

**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 ACCESS CHARGE BALANCING
ACCOUNT ADJUSTMENT (TACBAA)**

December 15, 2016



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December 15, 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 TACBAA 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 requirements 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 Access Charge Balancing Account Adjustment (“TACBAA”).²

Specifically, this filing updates the TACBAA rate for end-use retail customers. 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. TACBAA RATE

The TACBAA is a ratemaking mechanism designed to ensure that the difference in the amount of costs billed to SDG&E as a load-serving entity and the revenues paid to SDG&E as a Participating Transmission Owner under the CAISO Tariff is recovered from or returned to SDG&E’s End-Use Customers. Section 5.6 of the TO Tariff describes items to be included in

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 TACBAA 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.

the TACBAA and sets forth the procedure for revising the TACBAA rate on an annual basis. This annual revision is based on the projected balance of the TACBAA as of December 31, 2016, a forecast of the net annual Access Charge billings in the following year, and Franchise Fees/Uncollectibles. The derivation of the total TACBAA is reflected in Statement BK, while the derivation of the TACBAA Rate/kWh is reflected in Statement BL.

The following provides a summary of the derivation of the TACBAA.

TACBAA Projected Balance @ December 31, 2016	(\$ 992,090)
Forecasted Net Access Charge Billings	(\$170,150,731)
Franchise Fees/Uncollectibles	<u>(\$ 2,056,624)</u>
Total TACBAA	<u>(\$173,199,445)</u>

The final 2017 TACBAA is a credit to End-Use Customers of (\$173,199,445). To pass through this credit, SDG&E is proposing a 2017 TACBAA rate of (\$0.00895) per kWh, compared to the current rate of (\$0.00870) per kWh.

II. DIFFERENCES IN THIS FILING FROM PRIOR YEAR'S ANNUAL RATE UPDATE

On December 17, 2015, SDG&E filed the 2016 annual updates to its Transmission Revenue Balancing Account ("TRBAA") and Transmission Access Charge Balancing Account ("TACBAA").⁴ Previously, SDG&E combined the annual updates to the TRBAA and TACBAA in a single filing for administrative purposes. SDG&E recently changed the single filing practice and filed the TRBAA update on November 1, 2016,⁵ in order to reflect the TRBAA amounts in Appendix I of SDG&E's Cycle 4 Informational Filing of its Fourth Transmission Owner ("TO") Formula transmission rate mechanism ("TO4") filed on December 1, 2016,⁶ with a proposed effective date of January 1, 2017.

SDG&E submits this annual TACBAA update in December, in order to have the rate reflect the most recent Base Transmission Revenue Requirement ("BTRR") from SDG&E's TO4 Cycle 4 filing submitted to the Commission and to update the rates reflected in the Access Charge Rate input form at workpaper 5.1. These inputs include data from other CAISO market participants that are not available until December.

⁴ Docket No. ER16-550-000.

⁵ Docket No. ER17-279-000.

⁶ SDG&E submitted this TO4, Cycle 4 filing on December 1, 2016, in Docket No. ER17-470-000. "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.

III. EFFECTIVE DATE

SDG&E respectfully requests, pursuant to Section 35.11 (18 C.F.R. § 35.11) of the Commission's Regulations, waiver of the 60-day prior notice requirement specified in Section 35.3, and requests the Commission to assign the revised tariff sections an effective date of January 1, 2017. This waiver will permit SDG&E to revise the TACBAA rate based on the most recent BTRR submitted to the Commission and Access Charge data from CAISO market participants, while keeping rate changes pursuant to the TO Tariff with the same effective date of January 1,⁷ which is consistent with the TO Tariff and will minimize the customer and cost effects of rate changes.

Such waiver would be consistent with the Commission's policy set forth in *Central Hudson Gas & Electric Corp.*, 60 FERC ¶ 61,089 (1992), that waiver of the 60-day prior notice requirement generally will be appropriate for filings that modify rates when the rate change and its effective date are prescribed by a tariff on file with the Commission, such as annual rate revisions required by an agreement to become effective on a date specified therein. Because the terms of Section 5.6 of the TO Tariff require SDG&E to update its TACBAA each January, and because a waiver will not affect SDG&E's other rate schedules, a waiver of the 60-day prior notice requirement is appropriate to permit the proposed rate revisions to take effect on January 1, 2017 or as outlined above.

IV. OTHER MATTERS

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

SDG&E believes that the information contained in this filing provides a sufficient basis upon which to accept this filing. However, SDG&E further requests that the Commission waive its filing requirements contained in Part 35 of its regulations to the extent necessary to permit this filing to be made effective as requested.

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.

⁷ In addition to the rate changes requested with this filing and the annual TRBAA filing referenced at p. 2 above, other annual SDG&E TO Tariff rate changes take effect on January 1 each year pursuant to (1) the approved formula rate, and for (2) the reliability services balancing account.

V. CORRESPONDENCE

SDG&E requests that the Secretary place the following persons upon the official service list, and that they be served with all correspondence, pleadings and other communications concerning this filing:

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VI. LIST OF DOCUMENTS SUBMITTED

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

- A. Revisions to the TO Tariff – Clean and Redline Versions
- B. Attestation
- C. TACBAA Cost Statements and Related Work Papers

VII. CONCLUSION

SDG&E respectfully requests that the Commission accept and approve 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

Enclosures

CERTIFICATE OF SERVICE

I hereby certify that I have this day 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 15th day of December, 2016.

/s/ Tamara Grabowski

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

San Diego Gas & Electric Company
2017 TACBAA Filing

Attachment – A
Revisions to the Transmission Owner
("T.O.") Tariff -
Clean and Redline Versions

ER 17-_____ - _____

San Diego Gas & Electric Company
2017 TACBAA Filing

Attachment – A (Cont'd)

A. Clean Version

ER 17-_____ - _____

APPENDIX III

Access Charges for End-Use Customers

Transmission Access Charge Balancing Account Adjustment Rate (TACBAA)

A Transmission Access Charge Balancing Account Adjustment Rate equal to (\$0.00895) per kilowatt-hour shall be billed to all SDG&E End-User Customers.

San Diego Gas & Electric Company
2017 TACBAA Filing

Attachment – A (Cont'd)

B. 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 (\$0.00081)
per kilowatt-hour shall be applied to all SDG&E End-User Customers bills.~~

~~ISO Wholesale
Transmission Revenue Balancing Account Adjustment
TRBAA
Service Year 2016~~

A: High Voltage TRBAA	\$ (15,731,056)
B: Low Voltage TRBAA	(205,197)
C: Total ISO Wholesale TRBAA:	\$ (15,936,253)

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

A Transmission Access Charge Balancing Account Adjustment Rate equal to

(\$0.00~~895870~~) per kilowatt-hour shall be billed to all SDG&E End-User Customers.

San Diego Gas & Electric Company
2017 TACBAA Filing

Attachment – B
Attestation Form

ER17-____-_____

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

I, David Geier, attest that I am Vice President – Electric Transmission and System 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.

December 13, 2016



David Geier

.....

California All-Purpose Acknowledgement

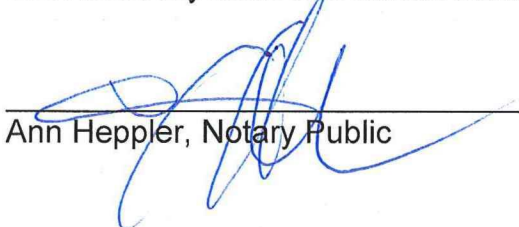
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
)
County of San Diego)

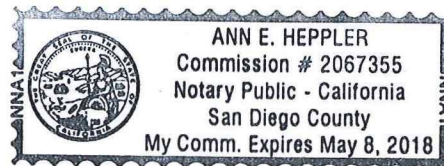
On December 13, 2016 before me, Ann Heppler, a Notary Public, personally appeared David Geier, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that 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 TACBAA Rate Filing

Attachment - C
Transmission Access Charge Balancing
Account Adjustment (TACBAA)
Cost Statements and Related Workpapers

ER17-_____-000

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

Attachment – C (Cont'd)

A. Statement BD - Allocation Energy and Supporting Data

ER17-_____-000

Statement BD									
San Diego Gas & Electric Company									
2017 - TACBAA Rate Filing									
Allocation Energy and Supporting Data									
		(A)	(B)	(C) = (A) - (B)					
Line No.	Date	Retail Energy Sales @ Meter Level Plus Sale for Resale	Sale for Resale (City of Escondido) ¹	Retail Energy Sales @ Meter Level Net of Sale for Resale	Reference				Line No.
1	Nov-15	1,695,442,014	565	1,695,441,449	Workpaper No. 1; Page 1.1; Lines 30; 29				1
2	Dec-15	1,637,252,269	3,676	1,637,248,593	Workpaper No. 1; Page 1.1; Lines 30; 29				2
3	Jan-16	1,588,826,407	5,993	1,588,820,414	Workpaper No. 1; Page 1.1; Lines 30; 29				3
4	Feb-16	1,347,386,452	6,231	1,347,380,221	Workpaper No. 1; Page 1.1; Lines 30; 29				4
5	Mar-16	1,671,273,573	5,954	1,671,267,619	Workpaper No. 1; Page 1.1; Lines 30; 29				5
6	Apr-16	1,437,258,099	9,212	1,437,248,887	Workpaper No. 1; Page 1.1; Lines 30; 29				6
7	May-16	1,373,673,541	10,406	1,373,663,135	Workpaper No. 1; Page 1.1; Lines 30; 29				7
8	Jun-16	1,475,478,960	9,837	1,475,469,123	Workpaper No. 1; Page 1.1; Lines 30; 29				8
9	Jul-16	1,502,821,950	10,310	1,502,811,640	Workpaper No. 1; Page 1.1; Lines 30; 29				9
10	Aug-16	1,983,833,536	4,609	1,983,828,927	Workpaper No. 1; Page 1.1; Lines 30; 29				10
11	Sep-16	1,858,676,431	8,635	1,858,667,796	Workpaper No. 1; Page 1.1; Lines 30; 29				11
12	Oct-16	1,788,571,971	10,162	1,788,561,809	Workpaper No. 1; Page 1.1; Lines 30; 29				12
13									13
14									14
15	Total	19,360,495,203	85,590	19,360,409,613	Sum Lines 1 thru 12				15
¹	City of Escondido sales are excluded from the KWh total because they are classified as sales to wholesale customers.								

Statement BD
San Diego Gas & Electric Company
2017 - TACBAA Rate Filing

Allocation Energy and Supporting Data

Line No.	Date	(A)	(B)	(C) = (A) - (B)	Reference	Line No.
		Retail Energy Sales @ Meter Level Plus Sale for Resale	Sale for Resale (City of Escondido) ¹	Retail Energy Sales @ Meter Level Net of Sale for Resale		
1	Jan-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	City of Escondido sales are excluded from the KWh total because they are classified as sales to wholesale customers not retail.					
	Forecast sales are used to develop Statements BG and BH, Revenues at Proposed Rates and Present Rates.					

Statement BD									
SAN DIEGO GAS & ELECTRIC COMPANY									
2017 - TACBAA 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 by the CAISO for TAC purposes.								
2	Per Cost Statement BB; Page 1; Line 22 filed in the TO4-Cycle 4 on December 1, 2016 per ER17-470.								
	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

Primary Level Distribution Loss Factor
 Total Lake Hodges Pumping Load

1.0110
38,237

San Diego Gas & Electric Company

Attachment C – (Cont'd)

B. Statement BG - Revenue Data to Reflect Changed Rates

ER17-_____-000

Statement BG
SAN DIEGO GAS & ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenues Data to Reflect Changed Rates
Comparison of Revenues
Rate Effective Period - Twelve Months Ending December 31, 2017

Line No.	Customer Classes	(A)	(B)	(C) = (A) - (B)		(D) = (C) / (B)		Reference	Line No.
		(Statement BG) 2017 TACBAA Revenues @ Changed Rates	(Statement BH) 2017 TACBAA Revenues @ Present Rates ¹	(\$)	(%)	(%)	Change		
1	Residential	\$ (60,888,659)	\$ (59,187,860)	\$ (1,700,799)	-2.87%			Statement BG; Page 2 of 4; Line 14	1
2								Statement BH; Page 1 of 3; Line 14	2
3	Small Commercial	\$ (20,059,335)	\$ (19,499,017)	(560,318)	-2.87%			Statement BG; Page 2 of 4; Line 16	3
4								Statement BH; Page 1 of 3; Line 16	4
5	Medium and Large Commercial/Industrial	\$ (90,990,250)	\$ (88,448,621)	(2,541,629)	-2.87%			Statement BG; Page 2 of 4; Line 18	5
6								Statement BH; Page 1 of 3; Line 18	6
7	Agriculture (PA and TOU-PA)	\$ (752,144)	\$ (731,134)	(21,010)	-2.87%			Statement BG; Page 2 of 4; Line 20	7
8								Statement BH; Page 1 of 3; Line 20	8
9	Agriculture (PA-T-1)	\$ (1,973,372)	\$ (1,918,250)	(55,122)	-2.87%			Statement BG; Page 2 of 4; Line 22	9
10								Statement BH; Page 1 of 3; Line 22	10
11	Street Lighting	\$ (772,874)	\$ (751,284)	(21,590)	-2.87%			Statement BG; Page 2 of 4; Line 24	11
12								Statement BH; Page 1 of 3; Line 24	12
13	Grand Total	\$ (175,436,634)	\$ (170,536,166)	\$ (4,900,468)	-2.87%			Sum Lines 1 through 11	13

¹ Present Rates are defined as rates effective pursuant to ER16-550.

Statement BG
SAN DIEGO GAS & ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenues Data to Reflect Changed Rates
Rate Effective Period - Twelve Months Ending December 31, 2017

Line No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17		
1	Residential ¹	\$ (5,731,694)	\$ (4,941,778)	\$ (4,720,541)	\$ (4,347,499)	\$ (4,371,066)	\$ (4,578,039)	1
2	Small Commercial ²	(1,647,708)	(1,581,653)	(1,574,917)	(1,546,115)	(1,574,451)	(1,643,494)	2
3	Medium and Large Commercial/Industrial ³	(7,272,433)	(7,022,707)	(7,022,346)	(7,018,165)	(7,218,280)	(7,534,490)	3
4	Agriculture (PA and TOU-PA) ⁴	(43,972)	(48,078)	(44,974)	(53,886)	(61,590)	(72,522)	4
5	Agriculture (PA-T-1) ⁵	(129,401)	(132,161)	(129,151)	(145,015)	(169,925)	(189,815)	5
6	Street Lighting ⁶	(66,597)	(63,581)	(63,796)	(62,017)	(62,502)	(65,177)	6
7	TOTAL	\$ (14,891,805)	\$ (13,789,958)	\$ (13,555,725)	\$ (13,172,697)	\$ (13,457,814)	\$ (14,083,537)	7
8								8
9								9
10								10
11								11
12								12
13								13

Line No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	Line No.	
	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Total		
14	Residential ¹	\$ (5,249,757)	\$ (5,407,945)	\$ (6,234,066)	\$ (5,320,863)	\$ (4,715,486)	\$ (5,269,925)	\$ (60,888,659)	14
15	Small Commercial ²	(1,799,713)	(1,789,448)	(1,943,999)	(1,758,880)	(1,612,200)	(1,586,757)	\$ (20,059,335)	15
16	Medium and Large Commercial/Industrial ³	(8,217,555)	(8,021,577)	(8,826,180)	(8,006,056)	(7,562,202)	(7,268,259)	\$ (90,990,250)	16
17	Agriculture (PA and TOU-PA) ⁴	(80,530)	(77,973)	(82,791)	(71,980)	(62,567)	(51,281)	\$ (752,144)	17
18	Agriculture (PA-T-1) ⁵	(203,963)	(194,177)	(205,869)	(179,000)	(159,343)	(135,552)	\$ (1,973,372)	18
19	Street Lighting ⁶	(65,998)	(62,991)	(66,223)	(63,251)	(64,107)	(66,634)	\$ (772,874)	19
20	TOTAL	\$ (15,617,516)	\$ (15,554,111)	\$ (17,359,128)	\$ (15,400,030)	\$ (14,175,905)	\$ (14,378,408)	\$ (175,436,634)	20
21								21	
22								22	
23								23	
24								24	
25								25	
26								26	

¹ See Stmt BG pages 3 of 4 and 4 of 4, Line 33.

² See Stmt BG pages 3 of 4 and 4 of 4, Line 35.

³ See Stmt BG pages 3 of 4 and 4 of 4, Line 37.

⁴ See Stmt BG pages 3 of 4 and 4 of 4, Line 39.

⁵ See Stmt BG pages 3 of 4 and 4 of 4, Line 41.

⁶ See Stmt BG pages 3 of 4 and 4 of 4, Line 43.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenues Data to Reflect Changed Rates
Rate Effective Period - Twelve Months Ending 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	Work Paper No. 1; Page 1.2; Line 23	1
2									2
3	Small Commercial	184,101,473	176,720,967	175,968,347	172,750,257	175,916,332	183,630,599	Work Paper No. 1; Page 1.2; Line 24	3
4									4
5	Medium and Large Commercial/Industrial	812,562,344	784,660,017	784,619,615	784,152,525	806,511,732	841,842,465	Work Paper No. 1; Page 1.2; Line 25	5
6									6
7	Agriculture (PA and TOU-PA)	4,913,031	5,371,812	5,025,072	6,020,805	6,881,578	8,103,048	Work Paper No. 1; Page 1.2; Line 26	7
8									8
9	Agriculture (PA-T-1)	14,458,233	14,766,560	14,430,224	16,202,793	18,986,073	21,208,391	Work Paper No. 1; Page 1.2; Line 27	9
10									10
11	Street Lighting	7,440,992	7,103,973	7,128,040	6,929,324	6,983,413	7,282,340	Work Paper No. 1; Page 1.2; Line 28	11
12									12
13	TOTAL	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 - 11	13
14									14
15		\$(/kWh)	\$(/kWh)	\$(/kWh)	\$(/kWh)	\$(/kWh)	\$(/kWh)		15
16									16
17	Residential Customers	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	Statement BL; Page 1; Line 21	17
18									18
19	Small Commercial	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	Statement BL; Page 1; Line 21	19
20									20
21	Medium and Large Commercial/Industrial	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	Statement BL; Page 1; Line 21	21
22									22
23	Agriculture (PA and TOU-PA)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	Statement BL; Page 1; Line 21	23
24									24
25	Agriculture (PA-T-1)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	Statement BL; Page 1; Line 21	25
26									26
27	Street Lighting	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	\$(0.00895)	Statement BL; Page 1; Line 21	27
28									28
29									29
30		Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates		30
31									31
32	Residential Customers	\$(5,731,694)	\$(4,941,778)	\$(4,720,541)	\$(4,347,499)	\$(4,371,066)	\$(4,578,039)	Line 1 x Line 18	32
33									33
34	Small Commercial	\$(1,647,708)	\$(1,581,653)	\$(1,574,917)	\$(1,546,115)	\$(1,574,451)	\$(1,643,494)	Line 3 x Line 20	34
35									35
36	Medium and Large Commercial/Industrial	\$(7,272,433)	\$(7,022,707)	\$(7,022,346)	\$(7,018,165)	\$(7,218,280)	\$(7,534,490)	Line 5 x Line 22	36
37									37
38	Agriculture (PA and TOU-PA)	\$(43,972)	\$(48,078)	\$(44,974)	\$(53,886)	\$(61,590)	\$(72,522)	Line 7 x Line 24	38
39									39
40	Agriculture (PA-T-1)	\$(129,401)	\$(132,161)	\$(129,151)	\$(145,015)	\$(169,925)	\$(189,815)	Line 9 x Line 26	40
41									41
42	Street Lighting	\$(66,597)	\$(63,581)	\$(63,796)	\$(62,017)	\$(62,502)	\$(65,177)	Line 11 x Line 28	42
43									43
44	TOTAL	\$(14,891,805)	\$(13,789,958)	\$(13,555,725)	\$(13,172,697)	\$(13,457,814)	\$(14,083,537)	Sum Lines 33 through 43	44
45									45

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenues Data to Reflect Changed Rates
Rate Effective Period - Twelve Months Ending 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	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	Work Paper 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	Work Paper No. 1; Page 1.2; Line 24	3
4										4
5	Medium and Large Commercial/Industrial	918,162,582	896,265,601	986,165,308	894,531,436	844,938,754	812,095,934	10,166,508,313	Work Paper 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	Work Paper 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	Work Paper 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	Work Paper No.1.5; 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 - 11	13
14										14
15										15
16										16
17	Residential Customers	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)		Statement BL; Page 1; Line 21	17
18										18
19	Small Commercial	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)		Statement BL; Page 1; Line 21	19
20										20
21	Medium and Large Commercial/Industrial	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)		Statement BL; Page 1; Line 21	21
22										22
23	Agriculture (PA and TOU-PA)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)		Statement BL; Page 1; Line 21	23
24										24
25	Agriculture (PA-T-1)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)		Statement BL; Page 1; Line 21	25
26										26
27	Street Lighting	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)	\$ (0.00895)		Statement BL; Page 1; Line 21	27
28										28
29										29
30										30
31										31
32	Residential Customers	\$ (5,249,757)	\$ (5,407,945)	\$ (6,234,066)	\$ (5,320,863)	\$ (4,715,486)	\$ (5,269,925)	\$ (60,888,659)	Line 1 x Line 18	32
33										33
34	Small Commercial	\$ (1,799,713)	\$ (1,789,448)	\$ (1,943,999)	\$ (1,758,880)	\$ (1,612,200)	\$ (1,586,757)	\$ (20,059,355)	Line 3 x Line 20	34
35										35
36	Medium and Large Commercial/Industrial	\$ (8,217,555)	\$ (8,021,577)	\$ (8,826,180)	\$ (8,006,056)	\$ (7,562,202)	\$ (7,268,259)	\$ (90,990,250)	Line 5 x Line 22	36
37										37
38	Agriculture (PA and TOU-PA)	\$ (80,530)	\$ (77,973)	\$ (82,791)	\$ (71,980)	\$ (62,567)	\$ (51,281)	\$ (752,144)	Line 7 x Line 24	38
39										39
40	Agriculture (PA-T-1)	\$ (203,963)	\$ (194,177)	\$ (205,869)	\$ (179,000)	\$ (159,343)	\$ (135,552)	\$ (1,973,372)	Line 9 x Line 26	40
41										41
42	Street Lighting	\$ (65,998)	\$ (62,991)	\$ (66,223)	\$ (63,251)	\$ (64,107)	\$ (66,634)	\$ (772,874)	Line 11 x Line 28	42
43										43
44	TOTAL	\$ (15,617,516)	\$ (15,554,111)	\$ (17,359,128)	\$ (15,400,030)	\$ (14,175,905)	\$ (14,378,408)	\$ (175,436,634)	Sum Lines 33 through 43	44
45										45

San Diego Gas & Electric Company

Attachment C – (Cont'd)

C. Statement BH - Revenue Data to Reflect Present Rates

ER17-_____-000

Statement BH
SAN DIEGO GAS & ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenue Data to Reflect Present Rates per ER 16-550
Rate Effective Period - Twelve Months Ending December 31, 2017

Line No.	Customer Classes	(A) Jan-17	(B) Feb-17	(C) Mar-17	(D) Apr-17	(E) May-17	(F) Jun-17	(G)	Line No.
1	Residential ¹	\$ (5,571,591)	\$ (4,803,740)	\$ (4,588,682)	\$ (4,226,061)	\$ (4,248,970)	\$ (4,450,161)		1
2	Small Commercial ²	(1,601,683)	(1,537,472)	(1,530,925)	(1,502,927)	(1,530,472)	(1,597,586)		2
3	Medium and Large Commercial/Industrial ³	(7,069,292)	(6,826,542)	(6,826,191)	(6,822,127)	(7,016,652)	(7,324,029)		3
4	Agriculture (PA and TOU-PA) ⁴	(42,743)	(46,735)	(43,718)	(52,381)	(59,870)	(70,497)		4
5	Agriculture (PA-T-1) ⁵	(125,787)	(128,469)	(125,543)	(140,964)	(165,179)	(184,513)		5
6	Street Lighting ⁶	(64,737)	(61,805)	(62,014)	(60,285)	(60,756)	(63,356)		6
7	TOTAL	\$ (14,475,833)	\$ (13,404,763)	\$ (13,177,073)	\$ (12,804,745)	\$ (13,081,899)	\$ (13,690,142)		7

Line No.	Customer Classes	(A) Jul-17	(B) Aug-17	(C) Sep-17	(D) Oct-17	(E) Nov-17	(F) Dec-17	(G) Total	Line No.
14	Residential ¹	\$ (5,103,116)	\$ (5,256,885)	\$ (6,059,930)	\$ (5,172,236)	\$ (4,583,768)	\$ (5,122,720)	\$ (59,187,860)	14
15	Small Commercial ²	(1,749,442)	(1,739,464)	(1,889,697)	(1,709,749)	(1,567,166)	(1,542,434)	(19,499,017)	15
16	Medium and Large Commercial/Industrial ³	(7,988,014)	(7,797,511)	(8,579,638)	(7,782,423)	(7,350,967)	(7,065,235)	(88,448,621)	16
17	Agriculture (PA and TOU-PA) ⁴	(78,280)	(75,795)	(80,478)	(69,969)	(60,819)	(49,849)	(731,134)	17
18	Agriculture (PA-T-1) ⁵	(198,266)	(188,753)	(200,118)	(174,000)	(154,892)	(131,766)	(1,918,250)	18
19	Street Lighting ⁶	(64,154)	(61,231)	(64,373)	(61,485)	(62,316)	(64,772)	(751,284)	19
20	TOTAL	\$ (15,181,272)	\$ (15,119,639)	\$ (16,874,234)	\$ (14,969,862)	\$ (13,779,928)	\$ (13,976,776)	\$ (170,536,166)	20

¹ See Stmt BH pages 2 of 3 and 3 of 3, Line 33.

² See Stmt BH pages 2 of 3 and 3 of 3, Line 35.

³ See Stmt BH pages 2 of 3 and 3 of 3, Line 37.

⁴ See Stmt BH pages 2 of 3 and 3 of 3, Line 39.

⁵ See Stmt BH pages 2 of 3 and 3 of 3, Line 41.

⁶ See Stmt BH pages 2 of 3 and 3 of 3, Line 43.

Statement BH
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenue Data to Reflect Present Rates per ER 16-550
Rate Effective Period - Twelve Months Ending 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	Work Paper No. 1; Page 1.2; Line 23	1
2									2
3	Small Commercial	184,101,473	176,720,967	175,968,347	172,750,257	175,916,332	183,630,599	Work Paper No. 1; Page 1.2; Line 24	3
4									4
5	Medium and Large Commercial/Industrial	812,562,344	784,660,017	784,619,615	784,152,525	806,511,732	841,842,465	Work Paper No. 1; Page 1.2; Line 25	5
6									6
7	Agriculture (PA and TOU-PA)	4,913,031	5,371,812	5,025,072	6,020,805	6,881,578	8,103,048	Work Paper No. 1; Page 1.2; Line 26	7
8									8
9	Agriculture (PA-T-1)	14,458,233	14,766,560	14,430,224	16,202,793	18,986,073	21,208,391	Work Paper No. 1; Page 1.2; Line 27	9
10									10
11	Street Lighting	7,440,992	7,103,973	7,128,040	6,929,324	6,983,413	7,282,340	Work Paper No. 1; Page 1.2; Line 28	11
12									12
13	TOTAL	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 - 11	13
14									14
15		\$(/kWh)	\$(/kWh)	\$(/kWh)	\$(/kWh)	\$(/kWh)	\$(/kWh)		15
16									16
17	Residential Customers	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK&BL; Page 1; Line 19	17
18								FERC Docket No. ER16-550-000	18
19	Small Commercial	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK&BL; Page 1; Line 19	19
20								FERC Docket No. ER16-550-000	20
21	Medium and Large Commercial/Industrial	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK&BL; Page 1; Line 19	21
22								FERC Docket No. ER16-550-000	22
23	Agriculture (PA and TOU-PA)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK&BL; Page 1; Line 19	23
24								FERC Docket No. ER16-550-000	24
25	Agriculture (PA-T-1)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK&BL; Page 1; Line 19	25
26								FERC Docket No. ER16-550-000	26
27	Street Lighting	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK&BL; Page 1; Line 19	27
28								FERC Docket No. ER16-550-000	28
29								FERC Docket No. ER16-550-000	29
30		Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates		30
31									31
32	Residential Customers	\$ (5,571,591)	\$ (4,803,740)	\$ (4,588,682)	\$ (4,226,061)	\$ (4,248,970)	\$ (4,450,161)	Line 1 x Line 18	32
33									33
34	Small Commercial	(1,601,683)	(1,537,472)	(1,530,925)	(1,502,927)	(1,530,472)	(1,597,586)	Line 3 x Line 20	34
35									35
36	Medium and Large Commercial/Industrial	(7,069,292)	(6,826,542)	(6,826,191)	(6,822,127)	(7,016,652)	(7,324,029)	Line 5 x Line 22	36
37									37
38	Agriculture (PA and TOU-PA)	(42,743)	(46,735)	(43,718)	(52,381)	(59,870)	(70,497)	Line 7 x Line 24	38
39									39
40	Agriculture (PA-T-1)	(125,787)	(128,469)	(125,543)	(140,964)	(165,179)	(184,513)	Line 9 x Line 26	40
41									41
42	Street Lighting	(64,737)	(61,805)	(62,014)	(60,285)	(60,756)	(63,356)	Line 11 x Line 28	42
43									43
44	TOTAL	\$ (14,475,833)	\$ (13,404,763)	\$ (13,177,073)	\$ (12,804,745)	\$ (13,081,899)	\$ (13,690,142)	Sum Lines 33 through 43	44
45									45

Statement BH
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenue Data to Reflect Present Rates per ER 16-550
Rate Effective Period - Twelve Months Ending 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)	(M) 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	Work Paper 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	Work Paper No. 1; Page 1.2; Line 24	3
4										4
5	Medium and Large Commercial/Industrial	918,162,582	896,265,601	986,165,308	894,531,436	844,938,754	812,095,934	10,166,508,313	Work Paper 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	Work Paper 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	Work Paper 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	Work Paper 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 - 11	13
14										14
15										15
16										16
17	Residential Customers	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	Statement BK&BL; Page 1; Line 19	17
18									FERC Docket No. ER16-550-000	18
19	Small Commercial	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	Statement BK&BL; Page 1; Line 19	19
20									FERC Docket No. ER16-550-000	20
21	Medium and Large Commercial/Industrial	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	Statement BK&BL; Page 1; Line 19	21
22									FERC Docket No. ER16-550-000	22
23	Agriculture (PA and TOU-PA)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	Statement BK&BL; Page 1; Line 19	23
24									FERC Docket No. ER16-550-000	24
25	Agriculture (PA-T-1)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	Statement BK&BL; Page 1; Line 19	25
26									FERC Docket No. ER16-550-000	26
27	Street Lighting	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	\$(0.00870)	Statement BK&BL; Page 1; Line 19	27
28									FERC Docket No. ER16-550-000	28
29									FERC Docket No. ER16-550-000	29
30										30
31										31
32	Residential Customers	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	32
33		\$ (5,103,116)	\$ (5,256,885)	\$ (6,059,930)	\$ (5,172,236)	\$ (4,583,768)	\$ (5,122,720)	\$ (59,187,860)	Line 1 x Line 18	33
34	Small Commercial	(1,749,442)	(1,739,464)	(1,889,697)	(1,709,749)	(1,567,166)	(1,542,434)	(19,499,017)	Line 3 x Line 20	34
35										35
36	Medium and Large Commercial/Industrial	(7,988,014)	(7,797,511)	(8,579,638)	(7,782,423)	(7,350,967)	(7,065,235)	(88,448,621)	Line 5 x Line 22	36
37										37
38	Agriculture (PA and TOU-PA)	(78,280)	(75,795)	(80,478)	(69,969)	(60,819)	(49,849)	(731,134)	Line 7 x Line 24	38
39										39
40	Agriculture (PA-T-1)	(198,266)	(188,753)	(200,118)	(174,000)	(154,892)	(131,766)	(1,918,250)	Line 9 x Line 26	40
41										41
42	Street Lighting	(64,154)	(61,231)	(64,373)	(61,485)	(62,316)	(64,772)	(751,284)	Line 11 x Line 28	42
43										43
44	TOTAL	\$(15,181,272)	\$(15,119,639)	\$(16,874,234)	\$(14,969,862)	\$(13,779,928)	\$(13,976,776)	\$(170,536,166)	Sum Lines 33 through 43	44
45										45

San Diego Gas & Electric Company

Attachment – C (Cont'd)

D. Statement BK – Derivation of Retail Transmission Access Charge Balancing Account Adjustment (TACBAA)

ER17-_____-000

Statement BK
SAN DIEGO GAS & ELECTRIC COMPANY
2017 - TACBAA Rate Filing
TACBAA Forecast Including Franchise Fees & Uncollectible Expense

Line No.	Components	Total TACBAA	Reference	Line No.
1	Recorded TACBAA Balance @ October 31, 2016	\$ 5,395,443	Workpaper No. 2; Pages 2.4; Line 29	1
2				2
3	TACBAA Forecast (Nov and Dec 2016)	(6,387,533)	Workpaper No. 3; Page 3.1; Total Col; Line 32	3
4				4
5	TACBAA Projected Balance @ December 31, 2016	(992,090)	Line 1 + Line 3	5
6				6
7	Forecasted Net Access Charge Billings	(170,150,731)	Workpaper No. 4; Page 4.1; Col. 6; Line 3	7
8				8
9	Total TACBAA Before Franchise Fees & Uncollectible	(171,142,821)	Line 5 + Line 7	9
10				10
11	Franchise Fees @ 1.0277 %	(1,758,835)	Line 9 x 1.0277%	11
12				12
13	Uncollectibles @ 0.1740%	(297,789)	Line 9 x 0.1740%	13
14				14
15	Total Franchise Fees and Uncollectible	(2,056,624)	Line 11 + Line 13	15
16				16
17	Total TACBAA Forecast Including FF&U	\$ (173,199,445)	Line 9 + Line 15	17

San Diego Gas & Electric Company

Attachment – C (Cont'd)

E. Statement BL - Retail TACBAA Rate Calculation

ER17-_____-000

Statement BL
SAN DIEGO GAS & ELECTRIC COMPANY
2017 - TACBAA Rate Filing
TACBAA Rate Schedule

Line No.	Components	Total TACBAA	Reference	Line No.
1	Recorded TACBAA Balance @ October 31, 2016	\$ 5,395,443	Workpaper No. 2; Pages 2.4; Line 29	1
2				2
3	TACBAA Forecast (Nov and Dec 2016)	(6,387,533)	Workpaper No. 3; Page 3.1; Total Col; Line 32	3
4				4
5	TACBAA Projected Balance @ December 31, 2016	(992,090)	Line 1 + Line 3	5
6				6
7	Forecasted Net Access Charge Billings	(170,150,731)	Workpaper No. 4; Page 4.1; Col. 6; Line 3	7
8				8
9	Total TACBAA Before Franchise Fees & Uncollectible	(171,142,821)	Line 5 + Line 7	9
10				10
11	Franchise Fees @ 1.0277 %	(1,758,835)	Line 9 x 1.0277%	11
12				12
13	Uncollectibles @ 0.1740%	(297,789)	Line 9 x 0.1740%	13
14				14
15	Total Franchise Fees and Uncollectible	(2,056,624)	Line 11 + Line 13	15
16				16
17	Total TACBAA Forecast Including FF&U	\$ (173,199,445)	Line 9 + Line 15	17
18				18
19	S: = 12 Months KWh Ending October 31, 2016	19,360,409,613	Statement BD; Page 1 of 4; Column C; Line 15	19
20				20
21	Total TACBAA Rate (\$/kWh)	\$ (0.00895)	Line 17 / Line 19	21

San Diego Gas & Electric Company

Attachment – C (Cont'd)

F. TACBAA Work Papers

ER17-_____-000

Work Paper – 1
12-Month Recorded Sales Ending
10/31/2016
& 12-Month Forecast Sales from
1/1/2017 thru 12/31/2017

San Diego Gas & Electric Recorded Billing Determinants for the 12-Month Period: November 2015 - October 2016													Line No.	
System Delivery Determinants														
Line No.	Customer Class	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Total
1	Residential	585,654	581,904	664,377	543,082	483,029	468,679	461,031	493,972	599,837	697,278	625,433	580,239	6,784,515
2	Small Commercial	158,276	146,961	148,880	127,165	166,698	141,217	163,158	174,109	163,158	227,734	207,991	206,798	2,032,069
3	Med. & Large Comm./Ind.	923,305	872,680	747,841	649,818	993,226	792,514	719,218	775,262	707,139	1,014,533	980,710	961,503	10,137,749
4	Agriculture (PA/T-1)	8,219	7,313	4,818	5,690	6,216	6,607	7,401	8,665	10,126	10,846	9,813	10,080	95,793
5	Agriculture (PA-T-1)	12,178	18,425	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	223,629
6	Lighting	7,809	9,966	5,134	6,639	7,151	7,151	7,670	6,664	7,223	5,167	7,192	9,018	86,654
7	Sale for Resale	0.6	3.7	6.0	6.2	6.0	9.2	10.4	9.8	10.3	4.6	8.6	10.2	85.6
8	Total System	1,695,442	1,637,252	1,588,826	1,347,386	1,671,274	1,437,258	1,373,674	1,475,479	1,502,822	1,983,834	1,858,676	1,788,572	19,360,495
9														
10	Total System - EXCLUDING Sale for Resale	1,695,441	1,637,249	1,588,820	1,347,380	1,671,268	1,437,249	1,373,663	1,475,469	1,502,812	1,983,829	1,858,668	1,788,562	19,360,410
11														
12														
13														
14	INPUT FROM RECORDED SALES FILE:													
15	Medium & Large Details - Deliveries in MWh:													
16	Med. & Large Comm./Ind. (AD)	3,236	2,836	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	35,503
17	Med. & Large Comm./Ind. (excluding AD/AG-TOU)	850,829	805,161	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	9,316,750
18	Med. & Large Comm./Ind. (AG-TOU)	69,240	64,683	46,697	43,116	113,529	46,697	67,142	64,283	59,255	50,474	62,462	73,085	785,497
19	Total	923,305	872,680	747,841	649,818	993,226	792,514	719,218	775,262	707,139	1,014,533	980,710	961,503	10,137,749
20														
San Diego Gas & Electric Recorded Billing Determinants for the 12-Month Period: November 2015 - October 2016													Line No.	
System Delivery Determinants														
Line No.	Customer Class	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Total
21	Residential	585,653,853	581,904,317	664,376,743	543,082,395	483,028,859	468,678,753	461,031,166	493,971,979	599,836,777	697,278,056	625,433,244	580,238,774	6,784,514,916
22	Small Commercial	158,275,833	146,960,896	148,879,527	127,164,547	166,698,110	141,217,454	163,112,520	174,109,414	163,157,585	227,733,551	207,991,309	206,798,491	2,032,069,237
23	Med. & Large Comm./Ind.	923,305,048	872,679,609	747,841,029	649,817,813	993,225,866	792,514,297	719,217,827	775,262,101	707,139,305	1,014,533,341	980,710,494	961,502,662	10,137,749,392
24	Agriculture (PA)	8,219,097	7,312,575	4,817,571	5,690,443	6,216,244	6,606,906	7,400,513	8,665,392	10,125,605	10,845,610	9,813,280	10,080,259	95,793,495
25	Agriculture (PA-T-1)	12,178,160	18,424,971	17,771,793	14,985,880	15,076,911	21,080,329	15,231,588	16,796,304	15,329,178	28,271,694	27,557,858	20,923,979	223,628,645
26	Lighting	7,809,458	9,966,225	5,133,751	6,639,143	7,021,629	7,151,148	7,669,521	6,663,933	7,223,190	5,166,675	7,191,611	9,017,644	86,653,928
27	Sale for Resale	565	3,676	6,231	6,231	5,954	9,212	10,406	9,837	10,310	4,609	8,635	10,162	85,590
28	Total System	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	1,502,821,950	1,983,833,536	1,858,676,431	1,788,571,971	19,360,495,203
29														
30	Total System - EXCLUDING Sale for Resale	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	1,502,811,640	1,983,828,927	1,858,667,796	1,788,561,809	19,360,409,613
31														
32														
33	INPUT FROM RECORDED SALES FILE:													
34	Medium & Large Details - Deliveries in kWh:													
35	Med. & Large CI (AD)	3,235,947	2,835,982	2,818,323	2,499,849	2,995,481	2,694,897	2,560,035	2,714,533	2,829,660	3,384,925	3,705,642	3,227,454	35,502,728
36	Med. & Large CI (AL+AY+DGR)	850,828,748	805,160,671	698,325,779	604,202,341	876,701,174	718,289,117	649,516,258	708,264,082	645,054,431	960,674,487	914,542,534	885,190,271	9,316,749,893
37	Med. & Large CI (AG)	69,240,353	64,682,956	46,696,927	43,115,623	113,529,211	46,697,141	67,141,534	64,283,486	59,255,214	50,473,929	62,462,318	73,084,937	785,496,771
38	Total	923,305,048	872,679,609	747,841,029	649,817,813	993,225,866	792,514,297	719,217,827	775,262,101	707,139,305	1,014,533,341	980,710,494	961,502,662	10,137,749,392
39														
40														

Work Paper – 2
TACBAA Monthly Activities
Applicable
For the 12-Month Period Ending
October 31, 2016

San Diego Gas & Electric Company
TACBAA Monthly Activities Applicable
For the 12-Month Period Ending October 31, 2016
2017 TACBAA Rate Filing

Line No.	Description	November 2015	December 2015	January 2016	February 2016
1	Beginning Balance (Overcollection)/Undercollection	\$ 69,525,863	\$ 66,379,657	\$ 66,556,402	\$ 59,440,489
2					
3	TACBAA Refund				
4	Kwh	1,695,441,449	1,637,248,593	1,588,820,414	1,347,380,221
5	TACBAA Rate	\$ (0.01359)	\$ (0.01359)	\$ (0.01115)	\$ (0.00870)
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (23,041,049)	\$ (22,250,208)	\$ (17,707,404)	\$ (11,722,208)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(274,339)	(264,923)	(210,834)	(139,571)
8	Total TACBAA Refund	\$ (22,766,710)	\$ (21,985,285)	\$ (17,496,570)	\$ (11,582,637)
9					
10	Monthly ISO Charge Types (Revenues=Cr.) / Expenses=Dr.:				
11	CT 372 - HVAC Due ISO - Expense	\$ 18,718,633	\$ 15,311,617	\$ 16,475,695	\$ 16,644,273
12					
13	CT 374 - HVAC Due PTO - Revenues	(44,814,244)	(37,304,946)	(41,264,328)	(38,918,668)
14					
15	Total Monthly Related (Revenues)/Expenses:	\$ (26,095,611)	\$ (21,993,330)	\$ (24,788,632)	\$ (22,274,395)
16					
17					
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ (3,328,901)	\$ (8,045)	\$ (7,292,062)	\$ (10,691,758)
19					
20	Interest Expense Calculations:				
21	Beginning Balance for Interest Calculation	\$ 71,093,122	\$ 71,093,122	\$ 66,556,402	\$ 66,556,402
22	Monthly Activity Included in Interest Calculation Basis	(3,428,301)	(5,096,773)	(3,646,031)	(12,637,942)
23	Basis for Interest Expense Calculation	67,664,821	65,996,349	62,910,371	53,918,460
24	Monthly Interest Rate	0.27000%	0.28000%	0.28000%	0.26000%
25	Interest Expense	\$ 182,695	\$ 184,790	\$ 176,149	\$ 140,188
26					
27	Other Adjustment	-	-	-	-
28					
29	Ending Balance (Overcollection)/Undercollection	\$ 66,379,657	\$ 66,556,402	\$ 59,440,489	\$ 48,888,919
30					
31					
32	Franchise Fees & Uncollectible Adjustment:				
33	Franchise Fees Expense Rate	1.0310%	1.0310%	1.0310%	1.0310%
34	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
35	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2050%
36	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (23,041,049)	\$ (22,250,208)	\$ (17,707,404)	\$ (11,722,208)
37	Uncollectibles Included on Line 7 Above:				
38	Total Refunds/Collections Including Uncollectible Expense	\$ (23,041,049)	\$ (22,250,208)	\$ (17,707,404)	\$ (11,722,208)
39	Adjustment Factor to Convert Line B Above Before Uncollectible	1.012050	1.012050	1.012050	1.012050
40	Total Refunds/Collections Before Uncollectible Expense	\$ (22,766,710)	\$ (21,985,285)	\$ (17,496,570)	\$ (11,582,637)
41	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2050%
42	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (274,339)	\$ (264,923)	\$ (210,834)	\$ (139,571)
43	Difference	\$ -	\$ -	\$ -	\$ -

San Diego Gas & Electric Company
TACBAA Monthly Activities Applicable
For the 12-Month Period Ending October 31, 2016
2017 TACBAA Rate Filing

Line No.	Description	March 2016	April 2016	May 2016	June 2016
1	Beginning Balance (Overcollection)/Undercollection	\$ 48,888,919	\$ 43,891,598	\$ 38,838,536	\$ 34,108,847
2					
3	TACBAA Refund				
4	Kwh	1,671,267,619	1,437,248,887	1,373,663,135	1,475,469,123
5	TACBAA Rate	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (14,540,028)	\$ (12,504,065)	\$ (11,950,869)	\$ (12,836,581)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(173,121)	(148,880)	(142,293)	(152,839)
8	Total TACBAA Refund	\$ (14,366,907)	\$ (12,355,185)	\$ (11,808,576)	\$ (12,683,742)
9					
10	Monthly ISO Charge Types (Revenues=Cr.) / Expenses=Dr.:				
11	CT 372 - HVAC Due ISO - Expense	\$ 14,595,447	\$ 16,454,812	\$ 15,604,440	\$ 16,680,110
12					
13	CT 374 - HVAC Due PTO - Revenues	(34,088,502)	(33,978,719)	(32,247,991)	(34,249,229)
14					
15	Total Monthly Related (Revenues)/Expenses:	\$ (19,493,055)	\$ (17,523,907)	\$ (16,643,551)	\$ (17,569,119)
16					
17					
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ (5,126,148)	\$ (5,168,722)	\$ (4,834,975)	\$ (4,885,377)
19					
20	Interest Expense Calculations:				
21	Beginning Balance for Interest Calculation	\$ 66,556,402	\$ 43,891,598	\$ 43,891,598	\$ 43,891,598
22	Monthly Activity Included in Interest Calculation Basis	(20,546,895)	(2,584,361)	(7,586,210)	(12,446,385)
23	Basis for Interest Expense Calculation	46,009,507	41,307,237	36,305,388	31,445,213
24	Monthly Interest Rate	0.28000%	0.28000%	0.29000%	0.28000%
25	Interest Expense	\$ 128,827	\$ 115,660	\$ 105,286	\$ 88,047
26					
27	Other Adjustment	-	-	-	-
28					
29	Ending Balance (Overcollection)/Undercollection	\$ 43,891,598	\$ 38,838,536	\$ 34,108,847	\$ 29,311,517
30					
31					
32	Franchise Fees & Uncollectible Adjustment:				
33	Franchise Fees Expense Rate	1.0310%	1.0310%	1.0310%	1.0310%
34	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
35	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2050%
36	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (14,540,028)	\$ (12,504,065)	\$ (11,950,869)	\$ (12,836,581)
37	Uncollectibles Included on Line 7 Above:				
38	Total Refunds/Collections Including Uncollectible Expense	\$ (14,540,028)	\$ (12,504,065)	\$ (11,950,869)	\$ (12,836,581)
39	Adjustment Factor to Convert Line B Above Before Uncollectible	1.012050	1.012050	1.012050	1.012050
40	Total Refunds/Collections Before Uncollectible Expense	\$ (14,366,907)	\$ (12,355,185)	\$ (11,808,576)	\$ (12,683,742)
41	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2050%
42	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (173,121)	\$ (148,880)	\$ (142,293)	\$ (152,839)
43	Difference	\$ -	\$ -	\$ -	\$ -

San Diego Gas & Electric Company
TACBAA Monthly Activities Applicable
For the 12-Month Period Ending October 31, 2016
2017 TACBAA Rate Filing

Line No.	Description	July 2016	August 2016	September 2016	October 2016
1	Beginning Balance (Overcollection)/Undercollection	\$ 29,311,517	\$ 22,172,416	\$ 17,054,166	\$ 10,443,992
2					
3	TACBAA Refund				
4	Kwh	1,502,811,640	1,983,828,927	1,858,667,796	1,788,561,809
5	TACBAA Rate	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (13,074,461)	\$ (17,259,312)	\$ (16,170,410)	\$ (15,560,488)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(155,671)	(205,498)	(192,533)	(185,271)
8	Total TACBAA Refund	\$ (12,918,790)	\$ (17,053,814)	\$ (15,977,877)	\$ (15,375,217)
9					
10	Monthly ISO Charge Types (Revenues=Cr.) / Expenses=Dr.:				
11	CT 372 - HVAC Due ISO - Expense	\$ 19,002,674	\$ 21,440,468	\$ 22,030,790	\$ 18,675,945
12					
13	CT 374 - HVAC Due PTO - Revenues	(39,137,675)	(43,671,053)	(44,658,263)	(39,123,435)
14					
15	Total Monthly Related (Revenues)/Expenses:	\$ (20,135,001)	\$ (22,230,585)	\$ (22,627,473)	\$ (20,447,490)
16					
17					
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ (7,216,211)	\$ (5,176,771)	\$ (6,649,596)	\$ (5,072,273)
19					
20	Interest Expense Calculations:				
21	Beginning Balance for Interest Calculation	\$ 29,311,517	\$ 29,311,517	\$ 29,311,517	\$ 10,443,992
22	Monthly Activity Included in Interest Calculation Basis	(3,608,105)	(9,804,596)	(15,717,780)	(2,536,137)
23	Basis for Interest Expense Calculation	25,703,412	19,506,921	13,593,737	7,907,855
24	Monthly Interest Rate	0.30000%	0.30000%	0.29000%	0.30000%
25	Interest Expense	\$ 77,110	\$ 58,521	\$ 39,422	\$ 23,724
26					
27	Other Adjustment	-	-	-	-
28					
29	Ending Balance (Overcollection)/Undercollection	\$ 22,172,416	\$ 17,054,166	\$ 10,443,992	\$ 5,395,443
30					
31					
32	Franchise Fees & Uncollectible Adjustment:				
33	Franchise Fees Expense Rate	1.0310%	1.0310%	1.0310%	1.0310%
34	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
35	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2050%
36	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (13,074,461)	\$ (17,259,312)	\$ (16,170,410)	\$ (15,560,488)
37	Uncollectibles Included on Line 7 Above:				
38	Total Refunds/Collections Including Uncollectible Expense	\$ (13,074,461)	\$ (17,259,312)	\$ (16,170,410)	\$ (15,560,488)
39	Adjustment Factor to Convert Line B Above Before Uncollectible	1.012050	1.012050	1.012050	1.012050
40	Total Refunds/Collections Before Uncollectible Expense	\$ (12,918,790)	\$ (17,053,814)	\$ (15,977,877)	\$ (15,375,217)
41	Combined FF&U Adjustment Rate	1.2050%	1.2050%	1.2050%	1.2050%
42	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (155,671)	\$ (205,498)	\$ (192,533)	\$ (185,271)
43	Difference	\$ -	\$ -	\$ -	\$ -

San Diego Gas & Electric Company
TACBAA Monthly Activities Applicable
For the 12-Month Period Ending October 31, 2016
2017 TACBAA Rate Filing

Line No.	Description	Total	Reference	Line No.
1	Beginning Balance (Overcollection)/Undercollection	\$ 69,525,863	Previous Month's Balance	1
2				2
3	TACBAA Refund			3
4	Kwh	19,360,409,613	Work Paper No. 1; Page 1.1; Line 32	4
5	TACBAA Rate		TACBAA Rates; ER 15-679 (Nov & Dec 2015); ER16-550 (2016)	5
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (188,617,083)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(2,245,773)	See Line 42 Below	7
8	Total TACBAA Refund	\$ (186,371,310)	Line 6 / Line 39	8
9				9
10	Monthly ISO Charge Types (Revenues=Cr.) / Expenses=Dr.:			10
11	CT 372 - HVAC Due ISO - Expense	\$ 211,634,904	CT 372 - HVAC Due ISO	11
12				12
13	CT 374 - HVAC Due PTO - Revenues	(463,457,054)	CT 374 - HVAC Due PTO	13
14				14
15	Total Monthly Related (Revenues)/Expenses:	\$ (251,822,149)	Sum Lines 11 through 13	15
16				16
17				17
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ (65,450,839)	Minus Line 8 + Line 15	18
19				19
20	Interest Expense Calculations:			20
21	Beginning Balance for Interest Calculation		Beginning Quarterly Balances	21
22	Monthly Activity Included in Interest Calculation Basis		Interest Calculation Basis	22
23	Basis for Interest Expense Calculation		Line 21 + Line 22	23
24	Monthly Interest Rate		FERC Monthly Rates	24
25	Interest Expense	\$ 1,320,419	Line 23 x Line 24	25
26				26
27	Other Adjustment	-	Other Adjustment	27
28				28
29	Ending Balance (Overcollection)/Undercollection	\$ 5,395,443	Line 1 + Line 18 + Line 25 + Line 27	29
30				30
31				31
32	<u>Franchise Fees & Uncollectible Adjustment:</u>			32
33	Franchise Fees Expense Rate			33
34	Uncollectible Expense Adjustment Rate			34
35	Combined FF&U Adjustment Rate		Franchise Fees & Uncollectible Rate	35
36	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles		See Line 6 Above	36
37	Uncollectibles Included on Line 7 Above:			37
38	Total Refunds/Collections Including Uncollectible Expense		See Line 36 Above	38
39	Adjustment Factor to Convert Line B Above Before Uncollectible		100% + Line 35	39
40	Total Refunds/Collections Before Uncollectible Expense		Line 38 / Line 39	40
41	Combined FF&U Adjustment Rate		See Line 35 Above	41
42	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (2,245,773)	Line 40 x Line 41	42
43	Difference	\$ -		43

Work Paper – 3
Projected Change for the Remaining
Months of the Year
(November & December 2016)

San Diego Gas & Electric Company
2017 TACBAA Rate Filing
Projected Change for the Remaining Months of the Year (November & December 2016)

Line No.	Description	Actual	Forecast	Total	Reference	Line No.
		November 2016	December 2016			
1	Beginning Balance (Overcollection)/Undercollection	\$ 5,395,443	\$ (817,176)	\$ 5,395,443	Previous Month's Balance	1
2						2
3	TACBAA Refund					3
4	Kwh	1,582,439,387	1,665,933,312	3,248,372,699	Recorded Sale in Nov; Forecast Sale in Dec 2016 (Page 3.2, Line 32)	4
5	TACBAA Rate	\$ (0.00870)	\$ (0.00870)		TACBAA Rates; ER16-550-000	5
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (13,767,223)	\$ (14,493,620)	\$ (28,260,843)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(163,920)	(172,569)	(336,489)	See Line 45 Below	7
8	Total TACBAA Refund	\$ (13,603,303)	\$ (14,321,051)	\$ (27,924,354)	Line 6 / Line 41	8
9						9
10	Monthly ISO Charge Types (Revenues=Cr.)/Expenses=Dr.:					10
11	CT 372 - HVAC Due ISO - Expense	\$ 18,390,055	\$ 18,167,220	\$ 36,557,275	Estimated CT 372 - HVAC Due ISO	11
12						12
13	CT 374 - HVAC Due PTO - Revenues	(38,212,537)	(32,660,384)	(70,872,921)	Estimated CT 374 - HVAC Due PTO	13
14						14
15	Total Monthly Related (Revenues)/Expenses:	\$ (19,822,482)	\$ (14,493,164)	\$ (34,315,646)	Sum Lines 11 through 13	15
16						16
17						17
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ (6,219,179)	\$ (172,113)	\$ (6,391,292)	Minus Line 8 + Line 15	18
19						19
20	Interest Expense Calculations:					20
21	Beginning Balance for Interest Calculation	\$ 10,443,992	\$ 10,443,992		Beginning Quarterly Balances	21
22	Monthly Activity Included in Interest Calculation Basis	(8,181,863)	(11,377,509)		Interest Calculation Basis	22
23	Basis for Interest Expense Calculation	2,262,129	(933,517)		Line 21 + Line 22	23
24	Monthly Interest Rate	0.29000%	0.30000%		FERC Monthly Rates	24
25	Interest Expense	\$ 6,560	\$ (2,801)	\$ 3,759	Line 23 x Line 24	25
26						26
27	Other Adjustment			-	Other Adjustment	27
28						28
29	Estimated Ending Balance (Overcollection)/Undercollection Forecast	\$ (817,176)	\$ (992,090)	\$ (992,090)	Line 1 + Line 18 + Line 25 + Line 27	29
30						30
31						31
32	Net Monthly Activity Forecast	\$ (6,212,619)	\$ (174,914)	\$ (6,387,533)	Line 18 + Line 25	32
33						33
34						34
35	Franchise Fees & Uncollectible Adjustment:					35
36	Franchise Fees Expense Rate	1.0310%	1.0310%			36
37	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%			37
38	Combined FF&U Adjustment Rate	1.2050%	1.2050%		Franchise Fees & Uncollectible Rate	38
39	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$ (13,767,223)	\$ (14,493,620)		See Line 6 Above	39
40	Uncollectibles Included on Line 7 Above:					40
41	Total Refunds/Collections Including Uncollectible Expense	\$ (13,767,223)	\$ (14,493,620)		See Line 39 Above	41
42	Adjustment Factor to Convert Line B Above Before Uncollectible	1.012050	1.012050		100% + Line 38	42
43	Total Refunds/Collections Before Uncollectible Expense	\$ (13,603,303)	\$ (14,321,051)		Line 41 / Line 42	43
44	Combined FF&U Adjustment Rate	1.2050%	1.2050%		See Line 38 Above	44
45	Franchise Fees & Uncollectible Expense Adjustment ¹	\$ (163,920)	\$ (172,569)	\$ (336,489)	Line 43 x Line 44	45
46	Difference	\$ -	\$ -	\$ -		46

San Diego Gas & Electric Forecast Billing Determinants for the 12-Month Period: January 2016 - December 2016 ¹														
Line No.	System Delivery Determinants	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
1	Customer Class Deliveries (MWh)	727,420	636,792	609,933	558,437	552,577	580,784	666,573	682,833	758,416	633,833	595,422	678,356	7,681,377
3	Residential	160,332	153,698	151,746	147,213	150,465	157,808	172,588	171,202	184,873	164,655	154,757	156,347	1,925,682
4	Med. & Large Comm./Ind.	806,964	782,042	771,005	775,708	804,428	835,840	899,709	881,327	951,387	858,675	829,663	802,076	9,998,822
5	Agriculture (PA)	4,580	4,635	4,677	5,633	6,827	8,291	9,298	9,161	9,770	8,158	6,725	5,407	83,162
6	Agriculture (PA-T-1)	14,439	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349
7	Lighting	7,898	7,502	7,495	7,315	7,356	7,633	7,736	7,360	7,738	7,429	7,543	7,827	90,832
8	Sale for Resale	3.2	3.1	3.1	3.0	3.0	3.1	3.2	3.0	3.2	3.1	3.1	3.2	37.3
9	Total System	1,721,620	1,599,010	1,559,171	1,510,609	1,541,348	1,613,144	1,781,128	1,776,122	1,937,643	1,694,614	1,612,917	1,665,936	20,013,263
11	Total System - EXCLUDING Sale for Resale	1,721,617	1,599,007	1,559,167	1,510,606	1,541,345	1,613,141	1,781,124	1,776,119	1,937,640	1,694,611	1,612,914	1,665,933	20,013,226
12														
13														
14	INPUT FROM FORECAST:													
15	Medium & Large Details - Deliveries in MWH:													
16	Med & Large C/I (AD)	2,950	2,922	2,944	2,825	2,916	3,034	3,173	3,208	3,517	3,117	2,884	2,791	36,281
17	Med & Large C/I (AL+AY+DGR)	739,542	723,493	716,290	714,398	738,747	773,852	830,532	815,255	878,846	794,472	733,309	733,309	9,217,117
18	Med & Large C/I (A6)	64,472	55,627	51,771	58,484	62,765	58,954	66,003	62,864	69,024	61,179	68,307	65,975	745,424
19	Total	806,964	782,042	771,005	775,708	804,428	835,840	899,709	881,327	951,387	858,675	829,663	802,076	9,998,822
20														
21	System Delivery Determinants													
22	Customer Class Deliveries (kWh)	727,419,849	636,792,165	609,933,415	558,437,152	552,577,446	580,784,274	666,573,134	682,833,044	758,415,886	633,833,086	595,422,269	678,355,670	7,681,377,391
23	Residential	160,331,520	153,697,926	151,745,769	147,213,246	150,465,496	157,807,522	172,587,689	171,201,558	184,872,950	164,655,053	154,757,034	156,346,731	1,925,682,495
24	Med. & Large Comm./Ind.	806,963,765	782,041,552	771,005,238	775,707,508	804,427,595	835,839,811	899,708,532	881,327,324	951,386,527	858,675,091	829,663,454	802,075,681	9,998,822,077
25	Agriculture (PA)	4,580,174	4,634,909	4,677,383	5,633,199	6,826,506	8,290,769	9,298,378	9,160,827	9,770,347	8,157,777	6,724,985	5,406,853	83,162,105
26	Agriculture (PA-T-1)	14,423,292	14,338,852	14,310,957	16,299,756	19,692,252	22,786,463	25,220,539	24,236,237	25,455,368	21,861,203	18,802,814	15,921,635	233,349,370
27	Lighting	7,898,431	7,501,561	7,494,706	7,315,289	7,355,977	7,632,508	7,736,164	7,360,012	7,738,471	7,429,144	7,543,424	7,826,742	90,832,430
28	Sale for Resale	3,249	3,068	3,090	3,014	3,037	3,149	3,197	3,020	3,179	3,033	3,062	3,177	37,274
29	Total System	1,721,620,279	1,599,010,033	1,559,170,558	1,510,609,164	1,541,348,309	1,613,144,496	1,781,127,633	1,776,122,022	1,937,642,729	1,694,614,387	1,612,917,043	1,665,936,489	20,013,263,143
30	Total System - EXCLUDING Sale for Resale	1,721,617,031	1,599,006,965	1,559,167,468	1,510,606,150	1,541,345,272	1,613,141,347	1,781,124,436	1,776,119,002	1,937,639,550	1,694,611,354	1,612,913,981	1,665,933,312	20,013,225,869
31														
32														
33	INPUT FROM FORECAST:													
34	Medium & Large Details - Deliveries in kWh:													
35	Med & Large C/I (AD)	2,949,549	2,921,750	2,944,397	2,825,445	2,915,875	3,034,062	3,172,918	3,208,262	3,516,575	3,116,800	2,884,310	2,791,130	36,281,074
36	Med & Large C/I (AL+AY+DGR)	739,542,416	723,492,779	716,290,337	714,398,097	738,746,887	773,852,170	830,532,471	815,254,755	878,846,228	794,471,881	733,309,323	733,309,323	9,217,117,035
37	Med & Large C/I (A6)	64,471,800	55,627,023	51,770,504	58,483,966	62,764,832	58,953,579	66,003,143	62,864,307	69,023,724	61,178,600	68,307,263	65,975,228	745,423,968
38	Total	806,963,765	782,041,552	771,005,238	775,707,508	804,427,595	835,839,811	899,708,532	881,327,324	951,386,527	858,675,091	829,663,454	802,075,681	9,998,822,077
39														
40														
1	The 2016 forecast sales information comes from Docket No. ER16-550-000 filed on December 17, 2015.													

Work Paper – 4
Forecasted Net Access Charge Billings

San Diego Gas & Electric Co.
January 1, 2017 Forecasted Net Access Charge Billings
Based on Filed Annual TRR/TRBA and Load Data

TAC Components:		Filed Annual TRR	Filed Annual Gross Load (MWh)	HV Utility Specific Rate (\$/MWH)	TAC Rate (\$/MWH)	TAC Amount	Net TAC (Benefit)/Burden Amount	Line No
Line No	(\$)	[2]	[3]	[4]	(\$)	(\$)	(\$)	
	[1]		= [1] / [2]	= total [1] / total [2]	= ([5] - [1])			
1	\$ 632,054,543	87,430,657	\$ 7.2292	\$ 11.4445	\$ 1,000,599,003	\$ 368,544,460	1	
2	\$ 1,030,478,735	88,983,449	\$ 11.5806	\$ 11.4445	\$ 1,018,369,911	\$ (12,108,824)	2	
3	\$ 404,386,165	20,467,098	\$ 19.7579	\$ 11.4445	\$ 234,235,434	\$ (170,150,731)	3	
4	\$ 29,372,296	2,507,620	\$ 11.7132	\$ 11.4445	\$ 28,698,424	\$ (673,872)	4	
5	\$ 3,163,102	257,416	\$ 12.2879	\$ 11.4445	\$ 2,945,994	\$ (217,108)	5	
6	\$ 1,274,841	144,652	\$ 8.8132	\$ 11.4445	\$ 1,655,468	\$ 380,627	6	
7	\$ 15,039,959	1,120,049	\$ 13.4279	\$ 11.4445	\$ 12,818,386	\$ (2,221,573)	7	
8	\$ 35,543,842	2,180,985	\$ 16.2972	\$ 11.4445	\$ 24,960,254	\$ (10,583,588)	8	
9	\$ 2,985,548	1,181,728	\$ 2.5264	\$ 11.4445	\$ 13,524,271	\$ 10,538,723	9	
10	\$ 25,457,786	-	\$ -	\$ 11.4445	\$ 0	\$ (25,457,786)	10	
11	\$ 3,224,199	-	\$ -	\$ 11.4445	\$ 0	\$ (3,224,199)	11	
12	\$ 139,329,179	-	\$ -	\$ 11.4445	\$ 0	\$ (139,329,179)	12	
13	\$ 10,573,065	-	\$ -	\$ 11.4445	\$ 0	\$ (10,573,065)	13	
14	\$ 3,485,980	372,179	\$ 9.3664	\$ 11.4445	\$ 4,259,398	\$ 773,417	14	
15	\$ 11,934,204	544,970	\$ 21.8988	\$ 11.4445	\$ 6,236,902	\$ (5,697,302)	15	
16	\$ 2,348,303,445	205,190,803	\$	\$	\$ 2,348,303,445	\$ (50)	16	
17							17	

Work Paper – 5
CAISO PTO HVTRR Input Form

San Diego Gas & Electric Co.				
2017 Forecasted Net Access Charge Billings				
HIGH VOLTAGE AND LOW VOLTAGE COMPONENTS			Info Only	
PTO	Total HV Filed TRR	Total LV Filed TRR	Combined TRR	
PG&E	Base TRR	772,911,383	932,729,484	1,705,640,867
	TRBAA	(137,154,623)	(53,259,629)	(190,414,252)
	Standby Credit	(3,702,217)	(4,376,889)	(8,079,106)
	Total	632,054,543	875,092,966	1,507,147,509
	Gross Load	87,430,657	87,430,657	87,430,657
	Utility Specific Access Charges (\$/MWh)	7.2292	10.0090	17.2382
	TRR - Eff. Date - Docket#	3/1/2017 ER16-2320 (TO18)		
	TRBA - Eff. Date - Docket#	1/1/2017 ER17-39		
SCE	Base TRR	1,146,928,287	35,653,241	1,182,581,528
	TRBAA	(109,723,089)	(645,667)	(110,368,756)
	Standby Credit	(6,726,463)	(209,098)	(6,935,561)
	Total	1,030,478,735	34,798,476	1,065,277,211
	Gross Load	88,983,449	88,983,449	88,983,449
	Utility Specific Access Charges (\$/MWh)	11.5806	0.3911	11.9716
	TRR - Eff. Date - Docket#	1/1/2017 ER11-3697 (TO11)		
	TRBA - Eff. Date - Docket#	1/1/2017 ER17-250		
SDG&E	Base TRR	443,405,000	257,267,000	700,672,000
	TRBAA	(31,191,079)	(1,923,958)	(33,115,037)
	Standby Credit	(7,827,756)	(4,541,724)	(12,369,480)
	Total	404,386,165	250,801,318	655,187,483
	Gross Load	20,467,098	20,467,098	20,467,098
	Utility Specific Access Charges (\$/MWh)	19.7579	12.2539	32.0117
	TRR - Eff. Date - Docket#	1/1/2017 - ER17-470		
	TRBA - Eff. Date - Docket#	1/1/2017 - ER17-279		
Vernon	Base TRR	3,033,164		3,033,164
	TRBAA	(47,616)		(47,616)
	Standby Credit	-		-
	Total	2,985,548		2,985,548
	Gross Load	1,181,728		1,181,728
	Utility Specific Access Charges (\$/MWh)	2.5264		2.5264
	TRR - Eff. Date - Docket#	1/1/2017 NJ17-3		
	TRBA - Eff. Date - Docket#	1/1/2017 NJ17-3		
Anaheim	Base TRR	30,000,000		30,000,000
	TRBAA	(627,704)		(627,704)
	Standby Credit	-		-
	Total	29,372,296		29,372,296
	Gross Load	2,507,620		2,507,620
	Utility Specific Access Charges (\$/MWh)	11.7132		11.7132
	TRR - Eff. Date - Docket#	7/1/2011 ER11-3594		
	TRBA - Eff. Date - Docket#	1/1/2016 NJ16-5		

San Diego Gas & Electric Co.			
2017 Forecasted Net Access Charge Billings			
HIGH VOLTAGE AND LOW VOLTAGE COMPONENTS			Info Only
PTO	Total HV Filed TRR	Total LV Filed TRR	Combined TRR
Azusa	Base TRR	3,207,437	3,207,437
	TRBAA	(44,335)	(44,335)
	Standby Credit	-	-
	Total	3,163,102	3,163,102
	Gross Load	257,416	257,416
	Utility Specific Access Charges (\$/MWh)	12.2879	12.2879
	TRR - Eff. Date - Docket#	1/1/2015 NJ15-10	
	TRBA - Eff. Date - Docket#	1/1/2016 NJ16-7	
	Banning	Base TRR	1,296,907
TRBAA		(22,066)	(22,066)
Standby Credit		-	-
Total		1,274,841	1,274,841
Gross Load		144,652	144,652
Utility Specific Access Charges (\$/MWh)		8.8132	8.8132
TRR - Eff. Date - Docket#		1/1/2016 NJ16-4	
TRBA - Eff. Date - Docket#		1/1/2016 NJ16-4	
Pasadena		Base TRR	15,168,702
	TRBAA	(128,743)	(128,743)
	Standby Credit	-	-
	Total	15,039,959	15,039,959
	Gross Load	1,120,049	1,120,049
	Utility Specific Access Charges (\$/MWh)	13.4279	13.4279
	TRR - Eff. Date - Docket#	11/21/2016 ER17-392	
	TRBA - Eff. Date - Docket#	1/1/2017 NJ17-4	
	Riverside	Base TRR	35,792,333
TRBAA		(248,491)	(248,491)
Standby Credit		-	-
Total		35,543,842	35,543,842
Gross Load		2,180,985	2,180,985
Utility Specific Access Charges (\$/MWh)		16.2972	16.2972
TRR - Eff. Date - Docket#		1/1/2017 NJ17-5	
TRBA - Eff. Date - Docket#		1/1/2017 NJ17-5	
DATC Path 15		Base TRR	25,925,000
	TRBAA	(467,214)	(467,214)
	Standby Credit	-	-
	Total	25,457,786	25,457,786
	Gross Load	-	-
	Utility Specific Access Charges (\$/MWh)	0.0000	0.0000
	TRR - Eff. Date - Docket#	05/17/2014 ER14-1332	
	TRBA - Eff. Date - Docket#	1/1/2017 ER17-271	

San Diego Gas & Electric Co.			
2017 Forecasted Net Access Charge Billings			
HIGH VOLTAGE AND LOW VOLTAGE COMPONENTS			Info Only
PTO	Total HV Filed TRR	Total LV Filed TRR	Combined TRR
Startrans IO	Base TRR	3,330,000	3,330,000
	TRBAA	(105,801)	(105,801)
	Standby Credit	-	-
	Total	3,224,199	3,224,199
	Gross Load	-	-
	Utility Specific Access Charges (\$/MWh)	0.0000	0.0000
	TRR - Eff. Date - Docket#	1/6/2016 ER16-2192	
	TRBA - Eff. Date - Docket#	1/1/2017 ER17-272	
	Trans Bay Cable	Base TRR	142,295,254
TRBAA		(2,966,075)	(193,330)
Standby Credit		-	-
Total		139,329,179	10,681,765
Gross Load		-	-
Utility Specific Access Charges (\$/MWh)		0.0000	0.0000
TRR - Eff. Date - Docket#		11/23/2016 ER16-2632	
TRBA - Eff. Date - Docket#		1/1/2016 ER16-555	
Citizens Sunrise		Base TRR	10,808,380
	TRBAA	(235,315)	-
	Standby Credit	-	-
	Total	10,573,065	-
	Gross Load	-	-
	Utility Specific Access Charges (\$/MWh)	0.0000	0.0000
	TRR - Eff. Date - Docket#	6/1/2016 ER16-1787	
	TRBA - Eff. Date - Docket#	1/1/2017 ER17-148	
	Colton	Base TRR	3,500,466
TRBAA		(14,485)	-
Standby Credit		-	-
Total		3,485,980	-
Gross Load		372,179	-
Utility Specific Access Charges (\$/MWh)		9.3664	0.0000
TRR - Eff. Date - Docket#		1/1/2015 NJ15-9	
TRBA - Eff. Date - Docket#		1/1/2016 NJ16-6	
VEA		Base TRR	10,886,590
	TRBAA	1,047,614	-
	Standby Credit	-	-
	Total	11,934,204	3,413,410
	Gross Load	544,970	544,970
	Utility Specific Access Charges (\$/MWh)	21.8988	6.2635
	TRR - Eff. Date - Docket#	1/1/2013 ER13-49	
	TRBA - Eff. Date - Docket#	1/1/2016 ER16-648	

San Diego Gas & Electric Co.				
2017 Forecasted Net Access Charge Billings				
HIGH VOLTAGE AND LOW VOLTAGE COMPONENTS			Info Only	
PTO	Total HV Filed TRR	Total LV Filed TRR	Combined TRR	
For Information Only				
Total CAISO Grid	Base TRR	2,648,488,903	1,239,938,230	3,888,427,133
	TRBAA	(281,929,022)	(56,022,584)	(337,951,606)
	Standby Credit	(18,256,436)	(9,127,711)	(27,384,147)
	Total	2,348,303,445	1,174,787,935	3,523,091,380
	Gross Load	205,190,803		
	Utility Specific Access Charges (\$/MWh)	11.4445		