,115)	Work paper No. 5; Page 5.1 and 5.2; Line 10	19
20				20
21	Aug-18	(137,028)	Work paper No. 5; Page 5.1 and 5.2; Line 10	21
22				22
23	Sep-18	(35,831)	Work paper No. 5; Page 5.1 and 5.2; Line 10	23
24				24
25	Total Recorded	\$ (314,960)	Sum Lines 1 to 23	25
26				26
27	Existing Transmission Contracts (ETC) Cost Differentials Forecast	\$ (314,960)	See Line 25	27
28				28

Work Paper – 10
Monthly Recorded ETC Cost Differentials
Charge Types

San Diego Gas & Electric Company
2019 TRBAA Rate Filing
Details of Monthly ETC Cost Differentials

Line No.	Charge Type	ETC Cost Differentials Charge Types	Oct-17	Nov-17	Dec-17	Jan-18
		TRBAA Revenues				
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ -	\$ -
2	4989	RTM Congestion Credit Settlement	-	0	-	-
3	6011	Day Ahead Energy Congestion Loss Management	(13,603)	27,010	44,440	90,292
4	6090	Ancillary Service Upward Neutrality Allocation	-	-	-	-
5	6194	Spinning Reserve Obligation Settlement	(125)	(111)	(0)	(27)
6	6294	Non-Spinning Reserve Obligation Settlement	(22)	(84)	(2)	(3)
7	6457	Declined Hourly Pre-Dispatched Penalty Allocation	-	0	(0)	-
8	6620	Bid Cost Recovery Settlement	-	-	-	-
9	6788	Real Time Market Congestion Credit Settlement	7,055	(33,885)	(47,101)	(14,900)
10	6791	CRR Accrued Interest Allocation	-	-	-	-
11	6947	IFM Marginal Losses Surplus Credit Allocation	(106,906)	(96,575)	(83,623)	(128,464)
12	6977	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	(0)	0	-	-
13	7057	Flexible Ramp Supply Cost Allocation Reversal	72	(25)	(9)	(1)
14	7070	Flexible Ramp Forecasted Movement Settlement	(497)	(8,560)	540	-
15	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	3,572	(381)	(878)	(1,091)
16	7989	Invoice Deviation Interest Distribution	(195)	(286)	(38)	(17)
17	8526	Generator Interconnection Process Forfeited Deposit Allocation	-	-	-	-
18	8999	Neutrality Adjustment	-	-	-	-
19		All Other				
20						
		TRBAA Expenses				
21						
22	0525	FERC Fees Under/Over Recovery	-	-	-	-
23	0550	FERC Fees	-	0	-	-
24	1303	Supplemental Reactive Energy Allocation	(0)	-	-	-
25	4515	Bid Segment Fee	42	29	26	38
26	4560	GMC - Market Service Charge	1,902	2,683	697	720
27	4561	GMC - System Operations Charge	401	130	-	128
28	4563	GMC - Transmission Ownership Rights	42,085	28,423	33,692	52,580
29	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
30	6196	Spinning Reserve Neutrality Allocation	-	-	-	-
31	6296	Non-Spinning Reserve Neutrality Allocation	-	-	-	-
32	6460	FMM Instructed Imbalance Energy Settlement	2,186	27,746	35,962	11,353
33	6470	Real-Time Instructed Imbalance Energy Settlement	(7,725)	20,078	22,573	9,664
34	6477	Real-Time Imbalanced Energy Offset	(1)	0	(10)	(0)
35	6478	Real Time System Imbalance Energy Offset	-	-	-	-
36	6636	IFM Bid Cost Recovery Tier 1 Allocation	-	-	-	-
37	6678	Real Time Bid Cost Recovery Allocation	20	1	-	5
38	6774	Real Time Congestion Offset	1	(1)	0	0
39	6790	CRR Balancing Account	1	0	0	(0)
40	6985	Real Time Marginal Losses Offset	1,245	(5,236)	(8,909)	(12,340)
41	7056	Flexible Ramp Cost Allocation	(72)	25	10	3
42	7058	Monthly Flexible Ramp Supply Cost Allocation	(38)	19	3	2
43	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	374	1,917	89	1,750
44	7087	Daily Flexible Ramp Down Uncertainty Award Allocation	(297)	(0)	-	(108)
45	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation	(63)	(16)	(3)	1
46	7999	Invoice Deviation Interest Allocation	11	-	1	4
47						
48		Grand Total	\$ (69,575)	\$ (36,097)	\$ (1,541)	\$ 10,593
49						
50						
51		Adjusted Total ETC Cost Differential - Line 48 above	\$ (69,575)	\$ (36,097)	\$ (1,541)	\$ 10,593
52		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	\$ (69,575)	\$ (36,097)	\$ (1,541)	\$ 10,593
53		Difference	-	-	-	-
54						

San Diego Gas & Electric Company
2019 TRBAA Rate Filing
Details of Monthly ETC Cost Differentials

Line No.	Charge Type	ETC Cost Differentials Charge Types	Feb-18	Mar-18	Apr-18	May-18
		TRBAA Revenues				
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ -	\$ -
2	4989	RTM Congestion Credit Settlement	-	(0)	(0)	(0)
3	6011	Day Ahead Energy Congestion Loss Management	53,269	169,939	19,617	44,433
4	6090	Ancillary Service Upward Neutrality Allocation	1	(0)	0	-
5	6194	Spinning Reserve Obligation Settlement	(36)	(71)	(46)	(0)
6	6294	Non-Spinning Reserve Obligation Settlement	(1)	(12)	(7)	0
7	6457	Declined Hourly Pre-Dispatched Penalty Allocation	0	(0)	(0)	(0)
8	6620	Bid Cost Recovery Settlement	-	-	-	-
9	6788	Real Time Market Congestion Credit Settlement	(430)	6,121	(11,758)	27,609
10	6791	CRR Accrued Interest Allocation	-	(0)	(0)	(0)
11	6947	IFM Marginal Losses Surplus Credit Allocation	(77,792)	(117,721)	(93,146)	(92,845)
12	6977	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	0	(8)	(5)	(11)
13	7057	Flexible Ramp Supply Cost Allocation Reversal	(1)	(0)	(1)	(2)
14	7070	Flexible Ramp Forecasted Movement Settlement	(538)	383	207	690
15	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	(1,906)	(82)	(524)	(149)
16	7989	Invoice Deviation Interest Distribution	(40)	(32)	(34)	(32)
17	8526	Generator Interconnection Process Forfeited Deposit Allocation	-	-	-	-
18	8999	Neutrality Adjustment	-	-	-	-
19		All Other				
20						
		TRBAA Expenses				
21						
22	0525	FERC Fees Under/Over Recovery	-	-	-	-
23	0550	FERC Fees	-	7	10	18
24	1303	Supplemental Reactive Energy Allocation	(138)	-	-	-
25	4515	Bid Segment Fee	30	37	30	29
26	4560	GMC - Market Service Charge	905	2,166	1,412	1,616
27	4561	GMC - System Operations Charge	169	272	125	171
28	4563	GMC - Transmission Ownership Rights	35,028	45,365	39,839	42,550
29	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
30	6196	Spinning Reserve Neutrality Allocation	(0)	1	(1)	(0)
31	6296	Non-Spinning Reserve Neutrality Allocation	(0)	0	(1)	-
32	6460	FMM Instructed Imbalance Energy Settlement	985	(153)	5,619	15,242
33	6470	Real-Time Instructed Imbalance Energy Settlement	3,519	(3,291)	7,399	(20,300)
34	6477	Real-Time Imbalanced Energy Offset	(5)	(6)	(67)	(27)
35	6478	Real Time System Imbalance Energy Offset	-	-	-	-
36	6636	IFM Bid Cost Recovery Tier 1 Allocation	-	-	-	-
37	6678	Real Time Bid Cost Recovery Allocation	(1)	10	0	26
38	6774	Real Time Congestion Offset	1	(6)	11	55
39	6790	CRR Balancing Account	1	249	(12)	73
40	6985	Real Time Marginal Losses Offset	(4,305)	(13,242)	(1,004)	(4,098)
41	7056	Flexible Ramp Cost Allocation	(0)	2	3	2
42	7058	Monthly Flexible Ramp Supply Cost Allocation	0	0	2	1
43	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	1,525	514	1,160	684
44	7087	Daily Flexible Ramp Down Uncertainty Award Allocation	41	(16)	103	477
45	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation	198	(142)	(12)	(89)
46	7999	Invoice Deviation Interest Allocation	6	15	4	29
47						
48		Grand Total	\$ 11,485	\$ 91,297	\$ (30,078)	\$ 17,152
49						
50						
51		Adjusted Total ETC Cost Differential - Line 48 above	\$ 11,485	\$ 91,297	\$ (30,078)	\$ 17,152
52		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	\$ 11,485	\$ 91,297	\$ (30,078)	\$ 17,152
53		Difference	-	-	-	-
54						

San Diego Gas & Electric Company
2019 TRBAA Rate Filing
Details of Monthly ETC Cost Differentials

Line No.	Charge Type	ETC Cost Differentials Charge Types	Jun-18	Jul-18	Aug-18	Sep-18	Total	Line No.
		TRBAA Revenues						
1	1592	EP Penalty Allocation Payment	\$ (1,393)	\$ -	\$ -	\$ -	\$ (1,393)	1
2	4989	RTM Congestion Credit Settlement	0	-	-	0	(0)	2
3	6011	Day Ahead Energy Congestion Loss Management	28,400	111,026	203,692	62,846	841,362	3
4	6090	Ancillary Service Upward Neutrality Allocation	-	-	-	-	1	4
5	6194	Spinning Reserve Obligation Settlement	(35)	(21)	(113)	(48)	(634)	5
6	6294	Non-Spinning Reserve Obligation Settlement	(4)	(1)	(68)	(3)	(207)	6
7	6457	Declined Hourly Pre-Dispatched Penalty Allocation	(0)	-	-	(0)	(0)	7
8	6620	Bid Cost Recovery Settlement	-	-	-	-	-	8
9	6788	Real Time Market Congestion Credit Settlement	(3,677)	(3,654)	36,293	19,266	(19,061)	9
10	6791	CRR Accrued Interest Allocation	(0)	-	-	(0)	(1)	10
11	6947	IFM Marginal Losses Surplus Credit Allocation	(111,970)	(242,800)	(407,994)	(142,446)	(1,702,281)	11
12	6977	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	0	(0)	0	(5)	(29)	12
13	7057	Flexible Ramp Supply Cost Allocation Reversal	(0)	(0)	(0)	(1)	31	13
14	7070	Flexible Ramp Forecasted Movement Settlement	24	-	-	3,997	(3,755)	14
15	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	(57)	(343)	88	(2,181)	(3,931)	15
16	7989	Invoice Deviation Interest Distribution	(2)	(290)	(23)	(128)	(1,118)	16
17	8526	Generator Interconnection Process Forfeited Deposit Allocation	(2,075)	-	-	-	(2,075)	17
18	8999	Neutrality Adjustment	-	-	-	0	0	18
19		All Other						19
20								20
		TRBAA Expenses						
21								21
22	0525	FERC Fees Under/Over Recovery	-	-	-	-	-	22
23	0550	FERC Fees	4	-	-	1	40	23
24	1303	Supplemental Reactive Energy Allocation	-	(0)	-	-	(138)	24
25	4515	Bid Segment Fee	31	37	31	34	394	25
26	4560	GMC - Market Service Charge	280	175	129	2,040	14,724	26
27	4561	GMC - System Operations Charge	108	88	135	255	1,981	27
28	4563	GMC - Transmission Ownership Rights	43,924	58,019	43,841	43,560	508,907	28
29	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000	12,000	29
30	6196	Spinning Reserve Neutrality Allocation	-	-	-	-	(1)	30
31	6296	Non-Spinning Reserve Neutrality Allocation	-	-	-	-	(1)	31
32	6460	FMM Instructed Imbalance Energy Settlement	(140)	(17,774)	5,287	(4,693)	81,621	32
33	6470	Real-Time Instructed Imbalance Energy Settlement	5,810	589	(24,145)	(12,598)	1,573	33
34	6477	Real-Time Imbalanced Energy Offset	1	7	(1)	(31)	(141)	34
35	6478	Real Time System Imbalance Energy Offset	-	-	-	-	-	35
36	6636	IFM Bid Cost Recovery Tier 1 Allocation	-	-	-	-	-	36
37	6678	Real Time Bid Cost Recovery Allocation	9	3	1	10	85	37
38	6774	Real Time Congestion Offset	(1)	(0)	-	13	75	38
39	6790	CRR Balancing Account	(0)	0	-	(70)	242	39
40	6985	Real Time Marginal Losses Offset	333	(4,153)	4,774	(3,373)	(50,308)	40
41	7056	Flexible Ramp Cost Allocation	0	0	0	1	(25)	41
42	7058	Monthly Flexible Ramp Supply Cost Allocation	1	1	1	3	(6)	42
43	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	160	672	12	(1,369)	7,487	43
44	7087	Daily Flexible Ramp Down Uncertainty Award Allocation	112	(3)	(0)	(898)	(589)	44
45	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation	858	270	29	(1,040)	(9)	45
46	7999	Invoice Deviation Interest Allocation	79	39	5	27	218	46
47								47
48		Grand Total	\$ (38,223)	\$ (97,115)	\$ (137,028)	\$ (35,831)	\$ (314,960)	48
49								49
50								50
51		Adjusted Total ETC Cost Differential - Line 48 above	\$ (38,223)	\$ (97,115)	\$ (137,028)	\$ (35,831)	\$ (314,960)	51
52		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	\$ (38,223)	\$ (97,115)	\$ (137,028)	\$ (35,831)	\$ (314,960)	52
53		Difference	-	-	-	-	-	53
54								54

Work Paper - 11

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

San Diego Gas & Electric Company
2019 - 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-17	\$ 7,275	Work paper No. 5; Page 5.1 and 5.2; Line 13	1
2				2
3	Nov-17	71,191	Work paper No. 5; Page 5.1 and 5.2; Line 13	3
4				4
5	Dec-17	110,350	Work paper No. 5; Page 5.1 and 5.2; Line 13	5
6				6
7	Jan-18	(96,339)	Work paper No. 5; Page 5.1 and 5.2; Line 13	7
8				8
9	Feb-18	85,695	Work paper No. 5; Page 5.1 and 5.2; Line 13	9
10				10
11	Mar-18	89,830	Work paper No. 5; Page 5.1 and 5.2; Line 13	11
12				12
13	Apr-18	100,118	Work paper No. 5; Page 5.1 and 5.2; Line 13	13
14				14
15	May-18	23,954	Work paper No. 5; Page 5.1 and 5.2; Line 13	15
16				16
17	Jun-18	1,096	Work paper No. 5; Page 5.1 and 5.2; Line 13	17
18				18
19	Jul-18	(1,282)	Work paper No. 5; Page 5.1 and 5.2; Line 13	19
20				20
21	Aug-18	26,442	Work paper No. 5; Page 5.1 and 5.2; Line 13	21
22				22
23	Sep-18	(1,561,556)	Work paper No. 5; Page 5.1 and 5.2; Line 13	23
24				24
25	Total Recorded	\$ (1,143,225)	Sum Lines 1 to 23	25
26				26
27	Other PTO Related Revenue (Credits) / Charges Forecast	\$ (1,143,225)	See Line 25	27
28				28

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

San Diego Gas & Electric Company
2019 TRBAA Rate Filing
Details of Monthly Other PTO Related Revenue (Credits)/Charges

Line No.	Charge Type	Other PTO Related Revenue (Credits)/Charge Types ^a	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	7989	Invoice Deviation Interest Distribution	(8,757)	(42)	(90)	(371)	(1,832)	(4,607)
3	7999	Invoice Deviation Interest Allocation	16,032	71,233	110,439	103,202	87,528	94,437
4	8999	Neutrality Adjustment	-	-	-	-	-	-
5		Sub-Total	7,275	71,191	110,350	102,831	85,695	89,830
6	8526	Generator Interconnection Process Forfeited Deposit Allocation ^b	-	-	-	(199,170)	-	-
7		Grand Total	\$ 7,275	\$ 71,191	\$ 110,350	\$ (96,339)	\$ 85,695	\$ 89,830
8		Adjusted Total Other PTO Related Revenue (Credits)/Charges -	\$ 7,275	\$ 71,191	\$ 110,350	\$ (96,339)	\$ 85,695	\$ 89,830
9		Line 13 above						
10		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 14	\$ 7,275	\$ 71,191	\$ 110,350	\$ (96,339)	\$ 85,695	\$ 89,830
11		Difference	-	-	-	-	-	-
12								
13								
14								
15								
16								
17								
18								
19								

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

^b In accordance with the CAISO Tariff Appendix DD, Section 7.6, SDG&E, as a PTO, received \$1,559,005.63 under CAISO Charge Code 8526 on September 18, 2018. Of this amount, \$1,512,536.79 is classified as High Voltage and \$46,468.84 is classified as Low Voltage.

High Voltage
Low Voltage
Total

San Diego Gas & Electric Company
2019 TRBAA Rate Filing
Details of Monthly Other PTO Related Revenue (Credits)/Charges

Line No.	Charge Type	Other PTO Related Revenue (Credits)/Charge Types ^a	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Total	Line No.
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ (35)	\$ -	\$ -	\$ -	\$ (35)	1
2	7989	Invoice Deviation Interest Distribution	(146)	(38,013)	(429)	(2,447)	(20)	(3,021)	(59,776)	2
3	7999	Invoice Deviation Interest Allocation	100,264	61,967	1,613	1,165	26,463	471	674,815	3
4	8999	Neutrality Adjustment	-	-	-	-	-	-	-	4
5		Sub-Total	100,118	23,954	1,148	(1,282)	26,442	(2,550)	615,003	5
6	8526	Generator Interconnection Process Forfeited Deposit Allocation ^b	-	-	(52)	-	-	(1,559,006)	(1,758,228)	6
7		Grand Total	\$ 100,118	\$ 23,954	\$ 1,096	\$ (1,282)	\$ 26,442	\$ (1,561,556)	\$ (1,143,225)	7
8		Adjusted Total Other PTO Related Revenue (Credits)/Charges -	\$ 100,118	\$ 23,954	\$ 1,096	\$ (1,282)	\$ 26,442	\$ (1,561,556)	\$ (1,143,225)	8
9		Line 13 above								9
10		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 14								10
11		Difference								11
12										12
13										13
14										14
15										15
16										16
17										17
18										18
19										19

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

^b In accordance with the CAISO Tariff Appendix DD, Section 7.6, SDG&E, as a PTO, received \$1,559,005.63 under CAISO Charge Code 8526 on September 18, 2018. Of this amount, \$1,512,536.79 is classified as High Voltage and \$46,468.84 is classified as Low Voltage.

High Voltage	\$ 1,512,537	\$ 1,512,537
Low Voltage	46,469	46,469
Total	\$ 1,559,006	\$ 1,559,006