

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

San Diego Gas & Electric Company

Docket No. ER17- -000

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

November 1, 2016



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November 1, 2016

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, 2017 Annual TRBAA Rate Revision,
Docket No. ER17-____-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, 2017.³

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

I. TRBAA RATE AND REVISION

The TRBAA is the ratemaking mechanism designed to ensure that Transmission Revenue Credits flow through to transmission customers. Section 5.5 of the TO Tariff identifies the items subject to the Transmission Revenue Balancing Account Adjustment and sets forth the procedure

¹ 16 U.S.C. § 824d; 18 C.F.R. §§ 35, *et seq.* (2014).

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, 2016, in Docket No. ER16-550-000, by delegation letter order dated February 10, 2016.

for revising the TRBAA rate annually. This annual revision is based on the recorded balance in the TRBAA as of September 30 of the current year, a forecast of the Transmission Revenue Credit expected to be received in the following year, and Franchise Fees/Uncollectibles. The derivation of the Retail and CAISO/Wholesale (“Wholesale”) TRBAA are shown in Statement BK-1 and Statement BK-2, respectively. The following provides a summary of the derivation of the TRBAA and the primary reason(s) for the change.

		<u>Retail End Use</u>	<u>CAISO/Wholesale</u>
TRBAA Balance @ 9/30/2016	=	\$ 24,294,742	\$ 24,294,742
Transmission Revenue Credits Forecast	=	\$ 8,483,434	\$ 8,483,434
Franchise Fees/Uncollectibles	=	\$ 393,895	\$ 336,861
Total TRBAA		<u>\$ 33,172,071</u>	<u>\$33,115,037</u>

The final 2017 retail TRBAA is a credit to End-Use Customers of (\$33,172,071) and for wholesale a credit of (\$33,115,037). The 2016 retail TRBAA was a credit to End-Use Customers of (\$15,963,699) and for wholesale a credit of (\$15,936,253). The increase in Transmission Revenue Credit was primarily due to settlement of claims which paid SDG&E approximately \$22,192,006.⁴ To pass through this credit, SDG&E is proposing a 2017 TRBAA rate of (\$0.00170) per kWh, compared to the current rate of (\$0.00081) 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 4 BTRR that will go into effect in January 1, 2017,⁵ and the TRBAA amounts in the instant filing.

III. DIFFERENCES IN THIS FILING FROM PRIOR YEARS’ ANNUAL RATE UPDATE

On December 17, 2015, SDG&E filed the 2016 annual updates to its TRBAA and Transmission Access Charge Balancing Account Adjustment (“TACBAA”). Previously, SDG&E combined the annual updates to the TRBAA and TACBAA in a single filing for

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 4 filing on December 1, 2016. “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 4” refers to the fact the formula rate contemplates annual filings, and that this represents the fourth such filing under the fourth formula rate.

administrative purposes. SDG&E is changing the single filing practice and will file the TRBAA and TACBAA separately. SDG&E submits the revised TRBAA now so it can reflect the filed amounts in Appendix I of SDG&E's Cycle 4 Informational Filing of its Fourth Transmission Owner ("TO") Formula transmission rate mechanism ("TO4"), which is to be filed December 1, 2016, with a proposed effective date of January 1, 2017.

SDG&E will continue to submit its annual TACBAA update in December, in order to have that rate reflect the most recent BTRR submitted to the Commission, which will be that submitted with SDG&E's December 2016 TO4, Cycle 4 filing described in n. 5 above.

IV. EFFECTIVE DATE

SDG&E respectfully request the Commission to assign the revised tariff section an effective date of January 1, 2017.

V. 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.

VI. CORRESPONDENCE

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

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The Hon. Kimberly D. Bose, Secretary

November 1, 2016

Page 4 of 4

VII. LIST OF DOCUMENTS SUBMITTED

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

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

VIII. CONCLUSION

SDG&E respectfully requests that the Commission accepts and approves the rate and tariff changes tendered herewith, effective January 1, 2017.

Respectfully submitted,

/s/ E. Gregory Barnes

E. Gregory Barnes

Attorney For

SAN DIEGO GAS & ELECTRIC COMPANY

November 1, 2016

Enclosures

CERTIFICATE OF SERVICE

I hereby certify that on this 1st day of November, 2016, 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, 2016.

/s/ Tamara Grabowski

Tamara Grabowski
Legal Administrative Associate
SDG&E Law Department
8330 Century Park Court, CP32D
San Diego, California 92123
Phone: (858) 654-1827

San Diego Gas & Electric Company
2017 TRBAA Filing

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

ER 17-_____ - _____

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 (\$0.00170) per kilowatt-hour shall be applied to all SDG&E End-User Customers bills.

**ISO Wholesale
Transmission Revenue Balancing Account Adjustment
TRBAA
Service Year 2017**

A:	High Voltage TRBAA	\$	(31,191,079)
B.	Low Voltage TRBAA		<u>(1,923,958)</u>
C.	Total ISO Wholesale TRBAA:	\$	<u>(33,115,037)</u>

San Diego Gas & Electric Company
2017 TRBAA Filing

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

ER 17-____ - ____

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~~170984~~) 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~~7~~6**

A:	High Voltage TRBAA	\$ (31,191,079 15,731,056)
B:	Low Voltage TRBAA	(1,923,958 205,197)
C:	Total ISO Wholesale TRBAA:	\$ (33,115,037 15,936,253)

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

~~A Transmission Access Charge Balancing Account Adjustment Rate equal to
(\$0.00870) per kilowatt-hour shall be billed to all SDG&E End-User Customers.~~

San Diego Gas & Electric Company
2017 TRBAA Filing

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

ER17- _____ - _____

APPENDIX - I
SDG&E's Transmission Revenue Requirement
Annual TRBAA Rate Filing Per Docket No. ER17- _____-000
Effective January 1, 2017 – December 31, 2017

1. **Wholesale Customers:** For purposes of the CAISO's calculation of Transmission Access Charges:
 - a. The Wholesale Transmission Revenue Requirement shall be **\$655,187,483¹**, which is equal to the Wholesale Base Transmission Revenue Requirement of **\$700,672,000**, reduced by the Wholesale TRBAA of **\$33,115,037** and reduced by Standby Transmission Revenue of **\$12,369,480**.
 - b. The High Voltage Transmission Revenue Requirement shall be **\$404,386,165**.
 - c. The Low Voltage Transmission Revenue Requirement shall be **\$250,801,318**.
 - d. Gross Load consistent with the High Voltage Transmission Revenue Requirement shall be **20,467,098** megawatt hours.
2. **Effective Date:** The amounts in (1) shall be effective January 1, 2017, or until amended by the Participating TO or modified by FERC.

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

BTRR TO4-Cycle 4 Informational Filing Docket ER17- -	-	=\$700,672,000
TRBAA per FERC Order in Docket ER17- -000		= (33,115,037)
Standby Revenues TO4-Cycle 4 Informational Filing ER17- -		= <u>(12,369,480)</u>
TOTAL		= <u>\$655,187,483</u>

San Diego Gas & Electric Company
2017 TRBAA Filing


Attachment – D
Attestation Form

ER17-____-_____

**ATTESTATION RE SAN DIEGO GAS & ELECTRIC'S
2017 Annual TRBAA Rate Revisions
(18 CFR § 35.13 (d)(7))**

I, David Geier, attest that I am Vice President – Electric Transmission and Engineering of 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 31, 2016



David Geier

.....

California All-Purpose Acknowledgement

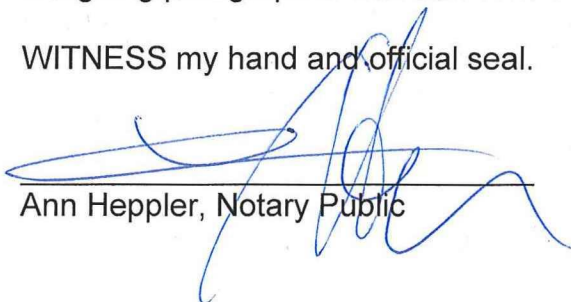
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
)
County of San Diego)

On October 31, 2016 before me, Ann Heppler, a Notary Public, personally appeared Dave Geier, 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
2017 TRBAA Rate Filing

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

ER 17-____- ____

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

ER17-_____-_____

Statement BD														
San Diego Gas & Electric Company														
2017 - TRBAA Rate Filing														
Allocation Energy and Supporting Data														
Recorded Sales @ KWH														
	(A)	(B)	(C) = (A) - (B)											
Line No.	Date	Retail Energy Sales @ Meter Level Plus Sale for Resale	Sale for Resale (Escondido Mutual) ¹	Retail Energy Sales @ Meter Level Net of Sale for Resale										Reference
1	Oct-15	1,951,229,343	525	1,951,228,818										Worksheet No. 1; Page 1.1; Lines 30; 29
2	Nov-15	1,695,442,014	565	1,695,441,449										Worksheet No. 1; Page 1.1; Lines 30; 29
3	Dec-15	1,637,252,269	3,676	1,637,248,593										Worksheet No. 1; Page 1.1; Lines 30; 29
4	Jan-16	1,588,826,407	5,993	1,588,820,414										Worksheet No. 1; Page 1.1; Lines 30; 29
5	Feb-16	1,347,386,452	6,231	1,347,380,221										Worksheet No. 1; Page 1.1; Lines 30; 29
6	Mar-16	1,671,273,573	5,954	1,671,267,619										Worksheet No. 1; Page 1.1; Lines 30; 29
7	Apr-16	1,437,258,099	9,212	1,437,248,887										Worksheet No. 1; Page 1.1; Lines 30; 29
8	May-16	1,373,673,541	10,406	1,373,663,135										Worksheet No. 1; Page 1.1; Lines 30; 29
9	Jun-16	1,475,478,960	9,837	1,475,469,123										Worksheet No. 1; Page 1.1; Lines 30; 29
10	Jul-16	1,502,821,950	10,310	1,502,811,640										Worksheet No. 1; Page 1.1; Lines 30; 29
11	Aug-16	1,983,833,536	4,609	1,983,828,927										Worksheet No. 1; Page 1.1; Lines 30; 29
12	Sep-16	1,858,676,431	8,635	1,858,667,796										Worksheet No. 1; Page 1.1; Lines 30; 29
13														
14														
15	Total	19,523,152,575	75,953	19,523,076,622										Sum Lines 1 thru 12
1		Escondido Mutual sales are excluded from the KWh total because they are classified as sales to wholesale customers.												

		Statement BD				
San Diego Gas & Electric Company						
2017 - TRBAA Rate Filing						
Allocation Energy and Supporting Data						
Forecast Sales @ KWH						
	(A)	(B)	(C) = (A) - (B)			
Line	Retail Energy Sales @ Meter Level	Sale for Resale (Escondido Mutual) ¹	Retail Energy Sales @ Meter Level		Line	
No.	Plus Sale for Resale		Net of Sale for Resale	Reference	No.	
1	Jan-17	1,663,891,817	3,012	1,663,888,805	Workpaper No. 1; Page 1.2; Lines 30; 29	1
2	Feb-17	1,540,780,204	2,868	1,540,777,336	Workpaper No. 1; Page 1.2; Lines 30; 29	2
3	Mar-17	1,514,608,912	2,894	1,514,606,018	Workpaper No. 1; Page 1.2; Lines 30; 29	3
4	Apr-17	1,471,812,648	2,826	1,471,809,822	Workpaper No. 1; Page 1.2; Lines 30; 29	4
5	May-17	1,503,669,274	2,846	1,503,666,428	Workpaper No. 1; Page 1.2; Lines 30; 29	5
6	Jun-17	1,573,582,499	2,939	1,573,579,560	Workpaper No. 1; Page 1.2; Lines 30; 29	6
7	Jul-17	1,744,976,778	2,970	1,744,973,808	Workpaper No. 1; Page 1.2; Lines 30; 29	7
8	Aug-17	1,737,892,444	2,835	1,737,889,609	Workpaper No. 1; Page 1.2; Lines 30; 29	8
9	Sep-17	1,939,570,182	2,966	1,939,567,216	Workpaper No. 1; Page 1.2; Lines 30; 29	9
10	Oct-17	1,720,676,606	2,843	1,720,673,763	Workpaper No. 1; Page 1.2; Lines 30; 29	10
11	Nov-17	1,583,902,709	2,868	1,583,899,841	Workpaper No. 1; Page 1.2; Lines 30; 29	11
12	Dec-17	1,606,528,905	2,960	1,606,525,945	Workpaper No. 1; Page 1.2; Lines 30; 29	12
13						13
14						14
15	Total	19,601,892,978	34,827	19,601,858,151	Sum Lines 1 thru 12	15
¹	Escondido Mutual 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									
2017 - TRBAA Rate Filing									
January 2017 - December 2017 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-17	1,663,892	3	1,663,889	1,734,088	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	1		
2	Feb-17	1,540,780	3	1,540,777	1,605,783	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	2		
3	Mar-17	1,514,609	3	1,514,606	1,578,507	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	3		
4	Apr-17	1,471,813	3	1,471,810	1,533,905	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	4		
5	May-17	1,503,669	3	1,503,666	1,567,106	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	5		
6	Jun-17	1,573,582	3	1,573,580	1,639,969	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	6		
7	Jul-17	1,744,977	3	1,744,974	1,818,594	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	7		
8	Aug-17	1,737,892	3	1,737,890	1,811,211	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	8		
9	Sep-17	1,939,570	3	1,939,567	2,021,398	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	9		
10	Oct-17	1,720,677	3	1,720,674	1,793,269	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	10		
11	Nov-17	1,583,903	3	1,583,900	1,650,725	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	11		
12	Dec-17	1,606,529	3	1,606,526	1,674,305	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	12		
13							13		
14	Total	19,601,893	35	19,601,858	20,428,861	Sum Lines 1 thru 12	14		
15							15		
16	Retail Sales Forecast @ Meter Level			19,601,858		Col. C; Line 14	16		
17							17		
18							18		
19	Transmission Loss Factor ²	38,128,481	39,737,281	1,04219		Column B / Column A	19		
20							20		
21							21		
22	Retail Sales Forecast @ Transmission Level				20,428,861	Col. D; Line 14	22		
23							23		
24	Olivenhain-Hodges Pumped Storage Facility ³				38,237	Statement BD; Page 4 of 4	24		
25							25		
26	Total Gross Load Forecast				20,467,098	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 4 on December 1, 2016.								
	The 1.04219 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 2017 - December 2017
MWH SALES FORECAST @ Transmission Level

2017 (MWh)	1	2	3	4	5	6	7	8	9	10	11	12	Total
Lake Hodges Pumping Load	2,640	2,984	2,927	3,558	3,214	4,577	4,261	4,075	3,558	2,468	2,238	1,320	37,820
													1.0110
													38,237

Primary Level Distribution Loss Factor
Total Lake Hodges Pumping Load

San Diego Gas & Electric Company

Attachment E – (Cont'd)

B. Statement BG - Revenue Data to Reflect Changed Rates

ER17-____-____

Statement BG												
SAN DIEGO GAS & ELECTRIC COMPANY												
Comparison of Transmission Revenue Balancing Account (TRBAA) Revenues During Rate Effective Period @ Forecast Billing Determinants												
For Rate Effective Period Twelve Months Ending December 31, 2017												
(\$000)												
Line No.	Customer Classes	(A) (Statement BG) 2017	(B) (Statement BH) 2017	(C) = (A) - (B)	(D) = (C) / (B)	Reference	Line No.					
		TRBAA Revenues @ Proposed Rates	TRBAA Revenues @ Present Rates	(\$ Change	(%)							
1	Residential Customers	\$ (11,565,444)	\$ (5,510,594)	\$ (6,054,850)	109.88%	Statement BG; Pg.2 of 4; Col. M; Ln.1	1					
2						Statement BH; Pg.1 of 3; Col. M; Ln.1	2					
3	Small Commercial Customers	(3,810,153)	(1,815,426)	(1,994,727)	109.88%	Statement BG; Pg.2 of 4; Col. M; Ln.3	3					
4						Statement BH; Pg.1 of 3; Col. M; Ln.3	4					
5	Medium-Large Commercial Customers	(17,283,063)	(8,234,872)	(9,048,191)	109.88%	Statement BG; Pg.2 of 4; Col. M; Ln.5	5					
6						Statement BH; Pg.1 of 3; Col. M; Ln.5	6					
7	Agriculture (PA and TOU-PA)	(142,865)	(68,070)	(74,795)	109.88%	Statement BG; Pg.2 of 4; Col. M; Ln.7	7					
8						Statement BH; Pg.1 of 3; Col. M; Ln.7	8					
9	Agriculture (PA-T-1)	(374,830)	(178,596)	(196,234)	109.88%	Statement BG; Pg.2 of 4; Col. M; Ln.9	9					
10						Statement BH; Pg.1 of 3; Col. M; Ln.9	10					
11	Street Lighting Customers	(146,805)	(69,948)	(76,857)	109.88%	Statement BG; Pg.2 of 4; Col. M; Ln.11	11					
12						Statement BH; Pg.1 of 3; Col. M; Ln.11	12					
13	Grand Total	\$ (33,323,160)	\$ (15,877,506)	\$ (17,445,654)	109.88%	Sum Lines 1 through 11	13					

Statement BG													
SAN DIEGO GAS AND ELECTRIC COMPANY													
Transmission Revenue Balancing Account (TRBA) Revenue Data To Reflect Changed Rates													
For Rate Effective Period - Twelve Months Ending January 1, 2017 through December 31, 2017													
Line No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Total
1	Residential Customers ¹	\$ (1,088,702)	\$ (938,662)	\$ (896,639)	\$ (825,782)	\$ (869,572)	\$ (997,161)	\$ (1,027,207)	\$ (1,184,124)	\$ (1,010,667)	\$ (895,679)	\$ (1,000,991)	\$ (11,565,444)
2	Small Commercial ²	(312,973)	(300,426)	(299,146)	(293,675)	(312,172)	(341,845)	(339,895)	(369,251)	(334,089)	(306,228)	(301,395)	(3,810,153)
4	Medium-Large Commercial ³	(1,381,356)	(1,333,922)	(1,333,853)	(1,333,059)	(1,431,132)	(1,560,876)	(1,523,652)	(1,676,481)	(1,520,703)	(1,436,396)	(1,380,563)	(17,283,063)
6	Agriculture (PA and TOU-PA) ⁴	(8,352)	(9,132)	(8,543)	(10,235)	(13,775)	(15,296)	(14,810)	(15,726)	(13,672)	(11,884)	(9,741)	(142,865)
8	Agriculture (PA-T-1) ⁵	(24,579)	(25,103)	(24,531)	(27,545)	(36,054)	(38,742)	(36,883)	(39,104)	(34,000)	(30,266)	(25,747)	(374,830)
10	Street Lighting ⁶	(12,650)	(12,077)	(12,118)	(11,780)	(12,380)	(12,536)	(11,965)	(12,579)	(12,014)	(12,177)	(12,657)	(146,805)
12													
13													
14	TOTAL	\$ (2,828,612)	\$ (2,619,322)	\$ (2,574,830)	\$ (2,502,076)	\$ (2,675,085)	\$ (2,966,456)	\$ (2,954,412)	\$ (3,297,265)	\$ (2,925,145)	\$ (2,692,630)	\$ (2,731,094)	\$ (33,323,160)
1	See pages 3 and 4 for detailed calculation of Residential Customer revenues that reflect changed rates.												
2	See pages 3 and 4 for detailed calculation of Small Commercial Customer revenues that reflect changed rates.												
3	See pages 3 and 4 for detailed calculation of Medium and Large Commercial Customer revenues that reflect changed rates.												
4	See pages 3 and 4 for detailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect changed rates.												
5	See pages 3 and 4 for detailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates.												
6	See pages 3 and 4 for detailed calculation of Street Lighting Customer revenues that reflect changed rates.												

Statement BG									
SAN DIEGO GAS AND ELECTRIC COMPANY									
Transmission Revenue Balancing Account (TRBA) Revenue Data To Reflect Changed Rates									
For Rate Effective Period - Twelve Months Ending January 1, 2017 through December 31, 2017									
Line No.	Customer Classes	(A) Jan-17 Energy (kWh)	(B) Feb-17 Energy (kWh)	(C) Mar-17 Energy (kWh)	(D) Apr-17 Energy (kWh)	(E) May-17 Energy (kWh)	(F) Jun-17 Energy (kWh)	(G) Reference	Line No.
1	Residential Customers	640,412,732	552,154,007	527,434,720	485,754,118	488,387,300	511,512,717	Workpaper No. 1; Page 1.2; Line 23	1
2		184,101,473	176,720,967	175,968,347	172,750,257	175,916,332	183,630,599	Workpaper No. 1; Page 1.2; Line 24	2
3	Small Commercial	812,562,344	784,660,017	784,619,615	784,152,525	806,511,732	841,842,465	Workpaper No. 1; Page 1.2; Line 25	3
4		4,913,031	5,371,812	5,025,072	6,020,805	6,881,578	8,103,048	Workpaper No. 1; Page 1.2; Line 26	4
5	Medium-Large Commercial	14,458,233	14,766,560	14,430,224	16,202,793	18,986,073	21,208,391	Workpaper No. 1; Page 1.2; Line 27	5
6		7,440,992	7,103,973	7,128,040	6,929,324	6,983,413	7,282,340	Workpaper No. 1; Page 1.2; Line 28	6
7	Agriculture (PA and TOU-PA)	1,663,888,805	1,540,777,336	1,514,606,018	1,471,809,822	1,503,666,428	1,573,579,560	Sum Lines 1 thru 11	7
8									8
9	Agriculture (PA-T-1)								9
10									10
11	Street Lighting								11
12									12
13	TOTAL								13
14									14
15									15
16									16
17									17
18	Residential Customers								18
19									19
20	Small Commercial								20
21									21
22	Medium-Large Commercial								22
23									23
24	Agriculture (PA and TOU-PA)								24
25									25
26	Agriculture (PA-T-1)								26
27									27
28	Street Lighting								28
29									29
30									30
31									31
32									32
33	Residential Customers								33
34									34
35	Small Commercial								35
36									36
37	Medium-Large Commercial								37
38									38
39	Agriculture (PA and TOU-PA)								39
40									40
41	Agriculture (PA-T-1)								41
42									42
43	Street Lighting								43
44									44
45	TOTAL								45

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Revenue Balancing Account (TRBA) Revenue Data To Reflect Changed Rates
For Rate Effective Period - Twelve Months Ending January 1, 2017 through December 31, 2017

Line No.	Customer Classes	(H) Jul-17 Energy (kWh)	(I) Aug-17 Energy (kWh)	(J) Sep-17 Energy (kWh)	(K) Oct-17 Energy (kWh)	(L) Nov-17 Energy (kWh)	(M) Dec-17 Energy (kWh)	(N) Total Energy (kWh)	(O) Reference
1	Residential Customers	586,565,001	604,239,704	696,543,692	594,509,850	526,869,900	588,818,383	6,803,202,124	Workpaper No. 1; Page 1.2; Line 23
2									
3	Small Commercial	201,085,285	199,938,373	217,206,558	196,522,876	180,134,029	177,291,289	2,241,266,385	Workpaper No. 1; Page 1.2; Line 24
4									
5	Medium-Large Commercial/Industrial	918,162,582	896,265,601	986,165,308	894,531,436	844,938,754	812,095,994	10,166,508,313	Workpaper No. 1; Page 1.2; Line 25
6									
7	Agriculture (PA and TOU-PA)	8,997,740	8,712,052	9,250,379	8,042,444	6,990,704	5,729,743	84,038,408	Workpaper No. 1; Page 1.2; Line 26
8									
9	Agriculture (PA-T-1)	22,789,140	21,695,791	23,002,075	19,999,966	17,803,692	15,145,487	220,488,425	Workpaper No. 1; Page 1.2; Line 27
10									
11	Street Lighting	7,374,060	7,038,088	7,399,204	7,067,191	7,162,762	7,445,109	86,354,496	Workpaper No. 1; Page 1.2; Line 28
12									
13	TOTAL	1,744,973,808	1,737,889,609	1,939,567,216	1,720,673,763	1,583,899,841	1,606,525,945	19,601,858,151	Sum Lines 1 thru 11
14									
15									
16									
17									
18	Residential Customers	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL; Page 1; Line 27
19									
20	Small Commercial	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL; Page 1; Line 27
21									
22	Medium-Large Commercial	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL; Page 1; Line 27
23									
24	Agriculture (PA and TOU-PA)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL; Page 1; Line 27
25									
26	Agriculture (PA-T-1)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	Statement BL; Page 1; Line 27
27									
28	Street Lighting	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	\$ (0.00170)	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	Revenues @ Changed Rates	
32		\$ (997,161)	\$ (1,027,207)	\$ (1,184,124)	\$ (1,010,667)	\$ (895,679)	\$ (1,000,991)	\$ (11,565,444)	Line 1 x Line 18
33	Residential Customers								
34									
35	Small Commercial	(341,845)	(339,895)	(369,251)	(334,089)	(306,228)	(301,395)	(3,810,153)	Line 3 x Line 20
36									
37	Medium-Large Commercial	(1,560,876)	(1,523,652)	(1,676,481)	(1,520,703)	(1,436,396)	(1,380,563)	(17,283,063)	Line 5 x Line 22
38									
39	Agriculture (PA and TOU-PA)	(15,296)	(14,810)	(15,726)	(13,672)	(11,884)	(9,741)	(142,865)	Line 7 x Line 24
40									
41	Agriculture (PA-T-1)	(38,742)	(36,883)	(39,104)	(34,000)	(30,266)	(25,747)	(374,830)	Line 9 x Line 26
42									
43	Street Lighting	(12,536)	(11,965)	(12,579)	(12,014)	(12,177)	(12,657)	(146,805)	Line 11 x Line 28
44									
45	TOTAL	\$ (2,966,456)	\$ (2,954,412)	\$ (3,297,265)	\$ (2,925,145)	\$ (2,692,650)	\$ (2,731,094)	\$ (33,323,160)	Sum Lines 33 through 43

San Diego Gas & Electric Company

Attachment – E (Cont'd)

C. Statement BH - Revenue Data to Reflect Present Rates

ER17-_____-000

Statement BH														
SAN DIEGO GAS AND ELECTRIC COMPANY														
Transmission Revenue Balancing Account (TRBA) Revenue Data To Reflect Present Rates														
For Rate Effective Period - Twelve Months Ending January 1, 2017 through December 31, 2017														
Line No.	Customer Class	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
		Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Total
1	Residential Customers ¹	\$ (518,734)	\$ (447,245)	\$ (427,222)	\$ (393,461)	\$ (395,594)	\$ (414,325)	\$ (475,118)	\$ (489,434)	\$ (564,200)	\$ (481,553)	\$ (426,765)	\$ (476,943)	\$ (5,510,594)
2														
3	Small Commercial ²	(149,122)	(143,144)	(142,534)	(139,928)	(142,492)	(148,741)	(162,879)	(161,950)	(175,937)	(159,184)	(145,909)	(143,606)	(1,815,426)
4														
5	Medium-Large Commercial ³	(658,175)	(635,575)	(635,542)	(635,164)	(653,275)	(681,892)	(743,712)	(725,975)	(798,794)	(724,570)	(684,400)	(657,798)	(8,234,872)
6														
7	Agriculture (PA and TOU-PA) ⁴	(3,980)	(4,351)	(4,070)	(4,877)	(5,574)	(6,563)	(7,288)	(7,057)	(7,493)	(6,514)	(5,662)	(4,641)	(68,070)
8														
9	Agriculture (PA-T-1) ⁵	(11,711)	(11,961)	(11,688)	(13,124)	(15,379)	(17,179)	(18,459)	(17,574)	(18,632)	(16,200)	(14,421)	(12,268)	(178,596)
10														
11	Street Lighting ⁶	(6,027)	(5,754)	(5,774)	(5,613)	(5,657)	(5,899)	(5,973)	(5,701)	(5,993)	(5,724)	(5,802)	(6,031)	(69,948)
12														
13														
14	TOTAL	\$ (1,347,749)	\$ (1,248,030)	\$ (1,226,830)	\$ (1,192,167)	\$ (1,217,971)	\$ (1,274,599)	\$ (1,413,429)	\$ (1,407,691)	\$ (1,571,049)	\$ (1,393,745)	\$ (1,282,959)	\$ (1,301,287)	\$ (15,877,506)
1														
2	See pages 2 and 3 for detailed calculation of Residential Customer revenues that reflect changed rates.													
3	See pages 2 and 3 for detailed calculation of Small Commercial Customer revenues that reflect changed rates.													
4	See pages 2 and 3 for detailed calculation of Medium and Large Commercial Customer revenues that reflect changed rates.													
5	See pages 2 and 3 for detailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect changed rates.													
6	See pages 2 and 3 for detailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates.													

Statement BH									
SAN DIEGO GAS AND ELECTRIC COMPANY									
Transmission Revenue Balancing Account (TRBA) Revenue Data To Reflect Present Rates									
For Rate Effective Period - Twelve Months Ending January 1, 2017 through December 31, 2017									
Line No.	Customer Classes	(A) Jan-17 Energy (kWh)	(B) Feb-17 Energy (kWh)	(C) Mar-17 Energy (kWh)	(D) Apr-17 Energy (kWh)	(E) May-17 Energy (kWh)	(F) Jun-17 Energy (kWh)	(F) Reference	Line No.
1	Residential Customers	640,412,732	552,154,007	527,434,720	485,754,118	488,387,300	511,512,717	Worksheet No. 1; Page 1.2; Line 23	1
2		184,101,473	176,720,967	175,968,347	172,750,257	175,916,332	183,630,599	Worksheet No. 1; Page 1.2; Line 24	2
3	Small Commercial	812,562,344	784,660,017	784,619,615	784,152,525	806,511,732	841,842,465	Worksheet No. 1; Page 1.2; Line 25	3
4		4,913,031	5,371,812	5,025,072	6,020,805	6,881,578	8,103,048	Worksheet No. 1; Page 1.2; Line 26	4
5	Medium-Large Commercial	14,458,233	14,766,560	14,430,224	16,202,793	18,986,073	21,208,391	Worksheet No. 1; Page 1.2; Line 27	5
6		7,440,992	7,103,973	7,128,040	6,929,324	6,983,413	7,282,340	Worksheet No. 1; Page 1.2; Line 28	6
7	Agriculture (PA and TOU-PA)	1,663,888,805	1,540,777,336	1,514,606,018	1,471,809,822	1,503,666,428	1,573,579,560	Sum Lines 1 thru 11	7
8									8
9	Agriculture (PA-T-1)								9
10									10
11	Street Lighting								11
12									12
13	TOTAL								13
14									14
15									15
16									16
17									17
18	Residential Customers	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	18
19								FERC Docket No. ER16-550-000	19
20	Small Commercial	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	20
21								FERC Docket No. ER16-550-000	21
22	Medium-Large Commercial	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	22
23								FERC Docket No. ER16-550-000	23
24	Agriculture (PA and TOU-PA)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	24
25								FERC Docket No. ER16-550-000	25
26	Agriculture (PA-T-1)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	26
27								FERC Docket No. ER16-550-000	27
28	Street Lighting	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	28
29								FERC Docket No. ER16-550-000	29
30									30
31		TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates		31
32									32
33	Residential Customers	\$ (518,734)	\$ (447,245)	\$ (427,222)	\$ (393,461)	\$ (395,594)	\$ (414,325)	Line 1 x Line 18	33
34		(149,122)	(143,144)	(142,534)	(139,928)	(142,492)	(148,741)	Line 3 x Line 20	34
35	Small Commercial	(658,175)	(635,575)	(635,542)	(635,164)	(653,275)	(681,892)	Line 5 x Line 22	35
36									36
37	Medium-Large Commercial	(3,980)	(4,351)	(4,070)	(4,877)	(5,574)	(6,563)	Line 7 x Line 24	37
38									38
39	Agriculture (PA and TOU-PA)	(11,711)	(11,961)	(11,688)	(13,124)	(15,379)	(17,179)	Line 9 x Line 26	39
40									40
41	Agriculture (PA-T-1)	(6,027)	(5,754)	(5,774)	(5,613)	(5,657)	(5,899)	Line 11 x Line 28	41
42									42
43	Street Lighting	\$ (1,347,749)	\$ (1,248,030)	\$ (1,226,830)	\$ (1,192,167)	\$ (1,217,971)	\$ (1,274,599)	Sum Lines 33 through 43	43
44									44
45	TOTAL								45

Statement BH												
SAN DIEGO GAS AND ELECTRIC COMPANY												
Transmission Revenue Balancing Account (TRBA) Revenue Data To Reflect Present Rates												
For Rate Effective Period - Twelve Months Ending January 1, 2017 through December 31, 2017												
Line No.	Customer Classes	(G) Jul-17 Energy (kWh)	(H) Aug-17 Energy (kWh)	(I) Sep-17 Energy (kWh)	(J) Oct-17 Energy (kWh)	(K) Nov-17 Energy (kWh)	(L) Dec-17 Energy (kWh)	(M) Total Energy (kWh)	(N) Reference	Line No.		
1	Residential Customers	586,565,001	604,239,704	696,543,692	594,509,850	526,869,900	588,818,383	6,803,202,124	Worksheet No. 1; Page 1.2; Line 23	1		
2										2		
3	Small Commercial	201,085,285	199,938,373	217,206,558	196,522,876	180,134,029	177,291,289	2,241,266,385	Worksheet No. 1; Page 1.2; Line 24	3		
4										4		
5	Medium-Large Commercial	918,162,582	896,265,601	986,165,308	894,531,436	844,938,754	812,095,934	10,166,508,313	Worksheet No. 1; Page 1.2; Line 25	5		
6										6		
7	Agriculture (PA and TOU-PA)	8,997,740	8,712,052	9,250,379	8,042,444	6,990,704	5,729,743	84,038,408	Worksheet No. 1; Page 1.2; Line 26	7		
8										8		
9	Agriculture (PA-T-1)	22,789,140	21,695,791	23,002,075	19,999,966	17,803,692	15,145,487	220,488,425	Worksheet No. 1; Page 1.2; Line 27	9		
10										10		
11	Street Lighting	7,374,060	7,038,088	7,399,204	7,067,191	7,162,762	7,445,109	86,354,496	Worksheet No. 1; Page 1.2; Line 28	11		
12										12		
13	TOTAL	1,744,973,808	1,737,889,609	1,939,567,216	1,720,673,763	1,583,899,841	1,606,525,945	19,601,858,151	Sum Lines 1 thru 11	13		
14										14		
15										15		
16										16		
17										17		
18	Residential Customers	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	18		
19									FERC Docket No. ER16-550-000	19		
20	Small Commercial	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	20		
21									FERC Docket No. ER16-550-000	21		
22	Medium-Large Commercial	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	22		
23									FERC Docket No. ER16-550-000	23		
24	Agriculture (PA and TOU-PA)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	24		
25									FERC Docket No. ER16-550-000	25		
26	Agriculture (PA-T-1)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	26		
27									FERC Docket No. ER16-550-000	27		
28	Street Lighting	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	Statement BL-Retail; Page 1; Line 25	28		
29									FERC Docket No. ER16-550-000	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		31		
32										32		
33	Residential Customers	\$ (475,118)	\$ (489,434)	\$ (564,200)	\$ (481,553)	\$ (426,765)	\$ (476,943)	\$ (5,510,594)	Line 1 x Line 18	33		
34										34		
35	Small Commercial	(162,879)	(161,950)	(175,937)	(159,184)	(145,909)	(143,606)	(1,815,426)	Line 3 x Line 20	35		
36										36		
37	Medium-Large Commercial	(743,712)	(725,975)	(798,794)	(724,570)	(684,400)	(657,798)	(8,234,872)	Line 5 x Line 22	37		
38										38		
39	Agriculture (PA and TOU-PA)	(7,288)	(7,057)	(7,493)	(6,514)	(5,662)	(4,641)	(68,070)	Line 7 x Line 24	39		
40										40		
41	Agriculture (PA-T-1)	(18,459)	(17,574)	(18,632)	(16,200)	(14,421)	(12,268)	(178,596)	Line 9 x Line 26	41		
42										42		
43	Street Lighting	(5,973)	(5,701)	(5,993)	(5,724)	(5,802)	(6,031)	(69,948)	Line 11 x Line 28	43		
44										44		
45	TOTAL	\$ (1,413,429)	\$ (1,407,691)	\$ (1,571,049)	\$ (1,393,745)	\$ (1,282,959)	\$ (1,301,287)	\$ (15,877,506)	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)

ER17-_____-000

Statement BK-1			
San Diego Gas & Electric Company			
2017 - TRBAA Rate Filing			
Total Retail TRBAA Forecast - Including Franchise Fees & Uncollectible Expense			
Line No.	Components	Total Retail - TRBAA	Reference
1	Beginning TRBAA Balance @ 9/30/2016	\$ (24,294,742)	Work paper No. 4; Page 4.4; Line 32
2			
3	Transmission Revenue Credits Forecast:		
4			
5	Wheeling Revenues	(6,933,330)	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	Existing Transmission Contract (ETC) Cost Differentials	(132,156)	Work paper No. 9; Page 9.2; Line 16
10			
11	Other PTO Related Revenue (Credits)/Charges	(1,429,948)	Work paper No. 11; Page 11.2; Line 29
12			
13	Total Transmission Revenue Credits Forecast	\$ (8,483,434)	Sum {Line 5 thru Line 11}
14			
15	Total TRBAA Before Franchise Fees and Uncollectibles	\$ (32,778,176)	Line 1 + Line 13
16			
17	Franchise Fees Expense @ 1.0277%	(336,861)	Line 15 x 1.0277%
18			
19	Uncollectibles @ 0.1740 %	(57,034)	Line 15 x 0.1740%
20			
21	Total Franchise Fees and Uncollectible	(393,895)	Line 17 + Line 19
22			
23	Total Retail TRBAA	\$ (33,172,071)	Line 15 + Line 21

San Diego Gas & Electric Company

Attachment – E (Cont'd)

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

ER17-_____-000

		Statement BK-2			
		San Diego Gas & Electric Company			
		2017 - 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	\$ 443,405,000	\$ 257,267,000	\$ 700,672,000	See Note 1
2					
3	Beginning TRBAA Balance @ 9/30/2016	(22,883,217)	(1,411,525)	(24,294,742)	Work paper No. 2 Page 2.1; Line 15
4					
5	<u>Transmission Revenue Credits Forecast:</u>				
6					
7	Wheeling Revenues	(6,933,330)	-	(6,933,330)	Work paper No. 7; Page 7.2; Line 23
8					
9	Settlements, Metering and Client Relations	7,584	4,416	12,000	Work paper No. 8; Page 8.2; Line 24
10					
11	ETC Cost Differentials	(83,523)	(48,633)	(132,156)	Work paper No. 9; Page 9.2; Line 16
12					
13	Other PTO Related Revenue (Credits)/Charges	(981,303)	(448,645)	(1,429,948)	Work paper No. 11; Page 11.2; Line 29
14					
15	Total Transmission Revenue Credits Forecast	\$ (7,990,572)	\$ (492,862)	\$ (8,483,434)	Sum {Line 7 through Line 13}
16					
17	Total Wholesale TRBAA Before Franchise Fees	\$ (30,873,789)	\$ (1,904,387)	(32,778,176)	Line 3 + Line 15
18					
19	Franchise Fees Expense @ 1.0277%	(317,290)	(19,571)	(336,861)	Line 17 x 1.0277%
20					
21	Total Wholesale TRBAA with Franchise Fees	\$ (31,191,079)	\$ (1,923,958)	\$ (33,115,037)	Line 17 + Line 19
22					
23	Transmission Standby Revenues ²	(7,827,756)	(4,541,724)	(12,369,480)	Work paper No. 3; Page 3.1; Line 7
24					
25	Wholesale Transmission Revenue Requirement	\$ 404,386,165	\$ 250,801,318	\$ 655,187,483	Line 1 + Line 21 + Line 23
¹	Per anticipated Statement BK2-Wholesale Base TRR information from SDG&E's Informational Filing in TO4-Cycle 4 that will be filed with the FERC on December 1, 2016.				
²	Per anticipated Standby Revenue amount of \$12,369,480 from Cost Statement BG; Page 1; Column A; Line 24 that will be filed in the TO4 Cycle 4 on December 1, 2016.				

San Diego Gas & Electric Company

Attachment – E (Cont'd)

F. Statement – BL
Retail TRBAA Rate Calculation

ER17-_____-000

Statement BL			
San Diego Gas & Electric Company			
2017 - TRBAA Rate Filing			
Retail TRBAA Rate Calculation			
Line No.	Components	Total Retail - TRBAA	Reference
1	Beginning TRBAA Balance @ 9/30/2016	\$ (24,294,742)	Work paper No. 4; Page 4.4; Line 32
2			
3	<u>Transmission Revenue Credits Forecast:</u>		
4			
5	Wheeling Revenues	(6,933,330)	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	(132,156)	Work paper No. 9; Page 9.2; Line 16
10			
11	Other PTO Related Revenue (Credits)/Charges	(1,429,948)	Work paper No. 11; Page 11.2; Line 29
12			
13	Total Transmission Revenue Credits Forecast	(8,483,434)	Sum {Line 5 through Line 11}
14			
15	Total TRBAA Before Franchise Fees and Uncollectibles	\$ (32,778,176)	Line 1 + Line 13
16			
17	Franchise Fees Expense @ 1.0277%	(336,861)	Line 15 x 1.0277%
18			
19	Uncollectibles @ 0.1740 %	(57,034)	Line 15 x 0.1740%
20			
21	Total Franchise Fees and Uncollectible	(393,895)	Line 17 + Line 19
22			
23	Total Retail TRBAA	\$ (33,172,071)	Line 15 + Line 21
24			
25	12 Months kWh Ending September 30, 2016	19,523,076,622	Statement BD; Pg. 1 of 4; Col. C; Ln. 15
26			
27	Retail TRBAA Rate (\$/kWh)	\$ (0.00170)	Line 23 / Line 25

San Diego Gas & Electric Company

Attachment – E (Cont'd)

G. Statement – BL Wholesale TRBAA Rate Calculation

ER17-_____-000

Statement BL										
San Diego Gas & Electric Company										
2017 - TRBAA Rate Filing										
2017 - Wholesale Customers Utility Specific Access Charge Rate Calculations										
High Voltage & Low Voltage Component										
Line No.	Components	(A) Total High Voltage TRR	(B) Total Low Voltage TRR	(C) = (A) + (B) Combined TRR	Notes & Reference	Line No.				
1	Wholesale Base Transmission Revenue Requirement ¹	\$ 443,405,000	\$ 257,267,000	\$ 700,672,000	See Note 1	1				
2						2				
3	Total Wholesale TRBAA ²	(31,191,079)	(1,923,958)	(33,115,037)	Statement BK-2; Page 1; Line 21	3				
4						4				
5	Transmission Standby Revenue ³	(7,827,756)	(4,541,724)	(12,369,480)	See Note 3	5				
6						6				
7	Wholesale Transmission Revenue Requirements	\$ 404,386,165	\$ 250,801,318	\$ 655,187,483	Sum (Lines 1, 3, & 5)	7				
8						8				
9	Gross Load - MWh	20,467,098	20,467,098	20,467,098	Statement BD; Page 3 of 4; Line 26; Col. D	9				
10						10				
11	Utility Specific Access Charges (\$/MWh)	\$ 19,7579	\$ 12,2539	\$ 32,0117	Line 7 / Line 9	11				
NOTES:										
1	Per anticipated Statement BK2-Wholesale Base TRR information from SDG&E's Informational Filing in TO4-Cycle 4 that will be filed with the FERC on December 1, 2016.									
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 \$12,369,480 from Cost Statement BG; Page 1; Column A; Line 24 that will be filed in the TO4 Cycle 4 on December 1, 2016.									

San Diego Gas & Electric Company

Attachment – E (Cont'd)

H. TRBAA Work Papers

ER17-_____-000

Work Paper - 1
12-Month Recorded Sales Ending 9/30/2016
& 12-Month Forecast Sales from
1/1/2017 thru 12/31/2017

San Diego Gas & Electric Co. Recorded Billing Determinants for the 12-Month Period: October 2015 - September 2016													
Line No.	System Delivery Determinants												
	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Total
1	Customer Class Deliveries (MWh)												
2	Residential	721,103	585,654	581,904	664,377	543,082	483,029	468,679	461,031	493,972	697,278	599,837	6,925,379
3	Small Commercial	179,856	158,276	146,961	148,880	166,698	141,217	163,113	174,109	163,158	227,734	207,961	2,005,127
4	Med. & Large Comm./Ind.	1,010,557	923,305	872,680	747,841	649,818	993,226	792,514	719,218	707,139	1,014,533	980,710	10,186,803
5	Agriculture (PA)	8,554	8,219	7,313	4,818	5,690	6,216	7,401	6,265	10,126	10,846	9,813	94,267
6	Agriculture (PA-T-1)	25,995	12,178	18,425	17,772	14,986	15,077	21,080	16,796	15,329	28,272	27,558	228,699
7	Lighting	5,164	7,809	9,966	5,134	6,639	7,022	7,151	6,664	7,223	5,167	7,192	82,800
8	Sale for Resale	0.5	0.6	3.7	6.0	6.2	6.0	9.2	10.4	9.8	4.6	8.6	76
9	Total System	1,951,229	1,695,442	1,637,252	1,588,826	1,347,386	1,671,274	1,437,258	1,373,674	1,475,479	1,983,834	1,858,676	19,523,153
10	Total System - EXCLUDING Sale for Resale												
11		1,951,229	1,695,441	1,637,249	1,588,820	1,347,380	1,671,268	1,437,249	1,373,663	1,475,469	1,983,829	1,858,668	19,523,077
12	INPUT FROM RECORDED DETERMINANTS:												
13	Medium & Large Details - Deliveries in MWh:												
14	Med & Large C/I (AD)	3,664	3,236	2,836	2,818	2,500	2,995	2,695	2,560	2,715	3,385	3,706	35,939
15	Med & Large C/I (AL+AY+DGR)	925,757	850,829	805,161	698,326	604,202	876,701	718,289	649,516	708,264	960,674	914,543	9,357,317
16	Med & Large C/I (A6)	81,135	69,240	64,683	46,697	43,116	113,529	71,530	67,142	64,283	50,474	62,462	793,547
17	Total	1,010,557	923,305	872,680	747,841	649,818	993,226	792,514	719,218	775,262	1,014,533	980,710	10,186,803
18													
19													
20													
San Diego Gas & Electric													
Recorded Billing Determinants for the 12-Month Period: October 2015 - September 2016													
Line No.	System Delivery Determinants												
	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Total
21	Customer Class Deliveries (kWh)												
22	Residential	721,102,994	585,653,853	581,904,317	664,376,743	543,082,395	483,028,859	468,678,753	461,031,166	493,971,979	697,278,056	599,836,777	6,925,379,136
23	Small Commercial	179,856,350	158,275,833	146,960,896	148,879,527	127,164,547	166,698,110	141,217,454	163,112,520	174,109,414	227,733,551	207,961,309	2,005,127,096
24	Med. & Large Comm./Ind.	1,010,556,624	923,305,048	872,679,609	747,841,029	649,817,813	993,225,866	792,514,297	719,217,827	775,262,101	1,014,533,341	980,710,494	10,186,803,354
25	Agriculture (PA)	8,554,037	8,219,097	7,312,575	4,817,571	5,690,443	6,216,244	7,400,513	6,665,392	10,125,605	10,845,610	9,813,280	94,267,273
26	Agriculture (PA-T-1)	25,994,810	12,178,160	18,424,971	17,771,793	14,985,880	15,076,911	21,080,329	15,231,588	16,796,304	28,271,694	27,557,858	228,699,476
27	Lighting	5,164,003	7,809,458	9,966,225	5,133,751	6,639,143	7,021,629	7,151,148	6,663,933	7,223,190	5,166,675	7,191,611	82,800,287
28	Sale for Resale	525	565	3,676	5,993	6,231	5,954	9,212	10,406	9,837	4,609	8,635	75,953
29	Total System	1,951,229,343	1,695,442,014	1,637,252,269	1,588,826,407	1,347,386,452	1,671,273,573	1,437,258,099	1,373,673,541	1,475,478,960	1,983,833,536	1,858,676,431	19,523,152,575
30	Total System - EXCLUDING Sale for Resale												
31		1,951,228,818	1,695,441,449	1,637,248,593	1,588,820,414	1,347,380,221	1,671,267,619	1,437,248,887	1,373,663,135	1,475,469,123	1,983,828,927	1,858,667,796	19,523,076,622
32													
33													
34	INPUT FROM RECORDED DETERMINANTS:												
35	Medium & Large Details - Deliveries in kWh:												
36	Med & Large C/I (AD)	3,663,858	3,235,947	2,835,982	2,818,323	2,499,849	2,995,481	2,694,897	2,560,035	2,714,533	3,384,925	3,705,642	35,939,132
37	Med & Large C/I (AL+AY+DGR)	925,757,732	850,828,748	805,160,671	698,325,779	604,202,341	876,701,174	718,289,117	649,516,258	708,264,082	960,674,487	914,542,534	9,357,317,354
38	Med & Large C/I (A6)	81,135,034	69,240,353	64,682,956	46,696,927	43,115,623	113,529,211	71,530,283	67,141,534	64,283,486	50,473,929	62,462,318	793,546,868
39	Total	1,010,556,624	923,305,048	872,679,609	747,841,029	649,817,813	993,225,866	792,514,297	719,217,827	775,262,101	1,014,533,341	980,710,494	10,186,803,354
40													

Work Paper - 2

Allocation of TRBAA Balance @ 9/30/2016
Between HV and LV Facilities
Based on Transmission Revenue Credits
Forecast

San Diego Gas & Electric Company									
2017 - TRBAA Rate Filing									
Allocation Of Beginning TRBAA Balance Based on Forecast Balances									
Line No.	Components	(A)		(B) High Voltage TRBAA	(C) Low Voltage TRBAA	(D)		Reference	Line No.
		Beginning TRBAA Balance				Total			
1	TRBAA Balance @ 9/30/2016	\$ (24,294,742)						Work paper No. 4; Page 4.4; Line 32	1
2									2
3	Forecast - Wheeling Revenues		\$	(6,933,330)	\$ -	\$ (6,933,330)		Work paper No. 7; Page 7.2; Line 23	3
4									4
5	Forecast - Settlements, Metering and Client Relations			7,584	4,416	12,000		Work paper No. 8; Page 8.2; Line 24	5
6									6
7	Forecast - ETC Cost Differentials			(83,523)	(48,633)	(132,156)		Work paper No. 9; Page 9.2; Line 16	7
8									8
9	Forecast - Other PTO Related Revenue (Credits)/Charges			(981,303)	(448,645)	(1,429,948)		Work paper No. 11; Page 11.2; Line 29	9
10									10
11	Forecast 2017 - Net Transmission Revenue Credits		\$	(7,990,572)	\$ (492,862)	\$ (8,483,434)		Sum Lines 3 through 9	11
12									12
13	Allocation Factors Based on Revenue Credit Forecast			94.19%	5.81%	100.00%		Ratios Per Line 11	13
14									14
15	Allocation of Beginning TRBAA Balance ¹		\$	(22,883,217)	\$ (1,411,525)	\$ (24,294,742)		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									
2017 - TRBAA Rate Filing									
Standby Revenues									
Line No.	Components	(1)	(2)	(3) = (1) + (2)		Reference	Line No.		
		High Voltage	Low Voltage	Combined TRR					
1	TO4-Cycle 4 Informational Filing-Wholesale Base TRR ¹	\$ 443,405,000	\$ 257,267,000	\$ 700,672,000		See Note 1	1		
2							2		
3	HV-LV Allocation Factors	63.28282%	36.71718%	100.00%		Ratios Based on Line 1	3		
4							4		
5	Standby Revenue Credits	\$ (7,827,756)	\$ (4,541,724)	\$ (12,369,480)		Line 3 Ratios x (Col. 3; Line 9)	5		
6							6		
7	Total HV-LV Standby Revenue Credits	\$ (7,827,756)	\$ (4,541,724)	\$ (12,369,480)		Sum of Line 5	7		
8							8		
9	Total Standby Revenues ²			\$ (12,369,480)		See Note 2	9		
1	Per anticipated Statement BK2-Wholesale Base TRR information from SDG&E's Informational Filing in TO4-Cycle 4 that will be filed with the FERC on December 1, 2016.								
2	Per anticipated Standby Revenue amount of \$12,369,480 from Cost Statement BG; Page 1; Column A; Line 24 that will be filed in the TO4 Cycle 4 on December 1, 2016.								

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, 2016
2017 Annual TRBAA Rate Filing

Line No.	Description	October 2015	November 2015	December 2015	January 2016
1	Beginning Balance (Overcollection)/Undercollection	\$ (2,464,403)	\$ (7,726,771)	\$ (7,175,368)	\$ (6,480,127)
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,951,228,818	1,695,441,449	1,637,248,593	1,588,820,414
5	TRBAA Rate	\$ (0.00060)	\$ (0.00060)	\$ (0.00060)	\$ (0.00071)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (1,170,737)	\$ (1,017,265)	\$ (982,349)	\$ (1,120,118)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(13,939)	(12,112)	(11,696)	(13,337)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (1,156,798)	\$ (1,005,153)	\$ (970,653)	\$ (1,106,781)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(777,947)	(535,352)	(251,465)	(372,642)
12	CT 4575 - Settlements, Metering, Client Relations ²	1,000	1,000	1,000	1,000
13	ETC Cost Differentials ³	(143,039)	98,446	(6,880)	(86,385)
14	Other PTO Related Revenue (Credits)/Charges ⁴	(5,484,932)	2,209	929	(12,516)
15	Sub-Total Monthly PTO Related Activity	\$ (6,404,918)	\$ (433,698)	\$ (256,417)	\$ (470,543)
16					
17	Cal PX TO Revenue Settlement ⁵	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (6,404,918)	\$ (433,698)	\$ (256,417)	\$ (470,543)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ (5,248,120)	\$ 571,455	\$ 714,236	\$ 636,238
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ (2,464,403)	\$ (2,464,403)	\$ (2,464,403)	\$ (6,480,127)
25	Monthly Activity Included in Interest Calculation Basis	(2,624,060)	(4,962,393)	(4,319,547)	318,119
26	Basis for Interest Expense Calculation	(5,088,463)	(7,426,796)	(6,783,950)	(6,162,008)
27	Monthly Interest Rate	0.28000%	0.27000%	0.28000%	0.28000%
28	Interest Expense	\$ (14,248)	\$ (20,052)	\$ (18,995)	\$ (17,254)
29					
30	Other Adjustment				
31					
32	Ending Balance (Overcollection)/Undercollection	\$ (7,726,771)	\$ (7,175,368)	\$ (6,480,127)	\$ (5,861,143)
33					
34					
35					
36	Franchise Fees & Uncollectible Adjustment:				
37	Franchise Fees Expense Rate	1.0310%	1.0310%	1.0310%	1.0310%
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%	1.2050%
40	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (1,170,737)	\$ (1,017,265)	\$ (982,349)	\$ (1,120,118)
41	Uncollectibles Included on Line 7 Above:				
42	Total Refunds/Collections Including Franchise & Uncollectible Expense	\$ (1,170,737)	\$ (1,017,265)	\$ (982,349)	\$ (1,120,118)
43	Adjustment Factor to Convert Line 38 Above Before FF&U	1.012050	1.012050	1.012050	1.012050
44	Total Refunds/Collections Before FF&U	\$ (1,156,798)	\$ (1,005,153)	\$ (970,653)	\$ (1,106,781)
45	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2050%
46	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (13,939)	\$ (12,112)	\$ (11,696)	\$ (13,337)
47	Difference	\$ -	\$ -	\$ -	\$ -

San Diego Gas Electric Co.
TRBAA Monthly Activities Applicable to BK1 and BK2
For the 12-Month Period Ending September 30, 2016
2017 Annual TRBAA Rate Filing

Line No.	Description	February 2016	March 2016	April 2016	May 2016
1	Beginning Balance (Overcollection)/Undercollection	\$ (5,861,143)	\$ (5,160,032)	\$ (4,084,090)	\$ (2,971,072)
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,347,380,221	1,671,267,619	1,437,248,887	1,373,663,135
5	TRBAA Rate	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (1,091,378)	\$ (1,353,727)	\$ (1,164,172)	\$ (1,112,667)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(12,995)	(16,118)	(13,861)	(13,248)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (1,078,383)	\$ (1,337,609)	\$ (1,150,311)	\$ (1,099,419)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(340,135)	(276,901)	(176,534)	(332,246)
12	CT 4575 - Settlements, Metering, Client Relations ²	1,000	1,000	1,000	1,000
13	ETC Cost Differentials ³	(27,159)	56,011	163,253	(59,842)
14	Other PTO Related Revenue (Credits)/Charges ⁴	3,285	(28,941)	(15,150)	(6,484)
15	Sub-Total Monthly PTO Related Activity	\$ (363,008)	\$ (248,831)	\$ (27,431)	\$ (397,572)
16					
17	Cal PX TO Revenue Settlement ⁵	-	-	-	-
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ -
19	Total	\$ (363,008)	\$ (248,831)	\$ (27,431)	\$ (397,572)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 715,375	\$ 1,088,778	\$ 1,122,880	\$ 701,847
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ (6,480,127)	\$ (6,480,127)	\$ (4,084,090)	\$ (4,084,090)
25	Monthly Activity Included in Interest Calculation Basis	993,925	1,896,001	561,440	1,473,804
26	Basis for Interest Expense Calculation	(5,486,202)	(4,584,126)	(3,522,650)	(2,610,286)
27	Monthly Interest Rate	0.26000%	0.28000%	0.28000%	0.29000%
28	Interest Expense	\$ (14,264)	\$ (12,836)	\$ (9,863)	\$ (7,570)
29					
30	Other Adjustment				
31					
32	Ending Balance (Overcollection)/Undercollection	\$ (5,160,032)	\$ (4,084,090)	\$ (2,971,072)	\$ (2,276,796)
33					
34					
35					
36	Franchise Fees & Uncollectible Adjustment:				
37	Franchise Fees Expense Rate	1.0310%	1.0310%	1.0310%	1.0310%
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%	1.2050%
40	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (1,091,378)	\$ (1,353,727)	\$ (1,164,172)	\$ (1,112,667)
41	Uncollectibles Included on Line 7 Above:				
42	Total Refunds/Collections Including Franchise & Uncollectible Expense	\$ (1,091,378)	\$ (1,353,727)	\$ (1,164,172)	\$ (1,112,667)
43	Adjustment Factor to Convert Line 38 Above Before FF&U	1.012050	1.012050	1.012050	1.012050
44	Total Refunds/Collections Before FF&U	\$ (1,078,383)	\$ (1,337,609)	\$ (1,150,311)	\$ (1,099,419)
45	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2050%
46	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (12,995)	\$ (16,118)	\$ (13,861)	\$ (13,248)
47	Difference	\$ -	\$ -	\$ -	\$ -

San Diego Gas Electric Co.
TRBAA Monthly Activities Applicable to BK1 and BK2
For the 12-Month Period Ending September 30, 2016
2017 Annual TRBAA Rate Filing

Line No.	Description	June 2016	July 2016	August 2016	September 2016
1	Beginning Balance (Overcollection)/Undercollection	\$ (2,276,796)	\$ (1,797,905)	\$ (1,604,205)	\$ (1,010,848)
2					
3	TRBAA Refund				
4	Kwh (Excluding Sales for Resale).	1,475,469,123	1,502,811,640	1,983,828,927	1,858,667,796
5	TRBAA Rate	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (1,195,130)	\$ (1,217,277)	\$ (1,606,901)	\$ (1,505,521)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(14,230)	(14,494)	(19,133)	(17,926)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (1,180,900)	\$ (1,202,783)	\$ (1,587,768)	\$ (1,487,595)
9					
10	PTO Related - ISO Charge Types:				
11	CT 384/ CT 382 - HV Wheeling Revenues Due TO/Due ISO (Net)	(545,788)	(1,081,377)	(1,181,758)	(1,061,186)
12	CT 4575 - Settlements, Metering, Client Relations ²	1,000	1,000	1,000	1,000
13	ETC Cost Differentials ³	(159,309)	78,693	(6,946)	(38,999)
14	Other PTO Related Revenue (Credits)/Charges ⁴	7,736	(2,303)	197,194	(1,574,809)
15	Sub-Total Monthly PTO Related Activity	\$ (696,361)	\$ (1,003,987)	\$ (990,510)	\$ (2,673,994)
16					
17	Cal PX TO Revenue Settlement ⁵	-	-	-	(22,060,881)
18	Sub-Total Adjustment	\$ -	\$ -	\$ -	\$ (22,060,881)
19	Total	\$ (696,361)	\$ (1,003,987)	\$ (990,510)	\$ (24,734,875)
20					
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ 484,539	\$ 198,796	\$ 597,258	\$ (23,247,280)
22					
23	Interest Expense Calculations:				
24	Beginning Balance for Interest Calculation	\$ (4,084,090)	\$ (1,797,905)	\$ (1,797,905)	\$ (1,797,905)
25	Monthly Activity Included in Interest Calculation Basis	2,066,997	99,398	497,426	(10,827,585)
26	Basis for Interest Expense Calculation	(2,017,093)	(1,698,507)	(1,300,479)	(12,625,490)
27	Monthly Interest Rate	0.28000%	0.30000%	0.30000%	0.29000%
28	Interest Expense	\$ (5,648)	\$ (5,096)	\$ (3,901)	\$ (36,614)
29					
30	Other Adjustment				
31					
32	Ending Balance (Overcollection)/Undercollection	\$ (1,797,905)	\$ (1,604,205)	\$ (1,010,848)	\$ (24,294,742)
33					
34					
35					
36	Franchise Fees & Uncollectible Adjustment:				
37	Franchise Fees Expense Rate	1.0310%	1.0310%	1.0310%	1.0310%
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%	1.2050%
40	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (1,195,130)	\$ (1,217,277)	\$ (1,606,901)	\$ (1,505,521)
41	Uncollectibles Included on Line 7 Above:				
42	Total Refunds/Collections Including Franchise & Uncollectible Expense	\$ (1,195,130)	\$ (1,217,277)	\$ (1,606,901)	\$ (1,505,521)
43	Adjustment Factor to Convert Line 38 Above Before FF&U	1.012050	1.012050	1.012050	1.012050
44	Total Refunds/Collections Before FF&U	\$ (1,180,900)	\$ (1,202,783)	\$ (1,587,768)	\$ (1,487,595)
45	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2050%
46	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (14,230)	\$ (14,494)	\$ (19,133)	\$ (17,926)
47	Difference	\$ -	\$ -	\$ -	\$ -

San Diego Gas Electric Co.
TRBAA Monthly Activities Applicable to BK1 and BK2
For the 12-Month Period Ending September 30, 2016
2017 Annual TRBAA Rate Filing

Line No.	Description	Total	Reference	Line No.
1	Beginning Balance (Overcollection)/Undercollection	\$ (2,464,403)	Previous Month's Balance	1
2				2
3	TRBAA Refund			3
4	Kwh (Excluding Sales for Resale).	19,523,076,622	Work Paper No. 1; Page 1.1; Line 32	4
5	TRBAA Rate		TRBAA Rates - ER16-550-000	5
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$ (14,537,242)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(173,089)	See Line 46 Below	7
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$ (14,364,153)	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)	(6,933,330)	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	(132,156)	Work Paper No. 5; Page 5.1-5.2; Line 10	13
14	Other PTO Related Revenue (Credits)/Charges ⁴	(6,913,784)	Work Paper No. 5; Page 5.1-5.2; Line 13	14
15	Sub-Total Monthly PTO Related Activity	\$ (13,967,270)	Sum Lines 11 thru 14	15
16				16
17	Cal PX TO Revenue Settlement ⁵	(22,060,881)	Cal PX TO Revenue Settlement	17
18	Sub-Total Adjustment	\$ (22,060,881)	Sum Line 17	18
19	Total	\$ (36,028,151)	Sum Lines 15; 18	19
20				20
21	Net Monthly Activity (Net Refunds, Revenues, Expenses, & Adjustments)	\$ (21,663,998)	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	\$ (166,341)	Line 26 x Line 27	28
29				29
30	Other Adjustment	-		30
31				31
32	Ending Balance (Overcollection)/Undercollection	\$ (24,294,742)	Line 1 + Line 21 + Line 28 + Line 30	32
33				33
34				34
35				35
36	<u>Franchise Fees & Uncollectible Adjustment:</u>			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	\$ (173,089)	Line 44 x Line 45	46
47	Difference	\$ -		47

San Diego Gas & Electric Co.
2017 TRBAA Rate Filing
Monthly TRBAA Details for Period Ending September 30, 2016

Line No.	Line No.
	<i>FOOTNOTES to Monthly TRBAA Balance:</i>
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 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.
3	³ Existing Transmission Contract (ETC) Cost Differentials related to APS-IID pertains to SDG&E as the Scheduling Coordinator for Arizona Public Service - Imperial Irrigation District ("APS-IID") (See Work Paper No. 5; Pages 5.1 - 5.2; Line 10).
4	⁴ 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.
5	⁵ As a result of a FERC Order issued June 27, 2016 in EL00-98-262 and EL00-95-290 and a subsequent Order by the Cal PX Bankruptcy Court on August 25, 2016, SDG&E received \$22,192,006.81 on September 16, 2016. This amount settled all claims SDG&E as a Transmission Owner (TO) had against the Cal PX during the years of 2000 and 2001, the "Cal PX TO Settlement". \$22,060,880.81 is being recorded to the Transmission Revenue Balancing Account (TRBA), with the remaining amount of \$131,126.00 being recorded to the Litigation Cost Memorandum Account.

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
2017 TRBAA Rate Filing
CAISO Charge Types Oct. 2015 - Sep. 2016

Line No.	Description	October 2015	November 2015	December 2015	January 2016	February 2016	March 2016	April 2016	May 2016
1	High Voltage Wheeling Revenues:								
2	CT 384 - HV Wheeling Revenues Due TO	\$ (664,201)	\$ (535,352)	\$ (251,641)	\$ (372,641)	\$ (367,429)	\$ (294,291)	\$ (176,520)	\$ (332,054)
3	CT 382 - HV Wheeling Charge Due ISO ^a	(113,746)	-	176	(1)	27,294	17,390	(14)	(191)
4	Net	\$ (777,947)	\$ (535,352)	\$ (251,465)	\$ (372,642)	\$ (340,135)	\$ (276,901)	\$ (176,534)	\$ (332,246)
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	\$ (143,039)	\$ 98,446	\$ (6,880)	\$ (86,385)	\$ (27,159)	\$ 56,011	\$ 163,253	\$ (59,842)
11									
12									
13	Other PTO Related Revenue (Credits)/Charges	\$ (5,484,932)	\$ 2,209	\$ 929	\$ (12,516)	\$ 3,285	\$ (28,941)	\$ (15,150)	\$ (6,484)
14									

San Diego Gas & Electric Company
2017 TRBAA Rate Filing
CAISO Charge Types Oct. 2015 - Sep. 2016

Line No.	Description	June 2016	July 2016	August 2016	September 2016	Total	Reference	Line No.
1	High Voltage Wheeling Revenues:							1
2	CT 384 - HV Wheeling Revenues Due TO	\$ (545,609)	\$ (1,081,388)	\$ (1,186,253)	\$ (1,061,186)	\$ (6,868,567)	ISO Charge Type 384	2
3	CT 382 - HV Wheeling Charge Due ISO ^a	(179)	11	4,496	(0)	(64,763)	ISO Charge Type 382	3
4	Net	\$ (545,788)	\$ (1,081,377)	\$ (1,181,758)	\$ (1,061,186)	\$ (6,933,330)		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	\$ (159,309)	\$ 78,693	\$ (6,946)	\$ (38,999)	\$ (132,156)	Work Paper 10; Pages 10.1 - 10.2; Line 39	10
11								11
12								12
13	Other PTO Related Revenue (Credits)/Charges	\$ 7,736	\$ (2,303)	\$ 197,194	\$ (1,574,809)	\$ (6,913,784)	Work Paper 12; Pages 12.1 - 12.2; Line 9	13
14								14

**San Diego Gas & Electric Company
Details of ETC Cost Differentials**

Footnote

Line No.	Line No.
	<i>FOOTNOTE to Monthly ETC Cost Differentials Details:</i>
1	<p>^a During the trade months of December 2014 and July 2015, SDG&E was charged approximately \$113 thousand in Charge Code 382 - High Voltage Wheeling Allocation due to inadvertent modelling errors introduced by the CAISO in its Full Network Model. SDG&E submitted a dispute, and the CAISO concurred with the disputes and reversed the related charges to Charge Code 382 in October 2015. For the same trade months, when the 382 amount is reversed, there is a corresponding reversal in SDG&E's PTO's Charge Code 384 Wheeling Revenue, which is also recorded in the TRBA.</p>
	1

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
2017 - TRBAA Rate Filing

Line No.	Notes	Column (A)	Column (B)	Column (C)	Column (D)	Line No.
Forecast Month		Wheeling Revenues ^a	Client Relations Fee CT 4575 ^b	ETC Cost Differentials ^c	Other PTO Related Revenue (Credits)/Charges ^d	
1	Jan-17	\$ (577,778)	\$ 1,000	(11,013)	(119,162)	1
2	Feb-17	(577,778)	1,000	(11,013)	(119,162)	2
3	Mar-17	(577,778)	1,000	(11,013)	(119,162)	3
4	Apr-17	(577,778)	1,000	(11,013)	(119,162)	4
5	May-17	(577,778)	1,000	(11,013)	(119,162)	5
6	Jun-17	(577,778)	1,000	(11,013)	(119,162)	6
7	Jul-17	(577,778)	1,000	(11,013)	(119,162)	7
8	Aug-17	(577,778)	1,000	(11,013)	(119,162)	8
9	Sep-17	(577,778)	1,000	(11,013)	(119,162)	9
10	Oct-17	(577,778)	1,000	(11,013)	(119,162)	10
11	Nov-17	(577,778)	1,000	(11,013)	(119,162)	11
12	Dec-17	(577,778)	1,000	(11,013)	(119,162)	12
13	Totals	\$ (6,933,330)	\$ 12,000	(132,156)	(1,429,948)	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
2017 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-15	\$ (777,947)	Jan-17	\$ (577,778)	1		
2	Nov-15	(535,352)	Feb-17	(577,778)	2		
3	Dec-15	(251,465)	Mar-17	(577,778)	3		
4	Jan-16	(372,642)	Apr-17	(577,778)	4		
5	Feb-16	(340,135)	May-17	(577,778)	5		
6	Mar-16	(276,901)	Jun-17	(577,778)	6		
7	Apr-16	(176,534)	Jul-17	(577,778)	7		
8	May-16	(332,246)	Aug-17	(577,778)	8		
9	Jun-16	(545,788)	Sep-17	(577,778)	9		
10	Jul-16	(1,081,377)	Oct-17	(577,778)	10		
11	Aug-16	(1,181,758)	Nov-17	(577,778)	11		
12	Sep-16	(1,061,186)	Dec-17	(577,778)	12		
13	Total - RECORDED	\$ (6,933,330)		\$ (6,933,330)	13		
14	Monthly Average	\$ (577,778)			14		
^a	See Work paper No. 5; Pages 5.1 and 5.2; Line 4						

San Diego Gas & Electric Company
2017 - TRBAA Rate Filing
Wheeling Revenues Forecast Allocated Between High Voltage and Low Voltage Facilities

Line No.						Reference	Line No.
1	Forecast of Wheeling Revenues:						
2							
3	The forecast of wheeling revenues is based on the 12-month recorded HV wheeling revenues ending 9/30/2016				\$ (6,933,330)	Work paper No.7; Page 7.3, Line 25	
4							
5	HV-LV Wheeling Revenues Allocation Factors:						
6		(a)	(b)	(c) = (a) + (b)			
7	A. Development of Allocation Factors:						
8		High Voltage	Low Voltage	Total			
9	TO4 Cycle 4 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 3,088,580	\$ 1,626,458	\$ 4,715,038		Per anticipated Vol.1;Stmnt BK2; Page 2; Line 14 that will be filed in the TO4-Cycle 4 Informational Filing on December 1, 2016	
10							
11	TO4 Cycle 4 - Weighted Forecast Plant Additions; Dollars in (\$000)	\$ 257,861	\$ 321,912	\$ 579,773		Per anticipated Vol.1;Stmnt BK2; Page 2; Line 19 that will be filed in the TO4-Cycle 4 Informational Filing on December 1, 2016	
12							
13	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 3,346,441	\$ 1,948,370	\$ 5,294,811		Sum Lines 9 and 11	
14							
15	High Voltage - Low Voltage Ratios Based on Gross Plant; Per Line 13	63.20%	36.80%	100.00%		Allocation Ratios Based on Line 13	
16							
17	B. Allocation of High Voltage Wheeling Revenues:						
18							
19	Total High Voltage Wheeling Revenues			\$ (6,933,330)		Work paper No.7; Page 7.3, Line 25	
20							
21	HV - Allocation Ratio is NOT Based on Plant as shown on Line 15 ¹	100.00%		100.00%		See Footnote 1 Below	
22							
23	C. Total HV-LV Wheeling Revenues:						
24		\$ (6,933,330)		\$ (6,933,330)		Line 19 x Line 21	
1	Wheeling Revenues are assigned 100% to High Voltage facilities						

San Diego Gas & Electric Company					
2017 - 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-15	\$ (777,947)	\$ -	\$ (777,947)	Work paper No. 5; Page 5.1 and 5.2; Line 4
2					
3	Nov-15	(535,352)	-	(535,352)	Work paper No. 5; Page 5.1 and 5.2; Line 4
4					
5	Dec-15	(251,465)	-	(251,465)	Work paper No. 5; Page 5.1 and 5.2; Line 4
6					
7	Jan-16	(372,642)	-	(372,642)	Work paper No. 5; Page 5.1 and 5.2; Line 4
8					
9	Feb-16	(340,135)	-	(340,135)	Work paper No. 5; Page 5.1 and 5.2; Line 4
10					
11	Mar-16	(276,901)	-	(276,901)	Work paper No. 5; Page 5.1 and 5.2; Line 4
12					
13	Apr-16	(176,534)	-	(176,534)	Work paper No. 5; Page 5.1 and 5.2; Line 4
14					
15	May-16	(332,246)	-	(332,246)	Work paper No. 5; Page 5.1 and 5.2; Line 4
16					
17	Jun-16	(545,788)	-	(545,788)	Work paper No. 5; Page 5.1 and 5.2; Line 4
18					
19	Jul-16	(1,081,377)	-	(1,081,377)	Work paper No. 5; Page 5.1 and 5.2; Line 4
20					
21	Aug-16	(1,181,758)	-	(1,181,758)	Work paper No. 5; Page 5.1 and 5.2; Line 4
22					
23	Sep-16	(1,061,186)	-	(1,061,186)	Work paper No. 5; Page 5.1 and 5.2; Line 4
24					
25	Total	\$ (6,933,330)	\$ -	\$ (6,933,330)	Sum Lines 1 - 23
26					
27	Total Months	12			12-Months Per Year
28					
29	Average Per Month	\$ (577,778)			Line 25/Line 27
30					
31	FORECAST Per Month	\$ (577,778)			See Line 29
32					
33	Note 1: Forecast of Wheeling Revenues				
34	Wheeling revenues forecast - average of 12-month recorded HV wheeling revenues @ 9/30/2016				
				\$ (6,933,330)	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
2017 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) TRBAA Forecast		Line No.
				Settlements, Metering Client Relations Charge Code - 4575 -	Cash Month ^b	
1	Oct-15	\$ 1,000	Jan-17	\$ 1,000	1	
2	Nov-15	1,000	Feb-17	1,000	2	
3	Dec-15	1,000	Mar-17	1,000	3	
4	Jan-16	1,000	Apr-17	1,000	4	
5	Feb-16	1,000	May-17	1,000	5	
6	Mar-16	1,000	Jun-17	1,000	6	
7	Apr-16	1,000	Jul-17	1,000	7	
8	May-16	1,000	Aug-17	1,000	8	
9	Jun-16	1,000	Sep-17	1,000	9	
10	Jul-16	1,000	Oct-17	1,000	10	
11	Aug-16	1,000	Nov-17	1,000	11	
12	Sep-16	1,000	Dec-17	1,000	12	
13	Total	\$ 12,000		\$ 12,000	13	
14					14	
15	Total Months				15	
16					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									
2017 - 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									
3	The forecast of Settlements, Metering and Client Relations Expense is Based on Recorded CC4575 Twelve Month Period Ending 9/30/2016					\$	12,000		Work paper No. 8; Page 8.1, Line 13
4	Adjusted for Known and Measurable Changes.								
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 4 - Recorded Gross Plant Balances; Dollars in (\$000)	\$	3,088,580	\$	1,626,458	\$	4,715,038		Per anticipated Vol.1;Stmnt BK2; Page 2; Line 14 that will be filed in the TO4-Cycle 4 Informational Filing on December 1, 2016
11									
12	TO4 Cycle 4 - Weighted Forecast Plant Additions; Dollars in (\$000)		257,861		321,912		579,773		Per anticipated Vol.1;Stmnt BK2; Page 2; Line 19 that will be filed in the TO4-Cycle 4 Informational Filing on December 1, 2016
13									
14	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$	3,346,441	\$	1,948,370	\$	5,294,811		Sum Lines 10 and 12
15									
16	High Voltage - Low Voltage Allocation Ratios Based on Gross Plant; Per Line 14		63.20%		36.80%		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		63.20%		36.80%		100.00%		See Line 16 Above
23									
24	C. Total Settlements, Metering, & Client Relations:	\$	7,584	\$	4,416	\$	12,000		Line 20 x Line 22
25									

Work Paper - 9

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

San Diego Gas & Electric Company
2017 TRBAA Rate Filing
Derivation of ETC Cost Differentials Forecast

Line No.	(A) Actual Recorded Month	(B) TRBAA Recorded Existing Transmission Contracts ("ETC") Cost Differentials ^a	(C) Forecast Month	(D)		Line No.
				TRBAA Forecast Existing Transmission Contracts ("ETC") Cost Differentials ^b		
1	Oct-15	\$ (143,039)	Jan-17	\$	(11,013)	1
2	Nov-15	98,446	Feb-17		(11,013)	2
3	Dec-15	(6,880)	Mar-17		(11,013)	3
4	Jan-16	(86,385)	Apr-17		(11,013)	4
5	Feb-16	(27,159)	May-17		(11,013)	5
6	Mar-16	56,011	Jun-17		(11,013)	6
7	Apr-16	163,253	Jul-17		(11,013)	7
8	May-16	(59,842)	Aug-17		(11,013)	8
9	Jun-16	(159,309)	Sep-17		(11,013)	9
10	Jul-16	78,693	Oct-17		(11,013)	10
11	Aug-16	(6,946)	Nov-17		(11,013)	11
12	Sep-16	(38,999)	Dec-17		(11,013)	12
13	Total	\$ (132,156)		\$	(132,156)	13
14						14
15	Total Months	12				15
16						16
17	Average Per Month	\$ (11,013)				17
18						18
19	FORECAST Per Month	\$ (11,013)				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
2017 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			\$ (132,156)	Workpaper 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 4 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 3,088,580	\$ 1,626,458	\$ 4,715,038	Per anticipated Vol.1; Stmt BK2; Page 2; Line 14 that will be filed in the TO4-Cycle 4 Informational Filing on December 1, 2016	8
9						9
10	TO4 Cycle 4 - Weighted Forecast Plant Additions; Dollars in (\$000)	257,861	321,912	579,773	Per anticipated Vol.1; Stmt BK2; Page 2; Line 19 that will be filed in the TO4-Cycle 4 Informational Filing on December 1, 2016	10
11						11
12	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 3,346,441	\$ 1,948,370	\$ 5,294,811	Sum Lines 8 and 10	12
13						13
14	HV-LV Allocation Ratios Based on Gross Plant; Per Line 12	63.20%	36.80%	100.00%	Allocation Ratios Based on Line 12	14
15						15
16	B. Total ETC Cost Differentials Allocated Per Line 12 Allocators:	\$ (83,523)	\$ (48,633)	\$ (132,156)	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
2017 TRBAA Rate Filing
Details of Monthly ETC Cost Differentials**

Line Charge Type	ETC Cost Differentials Charge Types	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16
1	FMM Instructed Imbalance Energy Settlement	\$ (4,822)	\$ 121,004	\$ 46,264	\$ (36,093)	\$ (32,915)	\$ (9,883)
2	IFM Marginal Losses Surplus Credit Allocation	(139,479)	(74,818)	(92,443)	(53,761)	(55,517)	(60,986)
3	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	459	(0)	(0)	(37)	(7)	(105)
4	Generator Interconnection Process Forfeited Deposit Allocation	-	-	-	-	-	-
5	All Other	-	-	-	-	-	-
6	High Voltage Wheeling Charge due ISO	-	-	-	-	-	-
7	FERC Fees	(598)	-	1	-	165	105
8	Supplemental Reactive Energy Allocation	-	-	13	-	-	(0)
9	EP Penalty Allocation Payment	-	-	-	-	-	-
10	Bid Segment Fee	29	28	42	27	32	39
11	GMC - Market Service Charge	(1,106)	361	146	775	4,655	7,886
12	GMC - System Operations Charge	(6,916)	107	254	1,379	549	1,117
13	GMC - Transmission Ownership Rights	43,829	34,204	42,422	25,047	25,857	32,719
14	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000	1,000	1,000
15	Neutrality Adjustment	-	-	-	-	(0)	-
16	Day Ahead Energy Congestion Loss Management	37,645	(5,269)	16,228	(22,623)	(5,920)	(63,615)
17	Ancillary Service Upward Neutrality Allocation	-	-	-	-	-	-
18	Spinning Reserve Obligation Settlement	(15)	(16)	(33)	(21)	(38)	(30)
19	Spinning Reserve Neutrality Allocation	-	-	-	-	-	-
20	Non-Spinning Reserve Obligation Settlement	(1)	0	(2)	(2)	(2)	(2)
21	Non-Spinning Reserve Neutrality Allocation	-	-	-	-	-	-
22	Declined Hourly Pre-Dispatched Penalty Allocation	-	-	-	-	-	123,227
23	Declined Hourly Pre-Dispatched Penalty Allocation	216	-	(0)	-	(0)	(12)
24	Real-Time Instructed Imbalance Energy Settlement	(25,338)	(8,587)	4,366	3,379	25,151	(3,006)
25	Real-Time Imbalanced Energy Offset	(3,078)	(4)	6	(391)	383	267
26	Real Time System Imbalance Energy Offset	-	-	0	0	-	0
27	Real Time Bid Cost Recovery Allocation	(4,188)	9	3	159	121	232
28	Real Time Congestion Offset	(1,583)	(1)	(1)	1,286	604	(94)
29	Real Time Market Congestion Credit Settlement	(32,823)	30,343	(21,672)	(6,895)	(822)	21,779
30	CRR Balancing Account	(3,029)	(5)	(3)	1,076	176	138
31	CRR Accrued Interest Allocation	2	-	(0)	-	(0)	(0)
32	Real Time Marginal Losses Offset	(3,371)	(3,122)	(2,937)	(1,472)	976	2,568
33	Flexible Ramp Cost Allocation	1,628	4,009	(1,259)	833	8,462	2,941
34	Flexible Ramp Supply Cost Allocation Reversal	(82)	(88)	(243)	(14)	(131)	(1,528)
35	Monthly Flexible Ramp Supply Cost Allocation	90	62	84	11	151	1,291
36	Invoice Deviation Interest Distribution	(1,515)	(883)	(47)	(50)	(106)	(41)
37	Invoice Deviation Interest Allocation	5	110	930	2	19	4
38	Neutrality Adjustment	-	-	-	-	-	-
39	Grand Total	\$ (143,039)	\$ 98,446	\$ (6,880)	\$ (86,385)	\$ (27,159)	\$ 56,011
40							
41							
42	Adjusted Total ETC Cost Differential - Line 39 above	\$ (143,039)	\$ 98,446	\$ (6,880)	\$ (86,385)	\$ (27,159)	\$ 56,011
43	Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 13	\$ (143,039)	\$ 98,446	\$ (6,880)	\$ (86,385)	\$ (27,159)	\$ 56,011
44	Difference	-	-	-	-	-	-
45							

**San Diego Gas & Electric Company
2017 TRBAA Rate Filing
Details of Monthly ETC Cost Differentials**

Line No.	Charge Type	ETC Cost Differentials Charge Types	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Total	Line No.
1	6460	FMM Instructed Imbalance Energy Settlement	\$ 1,640	\$ 8,387	\$ 2,130,758	\$ 6,856	\$ 368,663	\$ 115,360	\$ 2,715,218	1
2	6947	IFM Marginal Losses Surplus Credit Allocation	(42,616)	(77,146)	(125,354)	(119,869)	(162,414)	(107,172)	(1,111,575)	2
3	6977	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	-	(3)	(1)	0	(21)	-	286	3
4	8526	Generator Interconnection Process Forfeited Deposit Allocation	-	-	-	-	-	-	-	4
5		All Other	-	-	-	-	-	-	-	5
6	0382	High Voltage Wheeling Charge due ISO	-	-	-	-	-	-	-	6
7	0550	FERC Fees	-	-	1	0	26	-	(301)	7
8	1303	Supplemental Reactive Energy Allocation	-	-	-	-	-	-	13	8
9	1592	EP Penalty Allocation Payment	-	(2,894)	-	-	-	-	(2,894)	9
10	4515	Bid Segment Fee	28	40	55	34	42	34	429	10
11	4560	GMC - Market Service Charge	4,066	2,906	1,706	931	112	87	22,525	11
12	4561	GMC - System Operations Charge	222	406	465	203	369	200	(1,645)	12
13	4563	GMC - Transmission Ownership Rights	22,302	38,210	55,033	40,798	52,932	42,649	450,001	13
14	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000	1,000	1,000	12,000	14
15	4999	Neutrality Adjustment	-	-	0	-	-	-	-	15
16	6011	Day Ahead Energy Congestion Loss Management	29,680	(18,738)	(2,273,602)	152,328	(297,161)	(103,441)	(2,554,486)	16
17	6090	Ancillary Service Upward Neutrality Allocation	-	-	-	-	(2)	-	(2)	17
18	6194	Spinning Reserve Obligation Settlement	(84)	(131)	(119)	(44)	138	(34)	(426)	18
19	6196	Spinning Reserve Neutrality Allocation	-	-	-	-	24	-	24	19
20	6294	Non-Spinning Reserve Obligation Settlement	(5)	(7)	(7)	(14)	135	(3)	90	20
21	6296	Non-Spinning Reserve Neutrality Allocation	-	-	-	-	17	-	17	21
22	6455	Declined Hourly Pre-Dispatched Penalty Allocation	140,702	453	(3,000)	-	-	-	261,381	22
23	6457	Declined Hourly Pre-Dispatched Penalty Allocation	-	(0)	-	-	(0)	-	203	23
24	6470	Real-Time Instructed Imbalance Energy Settlement	(515)	5,281	6,507	(1,086)	2,089	(2,930)	5,310	24
25	6477	Real-Time Imbalanced Energy Offset	(0)	(196)	158	(1)	(92)	0	(2,948)	25
26	6478	Real Time System Imbalance Energy Offset	-	-	-	-	-	-	1	26
27	6678	Real Time Bid Cost Recovery Allocation	17	20	118	112	188	2	(3,207)	27
28	6774	Real Time Congestion Offset	(0)	87	117	1	50	2	468	28
29	6788	Real Time Market Congestion Credit Settlement	1,007	(7,386)	21,968	(6,540)	22,691	2,206	23,857	29
30	6790	CRR Balancing Account	-	(7)	11	(1)	(124)	0	(1,769)	30
31	6791	CRR Accrued Interest Allocation	-	-	-	-	(0)	-	1	31
32	6985	Real Time Marginal Losses Offset	3,825	5,929	5,835	3,176	3,661	12,417	27,485	32
33	7056	Flexible Ramp Cost Allocation	11,677	(15,953)	8,199	342	654	555	22,088	33
34	7057	Flexible Ramp Supply Cost Allocation Reversal	(39,845)	(2,275)	37,105	(62)	0	(1)	(7,164)	34
35	7058	Monthly Flexible Ramp Supply Cost Allocation	30,121	2,245	(27,493)	89	3	0	6,653	35
36	7989	Invoice Deviation Interest Distribution	(7)	(193)	(13)	(42)	(2)	(11)	(2,911)	36
37	7999	Invoice Deviation Interest Allocation	41	119	1,246	484	77	82	3,119	37
38	8999	Neutrality Adjustment	-	-	-	-	-	-	-	38
39		Grand Total	\$ 163,253	\$ (59,842)	\$ (159,309)	\$ 78,693	\$ (6,946)	\$ (38,999)	\$ (132,156)	39
40										40
41										41
42		Adjusted Total ETC Cost Differential - Line 39 above	\$ 163,253	\$ (59,842)	\$ (159,309)	\$ 78,693	\$ (6,946)	\$ (38,999)	\$ (132,156)	42
43		Per TRBAA Schedule; Worksheet 4.1 to 4.4; Line 13	\$ 163,253	\$ (59,842)	\$ (159,309)	\$ 78,693	\$ (6,946)	\$ (38,999)	\$ (132,156)	43
44		Difference	-	-	-	-	-	-	-	44
45										45

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
2017 TRBAA Filing
Derivation of Other PTO Related Revenue (Credits) / Charges**

Line No.	A Actual Recorded Month	B		C		D		Line No.
		TRBAA Recorded Other PTO Related Revenue (Credits)/Charges ¹		Forecast Month		TRBAA Forecast Other PTO Related Revenue (Credits)/Charges - Cash Month ²		
1	Oct-15	\$ (5,484,932)		Jan-17		(119,162)		1
2	Nov-15	2,209		Feb-17		(119,162)		2
3	Dec-15	929		Mar-17		(119,162)		3
4	Jan-16	(12,516)		Apr-17		(119,162)		4
5	Feb-16	3,285		May-17		(119,162)		5
6	Mar-16	(28,941)		Jun-17		(119,162)		6
7	Apr-16	(15,150)		Jul-17		(119,162)		7
8	May-16	(6,484)		Aug-17		(119,162)		8
9	Jun-16	7,736		Sep-17		(119,162)		9
10	Jul-16	(2,303)		Oct-17		(119,162)		10
11	Aug-16	197,194		Nov-17		(119,162)		11
12	Sep-16	(1,574,809)		Dec-17		(119,162)		12
13	Total	\$ (6,913,784)		(b)		(1,429,948)		13
14								14
1	See WP No. 5; Pages 5.1 and 5.2; Line 11/ WP No. 11; Page 11.2 Total Col. Line 3							
	Less: Oct 2015 Charge Code 8526 refund for Generator Interconnection Process Deposit already included in the prior year TRBAA filing per ER16-550, workpaper 9, page 9.1							
	Net Charge Code 8526 Forecast							
	\$ 5,483,836 (a)							
	(1,429,948) (b)							
2	Forecast Per Month = (c) / 12 Months							
	\$ (119,162)							
(a)	In October 6, 2015, SDG&E received from the CAISO an additional amount totaling \$5,483,836.42 applicable to charge code 8526 that was also flowed through the TRBAA. This amount was already included in the 2016 TRBA forecast since it's a known amount that was credited back to customers during the 2016 rate effective period. This is now excluded in the 2017 TRBA forecast.							

San Diego Gas & Electric Company		2017 - TRBAA Rate Filing	
Derivation of Other PTO Related Revenue (Credits)/Charges Allocated Between HV and LV			
Line No.	Reference		
1			
2			
3	WP No. 12; Page 12.2, Total Col. Line 9	\$ (6,913,784)	
4	See WP 11.1 footnote (a) explanation for exclusion	5,483,836	
5	See WP 12.1 to 12.2 footnote (b) explanation on the HV/LV allocation per CAISO	1,571,920	
6			
7	Sum Lines 3 to 5	\$ 141,972	
8			
9		(C) = (A) + (B)	
10			
11			
12			
13	Per anticipated Vol.1; Stmt BK2; Page 2; Line 14 that will be filed in the TO4-Cycle 4 Informational Filings on December 1, 2016	\$ 4,715,038	
14			
15	Per anticipated Vol.1; Stmt BK2; Page 2; Line 19 that will be filed in the TO4-Cycle 4 Informational Filings on December 1, 2016	\$ 579,773	
16			
17	Sum Lines 13 and 15	\$ 5,294,811	
18			
19	Allocation Ratios Based on Line 17	100.00%	
20			
21	See line 7 above	\$ 141,972	
22			
23	See Line 19 Above	100.00%	
24			
25	Line 21 x Line 23	\$ 141,972	
26			
27	See WP 12.1 to 12.2 footnote (b) explanation on the HV/LV allocation per CAISO	\$ (1,571,920)	
28			
29	Line 25 + Line 27	\$ (1,429,948)	
30			

Line No.	Reference	(A)	(B)	(C) = (A) + (B)
9	Note 2: Allocation of Other PTO Related Revenue (Credits)/Charges on Line 7			
10				
11	Development of Gross Plant Balances Allocation Ratios:			
12		High Voltage	Low Voltage	Total
13	TO4 Cycle 4 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 3,088,580	\$ 1,626,458	\$ 4,715,038
14				
15	TO4 Cycle 4 - Weighted Forecast Plant Additions; Dollars in (\$000)	257,861	321,912	579,773
16				
17	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 3,346,441	\$ 1,948,370	\$ 5,294,811
18				
19	High Voltage - Low Voltage Allocation Ratios Based on Gross Plant; Per Line 17	63.20%	36.80%	100.00%
20				
21	Net Forecast of Other PTO Related Revenue (Credits)/Charges			\$ 141,972
22				
23	Allocation Ratios Based on Gross Plant Balances; Per Line 21	63.20%	36.80%	100.00%
24				
25	Total Allocation of Other PTO Related Revenue (Credits)/Charges on Line 7	\$ 89,726	\$ 52,246	\$ 141,972
26				
27	Note 3: Allocation of Other PTO Related Revenue (Credits)/Charges on Line 5	\$ (1,071,029)	\$ (500,891)	\$ (1,571,920)
28				
29	Total Other PTO Related Revenue (Credits)/Charges HV/LV Allocation	\$ (981,303)	\$ (448,645)	\$ (1,429,948)
30				

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

San Diego Gas & Electric Company
2017 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-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16
1	7989	Invoice Deviation Interest Distribution	\$ (1,718)	\$ (8)	\$ (684)	\$ (15,042)	\$ (711)	\$ (32,312)
2								
3	7999	Invoice Deviation Interest Allocation	623	2,216	1,612	2,527	3,996	3,371
4								
5	8526	Generator Interconnection Process Forfeited Deposit Allocation ^b	(5,483,836)	-	-	-	-	-
6								
7	8999	Neutrality Adjustment	-	-	-	-	-	-
8								
9		Grand Total	\$ (5,484,932)	\$ 2,209	\$ 929	\$ (12,516)	\$ 3,285	\$ (28,941)
10								
11								
12		Adjusted Total Other PTO Related Revenue (Credits)/Charges - Line 5 above	\$ (5,484,932)	\$ 2,209	\$ 929	\$ (12,516)	\$ 3,285	\$ (28,941)
13		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 14	\$ (5,484,932)	\$ 2,209	\$ 929	\$ (12,516)	\$ 3,285	\$ (28,941)
14		Difference	-	-	-	-	-	-
15								
a		Other Participating Transmission Owner (PTO) Related (Credits)/Charges include CAISO charge codes 7989, 7999, 8526, and 8999. The segregation of these charges and classifying them as Other PTO Related (Credits)/Charges enhances reporting transparency.						
b		In accordance with the CAISO Tariff Appendix DD, Section 7.6, SDG&E, as a PTO, received \$1,571,920.22 under CAISO Charge Code 8526 on September 20, 2016. Of this amount, \$1,071,029.56 is classified as High Voltage and \$500,890.66 is classified as Low Voltage.						

San Diego Gas & Electric Company
2017 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-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Total	Line No.
1	7989	Invoice Deviation Interest Distribution	\$ (18,279)	\$ (19,231)	\$ (2,429)	\$ (7,259)	\$ (4,782)	\$ (2,889)	\$ (105,344)	1
2										2
3	7999	Invoice Deviation Interest Allocation	3,129	12,746	10,165	4,956	2,806	-	48,146	3
4										4
5	8526	Generator Interconnection Process Forfeited Deposit Allocation ^b	-	-	-	-	199,170	(1,571,920)	(6,856,586)	5
6										6
7	8999	Neutrality Adjustment	-	-	-	-	-	-	-	7
8										8
9		Grand Total	\$ (15,150)	\$ (6,484)	\$ 7,736	\$ (2,303)	\$ 197,194	\$ (1,574,809)	\$ (6,913,784)	9
10										10
11										11
12		Adjusted Total Other PTO Related Revenue (Credits)/Charges - Line 5 above	\$ (15,150)	\$ (6,484)	\$ 7,736	\$ (2,303)	\$ 197,194	\$ (1,574,809)	\$ (6,913,784)	12
13		Per TRBAA Schedule; Workpaper 4.1 to 4.4; Line 14	\$ (15,150)	\$ (6,484)	\$ 7,736	\$ (2,303)	\$ 197,194	\$ (1,574,809)	\$ (6,913,784)	13
14		Difference	-	-	-	-	-	-	-	14
15										15
a		Other Participating Transmission Owner (PTO) Related (Credits)/Charges include CAISO charge codes 7989, 7999, 8526, and 8999. The segregation of these charges and classifying them as Other PTO Related (Credits)/Charges enhances reporting transparency.								
b		In accordance with the CAISO Tariff Appendix DD, Section 7.6, SDG&E, as a PTO, received \$1,571,920.22 under CAISO Charge Code 8526 on September 20, 2016. Of this amount, \$1,071,029.56 is classified as High Voltage and \$500,890.66 is classified as Low Voltage.								