

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

San Diego Gas & Electric Company

Docket No. ER18- -000

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

November 1, 2017



E. Gregory Barnes
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November 1, 2017

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, 2018 Annual TRBAA Rate Revision,
Docket No. ER18-____-000**

Dear Ms. Bose:

Pursuant to Section 35.13 of the regulations of the Federal Energy Regulatory Commission (“FERC” or “Commission”), 18 C.F.R. § 35.13,¹ 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

Specifically, 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, 2018.³

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 TRBAA, and sets forth the procedure for revising the TRBAA rate annually. This

¹ 16 U.S.C. § 824d (2012); 18 C.F.R. §§ 35, *et seq.* (2017).

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, 2017, in Docket No. ER17-279-000, by delegation letter order dated December 28, 2016.

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.

		<u>Retail End Use</u>	<u>CAISO/Wholesale</u>
TRBAA Balance @ 9/30/2017	=	\$ 5,447,541	\$ 5,447,541
Transmission Revenue Credits Forecast	=	\$ 7,853,970	\$ 7,853,970
Franchise Fees/Uncollectibles	=	\$ 159,844	\$ 136,700
Total TRBAA		<u>\$ 13,461,355</u>	<u>\$13,438,211</u>

The retail TRBAA effective January 1, 2018 is a credit to End-Use Customers of (\$13,461,355) and for wholesale a credit of (\$13,438,211). The 2017 retail TRBAA was a credit to End-Use Customers of (\$33,172,071) and for wholesale a credit of (\$33,115,037). The change in Transmission Revenue Credit is primarily due to the settlement of claims received by SDG&E in the previous year for approximately \$22,192,006.⁴ To pass through this credit, SDG&E is proposing a 2018 TRBAA rate of (\$0.00070) per kWh, compared to the current rate of (\$0.00170) 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 reflects the TO4, Cycle 5 BTRR that will go into effect in January 1, 2018,⁵ and the TRBAA amounts will go into effect based on the instant filing.

III. EFFECTIVE DATE

SDG&E respectfully request the Commission to assign the revised tariff section an effective date of January 1, 2018.

⁴ *SDG&E v. Sellers of Ancillary Services, etc., Order Approving Uncontested Settlement*, 155 FERC ¶ 61, 312 (June 27, 2016).

⁵ SDG&E will submit the TO4, Cycle 5 filing on December 1, 2017. “TO4” refers to SDG&E’s fourth Transmission Owner formula rate accepted for filing by the Commission in Docket No. ER13-941-000, 144 FERC ¶ 61,078 (July 31, 2013). “Cycle 5” refers to the fact the formula rate contemplates annual filings, and that this represents the fifth such filing under the fourth formula rate.

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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VI. LIST OF DOCUMENTS SUBMITTED

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

The Hon. Kimberly D. Bose, Secretary

November 1, 2017

Page 4 of 4

- 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. Attestation
- E. 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, 2018.

Respectfully submitted,

/s/ E. Gregory Barnes

E. Gregory Barnes

Attorney For

SAN DIEGO GAS & ELECTRIC COMPANY

November 1, 2017

Enclosures

CERTIFICATE OF SERVICE

I hereby certify that on this 1st day of November, 2017, 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 1st day of November, 2017.

/s/ Tamara Grabowski

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

San Diego Gas & Electric Company
2018 TRBAA Filing

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

ER 18-_____ - _____

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 (\$0.00070) per kilowatt-hour shall be applied to all SDG&E End-User Customers bills.

**ISO Wholesale
Transmission Revenue Balancing Account Adjustment
TRBAA
Service Year 2018**

A:	High Voltage TRBAA	\$ (12,661,050)
B.	Low Voltage TRBAA	<u>(777,161)</u>
C.	Total ISO Wholesale TRBAA:	\$ <u>(13,438,211)</u>

San Diego Gas & Electric Company
2018 TRBAA Filing

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

ER 18-____ - ____

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~~40~~70) 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~~8~~7**

A:	High Voltage TRBAA	\$ (12,661,050 31,191,079)
B:	Low Voltage TRBAA	(777,161 1,923,958)
C:	Total ISO Wholesale TRBAA:	\$ (13,438,211 33,115,037)

San Diego Gas & Electric Company
2018 TRBAA Filing

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

ER18- _____ - _____

APPENDIX - I
SDG&E's Transmission Revenue Requirement
Annual TRBAA Rate Filing Per Docket No. ER18- _____-000
Effective January 1, 2018 – December 31, 2018

1. **Wholesale Customers:** For purposes of the CAISO's calculation of Transmission Access Charges:
 - a. The Wholesale Transmission Revenue Requirement shall be **\$791,347,993¹**, which is equal to the Wholesale Base Transmission Revenue Requirement of **\$817,704,000**, reduced by the Wholesale TRBAA of **\$13,438,211** and reduced by Standby Transmission Revenue of **\$12,917,796**.
 - b. The High Voltage Transmission Revenue Requirement shall be **\$509,378,580**.
 - c. The Low Voltage Transmission Revenue Requirement shall be **\$281,969,413**.
 - d. Gross Load consistent with the High Voltage Transmission Revenue Requirement shall be **20,283,944** megawatt hours.
2. **Effective Date:** The amounts in (1) shall be effective January 1, 2018, or until amended by the Participating TO or modified by FERC.

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

BTRR TO4-Cycle 5 Informational Filing Docket ER18- -	-	=\$817,704,000
TRBAA per FERC Order in Docket ER18- -000		= (13,438,211)
Standby Revenues TO4-Cycle 5 Informational Filing ER18- -		= <u>(12,917,796)</u>
TOTAL		= <u>\$791,347,993</u>

San Diego Gas & Electric Company
2018 TRBAA Filing

Attachment – D
Attestation Form

ER18-____-_____

**ATTESTATION RE SAN DIEGO GAS & ELECTRIC'S
2018 Annual TRBAA Rate Revisions
(18 CFR § 35.13 (d)(7))**

I, John D. Jenkins, attest that I am Vice President of Electric Engineering and Construction for San Diego Gas & Electric ("SDG&E"), and to the best of my knowledge and belief, the cost of service statements and supporting data submitted as part of this filing are true, accurate, and current representations of SDG&E's books and other corporate documents.

OCTOBER 27TH, 2017
Date


John D. Jenkins

.....

California All-Purpose Acknowledgement

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
)
County of San Diego)

On October 27, 2017 before me, Ann Heppler, a Notary Public, personally appeared **John D. Jenkins**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Ann Heppler, Notary Public



San Diego Gas & Electric Company
2018 TRBAA Rate Filing

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

ER 18-____- ____

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

Attachment – E (Cont'd)

A. Statement BD - Allocation Energy and Supporting Data

ER18-_____-_____

Statement BD														
San Diego Gas & Electric Company														
2018 - TRBAA Rate Filing														
Allocation Energy and Supporting Data														
		(A)	(B)	(C) = (A) - (B)										
Line	Date	Retail Energy Sales @ Meter Level Plus Sale for Resale	Sale for Resale (City of Escondido) ¹	Retail Energy Sales @ Meter Level Net of Sale for Resale									Reference	Line No.
1	Oct-16	1,788,571,971	10,162	1,788,561,809									Workpaper No. 1; Page 1.1; Lines 30; 29	1
2	Nov-16	1,582,445,958	6,571	1,582,439,387									Workpaper No. 1; Page 1.1; Lines 30; 29	2
3	Dec-16	1,558,456,842	9,301	1,558,447,541									Workpaper No. 1; Page 1.1; Lines 30; 29	3
4	Jan-17	1,622,397,312	7,733	1,622,389,579									Workpaper No. 1; Page 1.1; Lines 30; 29	4
5	Feb-17	1,436,988,975	-	1,436,988,975									Workpaper No. 1; Page 1.1; Lines 30; 29	5
6	Mar-17	1,492,177,701	13,934	1,492,163,767									Workpaper No. 1; Page 1.1; Lines 30; 29	6
7	Apr-17	1,415,367,499	-	1,415,367,499									Workpaper No. 1; Page 1.1; Lines 30; 29	7
8	May-17	1,391,684,136	-	1,391,684,136									Workpaper No. 1; Page 1.1; Lines 30; 29	8
9	Jun-17	1,543,819,567	31,400	1,543,788,167									Workpaper No. 1; Page 1.1; Lines 30; 29	9
10	Jul-17	1,723,518,461	11,565	1,723,506,896									Workpaper No. 1; Page 1.1; Lines 30; 29	10
11	Aug-17	1,748,332,271	11,395	1,748,320,876									Workpaper No. 1; Page 1.1; Lines 30; 29	11
12	Sep-17	1,931,384,465	-	1,931,384,465									Workpaper No. 1; Page 1.1; Lines 30; 29	12
13														13
14														14
15	Total	19,235,145,158	102,061	19,235,043,097									Sum Lines 1 thru 12	15
¹	City of Escondido sales are excluded from the K Wh total because they are classified as sales to wholesale customers.													

Statement BD

San Diego Gas & Electric Company

2018 - 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) ¹	Retail Energy Sales @ Meter Level Net of Sale for Resale		
1	Jan-18	1,645,886,279	8,505	1,645,877,774	Workpaper No. 1; Page 1.2; Lines 30; 29	1
2	Feb-18	1,525,344,579	8,505	1,525,336,074	Workpaper No. 1; Page 1.2; Lines 30; 29	2
3	Mar-18	1,499,578,641	8,505	1,499,570,136	Workpaper No. 1; Page 1.2; Lines 30; 29	3
4	Apr-18	1,457,396,683	8,505	1,457,388,178	Workpaper No. 1; Page 1.2; Lines 30; 29	4
5	May-18	1,489,143,896	8,505	1,489,135,391	Workpaper No. 1; Page 1.2; Lines 30; 29	5
6	Jun-18	1,558,457,694	8,505	1,558,449,189	Workpaper No. 1; Page 1.2; Lines 30; 29	6
7	Jul-18	1,727,684,176	8,505	1,727,675,671	Workpaper No. 1; Page 1.2; Lines 30; 29	7
8	Aug-18	1,719,892,971	8,505	1,719,884,466	Workpaper No. 1; Page 1.2; Lines 30; 29	8
9	Sep-18	1,918,718,114	8,505	1,918,709,609	Workpaper No. 1; Page 1.2; Lines 30; 29	9
10	Oct-18	1,703,912,846	8,505	1,703,904,341	Workpaper No. 1; Page 1.2; Lines 30; 29	10
11	Nov-18	1,568,600,564	8,505	1,568,592,059	Workpaper No. 1; Page 1.2; Lines 30; 29	11
12	Dec-18	1,588,884,889	8,505	1,588,876,384	Workpaper No. 1; Page 1.2; Lines 30; 29	12
13						13
14						14
15	Total	19,403,501,333	102,061	19,403,399,272	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							
2018 - TRBAA Rate Filing							
January 2018 - December 2018 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 Energy Sales @ Transmission Level	Reference	Line No.
1	Jan-18	1,645,886	9	1,645,878	1,714,643	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	1
2	Feb-18	1,525,345	9	1,525,336	1,589,065	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	2
3	Mar-18	1,499,579	9	1,499,570	1,562,222	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	3
4	Apr-18	1,457,397	9	1,457,388	1,518,278	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	4
5	May-18	1,489,144	9	1,489,135	1,551,351	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	5
6	Jun-18	1,558,458	9	1,558,449	1,623,561	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	6
7	Jul-18	1,727,684	9	1,727,676	1,799,858	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	7
8	Aug-18	1,719,893	9	1,719,884	1,791,741	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	8
9	Sep-18	1,918,718	9	1,918,710	1,998,873	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	9
10	Oct-18	1,703,913	9	1,703,904	1,775,093	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	10
11	Nov-18	1,568,601	9	1,568,592	1,634,128	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	11
12	Dec-18	1,588,885	9	1,588,876	1,655,260	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	12
13							13
14	Total	19,403,501	102	19,403,399	20,214,073	Sum Lines 1 thru 12	14
15							15
16	Retail Sales Forecast @ Meter Level			19,403,399		Col. C; Line 14	16
17							17
18							18
19	Transmission Loss Factor ²	38,294,150	39,893,962	1.04178		Column B / Column A	19
20							20
21							21
22	Retail Sales Forecast @ Transmission Level				20,214,073	Col. D; Line 14	22
23							23
24	Olivenhain-Hodges Pumped Storage Facility ³				69,870	Statement BD; Page 4 of 4	24
25							25
26	Total Gross Load Forecast				20,283,944	Sum Lines 22 thru 24	26
1	This information is used for CAISO TAC purposes as shown in Statement BL -Wholesale. The sales forecast excludes Sale for Resale.						
2	Per anticipated Cost Statement BB; Page 1; Line 22 that will be filed in the TO4-Cycle 5 on December 1, 2017.						
	The 1.04178 factor is used to convert the retail sales forecast at meter level up to the transmission level.						
3	Energy used for pumping at the Olivenhain-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 2018 - December 2018
MWH SALES FORECAST @ Transmission Level

2018 (MWh)	1	2	3	4	5	6	7	8	9	10	11	12	Total
Lake Hodges Pumping Load	6,870	6,030	4,840	6,460	6,600	5,540	5,550	5,510	5,010	6,240	4,430	6,030	69,110
Primary Level Distribution Loss Factor													1.0110
Total Lake Hodges Pumping Load													69,870

San Diego Gas & Electric Company

Attachment E – (Cont'd)

B. Statement BG - Revenue Data to Reflect Changed Rates

ER18-_____-_____

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, 2018						
Line No.	Customer Classes	(A) (Statement BG) 2018 TRBAA Revenues @ Changed Rates	(B) (Statement BH) 2018 TRBAA Revenues @ Present Rates ¹	(C) = (A) - (B) (\$ Change)	(D) = (C) / (B) (%) Change	Reference
1	Residential Customers	\$ (4,625,845)	\$ (11,234,195)	\$ 6,608,350	-58.82%	Statement BG; Page 2 of 4; Line 14
2						Statement BH; Page 1 of 3; Line 14
3	Small Commercial Customers	(1,570,635)	(3,814,399)	2,243,764	-58.82%	Statement BG; Page 2 of 4; Line 16
4						Statement BH; Page 1 of 3; Line 16
5	Medium and Large Commercial/Industrial	(7,115,363)	(17,280,167)	10,164,804	-58.82%	Statement BG; Page 2 of 4; Line 18
6						Statement BH; Page 1 of 3; Line 18
7	Agriculture (PA and TOU-PA)	(58,296)	(141,577)	83,280	-58.82%	Statement BG; Page 2 of 4; Line 20
8						Statement BH; Page 1 of 3; Line 20
9	Agriculture (PA-T-1)	(152,916)	(371,367)	218,451	-58.82%	Statement BG; Page 2 of 4; Line 22
10						Statement BH; Page 1 of 3; Line 22
11	Street Lighting Customers	(59,325)	(144,074)	84,750	-58.82%	Statement BG; Page 2 of 4; Line 24
12						Statement BH; Page 1 of 3; Line 24
13						
14	Grand Total	\$ (13,582,379)	\$ (32,985,779)	\$ 19,403,399	-58.82%	Sum Lines 1 through 11
1	Present rates are defined as rates effective pursuant to ER 17-279.					

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, 2018												
Line No.	Customer Classes	(A) Jan-18	(B) Feb-18	(C) Mar-18	(D) Apr-18	(E) May-18	(F) Jun-18	(G)				Line No.
1	Residential ¹	\$ (435,290)	\$ (375,314)	\$ (358,457)	\$ (329,991)	\$ (331,864)	\$ (347,705)					1
2												2
3	Small Commercial ²	(129,049)	(123,873)	(123,338)	(121,074)	(123,283)	(128,684)					3
4												4
5	Medium and Large Commercial/Industrial ³	(569,228)	(549,698)	(549,513)	(548,932)	(564,523)	(589,199)					5
6												6
7	Agriculture (PA and TOU-PA) ⁴	(3,404)	(3,724)	(3,487)	(4,179)	(4,772)	(5,620)					7
8												8
9	Agriculture (PA-T-1) ⁵	(10,030)	(10,247)	(10,011)	(11,241)	(13,168)	(14,707)					9
10												10
11	Street Lighting ⁶	(5,114)	(4,879)	(4,892)	(4,754)	(4,785)	(5,000)					11
12												12
13	TOTAL	\$ (1,152,114)	\$ (1,067,735)	\$ (1,049,699)	\$ (1,020,172)	\$ (1,042,395)	\$ (1,090,914)					13
		(A)	(B)	(C)	(D)	(E)	(F)	(G)				
Line No.	Customer Classes	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total				Line No.
14	Residential ¹	\$ (398,874)	\$ (410,961)	\$ (473,453)	\$ (404,816)	\$ (358,648)	\$ (400,472)	\$ (4,625,845)				14
15												15
16	Small Commercial ²	(140,919)	(140,114)	(152,213)	(137,702)	(126,196)	(124,190)	(1,570,635)				16
17												17
18	Medium and Large Commercial/Industrial ³	(642,466)	(626,923)	(689,972)	(625,910)	(591,051)	(567,948)	(7,115,363)				18
19												19
20	Agriculture (PA and TOU-PA) ⁴	(6,241)	(6,046)	(6,417)	(5,578)	(4,850)	(3,979)	(58,296)				20
21												21
22	Agriculture (PA-T-1) ⁵	(15,802)	(15,038)	(15,951)	(13,870)	(12,347)	(10,503)	(152,916)				22
23												23
24	Street Lighting ⁶	(5,072)	(4,837)	(5,092)	(4,855)	(4,923)	(5,122)	(59,325)				24
25												25
26	TOTAL	\$ (1,209,373)	\$ (1,203,919)	\$ (1,343,097)	\$ (1,192,733)	\$ (1,098,014)	\$ (1,112,213)	\$ (13,582,379)				26
1	See Stmt BG pages 3 of 4 and 4 of 4, Line 33.											
2	See Stmt BG pages 3 of 4 and 4 of 4, Line 35.											
3	See Stmt BG pages 3 of 4 and 4 of 4, Line 37.											

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, 2018									
Line No.	(A) Jan-18 Energy (kWh)	(B) Feb-18 Energy (kWh)	(C) Mar-18 Energy (kWh)	(D) Apr-18 Energy (kWh)	(E) May-18 Energy (kWh)	(F) Jun-18 Energy (kWh)	(G) Reference		
1	621,843,019	536,163,070	512,081,305	471,415,819	474,091,423	496,721,973	Workpaper No. 1; Page 1.2; Line 23		
2									
3	184,355,186	176,961,069	176,197,042	172,963,024	176,118,744	183,833,900	Workpaper No. 1; Page 1.2; Line 24		
4									
5	813,182,465	785,283,290	785,018,857	784,189,048	806,461,861	841,712,599	Workpaper No. 1; Page 1.2; Line 25		
6	4,862,807	5,319,603	4,981,767	5,969,612	6,816,557	8,028,285	Workpaper No. 1; Page 1.2; Line 26		
7	14,328,067	14,638,451	14,302,113	16,058,994	18,810,916	21,010,029	Workpaper No. 1; Page 1.2; Line 27		
8									
9	7,306,230	6,970,591	6,989,052	6,791,681	6,835,890	7,142,403	Workpaper No. 1; Page 1.2; Line 28		
10									
11	1,645,877,774	1,525,336,074	1,499,570,136	1,457,388,178	1,489,135,391	1,558,449,189	Sum Lines 1 thru 11		
12									
13									
14									
15									
16	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)			
17									
18	Residential Customers	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	Statement BL; Page 1; Line 27		
19									
20	Small Commercial	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	Statement BL; Page 1; Line 27		
21									
22	Medium and Large Commercial/Industrial	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	Statement BL; Page 1; Line 27		
23									
24	Agriculture (PA and TOU-PA)	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	Statement BL; Page 1; Line 27		
25									
26	Agriculture (PA-T-1)	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	Statement BL; Page 1; Line 27		
27									
28	Street Lighting	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	\$(0.00070)	Statement BL; Page 1; Line 27		
29									
30									
31	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates			
32									
33	Residential Customers	\$(435,290)	\$(375,314)	\$(358,457)	\$(329,991)	\$(347,705)	Line 1 x Line 18		
34									
35	Small Commercial	(129,049)	(123,873)	(123,338)	(121,074)	(128,684)	Line 3 x Line 20		
36									
37	Medium and Large Commercial/Industrial	(569,228)	(549,698)	(549,513)	(548,932)	(589,199)	Line 5 x Line 22		
38									
39	Agriculture (PA and TOU-PA)	(3,404)	(3,724)	(3,487)	(4,179)	(5,620)	Line 7 x Line 24		
40									
41	Agriculture (PA-T-1)	(10,030)	(10,247)	(10,011)	(11,241)	(14,707)	Line 9 x Line 26		
42									
43	Street Lighting	(5,114)	(4,879)	(4,892)	(4,754)	(5,000)	Line 11 x Line 28		
44									
45	TOTAL	\$(1,152,114)	\$(1,067,735)	\$(1,049,699)	\$(1,020,172)	\$(1,090,914)	Sum Lines 33 through 43		

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, 2018												
Line No.	Customer Classes	(H) Jul-18 Energy (kWh)	(I) Aug-18 Energy (kWh)	(J) Sep-18 Energy (kWh)	(K) Oct-18 Energy (kWh)	(L) Nov-18 Energy (kWh)	(M) Dec-18 Energy (kWh)	(N) Total Energy (kWh)	(O) Reference	Line No.		
1	Residential Customers	569,819,400	587,087,470	676,361,735	578,308,738	512,353,615	572,102,628	6,608,350,195	Workpaper No. 1; Page 1.2; Line 23	1		
2										2		
3	Small Commercial	201,312,702	200,162,585	217,447,642	196,717,694	180,280,142	177,414,102	2,243,763,832	Workpaper No. 1; Page 1.2; Line 24	3		
4										4		
5	Medium and Large Commercial/Industrial	917,808,168	895,604,554	985,673,627	894,157,759	844,357,938	811,353,945	10,164,804,111	Workpaper No. 1; Page 1.2; Line 25	5		
6										6		
7	Agriculture (PA and TOU-PA)	8,915,685	8,636,954	9,166,463	7,969,244	6,929,257	5,684,113	83,280,347	Workpaper No. 1; Page 1.2; Line 26	7		
8										8		
9	Agriculture (PA-T-1)	22,574,583	21,483,551	22,786,498	19,814,555	17,638,959	15,004,453	218,451,169	Workpaper No. 1; Page 1.2; Line 27	9		
10										10		
11	Street Lighting	7,245,133	6,909,352	7,273,644	6,936,351	7,032,148	7,317,143	84,749,618	Workpaper No. 1; Page 1.2; Line 28	11		
12										12		
13	TOTAL	1,727,675,671	1,719,884,466	1,918,709,609	1,703,904,341	1,568,592,059	1,588,876,384	19,403,399,272	Sum Lines 1 thru 11	13		
14										14		
15										15		
16										16		
17										17		
18	Residential Customers	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	Statement BL; Page 1; Line 27	18		
19										19		
20	Small Commercial	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	Statement BL; Page 1; Line 27	20		
21										21		
22	Medium and Large Commercial/Industrial	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	Statement BL; Page 1; Line 27	22		
23										23		
24	Agriculture (PA and TOU-PA)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	Statement BL; Page 1; Line 27	24		
25										25		
26	Agriculture (PA-T-1)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	Statement BL; Page 1; Line 27	26		
27										27		
28	Street Lighting	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	\$ (0.00070)	Statement BL; Page 1; Line 27	28		
29										29		
30										30		
31		Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates		31		
32										32		
33	Residential Customers	\$ (398,874)	\$ (410,961)	\$ (473,453)	\$ (404,816)	\$ (358,648)	\$ (400,472)	\$ (4,625,845)	Line 1 x Line 18	33		
34										34		
35	Small Commercial	(140,919)	(140,114)	(152,213)	(137,702)	(126,196)	(124,190)	(1,570,635)	Line 3 x Line 20	35		
36										36		
37	Medium and Large Commercial/Industrial	(642,466)	(626,923)	(689,972)	(625,910)	(591,051)	(567,948)	(7,115,363)	Line 5 x Line 22	37		
38										38		
39	Agriculture (PA and TOU-PA)	(6,241)	(6,046)	(6,417)	(5,578)	(4,850)	(3,979)	(58,296)	Line 7 x Line 24	39		
40										40		
41	Agriculture (PA-T-1)	(15,802)	(15,038)	(15,951)	(13,870)	(12,347)	(10,503)	(152,916)	Line 9 x Line 26	41		
42										42		
43	Street Lighting	(5,072)	(4,837)	(5,092)	(4,855)	(4,923)	(5,122)	(59,325)	Line 11 x Line 28	43		
44										44		
45	TOTAL	\$ (1,209,373)	\$ (1,203,919)	\$ (1,343,097)	\$ (1,192,733)	\$ (1,098,014)	\$ (1,112,213)	\$ (13,582,379)	Sum Lines 33 through 43	45		

San Diego Gas & Electric Company

Attachment – E (Cont'd)

C. Statement BH - Revenue Data to Reflect Present Rates

ER18-____-000

Statement BH												
SAN DIEGO GAS & ELECTRIC COMPANY												
Transmission Revenue Balancing Account Adjustment (TRBAA) Revenue Data To Reflect Present Rates per ER17-279												
Rate Effective Period - Twelve Months Ending December 31, 2018												
Line No.	Customer Classes	(A) Jan-18	(B) Feb-18	(C) Mar-18	(D) Apr-18	(E) May-18	(F) Jun-18	(G)				
1	Residential ¹	\$ (1,057,133)	\$ (911,477)	\$ (870,538)	\$ (801,407)	\$ (805,955)	\$ (844,427)					
2												
3	Small Commercial ²	(313,404)	(300,834)	(299,535)	(294,037)	(299,402)	(312,518)					
4												
5	Medium and Large Commercial/Industrial ³	(1,382,410)	(1,334,982)	(1,334,532)	(1,333,121)	(1,370,985)	(1,430,911)					
6												
7	Agriculture (PA and TOU-PA) ⁴	(8,267)	(9,043)	(8,469)	(10,148)	(11,588)	(13,648)					
8												
9	Agriculture (PA-T-1) ⁵	(24,358)	(24,885)	(24,314)	(27,300)	(31,979)	(35,717)					
10												
11	Street Lighting ⁶	(12,421)	(11,850)	(11,881)	(11,546)	(11,621)	(12,142)					
12												
13	TOTAL	\$ (2,797,992)	\$ (2,593,071)	\$ (2,549,269)	\$ (2,477,560)	\$ (2,531,530)	\$ (2,649,364)					
		(A)	(B)	(C)	(D)	(E)	(F)	(G)				
Line No.	Customer Classes	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total				
14	Residential ¹	\$ (968,693)	\$ (998,049)	\$ (1,149,815)	\$ (983,125)	\$ (871,001)	\$ (972,574)	\$ (11,234,195)				
15												
16	Small Commercial ²	(342,232)	(340,276)	(369,661)	(334,420)	(306,476)	(301,604)	(3,814,399)				
17												
18	Medium and Large Commercial/Industrial ³	(1,560,274)	(1,522,528)	(1,675,645)	(1,520,068)	(1,435,408)	(1,379,302)	(17,280,167)				
19												
20	Agriculture (PA and TOU-PA) ⁴	(15,157)	(14,683)	(15,583)	(13,548)	(11,780)	(9,663)	(141,577)				
21												
22	Agriculture (PA-T-1) ⁵	(38,377)	(36,522)	(38,737)	(33,685)	(29,986)	(25,508)	(371,367)				
23												
24	Street Lighting ⁶	(12,317)	(11,746)	(12,365)	(11,792)	(11,955)	(12,439)	(144,074)				
25												
26	TOTAL	\$ (2,937,049)	\$ (2,923,804)	\$ (3,261,806)	\$ (2,896,637)	\$ (2,666,607)	\$ (2,701,090)	\$ (32,985,779)				
1												
2												
3												
1	See Stmt BH pages 2 of 3 and 3 of 3, Line 33.											
2	See Stmt BH pages 2 of 3 and 3 of 3, Line 35.											
3	See Stmt BH pages 2 of 3 and 3 of 3, Line 37.											

Statement BH							
SAN DIEGO GAS AND ELECTRIC COMPANY							
Transmission Revenue Balancing Account Adjustment (TRBAA) Revenue Data To Reflect Present Rates per ER17-279							
Rate Effective Period - Twelve Months Ending December 31, 2018							
Line No.	(A) Jan-18 Energy (kWh)	(B) Feb-18 Energy (kWh)	(C) Mar-18 Energy (kWh)	(D) Apr-18 Energy (kWh)	(E) May-18 Energy (kWh)	(F) Jun-18 Energy (kWh)	(F) Reference
1	621,843,019	536,163,070	512,081,305	471,415,819	474,091,423	496,721,973	Workpaper No. 1; Page 1.2; Line 23
2							
3	184,355,186	176,961,069	176,197,042	172,963,024	176,118,744	183,833,900	Workpaper No. 1; Page 1.2; Line 24
4							
5	813,182,465	785,283,290	785,018,857	784,189,048	806,461,861	841,712,599	Workpaper No. 1; Page 1.2; Line 25
6							
7	4,862,807	5,319,603	4,981,767	5,969,612	6,816,557	8,028,285	Workpaper No. 1; Page 1.2; Line 26
8							
9	14,328,067	14,638,451	14,302,113	16,058,994	18,810,916	21,010,029	Workpaper No. 1; Page 1.2; Line 27
10							
11	7,306,230	6,970,591	6,989,052	6,791,681	6,835,890	7,142,403	Workpaper No. 1; Page 1.2; Line 28
12							
13	1,645,877,774	1,525,336,074	1,499,570,136	1,457,388,178	1,489,135,391	1,558,449,189	Sum Lines 1 thru 11
14							
15							
16	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	
17							
18	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	Statement BL-Retail; Page 1; Line 27
19							FERC Docket No. ER17-279-000
20	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	Statement BL-Retail; Page 1; Line 27
21							FERC Docket No. ER17-279-000
22	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	Statement BL-Retail; Page 1; Line 27
23							FERC Docket No. ER17-279-000
24	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	Statement BL-Retail; Page 1; Line 27
25							FERC Docket No. ER17-279-000
26	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	Statement BL-Retail; Page 1; Line 27
27							FERC Docket No. ER17-279-000
28	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	\$(0.00170)	Statement BL-Retail; Page 1; Line 27
29							FERC Docket No. ER17-279-000
30							
31	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	
32							
33	\$(1,057,133)	\$(911,477)	\$(870,538)	\$(801,407)	\$(805,955)	\$(844,427)	Line 1 x Line 18
34							
35	\$(3,404)	\$(300,834)	\$(299,555)	\$(294,037)	\$(299,402)	\$(312,518)	Line 3 x Line 20
36							
37	\$(1,382,410)	\$(1,334,982)	\$(1,334,532)	\$(1,333,121)	\$(1,370,985)	\$(1,430,911)	Line 5 x Line 22
38							
39	\$(8,267)	\$(9,043)	\$(8,469)	\$(10,148)	\$(11,588)	\$(13,648)	Line 7 x Line 24
40							
41	\$(24,358)	\$(24,885)	\$(24,314)	\$(27,300)	\$(31,979)	\$(35,717)	Line 9 x Line 26
42							
43	\$(12,421)	\$(11,850)	\$(11,881)	\$(11,546)	\$(11,621)	\$(12,142)	Line 11 x Line 28
44							
45	\$(2,797,992)	\$(2,593,071)	\$(2,549,269)	\$(2,477,560)	\$(2,531,530)	\$(2,649,364)	Sum Lines 33 through 43

Statement BH												
SAN DIEGO GAS AND ELECTRIC COMPANY												
Transmission Revenue Balancing Account Adjustment (TRBAA) Revenue Data To Reflect Present Rates per ER17-279												
Rate Effective Period - Twelve Months Ending December 31, 2018												
Line No.	Customer Classes	(G) Jul-18 Energy (kWh)	(H) Aug-18 Energy (kWh)	(I) Sep-18 Energy (kWh)	(J) Oct-18 Energy (kWh)	(K) Nov-18 Energy (kWh)	(L) Dec-18 Energy (kWh)	(M) Total Energy (kWh)	(M) Reference	Line No.		
1	Residential Customers	569,819,400	587,087,470	676,361,735	578,308,738	512,353,615	572,102,628	6,608,350,195	Workpaper No. 1; Page 1.2; Line 23	1		
2										2		
3	Small Commercial	201,312,702	200,162,585	217,447,642	196,717,694	180,280,142	177,414,102	2,243,763,832	Workpaper No. 1; Page 1.2; Line 24	3		
4										4		
5	Medium and Large Commercial/Industrial	917,808,168	895,604,554	985,673,627	894,157,759	844,357,938	811,353,945	10,164,804,111	Workpaper No. 1; Page 1.2; Line 25	5		
6										6		
7	Agriculture (PA and TOU-PA)	8,915,685	8,636,954	9,166,463	7,969,244	6,929,257	5,684,113	83,280,347	Workpaper No. 1; Page 1.2; Line 26	7		
8										8		
9	Agriculture (PA-T-1)	22,574,583	21,483,551	22,786,498	19,814,555	17,638,959	15,004,453	218,451,169	Workpaper No. 1; Page 1.2; Line 27	9		
10										10		
11	Street Lighting	7,245,133	6,909,352	7,273,644	6,936,351	7,032,148	7,317,143	84,749,618	Workpaper No. 1; Page 1.2; Line 28	11		
12										12		
13	TOTAL	1,727,675,671	1,719,884,466	1,918,709,609	1,703,904,341	1,568,592,059	1,588,876,384	19,403,399,272	Sum Lines 1 thru 11	13		
14										14		
15										15		
16										16		
17										17		
18	Residential Customers	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL-Retail; Page 1; Line 27	18		
19									FERC Docket No. ER17-279-000	19		
20	Small Commercial	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL-Retail; Page 1; Line 27	20		
21									FERC Docket No. ER17-279-000	21		
22	Medium and Large Commercial/Industrial	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL-Retail; Page 1; Line 27	22		
23									FERC Docket No. ER17-279-000	23		
24	Agriculture (PA and TOU-PA)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL-Retail; Page 1; Line 27	24		
25									FERC Docket No. ER17-279-000	25		
26	Agriculture (PA-T-1)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL-Retail; Page 1; Line 27	26		
27									FERC Docket No. ER17-279-000	27		
28	Street Lighting	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL-Retail; Page 1; Line 27	28		
29									FERC Docket No. ER17-279-000	29		
30										30		
31		TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	31		
32										32		
33	Residential Customers	\$ (968,693)	\$ (998,049)	\$ (1,149,815)	\$ (983,125)	\$ (871,001)	\$ (972,574)	\$ (11,234,195)	Line 1 x Line 18	33		
34										34		
35	Small Commercial	(342,232)	(340,276)	(369,661)	(334,420)	(306,476)	(301,604)	(3,814,399)	Line 3 x Line 20	35		
36										36		
37	Medium and Large Commercial/Industrial	(1,560,274)	(1,522,528)	(1,675,645)	(1,520,068)	(1,435,408)	(1,379,302)	(17,280,167)	Line 5 x Line 22	37		
38										38		
39	Agriculture (PA and TOU-PA)	(15,157)	(14,683)	(15,583)	(13,548)	(11,780)	(9,663)	(141,577)	Line 7 x Line 24	39		
40										40		
41	Agriculture (PA-T-1)	(38,377)	(36,522)	(38,737)	(33,685)	(29,986)	(25,508)	(371,367)	Line 9 x Line 26	41		
42										42		
43	Street Lighting	(12,317)	(11,746)	(12,365)	(11,792)	(11,955)	(12,439)	(144,074)	Line 11 x Line 28	43		
44										44		
45	TOTAL	\$ (2,937,049)	\$ (2,923,804)	\$ (3,261,806)	\$ (2,896,637)	\$ (2,666,607)	\$ (2,701,090)	\$ (32,985,779)	Sum Lines 33 through 43	45		

San Diego Gas & Electric Company

Attachment – E (Cont'd)

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

ER18-_____-000

		Statement BK-1		
		San Diego Gas & Electric Company		
		2018 - 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 @ 9/30/2017	\$ (5,447,541)	Work paper No. 4; Page 4.4; Line 32	1
2				2
3	Transmission Revenue Credits Forecast:			3
4				4
5	Wheeling Revenues	(5,418,316)	Work paper No. 7; Page 7.2; Line 23	5
6				6
7	Settlements, Metering and Client Relations	12,000	Work paper No. 8; Page 8.2; Line 24	7
8				8
9	Existing Transmission Contract (ETC) Cost Differentials	(478,055)	Work paper No. 9; Page 9.2; Line 16	9
10				10
11	Other PTO Related Revenue (Credits)/Charges	(1,969,599)	Work paper No. 11; Page 11.2; Line 29	11
12				12
13	Total Transmission Revenue Credits Forecast	\$ (7,853,970)	Sum {Line 5 thru Line 11}	13
14				14
15	Total TRBAA Before Franchise Fees and Uncollectibles	\$ (13,301,511)	Line 1 + Line 13	15
16				16
17	Franchise Fees Expense @ 1.0277%	(136,700)	Line 15 x 1.0277%	17
18				18
19	Uncollectibles @ 0.1740 %	(23,145)	Line 15 x 0.1740%	19
20				20
21	Total Franchise Fees and Uncollectible	(159,844)	Line 17 + Line 19	21
22				22
23	Total Retail TRBAA Forecast Including FF&U	\$ (13,461,355)	Line 15 + Line 21	23

San Diego Gas & Electric Company

Attachment – E (Cont'd)

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

ER18-_____-000

		Statement BK-2			
		San Diego Gas & Electric Company			
		2018 - TRBAA Rate Filing			
		Wholesale Customers - HVTRR & LVTRR Calculation			
Line No.	Components	(A) Total HIGH VOLTAGE Transmission Revenue Requirements	(B) Total LOW VOLTAGE Transmission Revenue Requirements	(C) = (A) + (B) Total Transmission Revenue Requirements	Reference
1	Wholesale Base Transmission Revenue Requirement ¹	\$ 530,419,000	\$ 287,285,000	\$ 817,704,000	See Note 1
2					
3	Beginning TRBAA Balance @ 9/30/2017	(5,132,498)	(315,043)	(5,447,541)	Work paper No. 2 Page 2.1; Line 15
4					
5	<u>Transmission Revenue Credits Forecast:</u>				
6					
7	Wheeling Revenues	(5,418,316)	-	(5,418,316)	Work paper No. 7; Page 7.2; Line 23
8					
9	Settlements, Metering and Client Relations	7,768	4,232	12,000	Work paper No. 8; Page 8.2; Line 24
10					
11	ETC Cost Differentials	(309,446)	(168,609)	(478,055)	Work paper No. 9; Page 9.2; Line 16
12					
13	Other PTO Related Revenue (Credits)/Charges	(1,679,763)	(289,835)	(1,969,599)	Work paper No. 11; Page 11.2; Line 29
14					
15	Total Transmission Revenue Credits Forecast	\$ (7,399,758)	\$ (454,212)	\$ (7,853,970)	Sum {Line 7 through Line 13}
16					
17	Total Wholesale TRBAA Before Franchise Fees	\$ (12,532,256)	\$ (769,255)	(13,301,511)	Line 3 + Line 15
18					
19	Franchise Fees Expense @ 1.0277%	(128,794)	(7,906)	(136,700)	Line 17 x 1.0277%
20					
21	Total Wholesale TRBAA Forecast Including Franchise Fees	\$ (12,661,050)	\$ (777,161)	(13,438,211)	Line 17 + Line 19
22					
23	Transmission Standby Revenues ²	(8,379,370)	(4,538,426)	(12,917,796)	Work paper No. 3; Page 3.1; Line 7
24					
25	Wholesale Transmission Revenue Requirement	\$ 509,378,580	\$ 281,969,413	\$ 791,347,993	Line 1 + Line 21 + Line 23
¹	Per anticipated Statement BK2-Wholesale Base TRR information from SDG&E's Informational Filing in TO4-Cycle 5 that will be filed with the FERC on December 1, 2017.				
²	Per anticipated Standby Revenue amount of \$12,917,796 from Cost Statement BG; Page 1; Column A; Line 24 that will be filed in the TO4 Cycle 5 on December 1, 2017.				

San Diego Gas & Electric Company

Attachment – E (Cont'd)

F. Statement – BL
Retail TRBAA Rate Calculation

ER18-_____-000

Statement BL			
San Diego Gas & Electric Company			
2018 - TRBAA Rate Filing			
Retail TRBAA Rate Calculation			
Line No.	Components	Total Retail - TRBAA	Reference
1	Beginning TRBAA Balance @ 9/30/2017	\$ (5,447,541)	Work paper No. 4; Page 4.4; Line 32
2			
3	Transmission Revenue Credits Forecast:		
4			
5	Wheeling Revenues	(5,418,316)	Work paper No. 7; Page 7.2; Line 23
6			
7	Settlements, Metering and Client Relations	12,000	Work paper No. 8; Page 8.2; Line 24
8			
9	ETC Cost Differentials	(478,055)	Work paper No. 9; Page 9.2; Line 16
10			
11	Other PTO Related Revenue (Credits)/Charges	(1,969,599)	Work paper No. 11; Page 11.2; Line 29
12			
13	Total Transmission Revenue Credits Forecast	(7,853,970)	Sum {Line 5 through Line 11}
14			
15	Total TRBAA Before Franchise Fees and Uncollectibles	\$ (13,301,511)	Line 1 + Line 13
16			
17	Franchise Fees Expense @ 1.0277%	(136,700)	Line 15 x 1.0277%
18			
19	Uncollectibles @ 0.1740 %	(23,145)	Line 15 x 0.1740%
20			
21	Total Franchise Fees and Uncollectible	(159,844)	Line 17 + Line 19
22			
23	Total Retail TRBAA Forecast Including FF&U	\$ (13,461,355)	Line 15 + Line 21
24			
25	12 Months kWh Ending September 30, 2017	19,235,043,097	Statement BD; Pg. 1 of 4; Col. C; Ln. 15
26			
27	Retail TRBAA Rate (\$/kWh)	\$ (0.00070)	Line 23 / Line 25

San Diego Gas & Electric Company

Attachment – E (Cont'd)

G. Statement – BL Wholesale TRBAA Rate Calculation

ER18-_____-000

**Statement BL
San Diego Gas & Electric Company
2018 - TRBAA Rate Filing**

**2018 - 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	Combined TRR		
1	Wholesale Base Transmission Revenue Requirement ¹	\$ 530,419,000	\$ 287,285,000	\$ 817,704,000	See Note 1	1
2						2
3	Total Wholesale TRBAA ²	(12,661,050)	(777,161)	(13,438,211)	Statement BK-2; Page 1; Line 21	3
4						4
5	Transmission Standby Revenue ³	(8,379,370)	(4,538,426)	(12,917,796)	See Note 3	5
6						6
7	Wholesale Transmission Revenue Requirements	\$ 509,378,580	\$ 281,969,413	\$ 791,347,993	Sum (Lines 1, 3, & 5)	7
8						8
9	Gross Load - MWh	20,283,944	20,283,944	20,283,944	Statement BD; Page 3 of 4; Line 26; Col. D	9
10						10
11	Utility Specific Access Charges (\$/MWh)	\$ 25,1124	\$ 13,9011	\$ 39,0135	Line 7 / Line 9	11

NOTES:
¹ Per anticipated Statement BK2-Wholesale Base TRR information from SDG&E's Informational Filing in TO4-Cycle 5 that will be filed with the FERC on December 1, 2017.
² The Wholesale TRBAA amount comes from the instant filing, in Statement BK-2; Page 1; Line 21
³ Per anticipated Standby Revenue amount of \$12,917,796 from Cost Statement BG; Page 1; Column A; Line 24 that will be filed in the TO4 Cycle 5 on December 1, 2017.

San Diego Gas & Electric Company

Attachment – E (Cont'd)

H. TRBAA Work Papers

ER18-_____-000

Work Paper - 1
12-Month Recorded Sales Ending 9/30/2017
& 12-Month Forecast Sales from
1/1/2018 thru 12/31/2018

Line No.	System Delivery Determinants	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Total
1	Customer Class Deliveries (MWh)													
2	Residential	580,239	516,743	558,579	631,943	544,879	496,264	451,122	457,205	480,712	607,055	659,476	673,473	6,657,690
3	Small Commercial	206,798	182,583	178,730	174,784	166,895	181,453	173,468	173,480	183,018	201,167	201,646	212,846	2,236,868
4	Med. & Large Comm./Ind.	961,503	848,180	788,985	791,612	706,905	786,380	761,891	724,626	842,775	874,793	846,193	1,006,695	9,940,537
5	Agriculture (PA)	10,080	8,158	6,495	4,312	3,842	4,396	7,219	8,419	8,959	10,646	94,785	11,198	94,785
6	Agriculture (PA-T-1)	20,924	19,508	20,607	10,807	7,453	14,313	16,791	21,044	19,172	24,692	25,407	19,670	220,389
7	Lighting	9,018	7,268	5,051	8,932	7,016	9,258	4,876	6,911	9,153	4,839	4,952	7,502	84,775
8	Sale for Resale	10.2	6.6	9.3	7.7	13.9	0.0	0.0	0.0	31.4	11.6	11.4	0.0	102.9
9	Total System	1,788,572	1,582,446	1,558,457	1,622,397	1,436,989	1,492,178	1,415,367	1,391,684	1,543,820	1,723,518	1,748,332	1,931,384	19,235,145
10	Total System - EXCLUDING Sale for Resale	1,788,562	1,582,439	1,558,448	1,622,390	1,436,989	1,492,164	1,415,367	1,391,684	1,543,788	1,723,507	1,748,321	1,931,384	19,235,043
11														
12	INPUT FROM RECORDED SALES FILE:													
13	Medium & Large Details - Deliveries in MWh:													
14	Med & Large C/I (AD)	3,227	2,998	2,691	2,577	2,309	2,692	2,581	2,518	2,501	3,216	3,022	2,989	33,322
15	Med & Large C/I (AL+AY+DGR)	885,190	779,275	723,928	721,712	642,564	729,238	703,292	670,912	787,343	834,653	827,289	867,392	9,172,788
16	Med & Large C/I (A6)	73,085	65,907	62,366	67,323	62,032	54,450	56,018	51,197	52,930	36,924	15,882	136,314	734,427
17	Total	961,503	848,180	788,985	791,612	706,905	786,380	761,891	724,626	842,775	874,793	846,193	1,006,695	9,940,537
18														
19														
20														

Line No.	System Delivery Determinants	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Total
21	Customer Class Deliveries (kWh)													
22	Residential	580,238,774	516,742,721	558,578,912	631,943,270	544,878,650	496,264,071	451,122,269	457,204,778	480,712,252	607,055,000	659,475,780	673,473,348	6,657,689,825
23	Small Commercial	206,798,491	182,582,629	178,729,672	174,784,298	166,894,773	181,453,263	173,468,457	173,479,933	183,017,623	201,167,353	201,645,602	212,846,121	2,236,868,215
24	Med. & Large Comm./Ind.	961,502,662	848,179,563	788,985,281	791,611,714	706,905,429	786,379,696	761,890,767	724,626,395	842,774,549	874,792,593	846,193,421	1,006,694,587	9,940,536,657
25	Agriculture (PA)	10,080,259	8,158,176	6,495,171	4,311,622	3,841,943	4,495,670	7,218,857	8,418,618	8,958,754	10,646,105	10,646,495	11,197,971	94,784,641
26	Agriculture (PA-T-1)	20,923,979	19,508,319	20,607,235	10,807,152	7,452,567	14,313,466	16,791,440	21,043,548	19,172,203	24,692,158	25,407,167	19,670,004	220,389,238
27	Lighting	9,017,644	7,267,979	5,051,270	8,931,523	7,015,613	9,257,601	4,875,709	6,910,864	9,152,786	4,838,687	4,952,411	7,502,434	84,774,521
28	Sale for Resale	10,162	6,571	9,301	7,733	13,934	0	0	0	31,400	11,565	11,395	0	102,061
29	Total System	1,788,571,971	1,582,445,958	1,558,456,842	1,622,397,312	1,436,988,975	1,492,177,701	1,415,367,499	1,391,684,136	1,543,819,567	1,723,518,461	1,748,332,271	1,931,384,465	19,235,145,158
30	Total System - EXCLUDING Sale for Resale	1,788,561,809	1,582,439,387	1,558,447,541	1,622,389,579	1,436,988,975	1,492,163,767	1,415,367,499	1,391,684,136	1,543,788,167	1,723,506,896	1,748,320,876	1,931,384,465	19,235,043,097
31														
32														
33	INPUT FROM RECORDED SALES FILE:													
34	Medium & Large Details - Deliveries in kWh:													
35	Med & Large C/I (AD)	3,227,454	2,998,003	2,691,436	2,577,042	2,309,125	2,692,045	2,581,413	2,517,554	2,501,394	3,215,579	3,022,346	2,988,722	33,322,113
36	Med & Large C/I (AL+AY+DGR)	885,190,271	779,274,762	723,928,109	721,711,928	642,564,020	729,237,636	703,291,757	670,911,741	787,343,430	834,652,980	827,289,009	867,391,897	9,172,787,540
37	Med & Large C/I (A6)	73,084,937	65,906,798	62,365,736	67,322,744	62,032,284	54,450,015	56,017,597	51,197,100	52,929,725	36,924,034	15,882,066	136,313,968	734,427,004
38	Total	961,502,662	848,179,563	788,985,281	791,611,714	706,905,429	786,379,696	761,890,767	724,626,395	842,774,549	874,792,593	846,193,421	1,006,694,587	9,940,536,657
39														
40														

San Diego Gas & Electric Co.													
Forecast Billing Determinants for the 12-Month Period: January 2018 - December 2018													
Line No.	System Delivery Determinants												
1	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
2	Customer Class Deliveries (MWh)												
3	Residential	621,843	536,163	512,081	471,416	474,091	496,722	569,819	587,087	578,309	512,354	572,103	6,608,350
4	Small Commercial	184,355	176,961	176,197	172,963	176,119	183,834	201,313	200,163	196,718	180,280	177,414	2,243,764
5	Med. & Large Comm./Ind.	813,182	785,283	785,019	784,189	806,462	841,713	917,808	895,605	894,158	844,338	811,354	10,164,804
6	Agriculture (PA)	4,863	5,320	4,982	5,970	8,028	8,637	9,166	7,969	7,969	6,929	5,684	83,280
7	Agriculture (PA-T-1)	14,328	14,638	14,302	16,059	18,811	21,010	22,575	21,484	19,815	17,639	15,004	218,451
8	Lighting	7,306	6,971	6,989	6,792	6,836	7,142	7,245	6,909	7,274	7,032	7,317	84,750
9	Sale for Resale	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	102,100
10	Total System	1,645,886	1,525,345	1,499,579	1,457,397	1,489,144	1,538,458	1,727,684	1,719,893	1,703,913	1,568,601	1,588,885	19,403,501
11	Total System - EXCLUDING Sale for Resale	1,645,878	1,525,336	1,499,570	1,457,388	1,489,135	1,538,449	1,727,676	1,719,884	1,703,904	1,568,592	1,588,876	19,403,399
12	Total System - EXCLUDING Sale for Resale	1,645,878	1,525,336	1,499,570	1,457,388	1,489,135	1,538,449	1,727,676	1,719,884	1,703,904	1,568,592	1,588,876	19,403,399
13	Total System - EXCLUDING Sale for Resale	1,645,878	1,525,336	1,499,570	1,457,388	1,489,135	1,538,449	1,727,676	1,719,884	1,703,904	1,568,592	1,588,876	19,403,399
14	INPUT FROM FORECAST INFORMATION:												
15	Medium & Large Details - Deliveries in MWh												
16	Med & Large C/I (AD)	2,495	2,472	2,474	2,395	2,465	2,557	2,704	2,751	2,690	2,415	2,278	30,726
17	Med & Large C/I (AL+AY+DGR)	741,852	724,362	724,285	719,057	740,312	777,793	841,445	827,543	827,134	775,230	743,128	9,352,031
18	Med & Large C/I (A6)	68,835	58,449	58,260	62,738	63,685	61,362	73,659	65,311	72,755	66,712	65,948	782,048
19	Total	813,182	785,283	785,019	784,189	806,462	841,713	917,808	895,605	894,158	844,338	811,354	10,164,804
20	Total	813,182	785,283	785,019	784,189	806,462	841,713	917,808	895,605	894,158	844,338	811,354	10,164,804
21	Total	813,182	785,283	785,019	784,189	806,462	841,713	917,808	895,605	894,158	844,338	811,354	10,164,804

San Diego Gas & Electric													
Forecast Billing Determinants for the 12-Month Period: January 2018 - December 2018													
Line No.	System Delivery Determinants												
21	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
22	Customer Class Deliveries (kWh)												
23	Residential	621,843,019	536,163,070	512,081,305	471,415,819	474,091,423	496,721,973	569,819,400	587,087,470	578,308,738	512,353,615	572,102,628	6,608,350,195
24	Small Commercial	184,355,186	176,961,069	176,197,042	172,963,024	176,118,744	183,833,900	201,312,702	200,162,585	196,717,694	180,280,142	177,414,102	2,243,763,832
25	Med. & Large Comm./Ind.	813,182,465	785,283,290	785,018,857	784,189,048	806,461,861	841,712,599	917,808,168	895,604,554	894,157,759	844,337,938	811,353,945	10,164,804,111
26	Agriculture (PA)	4,862,807	5,319,693	4,981,767	5,969,612	8,166,557	8,915,685	9,166,954	7,969,244	7,969,244	6,929,257	5,684,113	83,280,347
27	Agriculture (PA-T-1)	14,328,067	14,638,451	14,302,113	16,058,994	18,810,916	21,010,029	22,574,583	21,483,551	19,814,555	17,638,959	15,004,453	218,451,169
28	Lighting	7,306,230	6,970,591	6,989,052	6,791,681	6,835,890	7,142,403	7,245,133	6,909,352	7,273,644	7,032,148	7,317,143	84,749,618
29	Sale for Resale	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	102,061
30	Total System	1,645,886,279	1,525,344,579	1,499,578,641	1,457,396,683	1,489,143,896	1,538,457,694	1,727,684,176	1,719,892,971	1,703,912,846	1,568,600,564	1,588,884,889	19,403,501,333
31	Total System - EXCLUDING Sale for Resale	1,645,877,774	1,525,336,074	1,499,570,136	1,457,388,178	1,489,135,391	1,538,449,189	1,727,675,671	1,719,884,466	1,703,904,341	1,568,592,059	1,588,876,384	19,403,399,272
32	Total System - EXCLUDING Sale for Resale	1,645,877,774	1,525,336,074	1,499,570,136	1,457,388,178	1,489,135,391	1,538,449,189	1,727,675,671	1,719,884,466	1,703,904,341	1,568,592,059	1,588,876,384	19,403,399,272
33	Total System - EXCLUDING Sale for Resale	1,645,877,774	1,525,336,074	1,499,570,136	1,457,388,178	1,489,135,391	1,538,449,189	1,727,675,671	1,719,884,466	1,703,904,341	1,568,592,059	1,588,876,384	19,403,399,272
34	INPUT FROM FORECAST INFORMATION:												
35	Medium & Large Details - Deliveries in kWh:												
36	Med & Large C/I (AD)	2,495,442	2,472,428	2,474,860	2,394,773	2,465,172	2,556,987	2,703,865	2,751,411	2,689,568	2,415,429	2,278,238	30,725,714
37	Med & Large C/I (AL+AY+DGR)	741,851,688	724,362,261	724,284,582	719,056,695	740,311,710	777,793,367	841,445,396	827,542,624	827,134,035	775,230,489	743,127,898	9,352,030,824
38	Med & Large C/I (A6)	68,835,335	58,448,601	58,260,415	62,737,580	63,684,979	61,362,245	73,658,907	65,310,519	72,755,007	66,712,020	65,947,809	782,047,573
39	Total	813,182,465	785,283,290	785,018,857	784,189,048	806,461,861	841,712,599	917,808,168	895,604,554	894,157,759	844,337,938	811,353,945	10,164,804,111
40	Total	813,182,465	785,283,290	785,018,857	784,189,048	806,461,861	841,712,599	917,808,168	895,604,554	894,157,759	844,337,938	811,353,945	10,164,804,111

Work Paper - 2

Allocation of TRBAA Balance @ 9/30/2017
Between HV and LV Facilities
Based on Transmission Revenue Credits
Forecast

San Diego Gas & Electric Company									
2018 - TRBAA Rate Filing									
Allocation Of Beginning TRBAA Balance Based on Forecast Balances									
Line No.	Components	(A)	(B)	(C)	(D)	Reference	Line No.		
		Beginning TRBAA Balance	High Voltage TRBAA	Low Voltage TRBAA	Total				
1	TRBAA Balance @ 9/30/2017	\$ (5,447,541)				Work paper No. 4, Page 4.4; Line 32	1		
2							2		
3	Forecast - Wheeling Revenues		(5,418,316)	-	(5,418,316)	Work paper No. 7, Page 7.2; Line 23	3		
4							4		
5	Forecast - Settlements, Metering and Client Relations		7,768	4,232	12,000	Work paper No. 8; Page 8.2; Line 24	5		
6							6		
7	Forecast - ETC Cost Differentials		(309,446)	(168,609)	(478,055)	Work paper No. 9; Page 9.2; Line 16	7		
8							8		
9	Forecast - Other PTO Related Revenue (Credits)/Charges		(1,679,763)	(289,835)	(1,969,599)	Work paper No. 11; Page 11.2; Line 29	9		
10							10		
11	Forecast 2018 - Net Transmission Revenue Credits		\$ (7,399,758)	\$ (454,212)	\$ (7,853,970)	Sum Lines 3 through 9	11		
12							12		
13	Allocation Factors Based on Revenue Credit Forecast		94.22%	5.78%	100.00%	Ratios Per Line 11	13		
14							14		
15	Allocation of Beginning TRBAA Balance ¹		\$ (5,132,498)	\$ (315,043)	\$ (5,447,541)	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

Allocation of Standby Revenues
Between High Voltage and
Low Voltage Facilities

San Diego Gas & Electric Company						
2018 - TRBAA Rate Filing						
Standby Revenues						
Line No.	Components	(1)	(2)	(3) = (1) + (2)		Reference
		High Voltage	Low Voltage	Combined TRR		
1	TO4-Cycle 5 Informational Filing-Wholesale Base TRR ¹	\$ 530,419,000	\$ 287,285,000	\$	817,704,000	See Note 1
2						
3	HV-LV Allocation Factors	64.86687%	35.13313%	100.00%		Ratios Based on Line 1
4						
5	Standby Revenue Credits	\$ (8,379,370)	\$ (4,538,426)	\$	(12,917,796)	Line 3 Ratios x (Col. 3; Line 9)
6						
7	Total HV-LV Standby Revenue Credits	\$ (8,379,370)	\$ (4,538,426)	\$	(12,917,796)	Sum of Line 5
8						
9	Total Standby Revenues ²			\$	(12,917,796)	See Note 2
¹	Per anticipated Statement BK2-Wholesale Base TRR information from SDG&E's Informational Filing in TO4-Cycle 5 that will be filed with the FERC on December 1, 2017.					
²	Per anticipated Standby Revenue amount of \$12,917,796 from Cost Statement BG; Page 1; Column A; Line 24 that will be filed in the TO4 Cycle 5 on December 1, 2017.					

Work Paper - 4
Monthly TRBAA Detailed Activities
& Related Footnotes

San Diego Gas Electric Co.
TRBAA Monthly Activities Applicable to BK1 and BK2
For the 12-Month Period Ending September 30, 2017
2018 Annual TRBAA Rate Filing

Line No.	Description	October 2016	November 2016	December 2016	January 2017
1	Beginning Balance (Overcollection)/Undercollection	\$ (24,294,742)	\$ (23,450,702)	\$ (22,860,327)	\$ (22,169,371)
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,788,561,809	1,582,439,387	1,558,447,541	1,622,389,579
5	TRBAA Rate	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.001255)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (1,448,735)	\$ (1,281,776)	\$ (1,262,343)	\$ (2,036,099)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(17,249)	(15,261)	(15,030)	(24,177)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (1,431,486)	\$ (1,266,514)	\$ (1,247,312)	\$ (2,011,922)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(550,764)	(573,838)	(460,754)	(196,225)
12	CT 4575 - Settlements, Metering, Client Relations ²	1,000	1,000	1,000	1,000
13	ETC Cost Differentials ³	32,689	(46,974)	(31,332)	(39,902)
14	Other PTO Related Revenue (Credits)/Charges ⁴	1,140	10,518	1,758	(13,290)
15	Sub-Total Monthly PTO Related Activity	\$ (515,935)	\$ (609,293)	\$ (489,327)	\$ (248,416)
16					
17	Other CAISO Adjustment	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (515,935)	\$ (609,293)	\$ (489,327)	\$ (248,416)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 915,551	\$ 657,221	\$ 757,985	\$ 1,763,505
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ (24,294,742)	\$ (24,294,742)	\$ (24,294,742)	\$ (22,169,371)
25	Monthly Activity Included in Interest Calculation Basis	457,776	1,244,162	1,951,765	881,753
26	Basis for Interest Expense Calculation	(23,836,966)	(23,050,580)	(22,342,977)	(21,287,618)
27	Monthly Interest Rate	0.30000%	0.29000%	0.30000%	0.30000%
28	Interest Expense	\$ (71,511)	\$ (66,847)	\$ (67,029)	\$ (63,863)
29					
30	Other Adjustment				
31					
32	Ending Balance (Overcollection)/Undercollection	\$ (23,450,702)	\$ (22,860,327)	\$ (22,169,371)	\$ (20,469,728)
33					
34					
35					
36	Franchise Fees & Uncollectible Adjustment:				
37	Franchise Fees Expense Rate	1.0310%	1.0310%	1.0310%	1.0277%
38	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
39	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2017%
40	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (1,448,735)	\$ (1,281,776)	\$ (1,262,343)	\$ (2,036,099)
41	Uncollectibles Included on Line 7 Above:				
42	Total Refunds/Collections Including Franchise & Uncollectible Expense	\$ (1,448,735)	\$ (1,281,776)	\$ (1,262,343)	\$ (2,036,099)
43	Adjustment Factor to Convert Line 38 Above Before FF&U	1.012050	1.012050	1.012050	1.012017
44	Total Refunds/Collections Before FF&U	\$ (1,431,486)	\$ (1,266,514)	\$ (1,247,312)	\$ (2,011,922)
45	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2017%
46	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (17,249)	\$ (15,261)	\$ (15,030)	\$ (24,177)
47	Difference	\$ 0	\$ 0	\$ 0	\$ 0

San Diego Gas Electric Co.
TRBAA Monthly Activities Applicable to BK1 and BK2
For the 12-Month Period Ending September 30, 2017
2018 Annual TRBAA Rate Filing

Line No.	Description	February 2017	March 2017	April 2017	May 2017
1	Beginning Balance (Overcollection)/Undercollection	\$ (20,469,728)	\$ (18,243,690)	\$ (15,901,031)	\$ (13,741,749)
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,436,988,975	1,492,163,767	1,415,367,499	1,391,684,136
5	TRBAA Rate	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (2,442,881)	\$ (2,536,678)	\$ (2,406,125)	\$ (2,365,863)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(29,008)	(30,121)	(28,571)	(28,093)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (2,413,874)	\$ (2,506,557)	\$ (2,377,554)	\$ (2,337,770)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(71,736)	(82,839)	(141,153)	(184,437)
12	CT 4575 - Settlements, Metering, Client Relations ²	1,000	1,000	1,000	1,000
13	ETC Cost Differentials ³	(50,933)	(15,658)	(19,111)	(81,897)
14	Other PTO Related Revenue (Credits)/Charges ⁴	(14,146)	(15,607)	(14,609)	(11,174)
15	Sub-Total Monthly PTO Related Activity	\$ (135,815)	\$ (113,105)	\$ (173,874)	\$ (276,508)
16					
17	Other CAISO Adjustment	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (135,815)	\$ (113,105)	\$ (173,874)	\$ (276,508)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 2,278,059	\$ 2,393,452	\$ 2,203,680	\$ 2,061,262
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ (22,169,371)	\$ (22,169,371)	\$ (15,901,031)	\$ (15,901,031)
25	Monthly Activity Included in Interest Calculation Basis	2,902,535	5,238,290	1,101,840	3,234,311
26	Basis for Interest Expense Calculation	(19,266,836)	(16,931,081)	(14,799,191)	(12,666,720)
27	Monthly Interest Rate	0.27000%	0.30000%	0.30000%	0.32000%
28	Interest Expense	\$ (52,020)	\$ (50,793)	\$ (44,398)	\$ (40,534)
29					
30	Other Adjustment				
31					
32	Ending Balance (Overcollection)/Undercollection	\$ (18,243,690)	\$ (15,901,031)	\$ (13,741,749)	\$ (11,721,020)
33					
34					
35					
36	Franchise Fees & Uncollectible Adjustment:				
37	Franchise Fees Expense Rate	1.0277%	1.0277%	1.0277%	1.0277%
38	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
39	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%
40	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (2,442,881)	\$ (2,536,678)	\$ (2,406,125)	\$ (2,365,863)
41	Uncollectibles Included on Line 7 Above:				
42	Total Refunds/Collections Including Franchise & Uncollectible Expense	\$ (2,442,881)	\$ (2,536,678)	\$ (2,406,125)	\$ (2,365,863)
43	Adjustment Factor to Convert Line 38 Above Before FF&U	1.012017	1.012017	1.012017	1.012017
44	Total Refunds/Collections Before FF&U	\$ (2,413,874)	\$ (2,506,557)	\$ (2,377,554)	\$ (2,337,770)
45	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%
46	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (29,008)	\$ (30,121)	\$ (28,571)	\$ (28,093)
47	Difference	\$ 0	\$ 0	\$ 0	\$ (0)

San Diego Gas Electric Co.
TRBAA Monthly Activities Applicable to BK1 and BK2
For the 12-Month Period Ending September 30, 2017
2018 Annual TRBAA Rate Filing

Line No.	Description	June 2017	July 2017	August 2017	September 2017
1	Beginning Balance (Overcollection)/Undercollection	\$ (11,721,020)	\$ (9,810,365)	\$ (7,967,264)	\$ (6,013,167)
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,543,788,167	1,723,506,896	1,748,320,876	1,931,384,465
5	TRBAA Rate	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (2,624,440)	\$ (2,929,962)	\$ (2,972,145)	\$ (3,283,354)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(31,163)	(34,791)	(35,292)	(38,988)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (2,593,276)	\$ (2,895,170)	\$ (2,936,853)	\$ (3,244,366)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(629,799)	(986,169)	(855,829)	(684,775)
12	CT 4575 - Settlements, Metering, Client Relations ²	1,000	1,000	1,000	1,000
13	ETC Cost Differentials ³	(3,244)	(37,674)	(105,668)	(78,352)
14	Other PTO Related Revenue (Credits)/Charges ⁴	(18,585)	944	1,365	(1,897,913)
15	Sub-Total Monthly PTO Related Activity	\$ (650,627)	\$ (1,021,899)	\$ (959,132)	\$ (2,660,039)
16					
17	Other CAISO Adjustment	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (650,627)	\$ (1,021,899)	\$ (959,132)	\$ (2,660,039)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 1,942,649	\$ 1,873,271	\$ 1,977,721	\$ 584,327
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ (15,901,031)	\$ (9,810,365)	\$ (9,810,365)	\$ (9,810,365)
25	Monthly Activity Included in Interest Calculation Basis	5,236,267	936,636	2,862,132	4,143,156
26	Basis for Interest Expense Calculation	(10,664,764)	(8,873,729)	(6,948,233)	(5,667,209)
27	Monthly Interest Rate	0.30000%	0.34000%	0.34000%	0.33000%
28	Interest Expense	\$ (31,994)	\$ (30,171)	\$ (23,624)	\$ (18,702)
29					
30	Other Adjustment				
31					
32	Ending Balance (Overcollection)/Undercollection	\$ (9,810,365)	\$ (7,967,264)	\$ (6,013,167)	\$ (5,447,541)
33					
34					
35					
36	Franchise Fees & Uncollectible Adjustment:				
37	Franchise Fees Expense Rate	1.0277%	1.0277%	1.0277%	1.0277%
38	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
39	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%
40	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (2,624,440)	\$ (2,929,962)	\$ (2,972,145)	\$ (3,283,354)
41	Uncollectibles Included on Line 7 Above:				
42	Total Refunds/Collections Including Franchise & Uncollectible Expense	\$ (2,624,440)	\$ (2,929,962)	\$ (2,972,145)	\$ (3,283,354)
43	Adjustment Factor to Convert Line 38 Above Before FF&U	1.012017	1.012017	1.012017	1.012017
44	Total Refunds/Collections Before FF&U	\$ (2,593,276)	\$ (2,895,170)	\$ (2,936,853)	\$ (3,244,366)
45	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%
46	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (31,163)	\$ (34,791)	\$ (35,292)	\$ (38,988)
47	Difference	\$ 0	\$ 0	\$ 0	\$ 0

San Diego Gas Electric Co.
TRBAA Monthly Activities Applicable to BK1 and BK2
For the 12-Month Period Ending September 30, 2017
2018 Annual TRBAA Rate Filing

Line No.	Description	Total	Reference	Line No.
1	Beginning Balance (Overcollection)/Undercollection	\$ (24,294,742)	Previous Month's Balance	1
2				2
3	TRBAA Refund			3
4	Kwh (Excluding Sales for Resale).	19,235,043,097	Work Paper No. 1; Page 1.1; Line 32	4
5	TRBAA Rate		TRBAA Rates; ER 16-550 (Oct - Dec 2016); ER17-279 (2017)	5
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (27,590,401)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(327,746)	See Line 46 Below	7
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (27,262,655)	Line 6 / Line 43	8
9				9
10	PTO Related - ISO Charge Types:			10
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(5,418,316)	Work Paper No. 5; Page 5.1-5.2; Line 4	11
12	CT 4575 - Settlements, Metering, Client Relations ²	12,000	Work Paper No. 5; Page 5.1-5.2; Line 7	12
13	ETC Cost Differentials ³	(478,055)	Work Paper No. 5; Page 5.1-5.2; Line 10	13
14	Other PTO Related Revenue (Credits)/Charges ⁴	(1,969,599)	Work Paper No. 5; Page 5.1-5.2; Line 13	14
15	Sub-Total Monthly PTO Related Activity	\$ (7,853,970)	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	\$ (7,853,970)	Sum Lines 15; 18	19
20				20
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 19,408,685	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	\$ (561,485)	Line 26 x Line 27	28
29				29
30	Other Adjustment	-		30
31				31
32	Ending Balance (Overcollection)/Undercollection	\$ (5,447,541)	Line 1 + Line 21 + Line 28 + Line 30	32
33				33
34				34
35				35
36	Franchise Fees & Uncollectible Adjustment:			36
37	Franchise Fees Expense Rate		Franchise Fees Expense Rate	37
38	Uncollectible Expense Adjustment Rate		Uncollectible Expense Adjustment Rate	38
39	Combined FF&U Adjustment Rate		Line 37 + Line 38	39
40	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles		From Line 6 Above	40
41	Uncollectibles Included on Line 7 Above:			41
42	Total Refunds/Collections Including Franchise & Uncollectible Expense		From Line 40 Above	42
43	Adjustment Factor to Convert Line 38 Above Before FF&U		100% + Line 39	43
44	Total Refunds/Collections Before FF&U		Line 42 / Line 43	44
45	Combined FF&U Adjustment Rate		From Line 39 Above	45
46	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (327,746)	Line 44 x Line 45	46
47	Difference	\$ 0		47

San Diego Gas & Electric Co.
2018 TRBAA Rate Filing
Monthly TRBAA Details for Period Ending September 30, 2017

Line No.	Line No.
	FOOTNOTES to Monthly TRBAA Balance:
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.
2	2
3	3 CAISO charge code 4575, Settlements, Metering, Client Relations, was approved to be included as a component of Transmission Revenue Credits, in Docket No. ER05-839-000, for expenses incurred starting June 21, 2005. The charge code is applicable to SDG&E as a PTO.
4	4
5	5 Existing Transmission Contract (ETC) Cost Differentials related to APS-III pertains to SDG&E as the Scheduling Coordinator for Arizona Public Service - Imperial Irrigation District ("APS-III") (See Work Paper No. 5; Pages 5.1 - 5.2; Line 10).
6	6
7	7 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.

Work Paper - 5

Summary of CAISO Charge Codes -
SDG&E as PTO and Scheduling Agent to
Support Activities Shown on
Work Paper - 4

San Diego Gas & Electric Company
2018 TRBA Rate Filing
CAISO Charge Types Oct. 2016 - Sep. 2017

Line No.	Description	October 2016	November 2016	December 2016	January 2017	February 2017	March 2017	April 2017	May 2017
1	High Voltage Wheeling Revenues:								
2	CT 384 - HV Wheeling Revenues Due TO	\$ (550,764)	\$ (573,989)	\$ (460,751)	\$ (196,225)	\$ (71,736)	\$ (84,565)	\$ (141,153)	\$ (184,255)
3	CT 382 - HV Wheeling Charge Due ISO	(0)	152	(3)	-	-	1,726	(0)	(182)
4	Net	\$ (550,764)	\$ (573,838)	\$ (460,754)	\$ (196,225)	\$ (71,736)	\$ (82,839)	\$ (141,153)	\$ (184,437)
5									
6									
7	CT 4575 - Settlements, Metering, & Client Relations (SDGE-PTO)	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
8									
9									
10	ETC Cost Differentials from CAISO	\$ 32,689	\$ (46,974)	\$ (31,332)	\$ (39,902)	\$ (50,933)	\$ (15,658)	\$ (19,111)	\$ (81,897)
11									
12									
13	Other PTO Related Revenue (Credits)/Charges	\$ 1,140	\$ 10,518	\$ 1,758	\$ (13,290)	\$ (14,146)	\$ (15,607)	\$ (14,609)	\$ (11,174)
14									

San Diego Gas & Electric Company
2018 TRBA Rate Filing
CAISO Charge Types Oct. 2016 - Sep. 2017

Line No.	Description	June 2017	July 2017	August 2017	September 2017	Total	Reference	Line No.
1	High Voltage Wheeling Revenues:							1
2	CT 384 - HV Wheeling Revenues Due TO	\$ (630,431)	\$ (989,087)	\$ (855,825)	\$ (685,770)	\$ (5,424,551)	ISO Charge Type 384	2
3	CT 382 - HV Wheeling Charge Due ISO	632	2,918	(4)	996	6,235	ISO Charge Type 382	3
4	Net	\$ (629,799)	\$ (986,169)	\$ (855,829)	\$ (684,775)	\$ (5,418,316)		4
5								5
6								6
7	CT 4575 - Settlements, Metering, & Client Relations (SDGE-PTO)	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 12,000	ISO Charge Type 4575	7
8								8
9								9
10	ETC Cost Differentials from CAISO	\$ (3,244)	\$ (37,674)	\$ (105,668)	\$ (78,352)	\$ (478,055)	Work Paper 10; Pages 10.1 - 10.2; Line 48	10
11								11
12								12
13	Other PTO Related Revenue (Credits)/Charges	\$ (18,585)	\$ 944	\$ 1,365	\$ (1,897,913)	\$ (1,969,599)	Work Paper 12; Pages 12.1 - 12.2; Line 11	13
14								14

Work Paper - 6
Summary of Transmission Revenue
(Credits)/Charges Forecast
Shown on Work Papers – 7, 8, 9 & 11

San Diego Gas Electric Co.
Summary of Forecast Transmission Revenue (Credits)/Charges
Shown on Pages 7, 8, 9 and 11
2018 - TRBAA Rate Filing

Line No.	Notes	Column (A)	Column (B)	Column (C)	Column (D)	Line No.
		Wheeling Revenues ^a	Client Relations Fee CT 4575 ^b	ETC Cost Differentials ^c	Other PTO Related Revenue (Credits)/Charges ^d	
1	Forecast Month					
1	Jan-18	\$ (451,526)	1,000	\$ (39,838)	\$ (164,133)	1
2	Feb-18	(451,526)	1,000	(39,838)	(164,133)	2
3	Mar-18	(451,526)	1,000	(39,838)	(164,133)	3
4	Apr-18	(451,526)	1,000	(39,838)	(164,133)	4
5	May-18	(451,526)	1,000	(39,838)	(164,133)	5
6	Jun-18	(451,526)	1,000	(39,838)	(164,133)	6
7	Jul-18	(451,526)	1,000	(39,838)	(164,133)	7
8	Aug-18	(451,526)	1,000	(39,838)	(164,133)	8
9	Sep-18	(451,526)	1,000	(39,838)	(164,133)	9
10	Oct-18	(451,526)	1,000	(39,838)	(164,133)	10
11	Nov-18	(451,526)	1,000	(39,838)	(164,133)	11
12	Dec-18	(451,526)	1,000	(39,838)	(164,133)	12
13	Totals	\$ (5,418,316)	12,000	\$ (478,055)	\$ (1,969,599)	13
14						14
a	From Work paper No. 7; Page 7.1; Column D; Lines 1 through 12					
b	From Work paper No. 8; Page 8.1; Column D; Lines 1 through 12					
c	From Work paper No. 9; Page 9.1; Column D; Lines 1 through 12					
d	From Work paper No. 11; Page 11.1; Column D; Lines 1 through 12					

Work Paper - 7

Derivation of Wheeling Revenue Forecast and its Allocation Between High Voltage and Low Voltage Facilities

**San Diego Gas & Electric Company
2018 TRBAA Rate Filing
Derivation of Wheeling Revenues Forecast**

Line No.	(A) Actual Recorded Month	(B) TRBAA Recorded High Voltage Wheeling Revenues (CT-384) ^a	(C)		(D)		Line No.
			Date		TRBAA Forecast High Voltage Wheeling Revenues - Cash Month		
1	Oct-16	\$ (550,764)	Jan-18	\$ (451,526)	1		
2	Nov-16	(573,838)	Feb-18	(451,526)	2		
3	Dec-16	(460,754)	Mar-18	(451,526)	3		
4	Jan-17	(196,225)	Apr-18	(451,526)	4		
5	Feb-17	(71,736)	May-18	(451,526)	5		
6	Mar-17	(82,839)	Jun-18	(451,526)	6		
7	Apr-17	(141,153)	Jul-18	(451,526)	7		
8	May-17	(184,437)	Aug-18	(451,526)	8		
9	Jun-17	(629,799)	Sep-18	(451,526)	9		
10	Jul-17	(986,169)	Oct-18	(451,526)	10		
11	Aug-17	(855,829)	Nov-18	(451,526)	11		
12	Sep-17	(684,775)	Dec-18	(451,526)	12		
13	Total - RECORDED	\$ (5,418,316)		\$ (5,418,316)	13		
14	Monthly Average	\$ (451,526)			14		
^a	See Work paper No. 5; Pages 5.1 and 5.2; Line 4						

San Diego Gas & Electric Company
2018 - TRBAA Rate Filing
Wheeling Revenues Forecast Allocated Between High Voltage and Low Voltage Facilities

Line No.	Reference	Line No.
1		1
2		2
3	Work paper No.7; Page 7.3, Line 25	3
4		4
5		5
6		6
7		7
8		8
9	Per anticipated Vol.1;Stmnt BK2; Page 2; Line 14 that will be filed in the TO4-Cycle 5 Informational Filing on December 1, 2017	9
10		10
11	Per anticipated Vol.1;Stmnt BK2; Page 2; Line 19 that will be filed in the TO4-Cycle 5 Informational Filing on December 1, 2017	11
12		12
13	Sum Lines 9 and 11	13
14		14
15	Allocation Ratios Based on Line 13	15
16		16
17		17
18		18
19	Work paper No.7, Page 7.3, Line 25	19
20		20
21	See Footnote 1 Below	21
22		22
23	Line 19 x Line 21	23
24		24
I		

Line No.	Forecast of Wheeling Revenues:	High Voltage	Low Voltage	Total	Reference
1	The forecast of wheeling revenues is based on the 12-month recorded HV wheeling revenues ending 9/30/2017				Work paper No.7; Page 7.3, Line 25
2					
3					
4					
5	HV-LV Wheeling Revenues Allocation Factors:	(a)	(b)	(c) = (a) + (b)	
6					
7	A. Development of Allocation Factors:	High Voltage	Low Voltage	Total	
8					
9	TO4 Cycle 5 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 3,284,586	\$ 1,704,678	\$ 4,989,264	
10					
11	TO4 Cycle 5 - Weighted Forecast Plant Additions; Dollars in (\$000)	\$ 506,615	\$ 361,046	\$ 867,661	
12					
13	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 3,791,201	\$ 2,065,724	\$ 5,856,925	
14					
15	High Voltage - Low Voltage Ratios Based on Gross Plant; Per Line 13	64.73%	35.27%	100.00%	
16					
17	B. Allocation of High Voltage Wheeling Revenues:				
18					
19	Total High Voltage Wheeling Revenues			\$ (5,418,316)	
20					
21	HV - Allocation Ratio is NOT Based on Plant as shown on Line 15 ¹	100.00%		100.00%	
22					
23	C. Total HV-LV Wheeling Revenues:	\$ (5,418,316)		\$ (5,418,316)	
24					
I	Wheeling Revenues are assigned 100% to High Voltage facilities				

San Diego Gas & Electric Company					
2018 - TRBAA Rate Filing					
Wheeling Revenues Forecast					
Line No	Months	(A) High Voltage Wheeling Revenues (384)/(382)-Net	(B) Low Voltage Wheeling Revenues (385)	(C) Total	(D) Reference
1	Oct-16	\$ (550,764)	\$ -	\$ (550,764)	Work paper No. 5; Page 5.1 and 5.2; Line 4
2					
3	Nov-16	(573,838)	-	(573,838)	Work paper No. 5; Page 5.1 and 5.2; Line 4
4					
5	Dec-16	(460,754)	-	(460,754)	Work paper No. 5; Page 5.1 and 5.2; Line 4
6					
7	Jan-17	(196,225)	-	(196,225)	Work paper No. 5; Page 5.1 and 5.2; Line 4
8					
9	Feb-17	(71,736)	-	(71,736)	Work paper No. 5; Page 5.1 and 5.2; Line 4
10					
11	Mar-17	(82,839)	-	(82,839)	Work paper No. 5; Page 5.1 and 5.2; Line 4
12					
13	Apr-17	(141,153)	-	(141,153)	Work paper No. 5; Page 5.1 and 5.2; Line 4
14					
15	May-17	(184,437)	-	(184,437)	Work paper No. 5; Page 5.1 and 5.2; Line 4
16					
17	Jun-17	(629,799)	-	(629,799)	Work paper No. 5; Page 5.1 and 5.2; Line 4
18					
19	Jul-17	(986,169)	-	(986,169)	Work paper No. 5; Page 5.1 and 5.2; Line 4
20					
21	Aug-17	(855,829)	-	(855,829)	Work paper No. 5; Page 5.1 and 5.2; Line 4
22					
23	Sep-17	(684,775)	-	(684,775)	Work paper No. 5; Page 5.1 and 5.2; Line 4
24					
25	Total	\$ (5,418,316)	\$ -	\$ (5,418,316)	Sum Lines 1 - 23
26					
27	Total Months	12			12-Months Per Year
28					
29	Average Per Month	\$ (451,526)			Line 25/Line 27
30					
31	FORECAST Per Month	\$ (451,526)			See Line 29
32					
33	Note 1: Forecast of Wheeling Revenues				
34	Wheeling revenues forecast - average of 12-month recorded HV wheeling revenues @ 9/30/2017				
				\$ (5,418,316)	Line 31; Col. (A) x 12

Work Paper - 8

Derivation of Settlements, Metering and
Client Relations Charges Forecast
and its Allocation Between High Voltage
and Low Voltage Facilities

San Diego Gas & Electric Company
2018 TRBAA Rate Filing
Derivation of ISO Charge Code 4575 - Settlements, Metering and Client Relations Forecast

Line No.	(A) Actual Recorded Month	(B) TRBAA Recorded Settlements, Metering Client Relations Charge Code - 4575 ^a	(C) Forecast Month	(D)		Line No.
				TRBAA Forecast Settlements, Metering Client Relations Charge Code - 4575 - Cash Month ^b		
1	Oct-16	\$ 1,000	Jan-18	\$ 1,000		1
2	Nov-16	1,000	Feb-18	1,000		2
3	Dec-16	1,000	Mar-18	1,000		3
4	Jan-17	1,000	Apr-18	1,000		4
5	Feb-17	1,000	May-18	1,000		5
6	Mar-17	1,000	Jun-18	1,000		6
7	Apr-17	1,000	Jul-18	1,000		7
8	May-17	1,000	Aug-18	1,000		8
9	Jun-17	1,000	Sep-18	1,000		9
10	Jul-17	1,000	Oct-18	1,000		10
11	Aug-17	1,000	Nov-18	1,000		11
12	Sep-17	1,000	Dec-18	1,000		12
13	Total	\$ 12,000		\$ 12,000		13
14						14
15	Total Months					15
16		12				16
17	Average Per Month	\$ 1,000				17
18						18
19	FORECAST Per Month	\$ 1,000				19
20						20
a	See Work paper No. 5; Pages 5.1 and 5.2; Line 7					
b	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.					

San Diego Gas & Electric Company									
2018 - TRBAA Rate Filing									
Charge Code 4575 - Settlements, Metering and Client Relations Allocated Between HV & LV									
Line No.									Reference
1	Forecast of Settlements, Metering, & Client Relations Expense:								
2	The forecast of Settlements, Metering and Client Relations Expense is Based on Recorded CC4575 Twelve Month Period Ending 9/30/2017							\$	12,000
3	Adjusted for Known and Measurable Changes.								
4									
5									
6	Allocation of Settlements, Metering, & Client Relations:								
7		(A)	(B)	(C) = (A) + (B)					
8	A. Development of Allocation Ratios:								
9		High Voltage	Low Voltage	Total					
10	TO4 Cycle 5 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 3,284,586	\$ 1,704,678	\$ 4,989,264					Per anticipated Vol.1;Stmnt BK2; Page 2; Line 14 that will be filed in the TO4-Cycle 5 Informational Filing on December 1, 2017
11									
12	TO4 Cycle 5 - Weighted Forecast Plant Additions; Dollars in (\$000)	506,615	361,046	867,661					Per anticipated Vol.1;Stmnt BK2; Page 2; Line 19 that will be filed in the TO4-Cycle 5 Informational Filing on December 1, 2017
13									
14	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 3,791,201	\$ 2,065,724	\$ 5,856,925					Sum Lines 10 and 12
15									
16	High Voltage - Low Voltage Allocation Ratios Based on Gross Plant; Per Line 14	64.73%	35.27%	100.00%					Allocation Ratios Based on Line 14
17									
18	B. Allocation of Settlements, Metering, & Client Relations:								
19									
20	Total Settlements, Metering, & Client Relations Forecast			\$ 12,000					Work paper No. 8; Page 8.1, Line 13
21									
22	Allocation Ratios Based on Gross Plant Balances; Per Line 16	64.73%	35.27%	100.00%					See Line 16 Above
23									
24	C. Total Settlements, Metering, & Client Relations:								
25		\$ 7,768	\$ 4,232	\$ 12,000					Line 20 x Line 22

Work Paper - 9

Derivation of ETC Cost Differentials
Forecast and
its Allocation Between High Voltage and
Low Voltage Facilities

San Diego Gas & Electric Company
2018 TRBAA Rate Filing
Derivation of ETC Cost Differentials Forecast

Line No.	(A) Actual Recorded Month	(B)		(C) Forecast Month	(D)		Line No.
		TRBAA Recorded Existing Transmission Contracts ("ETC") Cost Differentials ^a			TRBAA Forecast Existing Transmission Contracts ("ETC") Cost Differentials ^b		
1	Oct-16	\$	32,689	Jan-18	\$	(39,838)	1
2	Nov-16		(46,974)	Feb-18		(39,838)	2
3	Dec-16		(31,332)	Mar-18		(39,838)	3
4	Jan-17		(39,902)	Apr-18		(39,838)	4
5	Feb-17		(50,933)	May-18		(39,838)	5
6	Mar-17		(15,658)	Jun-18		(39,838)	6
7	Apr-17		(19,111)	Jul-18		(39,838)	7
8	May-17		(81,897)	Aug-18		(39,838)	8
9	Jun-17		(3,244)	Sep-18		(39,838)	9
10	Jul-17		(37,674)	Oct-18		(39,838)	10
11	Aug-17		(105,668)	Nov-18		(39,838)	11
12	Sep-17		(78,352)	Dec-18		(39,838)	12
13	Total	\$	(478,055)		\$	(478,055)	13
14							14
15	Total Months		12				15
16							16
17	Average Per Month	\$	(39,838)				17
18							18
19	FORECAST Per Month	\$	(39,838)				19
20							20
a	See Work paper No. 5; Pages 5.1 and 5.2; Line 10						
b	ETC Cost Differentials Forecast divided by 12 months						

San Diego Gas & Electric Company
2018 TRBAA Rate Filing
ETC Cost Differentials Forecast
Allocated Between HV and LV

Line No.		High Voltage	Low Voltage		Reference	Line No.
1						1
2	Note 1: Forecast of ETC Cost Differentials			\$ (478,055)	Worksheet 9, Page 9.1; Line 13	2
3						3
4	Note 2: Allocation of ETC Cost Differentials Between HV-LV	(A)	(B)	(C) = (A) + (B)		4
5						5
6	A. Development of Allocation Ratios:	High Voltage	Low Voltage	Total		6
7						7
8	TO4 Cycle 5 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 3,284,586	\$ 1,704,678	\$ 4,989,264	Per anticipated Vol.1; Stmt BK2; Page 2; Line 14 that will be filed in the TO4-Cycle 5 Informational Filing on December 1, 2017	8
9						9
10	TO4 Cycle 5 - Weighted Forecast Plant Additions; Dollars in (\$000)	506,615	361,046	867,661	Per anticipated Vol.1; Stmt BK2; Page 2; Line 19 that will be filed in the TO4-Cycle 5 Informational Filing on December 1, 2017	10
11						11
12	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 3,791,201	\$ 2,065,724	\$ 5,856,925	Sum Lines 8 and 10	12
13						13
14	HV-LV Allocation Ratios Based on Gross Plant; Per Line 12	64.73%	35.27%	100.00%	Allocation Ratios Based on Line 12	14
15						15
16	B. Total ETC Cost Differentials Allocated Per Line 12 Allocators:	\$ (309,446)	\$ (168,609)	\$ (478,055)	Line 2; Col. C. x Line 14	16

Work Paper – 10

Details of Monthly CAISO Charge Codes
Classified as Existing Transmission Contract
("ETC") Cost Differentials –
SDG&E "Scheduling Agent" for APS-IID

San Diego Gas & Electric Company
2018 TRBAA Rate Filing
Details of Monthly ETC Cost Differentials

Line No.	Charge Type	ETC Cost Differentials Charge Types	Oct-16	Nov-16	Dec-16	Jan-17
		TRBAA Revenues				
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ -	\$ -
2	4989	RTM Congestion Credit Settlement	-	-	-	-
3	6011	Day Ahead Energy Congestion Loss Management	9,734	(7,329)	(1,300)	(9,654)
4	6090	Ancillary Service Upward Neutrality Allocation	(0)	(0)	-	0
5	6194	Spinning Reserve Obligation Settlement	(41)	(55)	(54)	(71)
6	6294	Non-Spinning Reserve Obligation Settlement	(5)	(7)	(2)	(6)
7	6457	Declined Hourly Pre-Dispatched Penalty Allocation	0	0	-	-
8	6620	Bid Cost Recovery Settlement	-	-	(24)	(4,135)
9	6788	Real Time Market Congestion Credit Settlement	(301,053)	8,245	(614)	10,212
10	6791	CRR Accrued Interest Allocation	-	(0)	-	-
11	6947	IFM Marginal Losses Surplus Credit Allocation	(98,200)	(76,801)	(61,916)	(90,574)
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	(19)	(282)	254	(20)
14	7070	Flexible Ramp Forecasted Movement Settlement	-	(120)	(185)	10,462
15	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	-	-	(385)	140
16	7989	Invoice Deviation Interest Distribution	(19)	(4)	(0)	(16)
17	8526	Generator Interconnection Process Forfeited Deposit Allocation	-	-	-	-
18	8999	Neutrality Adjustment	-	-	-	-
19		All Other				
20						
21		TRBAA Expenses				
22	0525	FERC Fees Under/Over Recovery	-	-	-	-
23	0550	FERC Fees	-	1	-	-
24	1303	Supplemental Reactive Energy Allocation	-	-	8	18
25	4515	Bid Segment Fee	34	29	29	42
26	4560	GMC - Market Service Charge	217	255	1,256	1,171
27	4561	GMC - System Operations Charge	205	201	250	246
28	4563	GMC - Transmission Ownership Rights	37,590	29,558	28,218	38,851
29	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
30	6196	Spinning Reserve Neutrality Allocation	(3)	-	-	-
31	6296	Non-Spinning Reserve Neutrality Allocation	(2)	-	-	-
32	6460	FMM Instructed Imbalance Energy Settlement	330,288	(5,754)	219	(9,212)
33	6470	Real-Time Instructed Imbalance Energy Settlement	40,513	(1,020)	4,809	6,766
34	6477	Real-Time Imbalanced Energy Offset	(20)	(85)	2	(2)
35	6478	Real Time System Imbalance Energy Offset	(1)	-	-	-
36	6636	IFM Bid Cost Recovery Tier 1 Allocation	-	-	-	-
37	6678	Real Time Bid Cost Recovery Allocation	(1)	5	(3)	(1)
38	6774	Real Time Congestion Offset	185	127	0	(2)
39	6790	CRR Balancing Account	1	(0)	0	-
40	6985	Real Time Marginal Losses Offset	9,184	2,865	(1,641)	(2,829)
41	7056	Flexible Ramp Cost Allocation	2,993	1,328	(636)	(27)
42	7058	Monthly Flexible Ramp Supply Cost Allocation	38	205	(185)	42
43	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	-	602	(546)	7,021
44	7087	Daily Flexible Ramp Down Uncertainty Award Allocation	-	-	45	438
45	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation	-	-	30	189
46	7999	Invoice Deviation Interest Allocation	71	62	41	50
47						
48		Grand Total	\$ 32,689	\$ (46,974)	\$ (31,332)	\$ (39,902)
49						
50						
51		Adjusted Total ETC Cost Differential - Line 48 above	\$ 32,689	\$ (46,974)	\$ (31,332)	\$ (39,902)
52		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	\$ 32,689	\$ (46,974)	\$ (31,332)	\$ (39,902)
53		Difference	-	-	-	-
54						

San Diego Gas & Electric Company
2018 TRBAA Rate Filing
Details of Monthly ETC Cost Differentials

Line No.	Charge Type	ETC Cost Differentials Charge Types	Feb-17	Mar-17	Apr-17	May-17
		TRBAA Revenues				
1	1592	EP Penalty Allocation Payment	\$ (2,398)	\$ -	\$ -	\$ -
2	4989	RTM Congestion Credit Settlement	(0)	(0)	-	(0)
3	6011	Day Ahead Energy Congestion Loss Management	(17,324)	(11,496)	(8,407)	(12,043)
4	6090	Ancillary Service Upward Neutrality Allocation	-	-	-	(2)
5	6194	Spinning Reserve Obligation Settlement	(65)	(112)	(155)	(248)
6	6294	Non-Spinning Reserve Obligation Settlement	(5)	(12)	(12)	(29)
7	6457	Declined Hourly Pre-Dispatched Penalty Allocation	-	(0)	-	(0)
8	6620	Bid Cost Recovery Settlement	1,496	32	2,630	-
9	6788	Real Time Market Congestion Credit Settlement	4,780	716	(1,724)	1,987
10	6791	CRR Accrued Interest Allocation	-	(0)	-	-
11	6947	IFM Marginal Losses Surplus Credit Allocation	(60,238)	(73,937)	(67,250)	(118,177)
12	6977	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	(8)	(0)	-	(2)
13	7057	Flexible Ramp Supply Cost Allocation Reversal	(6)	8	0	(0)
14	7070	Flexible Ramp Forecasted Movement Settlement	(18,066)	13,608	16,596	7,092
15	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	822	8,154	2,854	1,692
16	7989	Invoice Deviation Interest Distribution	(6)	(1)	(6)	(136)
17	8526	Generator Interconnection Process Forfeited Deposit Allocation	(5,853)	-	-	-
18	8999	Neutrality Adjustment	-	(10)	-	10
19		All Other				
20						
21		TRBAA Expenses				
22	0525	FERC Fees Under/Over Recovery	-	-	-	-
23	0550	FERC Fees	-	11	-	-
24	1303	Supplemental Reactive Energy Allocation	-	(0)	-	-
25	4515	Bid Segment Fee	27	34	37	50
26	4560	GMC - Market Service Charge	4,395	733	808	1,111
27	4561	GMC - System Operations Charge	278	220	305	541
28	4563	GMC - Transmission Ownership Rights	23,130	33,845	31,598	40,743
29	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000
30	6196	Spinning Reserve Neutrality Allocation	-	-	-	(0)
31	6296	Non-Spinning Reserve Neutrality Allocation	-	-	-	-
32	6460	FMM Instructed Imbalance Energy Settlement	(984)	(1,045)	2,453	9,847
33	6470	Real-Time Instructed Imbalance Energy Settlement	9,101	6,927	(5,428)	(21,136)
34	6477	Real-Time Imbalanced Energy Offset	155	133	(0)	13
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	3	(1)	(0)	36
38	6774	Real Time Congestion Offset	(15)	1	0	(2)
39	6790	CRR Balancing Account	42	(36)	-	(20)
40	6985	Real Time Marginal Losses Offset	(780)	(935)	808	1,909
41	7056	Flexible Ramp Cost Allocation	6	(8)	(0)	0
42	7058	Monthly Flexible Ramp Supply Cost Allocation	6	(1)	(0)	0
43	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	7,583	3,241	3,216	2,640
44	7087	Daily Flexible Ramp Down Uncertainty Award Allocation	1,709	405	652	845
45	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation	280	2,836	898	380
46	7999	Invoice Deviation Interest Allocation	2	30	16	4
47						
48		Grand Total	\$ (50,933)	\$ (15,658)	\$ (19,111)	\$ (81,897)
49						
50						
51		Adjusted Total ETC Cost Differential - Line 48 above	\$ (50,933)	\$ (15,658)	\$ (19,111)	\$ (81,897)
52		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	\$ (50,933)	\$ (15,658)	\$ (19,111)	\$ (81,897)
53		Difference	-	-	-	-
54						

San Diego Gas & Electric Company
2018 TRBAA Rate Filing
Details of Monthly ETC Cost Differentials

Line No.	Charge Type	ETC Cost Differentials Charge Types	Jun-17	Jul-17	Aug-17	Sep-17	Total	Line No.
		TRBAA Revenues						
1	1592	EP Penalty Allocation Payment	\$ -	\$ -	\$ -	\$ -	\$ (2,398)	1
2	4989	RTM Congestion Credit Settlement	-	(1)	(1)	(0)	(3)	2
3	6011	Day Ahead Energy Congestion Loss Management	148,391	8,199	(20,774)	30,571	108,569	3
4	6090	Ancillary Service Upward Neutrality Allocation	-	32	(0)	(0)	30	4
5	6194	Spinning Reserve Obligation Settlement	(124)	102	(103)	(149)	(1,074)	5
6	6294	Non-Spinning Reserve Obligation Settlement	(15)	84	(48)	(105)	(162)	6
7	6457	Declined Hourly Pre-Dispatched Penalty Allocation	-	(0)	(0)	(0)	(0)	7
8	6620	Bid Cost Recovery Settlement	-	-	-	-	-	8
9	6788	Real Time Market Congestion Credit Settlement	21,356	3,313	(8,959)	(2,302)	(264,043)	9
10	6791	CRR Accrued Interest Allocation	(0)	(0)	-	(0)	(0)	10
11	6947	IFM Marginal Losses Surplus Credit Allocation	(84,857)	(133,400)	(144,851)	(152,286)	(1,162,487)	11
12	6977	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	(0)	(55)	(30)	0	(95)	12
13	7057	Flexible Ramp Supply Cost Allocation Reversal	(0)	(0)	(1)	(20)	(87)	13
14	7070	Flexible Ramp Forecasted Movement Settlement	(17,980)	(16,171)	(383)	(121)	(5,268)	14
15	7078	Monthly Flexible Ramp Up Uncertainty Award Allocation	(1,292)	(3,399)	(461)	229	8,353	15
16	7989	Invoice Deviation Interest Distribution	(5)	(254)	(194)	(176)	(817)	16
17	8526	Generator Interconnection Process Forfeited Deposit Allocation	-	-	-	-	(5,853)	17
18	8999	Neutrality Adjustment	-	-	-	-	0	18
19		All Other						19
20								20
21		TRBAA Expenses						21
22	0525	FERC Fees Under/Over Recovery	-	-	53	-	53	22
23	0550	FERC Fees	4	17	-	6	39	23
24	1303	Supplemental Reactive Energy Allocation	-	-	-	-	26	24
25	4515	Bid Segment Fee	36	34	37	34	422	25
26	4560	GMC - Market Service Charge	330	254	1,417	283	12,231	26
27	4561	GMC - System Operations Charge	276	279	306	203	3,309	27
28	4563	GMC - Transmission Ownership Rights	34,987	43,519	48,982	46,086	437,106	28
29	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000	12,000	29
30	6196	Spinning Reserve Neutrality Allocation	-	72	-	(0)	69	30
31	6296	Non-Spinning Reserve Neutrality Allocation	-	46	-	(0)	44	31
32	6460	FMM Instructed Imbalance Energy Settlement	(95,540)	58,169	14,386	2,871	305,698	32
33	6470	Real-Time Instructed Imbalance Energy Settlement	(9,836)	95	8,517	419	39,727	33
34	6477	Real-Time Imbalanced Energy Offset	(12)	1,298	(832)	42	693	34
35	6478	Real Time System Imbalance Energy Offset	-	-	-	-	(1)	35
36	6636	IFM Bid Cost Recovery Tier 1 Allocation	494	-	-	-	494	36
37	6678	Real Time Bid Cost Recovery Allocation	12	72	39	(15)	146	37
38	6774	Real Time Congestion Offset	(0)	(69)	49	2	276	38
39	6790	CRR Balancing Account	0	207	(17)	(1)	176	39
40	6985	Real Time Marginal Losses Offset	(1,191)	(2,513)	(4,755)	(6,132)	(6,011)	40
41	7056	Flexible Ramp Cost Allocation	(0)	92	24	46	3,819	41
42	7058	Monthly Flexible Ramp Supply Cost Allocation	1	2	3	15	125	42
43	7077	Daily Flexible Ramp Up Uncertainty Award Allocation	1,022	2,246	916	1,169	29,108	43
44	7087	Daily Flexible Ramp Down Uncertainty Award Allocation	(131)	(558)	-	0	3,404	44
45	7088	Monthly Flexible Ramp Down Uncertainty Award Allocation	(176)	(386)	9	(16)	4,044	45
46	7999	Invoice Deviation Interest Allocation	7	0	3	0	284	46
47								47
48		Grand Total	\$ (3,244)	\$ (37,674)	\$ (105,668)	\$ (78,352)	\$ (478,055)	48
49								49
50								50
51		Adjusted Total ETC Cost Differential - Line 48 above	\$ (3,244)	\$ (37,674)	\$ (105,668)	\$ (78,352)	\$ (478,055)	51
52		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	\$ (3,244)	\$ (37,674)	\$ (105,668)	\$ (78,352)	\$ (478,055)	52
53		Difference	-	-	-	-	-	53
54								54

Work Paper - 11

Derivation of Other PTO Related Revenue (Credits)/Charges Forecast and its Allocation Between High Voltage and Low Voltage Facilities

San Diego Gas & Electric Company
2018 TRBAA Filing
Derivation of Other PTO Related Revenue (Credits) / Charges

Line No.	A Actual Recorded Month	B TRBAA Recorded Other PTO Related Revenue (Credits)/Charges ¹	C Forecast Month	D TRBAA Forecast		Line No.
				Other PTO Related Revenue (Credits)/Charges - Cash Month ²		
1	Oct-16	\$ 1,140	Jan-18	\$	(164,133)	1
2	Nov-16	10,518	Feb-18		(164,133)	2
3	Dec-16	1,758	Mar-18		(164,133)	3
4	Jan-17	(13,290)	Apr-18		(164,133)	4
5	Feb-17	(14,146)	May-18		(164,133)	5
6	Mar-17	(15,607)	Jun-18		(164,133)	6
7	Apr-17	(14,609)	Jul-18		(164,133)	7
8	May-17	(11,174)	Aug-18		(164,133)	8
9	Jun-17	(18,585)	Sep-18		(164,133)	9
10	Jul-17	944	Oct-18		(164,133)	10
11	Aug-17	1,365	Nov-18		(164,133)	11
12	Sep-17	(1,897,913)	Dec-18		(164,133)	12
13	Total (a)	\$ (1,969,599)	(b)	\$	(1,969,599)	13
14						14
1	See WP No. 5; Pages 5.1 and 5.2; Line 13/ WP No. 11; Page 11.2 Total Col. Line 7			\$	(1,969,599)	(a)
2	Forecast Per Month = (a) / 12 Months			\$	(164,133)	(b)

San Diego Gas & Electric Company		2018 - TRBAA Rate Filing		Derivation of Other PTO Related Revenue (Credits)/Charges Allocated Between HV and LV	
Line No.	Reference	High Voltage	Low Voltage	Total	
1	Note 1: Forecast of Other PTO Related Revenue (Credits)/Charges				
2					
3	Recorded Other PTO Related Revenue (Credits)/Charges For Twelve Month Period Ending 9/30/2017			\$ (70,535)	WP No. 12; Page 12.2, Total Col, Line 7
4					
5	Charge Code 8526 credits allocated by specific HV/LV For Twelve Month Period Ending 9/30/2017 (Note 3)			(1,899,063)	WP No. 12; Page 12.2, Total Col, Line 9
6					
7	Net Derived Forecast of Other PTO Related Revenue (Credits)/Charges allocated by gross plant (Note 2)			\$ (1,969,599)	Sum Lines 3 to 5
8					
9	Note 2: Allocation of Other PTO Related Revenue (Credits)/Charges on Line 7	(A)	(B)	(C) = (A) + (B)	
10					
11	Development of Gross Plant Balances Allocation Ratios:	High Voltage	Low Voltage	Total	
12					
13	TO4 Cycle 5 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 3,284,586	\$ 1,704,678	\$ 4,989,264	Per anticipated Vol. 1; Stmt BK2; Page 2; Line 14 that will be filed in the TO4-Cycle 5 Informational Filing on December 1, 2017
14					
15	TO4 Cycle 5 - Weighted Forecast Plant Additions; Dollars in (\$000)	\$ 506,615	\$ 361,046	\$ 867,661	Per anticipated Vol. 1; Stmt BK2; Page 2; Line 19 that will be filed in the TO4-Cycle 5 Informational Filing on December 1, 2017
16					
17	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 3,791,201	\$ 2,065,724	\$ 5,856,925	Sum Lines 13 and 15
18					
19	High Voltage - Low Voltage Allocation Ratios Based on Gross Plant; Per Line 17	64.73%	35.27%	100.00%	Allocation Ratios Based on Line 17
20					
21	Net Forecast of Other PTO Related Revenue (Credits)/Charges			\$ (70,535)	See Line 3 above
22					
23	Allocation Ratios Based on Gross Plant Balances; Per Line 21	64.73%	35.27%	100.00%	See Line 19 Above
24					
25	Total Allocation of Other PTO Related Revenue (Credits)/Charges on Line 3	\$ (45,658)	\$ (24,878)	\$ (70,535)	Line 21 x Line 23
26					
27	Note 3: Allocation of Other PTO Related Revenue (Credits)/Charges on Line 5	\$ (1,634,106)	\$ (264,958)	\$ (1,899,063)	See WP 12.1 to 12.2 footnote (b) on the HV/LV allocation per CAISO
28					
29	Total Other PTO Related Revenue (Credits)/Charges HV/LV Allocation	\$ (1,679,763)	\$ (289,835)	\$ (1,969,599)	Line 25 + Line 27
30					

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

**San Diego Gas & Electric Company
2018 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-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
1	7989	Invoice Deviation Interest Distribution	\$ (338)	\$ (134)	\$ (68)	\$ (13,570)	\$ (16,061)	\$ (17,947)
2								
3	7999	Invoice Deviation Interest Allocation	1,478	10,652	1,827	281	2,054	2,340
4								
5	8999	Neutrality Adjustment	-	-	-	-	-	-
6								
7		Sub-Total	1,140	10,518	1,758	(13,290)	(14,007)	(15,607)
8								
9	8526	Generator Interconnection Process Forfeited Deposit Allocation ^b	-	-	-	-	(139)	-
10								
11		Grand Total	\$ 1,140	\$ 10,518	\$ 1,758	\$ (13,290)	\$ (14,146)	\$ (15,607)
12								
13								
14		Adjusted Total Other PTO Related Revenue (Credits)/Charges - Line 11 above	\$ 1,140	\$ 10,518	\$ 1,758	\$ (13,290)	\$ (14,146)	\$ (15,607)
15		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 14	\$ 1,140	\$ 10,518	\$ 1,758	\$ (13,290)	\$ (14,146)	\$ (15,607)
16		Difference	-	-	-	-	-	-
17								
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, the CAISO Charge Code 8526 that were received as indicated above are allocated to HV/LV as follows:						
		High Voltage					\$ -	
		Low Voltage					(139)	
		Total					\$ (139)	

San Diego Gas & Electric Company
2018 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-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Total	Line No.
1	7989	Invoice Deviation Interest Distribution	\$ (15,947)	\$ (18,797)	\$ (18,610)	\$ (363)	\$ (152)	\$ (420)	\$ (102,408)	1
2										2
3	7999	Invoice Deviation Interest Allocation	1,338	7,623	25	1,307	1,517	1,432	31,873	3
4										4
5	8999	Neutrality Adjustment	-	-	-	-	-	-	-	5
6										6
7		Sub-Total	(14,609)	(11,174)	(18,585)	944	1,365	1,012	(70,535)	7
8										8
9	8526	Generator Interconnection Process Forfeited Deposit Allocation ^b	-	-	-	-	-	(1,898,925)	(1,899,063)	9
10										10
11		Grand Total	\$ (14,609)	\$ (11,174)	\$ (18,585)	\$ 944	\$ 1,365	\$ (1,897,913)	\$ (1,969,599)	11
12										12
13										13
14		Adjusted Total Other PTO Related Revenue (Credits)/Charges - Line 11 above	\$ (14,609)	\$ (11,174)	\$ (18,585)	\$ 944	\$ 1,365	\$ (1,897,913)	\$ (1,969,599)	14
15		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 14	\$ (14,609)	\$ (11,174)	\$ (18,585)	\$ 944	\$ 1,365	\$ (1,897,913)	\$ (1,969,599)	15
16		Difference	-	-	-	-	-	-	-	16
17										17
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, the CAISO Charge Code 8526 that were received as indicated above are allocated to HV/LV as follows:								
		High Voltage						\$ (1,634,106)	\$ (1,634,106)	
		Low Voltage						(264,819)	(264,958)	
		Total						\$ (1,898,925)	\$ (1,899,063)	