

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

San Diego Gas & Electric Company

Docket No. ER19- -000

**ANNUAL UPDATE FILING OF THE
TRANSMISSION ACCESS CHARGE
BALANCING ACCOUNT ADJUSTMENT
(TACBAA)**

December 7, 2018



Christopher M. Lyons
Senior Counsel
8330 Century Park Court, CP32D
San Diego, CA 92123
Tel: 858-654-1559
Fax: 619-699-5027
clyons@semprautilities.com

December 7, 2018

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

**Re: San Diego Gas & Electric Company, 2019 Annual TACBAA Rate Revision,
Docket No. ER19-____-000**

Dear Ms. Bose:

Pursuant to Section 35.13 of the regulations of the Federal Energy Regulatory Commission (“FERC” or “Commission”), 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, 2019.³

The documents submitted with this filing are listed in Section V 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 (“PTO”) under the CAISO Tariff is recovered from or returned to SDG&E’s end-use customers. Section 5.6 of SDG&E’s TO Tariff describes items to

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

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

³ SDG&E’s most recent annual TACBAA update filing was accepted by the Commission effective January 1, 2018, in Docket No. ER18-416-000, by delegated letter order dated February 2, 2018.

be included in 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, 2018, an annual forecast of the Net 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, 2018	\$18,634,291
Forecasted Net Access Charge Billings	(\$284,173,237)
Franchise Fees/Uncollectibles	<u>(\$3,190,982)</u>
Total TACBAA	<u>(\$268,729,928)</u>

The final 2019 TACBAA is a credit to end-use customers of approximately \$268.7 million. This is roughly \$39.0 million less than the 2018 TACBAA credit to end-use Customers of about \$307.7 million. This difference is primarily due to the following:

- 1) In the prior TACBAA rate filing, the estimated December 31, 2017 balance consisted of an over-collection of approximately \$34.1 million. As reflected above, the estimated December 31, 2018 balance consists of an under-collection totaling approximately \$18.6 million, a change of about \$52.7 million. This difference exists because the combined actual Net Access Charge Billings received from the CAISO in 2018 plus the remaining 2018 forecast is less than the amount in the prior TACBAA rate filing.
- 2) Additionally, the 2019 Net Access Charge Billings estimate is approximately \$14.2 million greater than the prior year's forecast resulting primarily from updated 2019 High Voltage Transmission Revenue Requirements for each of the CAISO Participating Transmission Owners.

To pass through this credit, SDG&E is proposing a 2019 TACBAA rate of (\$0.01427) per kWh, compared to the current rate of (\$0.01614) per kWh.

Ordinarily, SDG&E submits its TACBAA update in December of each year so that the TACBAA rate reflects the most recent Base Transmission Revenue Requirement that SDG&E files annually under its TO formula rate tariff, and so that it can update the rates reflected in the Transmission Access Charge ("TAC") rate input form that are based on CAISO market participants' informational TO tariff filings. In calculating the TAC rate, CAISO uses each PTO's FERC-approved High Voltage Transmission Revenue Requirement. This year, SDG&E has filed a new TO formula rate tariff (the TO5 Formula) in Docket No. ER19-221. Since the Commission has not yet acted on that TO5 Formula rate tariff filing, SDG&E used the FERC-approved High Voltage Base Transmission Revenue Requirements ("HV-BTRR") from its prior cycle informational filing (TO4 Cycle 5) in Docket No. ER18-358 to derive the appropriate

TACBAA credit to customers for the 2019 rate effective period. SDG&E has used this approach out of an abundance of caution and so as to avoid incurring an under-collection that it will later have to collect from customers. If the Commission approves a HV-BTRR in 2019 that is different than what is in effect under TO4 Cycle 5, the corresponding over- or under-collection resulting from the CAISO's TAC mechanism will be reflected in the TACBAA filing SDG&E submits next year.

II. 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, 2019. 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 1,⁴ 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, 2018 or as outlined above.

III. 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 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 it has made copies of this letter and all

⁴ In addition to the rate changes requested with this filing and the annual TRBAA filing, 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.

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.

IV. 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:

Christopher M. Lyons
Senior Counsel
San Diego Gas & Electric Company
8330 Century Park Court, CP32D
San Diego, California 92123
Tel. (858) 654-1559
E-mail: clyons@semprautilities.com

Charles R. Manzuk
Director – GRC & Revenue Requirements
San Diego Gas & Electric Company
8330 Century Park Court, CP31E
San Diego, California 92123
Tel. (858) 654-1782
E-mail: cmanzuk@semprautilities.com

William Fuller
Regulatory Case Manager
San Diego Gas & Electric Company
8330 Century Park Court, CP32D
San Diego, California 92123
Tel. (858) 654-1885
E-mail: wfuller@semprautilities.com

V. LIST OF DOCUMENTS SUBMITTED

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

- A. Revised TO Tariff sections conformed version
- B. Revised TO Tariff sections redline version
- C. TACBAA Cost Statements and Related Work Papers

VI. CONCLUSION

SDG&E respectfully requests that the Commission accepts and approves the rate and tariff changes tendered herewith, effective January 1, 2019.

Respectfully submitted,

/s/ Christopher M. Lyons

Christopher M. Lyons

Attorney For

SAN DIEGO GAS & ELECTRIC COMPANY

December 7, 2018

Enclosures

CERTIFICATE OF SERVICE

I hereby certify that on this 7th day of December, 2018, I caused the foregoing to be served by overnight delivery upon the following:

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

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

Dated at San Diego, California, this 7th day of December, 2018.

/s/ Jenny Norin

8330 Century Park Court, CP32D
San Diego, California 92123
Phone: (858) 654-1716

San Diego Gas & Electric Company
2019 TACBAA Filing

Attachment – A

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

ER19-_____ - _____

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 (\$0.01427) per kilowatt-hour shall be billed to all SDG&E End-User Customers.

San Diego Gas & Electric Company
2019 TACBAA Filing

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

ER19-_____ - _____

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

~~(\$0.01614)~~ (\$0.01427) per kilowatt-hour shall be billed to all SDG&E End-User

Customers.

San Diego Gas & Electric Company
2019 TACBAA Rate Filing

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

ER19-____-000

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

	<u>Page No.</u>
A. Statement BD – Allocation Energy and Supporting Data	1 - 6
B. Statement BG – Revenue Data to Reflect Changed Rates	7- 11
C. Statement BH – Revenue Data to Reflect Present Rates	12 - 15
D. Statement BK – Derivation of Retail TACBAA	16 - 17
E. Statement BL – Retail TACBAA Rate Calculation	18 - 19
F. TACBAA Work Papers:	20
1. WP-1 Recorded and Forecast Sales Information	21 – 23
2. WP-2 Monthly TACBAA Detailed Balances Thru Oct 2018	24 – 28
3. WP-3 Projected Change for the Remaining Months (Nov & Dec 2018)	29 - 31
4. WP-4 Forecasted Net Access Charge Billings	32 - 33
5. WP-5 CAISO PTO HVTRR Input Form	34 – 38

San Diego Gas & Electric Company

Attachment – C (Cont'd)

A. Statement BD - Allocation Energy and Supporting Data

ER19-_____-000

Statement BD
San Diego Gas & Electric Company
2019 - 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	Nov-17	1,547,877,183	10,966	1,547,866,217		Workpaper No. 1; Page 1.1; Lines 30; 29	1
2	Dec-17	1,547,102,713	9,822	1,547,092,891		Workpaper No. 1; Page 1.1; Lines 30; 29	2
3	Jan-18	1,536,307,324	9,236	1,536,298,088		Workpaper No. 1; Page 1.1; Lines 30; 29	3
4	Feb-18	1,366,497,634	-	1,366,497,634		Workpaper No. 1; Page 1.1; Lines 30; 29	4
5	Mar-18	1,448,559,840	18,089	1,448,541,751		Workpaper No. 1; Page 1.1; Lines 30; 29	5
6	Apr-18	1,356,605,099	7,177	1,356,597,922		Workpaper No. 1; Page 1.1; Lines 30; 29	6
7	May-18	1,384,094,183	12,841	1,384,081,342		Workpaper No. 1; Page 1.1; Lines 30; 29	7
8	Jun-18	1,579,596,521	13,563	1,579,582,958		Workpaper No. 1; Page 1.1; Lines 30; 29	8
9	Jul-18	1,657,708,041	14,549	1,657,693,492		Workpaper No. 1; Page 1.1; Lines 30; 29	9
10	Aug-18	1,951,442,937	17,482	1,951,425,455		Workpaper No. 1; Page 1.1; Lines 30; 29	10
11	Sep-18	1,892,223,404	15,739	1,892,207,665		Workpaper No. 1; Page 1.1; Lines 30; 29	11
12	Oct-18	1,561,413,259	12,822	1,561,400,437		Workpaper No. 1; Page 1.1; Lines 30; 29	12
13							13
14							14
15	Total	18,829,428,138	142,286	18,829,285,852		Sum Lines 1 thru 12	15

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

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

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
2019 - TACBAA Rate Filing
January 2019 - December 2019¹
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-19	1,518,301	13	1,518,288	1,580,993	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	1
2	Feb-19	1,407,897	13	1,407,884	1,466,030	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	2
3	Mar-19	1,378,724	13	1,378,711	1,435,652	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	3
4	Apr-19	1,359,704	13	1,359,692	1,415,847	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	4
5	May-19	1,385,017	13	1,385,004	1,442,205	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	5
6	Jun-19	1,463,399	13	1,463,386	1,523,824	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	6
7	Jul-19	1,623,547	13	1,623,534	1,690,586	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	7
8	Aug-19	1,653,311	13	1,653,298	1,721,579	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	8
9	Sep-19	1,815,710	13	1,815,697	1,890,686	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	9
10	Oct-19	1,620,963	13	1,620,950	1,687,896	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	10
11	Nov-19	1,483,854	13	1,483,841	1,545,124	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	11
12	Dec-19	1,500,447	13	1,500,435	1,562,402	Cols. A to C, WP No. 1; Page 1.2; Lines 10, 9 & 12	12
13							13
14	Total	18,210,874	154	18,210,720	18,962,823	Sum Lines 1 thru 12	14
15							15
16	Retail Sales Forecast @ Meter Level			18,210,720		Col. C; Line 14	16
17							17
18	Transmission Loss Factor ²	38,381,220	39,967,767	1.0413		Column B / Column A	18
19							19
20							20
21	Retail Sales Forecast @ Transmission Level				18,962,823	Col. D; Line 14	21
22							22
23							23
24	Lake Hodges Pumped Storage Facility ³				50,469	Statement BD WP; Page 4 of 5	24
25							25
26	Pumped Storage True Up Adjustment				43,851	Statement BD WP; Page 5 of 5	26
27							27
28	Total Gross Load Forecast				19,057,144	Sum Lines 22 thru 26	28

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

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

The 1.0413 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 2019 - December 2019
MWH SALES FORECAST @ Transmission Level

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

Primary Level Distribution Loss Factor 1.0110

Total Lake Hodges Pumping Load 50,469

Statement BD
SAN DIEGO GAS AND ELECTRIC COMPANY
Allocation Energy and Supporting Data
Lake Hodges Pumping Load Adjustment Mechanism
For the 12-Month Base & True Up Period Ending December 31, 2017

Line No.	Description	Amount	Reference	Line No.
1	Pumped Storage Facility - Actual Load	81,194		1
2	Pumped Storage Facility - Forecast Load	<u>37,820</u>		2
3	Difference	43,374	Line 1 Minus Line 2	3
4	Primary Level Distribution Loss Factor	<u>1.0110</u>		4
5	Pumped Storage - True Up Adjustment¹	43,851	Line 3 x Line 4	5

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

San Diego Gas & Electric Company

Attachment C – (Cont'd)

B. Statement BG - Revenue Data to Reflect Changed Rates

ER19-____-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, 2019

Line No.	Customer Classes	(A)	(B)	(C) = (A) - (B)	(D) = (C) / (B)	Reference	Line No.
		(Statement BG) 2019 TACBAA Revenues @ Changed Rates	(Statement BH) 2019 TACBAA Revenues @ Present Rates ¹	(\$) Change	(%) Change		
1	Residential	\$ (87,117,815)	\$ (98,534,095)	\$ 11,416,280	-11.59%	Statement BG; Page 2 of 4; Line 14	1
2						Statement BH; Page 1 of 3; Line 14	2
3	Small Commercial	\$ (32,285,113)	\$ (36,515,888)	4,230,775	-11.59%	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	\$ (134,718,288)	\$ (152,372,331)	17,654,043	-11.59%	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)	\$ (1,366,601)	\$ (1,545,686)	179,085	-11.59%	Statement BG; Page 2 of 4; Line 20	7
8						Statement BH; Page 1 of 3; Line 20	8
9	Agriculture (PA-T-1)	\$ (3,237,747)	\$ (3,662,034)	424,288	-11.59%	Statement BG; Page 2 of 4; Line 22	9
10						Statement BH; Page 1 of 3; Line 22	10
11	Street Lighting	\$ (1,141,415)	\$ (1,290,991)	149,576	-11.59%	Statement BG; Page 2 of 4; Line 24	11
12						Statement BH; Page 1 of 3; Line 24	12
13	Grand Total	\$ (259,866,978)	\$ (293,921,025)	\$ 34,054,047	-11.59%	Sum Lines 1 through 11	13

¹ Present Rates are defined as rates effective pursuant to ER18-416.

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, 2019

Line No.	Customer Classes	(A) Jan-19	(B) Feb-19	(C) Mar-19	(D) Apr-19	(E) May-19	(F) Jun-19	(G)	Line No.
1	Residential ¹	\$ (8,411,349)	\$ (7,107,022)	\$ (6,692,151)	\$ (6,023,203)	\$ (6,020,291)	\$ (6,372,394)		1
2									2
3	Small Commercial ²	(2,590,541)	(2,492,277)	(2,476,578)	(2,415,314)	(2,516,878)	(2,673,069)		3
4									4
5	Medium and Large Commercial/Industrial ³	(10,272,384)	(10,095,631)	(10,103,675)	(10,528,020)	(10,756,589)	(11,307,372)		5
6									6
7	Agriculture (PA and TOU-PA) ⁴	(78,960)	(86,480)	(82,142)	(97,754)	(109,826)	(131,233)		7
8									8
9	Agriculture (PA-T-1) ⁵	(213,757)	(214,533)	(224,937)	(246,054)	(267,297)	(302,219)		9
10									10
11	Street Lighting ⁶	(98,981)	(94,562)	(94,721)	(92,452)	(93,126)	(96,230)		11
12									12
13	TOTAL	\$ (21,665,972)	\$ (20,090,505)	\$ (19,674,205)	\$ (19,402,799)	\$ (19,764,007)	\$ (20,882,518)		13

Line No.	Customer Classes	(A) Jul-19	(B) Aug-19	(C) Sep-19	(D) Oct-19	(E) Nov-19	(F) Dec-19	(G) Total	Line No.
14	Residential ¹	\$ (7,447,638)	\$ (7,947,529)	\$ (8,986,316)	\$ (7,699,414)	\$ (6,790,344)	\$ (7,620,163)	\$ (87,117,815)	14
15									15
16	Small Commercial ²	(2,933,006)	(2,955,606)	(3,176,916)	(2,878,714)	(2,616,473)	(2,559,740)	\$ (32,285,113)	16
17									17
18	Medium and Large Commercial/Industrial ³	(12,216,386)	(12,140,166)	(13,165,649)	(12,031,786)	(11,288,462)	(10,812,168)	\$ (134,718,288)	18
19									19
20	Agriculture (PA and TOU-PA) ⁴	(146,286)	(143,222)	(149,735)	(131,476)	(116,875)	(92,612)	\$ (1,366,601)	20
21									21
22	Agriculture (PA-T-1) ⁵	(327,155)	(313,413)	(334,395)	(296,353)	(268,254)	(229,379)	\$ (3,237,747)	22
23									23
24	Street Lighting ⁶	(97,366)	(92,626)	(96,991)	(93,219)	(94,002)	(97,139)	\$ (1,141,415)	24
25									25
26	TOTAL	\$ (23,167,836)	\$ (23,592,562)	\$ (25,910,002)	\$ (23,130,962)	\$ (21,174,410)	\$ (21,411,201)	\$ (259,866,978)	26

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

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

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

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

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

⁶ See Stmt BG pages 3 of 4 and 4 of 4, Line 33.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenues Data to Reflect Changed Rates
Rate Effective Period - Twelve Months Ending December 31, 2019

Line No.	Customer Classes	(A)	(B)	(C)	(D)	(E)	(F)	(G) Reference	Line No.
		Jan-19 Energy (kWh)	Feb-19 Energy (kWh)	Mar-19 Energy (kWh)	Apr-19 Energy (kWh)	May-19 Energy (kWh)	Jun-19 Energy (kWh)		
1	Residential Customers	589,442,818	498,039,394	468,966,460	422,088,538	421,884,409	446,558,824	Work Paper No. 1; Page 1.2; Line 23	1
2									2
3	Small Commercial	181,537,590	174,651,504	173,551,399	169,258,161	176,375,498	187,320,885	Work Paper No. 1; Page 1.2; Line 24	3
4									4
5	Medium and Large Commercial/Industrial	719,858,720	707,472,400	708,036,071	737,772,971	753,790,400	792,387,691	Work Paper No. 1; Page 1.2; Line 25	5
6									6
7	Agriculture (PA and TOU-PA)	5,533,302	6,060,260	5,756,300	6,850,316	7,696,254	9,196,454	Work Paper No. 1; Page 1.2; Line 26	7
8									8
9	Agriculture (PA-T-1)	14,979,454	15,033,835	15,762,943	17,242,782	18,731,425	21,178,612	Work Paper No. 1; Page 1.2; Line 27	9
10									10
11	Street Lighting	6,936,300	6,626,605	6,637,744	6,478,801	6,525,985	6,743,543	Work Paper No. 1; Page 1.2; Line 28	11
12									12
13	TOTAL	1,518,288,184	1,407,883,998	1,378,710,917	1,359,691,569	1,385,003,971	1,463,386,009	Sum Lines 1 - 11	13
14									14
15									15
16									16
17	Retail TACBAA Rate (\$/kWh) @ Changed Rate	\$ (0.01427)	\$ (0.01427)	\$ (0.01427)	\$ (0.01427)	\$ (0.01427)	\$ (0.01427)	Statement BL; Page 1; Line 21	17
18									18
19									19
20									20
21									21
22	Residential Customers	\$ (8,411,349)	\$ (7,107,022)	\$ (6,692,151)	\$ (6,023,203)	\$ (6,020,291)	\$ (6,372,394)	Line 1 x Line 18	22
23									23
24	Small Commercial	\$ (2,590,541)	\$ (2,492,277)	\$ (2,476,578)	\$ (2,415,314)	\$ (2,516,878)	\$ (2,673,069)	Line 3 x Line 18	24
25									25
26	Medium and Large Commercial/Industrial	\$ (10,272,384)	\$ (10,095,631)	\$ (10,103,675)	\$ (10,528,020)	\$ (10,756,589)	\$ (11,307,372)	Line 5 x Line 18	26
27									27
28	Agriculture (PA and TOU-PA)	\$ (78,960)	\$ (86,480)	\$ (82,142)	\$ (97,754)	\$ (109,826)	\$ (131,233)	Line 7 x Line 18	28
29									29
30	Agriculture (PA-T-1)	\$ (213,757)	\$ (214,533)	\$ (224,937)	\$ (246,054)	\$ (267,297)	\$ (302,219)	Line 9 x Line 18	30
31									31
32	Street Lighting	\$ (98,981)	\$ (94,562)	\$ (94,721)	\$ (92,452)	\$ (93,126)	\$ (96,230)	Line 11 x Line 18	32
33									33
34	TOTAL	\$ (21,665,972)	\$ (20,090,505)	\$ (19,674,205)	\$ (19,402,799)	\$ (19,764,007)	\$ (20,882,518)	Sum Lines 23 through 33	34
35									35

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, 2019

Line No.	Customer Classes	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
		Jul-19 Energy (kWh)	Aug-19 Energy (kWh)	Sep-19 Energy (kWh)	Oct-19 Energy (kWh)	Nov-19 Energy (kWh)	Dec-19 Energy (kWh)	Total Energy (kWh)	Reference
1	Residential Customers	521,908,767	556,939,676	629,734,825	539,552,481	475,847,516	533,998,804	6,104,962,512	Work Paper No. 1; Page 1.2; Line 23
2									
3	Small Commercial	205,536,482	207,120,271	222,629,026	201,731,872	183,354,798	179,379,118	2,262,446,604	Work Paper No. 1; Page 1.2; Line 24
4									
5	Medium and Large Commercial/Industrial	856,088,723	850,747,427	922,610,270	843,152,515	791,062,488	757,685,190	9,440,664,866	Work Paper No. 1; Page 1.2; Line 25
6									
7	Agriculture (PA and TOU-PA)	10,251,269	10,036,561	10,493,000	9,213,457	8,190,235	6,489,977	95,767,385	Work Paper No. 1; Page 1.2; Line 26
8									
9	Agriculture (PA-T-1)	22,926,046	21,963,060	23,433,453	20,767,536	18,798,470	16,074,224	226,891,840	Work Paper No. 1; Page 1.2; Line 27
10									
11	Street Lighting	6,823,155	6,490,950	6,796,854	6,532,494	6,587,406	6,807,218	79,987,055	Work Paper No.15; Page 1.2; Line 28
12									
13	TOTAL	1,623,534,442	1,653,297,945	1,815,697,428	1,620,950,355	1,483,840,913	1,500,434,531	18,210,720,262	Sum Lines 1 - 11
14									
15									
16									
17									
18	Retail TACBAA Rate (\$/kWh) @ Changed Rate	\$ (0.01427)	\$ (0.01427)	\$ (0.01427)	\$ (0.01427)	\$ (0.01427)	\$ (0.01427)	\$ (0.01427)	Statement BL; Page 1; Line 21
19									
20									
21									
22									
23	Residential Customers	\$ (7,447,638)	\$ (7,947,529)	\$ (8,986,316)	\$ (7,699,414)	\$ (6,790,344)	\$ (7,620,163)	\$ (87,117,815)	Line 1 x Line 18
24									
25	Small Commercial	\$ (2,933,006)	\$ (2,955,606)	\$ (3,176,916)	\$ (2,878,714)	\$ (2,616,473)	\$ (2,559,740)	\$ (32,285,113)	Line 3 x Line 18
26									
27	Medium and Large Commercial/Industrial	\$ (12,216,386)	\$ (12,140,166)	\$ (13,165,649)	\$ (12,031,786)	\$ (11,288,462)	\$ (10,812,168)	\$ (134,718,288)	Line 5 x Line 18
28									
29	Agriculture (PA and TOU-PA)	\$ (146,286)	\$ (143,222)	\$ (149,735)	\$ (131,476)	\$ (116,875)	\$ (92,612)	\$ (1,366,601)	Line 7 x Line 18
30									
31	Agriculture (PA-T-1)	\$ (327,155)	\$ (313,413)	\$ (334,395)	\$ (296,353)	\$ (268,254)	\$ (229,379)	\$ (3,237,747)	Line 9 x Line 18
32									
33	Street Lighting	\$ (97,366)	\$ (92,626)	\$ (96,991)	\$ (93,219)	\$ (94,002)	\$ (97,139)	\$ (1,141,415)	Line 11 x Line 18
34									
35	TOTAL	\$ (23,167,836)	\$ (23,592,562)	\$ (25,910,002)	\$ (23,130,962)	\$ (21,174,410)	\$ (21,411,201)	\$ (259,866,978)	Sum Lines 23 through 33

San Diego Gas & Electric Company

Attachment C – (Cont'd)

C. Statement BH - Revenue Data to Reflect Present Rates

ER19-____-000

Statement BH
SAN DIEGO GAS & ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenue Data to Reflect Present Rates per ER 18-416
Rate Effective Period - Twelve Months Ending December 31, 2019

Line No.	Customer Classes	(A) Jan-19	(B) Feb-19	(C) Mar-19	(D) Apr-19	(E) May-19	(F) Jun-19	(G)	Line No.
1	Residential ¹	\$ (9,513,607)	\$ (8,038,356)	\$ (7,569,119)	\$ (6,812,509)	\$ (6,809,214)	\$ (7,207,459)		1
2									2
3	Small Commercial ²	(2,930,017)	(2,818,875)	(2,801,120)	(2,731,827)	(2,846,701)	(3,023,359)		3
4									4
5	Medium and Large Commercial/Industrial ³	(11,618,520)	(11,418,605)	(11,427,702)	(11,907,656)	(12,166,177)	(12,789,137)		5
6									6
7	Agriculture (PA and TOU-PA) ⁴	(89,307)	(97,813)	(92,907)	(110,564)	(124,218)	(148,431)		7
8									8
9	Agriculture (PA-T-1) ⁵	(241,768)	(242,646)	(254,414)	(278,299)	(302,325)	(341,823)		9
10									10
11	Street Lighting ⁶	(111,952)	(106,953)	(107,133)	(104,568)	(105,329)	(108,841)		11
12									12
13	TOTAL	\$ (24,505,171)	\$ (22,723,248)	\$ (22,252,394)	\$ (21,945,422)	\$ (22,353,964)	\$ (23,619,050)		13

Line No.	Customer Classes	(A) Jul-19	(B) Aug-19	(C) Sep-19	(D) Oct-19	(E) Nov-19	(F) Dec-19	(G) Total	Line No.
14	Residential ¹	\$ (8,423,607)	\$ (8,989,006)	\$ (10,163,920)	\$ (8,708,377)	\$ (7,680,179)	\$ (8,618,741)	\$ (98,534,095)	14
15									15
16	Small Commercial ²	(3,317,359)	(3,342,921)	(3,593,232)	(3,255,952)	(2,959,346)	(2,895,179)	\$ (36,515,888)	16
17									17
18	Medium and Large Commercial/Industrial ³	(13,817,272)	(13,731,063)	(14,890,930)	(13,608,482)	(12,767,749)	(12,229,039)	\$ (152,372,331)	18
19									19
20	Agriculture (PA and TOU-PA) ⁴	(165,455)	(161,990)	(169,357)	(148,705)	(132,190)	(104,748)	\$ (1,545,686)	20
21									21
22	Agriculture (PA-T-1) ⁵	(370,026)	(354,484)	(378,216)	(335,188)	(303,407)	(259,438)	\$ (3,662,034)	22
23									23
24	Street Lighting ⁶	(110,126)	(104,764)	(109,701)	(105,434)	(106,321)	(109,868)	\$ (1,290,991)	24
25									25
26	TOTAL	\$ (26,203,846)	\$ (26,684,229)	\$ (29,305,356)	\$ (26,162,139)	\$ (23,949,192)	\$ (24,217,013)	\$ (293,921,025)	26

¹ See Stmt BH pages 2 of 3 and 3 of 3, Line 23.
² See Stmt BH pages 2 of 3 and 3 of 3, Line 25.
³ See Stmt BH pages 2 of 3 and 3 of 3, Line 27.
⁴ See Stmt BH pages 2 of 3 and 3 of 3, Line 29.
⁵ See Stmt BH pages 2 of 3 and 3 of 3, Line 31.
⁶ See Stmt BH pages 2 of 3 and 3 of 3, Line 33.

Statement BH
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenue Data to Reflect Present Rates per ER 18-416
Rate Effective Period - Twelve Months Ending December 31, 2019

Line No.	Customer Classes	(A) - (E)					(F)	(F) Reference
		Jan-19 Energy (kWh)	Feb-19 Energy (kWh)	Mar-19 Energy (kWh)	Apr-19 Energy (kWh)	May-19 Energy (kWh)	Jun-19 Energy (kWh)	
1	Residential Customers	589,442,818	498,039,394	468,966,460	422,088,538	421,884,409	446,558,824	Work Paper No. 1; Page 1.2; Line 23
2								
3	Small Commercial	181,537,590	174,651,504	173,551,399	169,258,161	176,375,498	187,320,885	Work Paper No. 1; Page 1.2; Line 24
4								
5	Medium and Large Commercial/Industrial	719,858,720	707,472,400	708,036,071	737,772,971	753,790,400	792,387,691	Work Paper No. 1; Page 1.2; Line 25
6								
7	Agriculture (PA and TOU-PA)	5,533,302	6,060,260	5,756,300	6,850,316	7,696,254	9,196,454	Work Paper No. 1; Page 1.2; Line 26
8								
9	Agriculture (PA-T-1)	14,979,454	15,033,835	15,762,943	17,242,782	18,731,425	21,178,612	Work Paper No. 1; Page 1.2; Line 27
10								
11	Street Lighting	6,936,300	6,626,605	6,637,744	6,478,801	6,525,985	6,743,543	Work Paper No. 1; Page 1.2; Line 28
12								
13	TOTAL	1,518,288,184	1,407,883,998	1,378,710,917	1,359,691,569	1,385,003,971	1,463,386,009	Sum Lines 1 - 11
14								
15								
16								
17								
18	Retail TACBAA Rate (\$/kWh) @ Present Rate	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)	Statement BL; Page 1; Line 21 FERC Docket No. ER18-416-000
19								
20								
21								
22								
23	Residential Customers	\$ (9,513,607)	\$ (8,038,356)	\$ (7,569,119)	\$ (6,812,509)	\$ (6,809,214)	\$ (7,207,459)	Line 1 x Line 18
24								
25	Small Commercial	(2,930,017)	(2,818,875)	(2,801,120)	(2,731,827)	(2,846,701)	(3,023,359)	Line 3 x Line 18
26								
27	Medium and Large Commercial/Industrial	(11,618,520)	(11,418,605)	(11,427,702)	(11,907,656)	(12,166,177)	(12,789,137)	Line 5 x Line 18
28								
29	Agriculture (PA and TOU-PA)	(89,307)	(97,813)	(92,907)	(110,564)	(124,218)	(148,431)	Line 7 x Line 18
30								
31	Agriculture (PA-T-1)	(241,768)	(242,646)	(254,414)	(278,299)	(302,325)	(341,823)	Line 9 x Line 18
32								
33	Street Lighting	(111,952)	(106,953)	(107,133)	(104,568)	(105,329)	(108,841)	Line 11 x Line 18
34								
35	TOTAL	\$ (24,505,171)	\$ (22,723,248)	\$ (22,252,394)	\$ (21,945,422)	\$ (22,353,964)	\$ (23,619,050)	Sum Lines 23 through 33

Statement BH
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Access Charge Balancing Account Adjustment (TACBAA) Revenue Data to Reflect Present Rates per ER 18-416
Rate Effective Period - Twelve Months Ending December 31, 2019

Line No.	Customer Classes	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(M) Reference	Line No.
		Jul-19 Energy (kWh)	Aug-19 Energy (kWh)	Sep-19 Energy (kWh)	Oct-19 Energy (kWh)	Nov-19 Energy (kWh)	Dec-19 Energy (kWh)	Total Energy (kWh)		
1	Residential Customers	521,908,767	556,939,676	629,734,825	539,552,481	475,847,516	533,998,804	6,104,962,512	Work Paper No. 1; Page 1.2; Line 23	1
2										2
3	Small Commercial	205,536,482	207,120,271	222,629,026	201,731,872	183,354,798	179,379,118	2,262,446,604	Work Paper No. 1; Page 1.5.2; Line 24	3
4										4
5	Medium and Large Commercial/Industrial	856,088,723	850,747,427	922,610,270	843,152,515	791,062,488	757,685,190	9,440,664,866	Work Paper No. 1; Page 1.2; Line 25	5
6										6
7	Agriculture (PA and TOU-PA)	10,251,269	10,036,561	10,493,000	9,213,457	8,190,235	6,489,977	95,767,385	Work Paper No. 1; Page 1.2; Line 26	7
8										8
9	Agriculture (PA-T-1)	22,926,046	21,963,060	23,433,453	20,767,536	18,798,470	16,074,224	226,891,840	Work Paper No. 1; Page 1.2; Line 27	9
10										10
11	Street Lighting	6,823,155	6,490,950	6,796,854	6,532,494	6,587,406	6,807,218	79,987,055	Work Paper No. 1; Page 1.2; Line 28	11
12										12
13	TOTAL	1,623,534,442	1,653,297,945	1,815,697,428	1,620,950,355	1,483,840,913	1,500,434,531	18,210,720,262	Sum Lines 1 - 11	13
14										14
15		\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)	\$(kWh)			15
16										16
17	Retail TACBAA Rate \$(kWh) @ Present Rate	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)		Statement BL; Page 1; Line 21 FERC Docket No. ER18-416-000	17
18										18
19										19
20		Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates		20
21										21
22	Residential Customers	\$ (8,423,607)	\$ (8,989,006)	\$ (10,163,920)	\$ (8,708,377)	\$ (7,680,179)	\$ (8,618,741)	\$ (98,534,095)	Line 1 x Line 18	22
23										23
24	Small Commercial	(3,317,359)	(3,342,921)	(3,593,232)	(3,255,952)	(2,959,346)	(2,895,179)	(36,515,888)	Line 3 x Line 18	24
25										25
26	Medium and Large Commercial/Industrial	(13,817,272)	(13,731,063)	(14,890,930)	(13,608,482)	(12,767,749)	(12,229,039)	(152,372,331)	Line 5 x Line 18	26
27										27
28	Agriculture (PA and TOU-PA)	(165,455)	(161,990)	(169,357)	(148,705)	(132,190)	(104,748)	(1,545,686)	Line 7 x Line 18	28
29										29
30	Agriculture (PA-T-1)	(370,026)	(354,484)	(378,216)	(335,188)	(303,407)	(259,438)	(3,662,034)	Line 9 x Line 18	30
31										31
32	Street Lighting	(110,126)	(104,764)	(109,701)	(105,434)	(106,321)	(109,868)	(1,290,991)	Line 11 x Line 18	32
33										33
34	TOTAL	\$ (26,203,846)	\$ (26,684,229)	\$ (29,305,356)	\$ (26,162,139)	\$ (23,949,192)	\$ (24,217,013)	\$ (293,921,025)	Sum Lines 23 through 33	34
35										35

San Diego Gas & Electric Company

Attachment – C (Cont'd)

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

ER19-_____-000

Statement BK
SAN DIEGO GAS & ELECTRIC COMPANY
2019 - TACBAA Rate Filing
TACBAA Forecast Including Franchise Fees & Uncollectible Expense

Line No.	Components	Total TACBAA	Reference	Line No.
1	Recorded TACBAA Balance @ October 31, 2018	\$ 14,178,936	Workpaper No. 2; Pages 2.4; Line 29	1
2				2
3	TACBAA Forecast (Nov and Dec 2018)	4,455,355	Workpaper No. 3; Page 3.1; Total Col; Line 32	3
4				4
5	TACBAA Projected Balance @ December 31, 2018	18,634,291	Line 1 + Line 3	5
6				6
7	Forecasted Net Access Charge Billings	(284,173,237)	Workpaper No. 4; Page 4.1; Col. 6; Line 3	7
8				8
9	Total TACBAA Before Franchise Fees & Uncollectible	(265,538,946)	Line 5 + Line 7	9
10				10
11	Franchise Fees @ 1.0277 %	(2,728,944)	Line 9 x 1.0277%	11
12				12
13	Uncollectibles @ 0.1740%	(462,038)	Line 9 x 0.1740%	13
14				14
15	Total Franchise Fees and Uncollectible	(3,190,982)	Line 11 + Line 13	15
16				16
17	Total TACBAA Forecast Including FF&U	\$ (268,729,928)	Line 9 + Line 15	17

San Diego Gas & Electric Company

Attachment – C (Cont'd)

E. Statement BL - Retail TACBAA Rate Calculation

ER19-_____-000

Statement BL
SAN DIEGO GAS & ELECTRIC COMPANY
2019 - TACBAA Rate Filing
TACBAA Rate Schedule

Line No.	Components	Total TACBAA	Reference	Line No.
1	Recorded TACBAA Balance @ October 31, 2018	\$ 14,178,936	Workpaper No. 2; Pages 2.4; Line 29	1
2				2
3	TACBAA Forecast (Nov and Dec 2018)	4,455,355	Workpaper No. 3; Page 3.1; Total Col; Line 32	3
4				4
5	TACBAA Projected Balance @ December 31, 2018	18,634,291	Line 1 + Line 3	5
6				6
7	Forecasted Net Access Charge Billings	(284,173,237)	Workpaper No. 4; Page 4.1; Col. 6; Line 3	7
8				8
9	Total TACBAA Before Franchise Fees & Uncollectible	(265,538,946)	Line 5 + Line 7	9
10				10
11	Franchise Fees @ 1.0277 %	(2,728,944)	Line 9 x 1.0277%	11
12				12
13	Uncollectible @ 0.1740%	(462,038)	Line 9 x 0.1740%	13
14				14
15	Total Franchise Fees and Uncollectible	(3,190,982)	Line 11 + Line 13	15
16				16
17	Total TACBAA Forecast Including FF&U	\$ (268,729,928)	Line 9 + Line 15	17
18				18
19	S: = 12 Months KWh Ending October 31, 2018	18,829,285,852	Statement BD; Page 1 of 5; Column C; Line 15	19
20				20
21	Total TACBAA Rate (\$/kWh)	\$ (0.01427)	Line 17 / Line 19	21

San Diego Gas & Electric Company

Attachment – C (Cont'd)

F. TACBAA Work Papers

ER19-_____-000

Work Paper – 1
12-Month Recorded Sales Ending
10/31/2018
& 12-Month Forecast Sales from
1/1/2019 thru 12/31/2019

San Diego Gas & Electric													
Recorded Billing Determinants for the 12-Month Period: November 2017 - October 2018													
Line No.	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Total
1	System Delivery Determinants												
2	Customer Class Deliveries (MWh)												
3	521,745	524,729	568,925	486,775	485,494	432,992	432,483	446,253	573,680	771,224	661,020	521,112	6,426,432
4	177,714	176,758	175,439	168,191	175,099	167,032	169,139	179,631	196,852	210,988	209,335	185,252	2,191,431
5	811,358	808,537	761,672	682,869	758,633	736,474	750,423	902,538	857,660	923,247	980,441	816,473	9,790,325
6	9,469	8,800	15,338	7,276	6,065	6,994	8,943	9,712	10,963	11,424	11,967	9,857	116,508
7	20,341	20,952	7,778	12,332	19,206	3,007	15,930	36,111	9,617	30,605	20,986	21,586	218,450
8	7,239	7,318	7,146	9,055	4,045	10,399	7,163	3,937	8,459	8,921	7,119	8,459	86,139
9	11.0	9.8	9.2	0.0	18.1	7.2	12.8	13.6	14.5	17.5	15.7	12.8	142.3
10	1,547,877	1,547,103	1,536,307	1,366,498	1,448,560	1,356,605	1,384,094	1,579,597	1,657,708	1,951,443	1,892,223	1,561,413	18,829,428
11	Total System - EXCLUDING Sale for Resale												
12	1,547,866	1,547,093	1,536,298	1,366,498	1,448,542	1,356,598	1,384,081	1,579,583	1,657,693	1,951,425	1,892,208	1,561,400	18,829,286
13	INPUT FROM RECORDED SALES FILE:												
14	Medium & Large Details - Deliveries in MWHE												
15	2,545	2,375	0	1,796	2,785	2,273	2,366	2,392	117	0	0	0	16,650
16	751,725	757,263	761,672	623,320	692,024	673,352	707,575	809,088	786,965	855,153	907,259	745,435	9,070,829
17	57,088	48,899	0	57,753	63,824	60,849	40,483	91,058	70,578	68,095	73,182	71,039	702,846
18	811,358	808,537	761,672	682,869	758,633	736,474	750,423	902,538	857,660	923,247	980,441	816,473	9,790,325
19	Total												
20	1,547,877	1,547,103	1,536,307	1,366,498	1,448,560	1,356,605	1,384,094	1,579,597	1,657,708	1,951,443	1,892,223	1,561,413	18,829,428

San Diego Gas & Electric													
Recorded Billing Determinants for the 12-Month Period: November 2017 - October 2018													
Line No.	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Total
21	System Delivery Determinants												
22	Customer Class Deliveries (KWh)												
23	521,745	524,728,953	568,924,956	486,774,649	485,494,277	432,992,424	432,482,584	446,252,996	573,679,814	771,224,323	661,019,618	521,112,203	6,426,431,990
24	177,714,260	176,757,816	175,438,973	168,190,937	175,098,623	167,032,333	169,138,953	179,631,205	196,852,412	210,987,904	209,335,316	185,252,435	2,191,431,167
25	811,357,806	808,536,691	761,671,890	682,868,949	758,632,595	736,474,130	750,423,001	902,538,338	857,660,315	923,247,336	980,440,969	816,473,378	9,790,325,186
26	9,468,982	8,799,614	15,338,019	7,276,292	6,065,241	6,693,709	8,943,462	9,711,915	10,962,805	11,424,258	11,966,871	9,857,046	116,508,214
27	20,340,672	20,951,634	7,778,139	12,331,720	19,205,803	3,006,554	15,930,355	36,111,288	9,617,193	30,605,116	20,985,706	21,586,283	218,450,463
28	7,239,304	7,318,183	7,146,111	9,055,087	4,045,212	10,398,772	7,162,987	5,337,216	8,921,165	9,365,518	8,459,185	7,119,092	86,138,832
29	10,966	9,822	9,236	0	18,089	7,177	12,841	13,563	14,549	17,482	15,739	12,822	142,286
30	1,547,877,183	1,547,102,713	1,536,307,324	1,366,497,634	1,448,559,840	1,356,605,099	1,384,094,183	1,579,596,521	1,657,708,041	1,951,442,937	1,892,223,404	1,561,413,259	18,829,428,138
31	Total System - EXCLUDING Sale for Resale												
32	1,547,866,217	1,547,092,891	1,536,298,088	1,366,497,634	1,448,541,751	1,356,597,922	1,384,081,342	1,579,582,958	1,657,693,492	1,951,425,455	1,892,207,665	1,561,400,437	18,829,285,852
33	INPUT FROM RECORDED SALES FILE:												
34	Medium & Large Details - Deliveries in KWh:												
35	2,544,642	2,375,242	0	1,796,291	2,785,256	2,273,098	2,365,949	2,392,238	117,435	0	0	0	16,650,151
36	751,724,965	757,262,792	761,671,890	623,319,958	692,023,615	673,352,353	707,574,536	809,087,634	786,964,956	855,152,527	907,258,851	745,434,515	9,070,828,592
37	57,088,199	48,898,657	0	57,752,700	63,823,724	60,848,679	40,482,516	91,058,466	70,577,712	68,094,809	73,182,118	71,038,863	702,846,443
38	811,357,806	808,536,691	761,671,890	682,868,949	758,632,595	736,474,130	750,423,001	902,538,338	857,660,103	923,247,336	980,440,969	816,473,378	9,790,325,186
39	Total												
40	1,547,877,183	1,547,102,713	1,536,307,324	1,366,497,634	1,448,559,840	1,356,605,099	1,384,094,183	1,579,596,521	1,657,708,041	1,951,442,937	1,892,223,404	1,561,413,259	18,829,428,138

San Diego Gas & Electric Forecast Billing Determinants for the 12-Month Period: January 2019 - December 2019													
Line No.	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
System Delivery Determinants													
Customer Class Deliveries (MWh)													
1	589,443	498,039	468,966	422,089	421,884	446,559	521,909	556,940	629,735	539,552	475,848	533,999	6,104,963
2	181,538	174,652	173,551	169,258	176,375	187,321	205,536	207,120	222,629	201,732	183,355	179,379	2,262,447
3	719,859	707,472	708,036	737,773	753,790	792,388	856,089	850,747	922,610	843,153	791,062	757,685	9,440,665
4	5,533	6,060	5,756	6,850	7,696	9,196	10,251	10,037	10,493	9,213	8,190	6,490	95,767
5	14,979	15,034	15,763	17,243	18,731	21,179	22,926	21,963	23,433	20,768	18,798	16,074	226,892
6	6,936	6,627	6,638	6,479	6,526	6,744	6,823	6,491	6,797	6,532	6,587	6,807	79,987
7	13	13	13	13	13	13	13	13	13	13	13	13	154
8	1,518,301	1,407,897	1,378,724	1,359,704	1,385,017	1,463,399	1,623,547	1,653,311	1,815,710	1,620,963	1,483,854	1,500,447	18,210,874
9	1,518,288	1,407,884	1,378,711	1,359,692	1,385,004	1,463,386	1,623,534	1,653,298	1,815,697	1,620,950	1,483,841	1,500,435	18,210,720
10	Total System - EXCLUDING Sale for Resale												
11	INPUT FROM FORECAST:												
12	Medium & Large Details - Deliveries in MWh:												
13	2,048	2,046	2,068	2,000	2,068	2,164	2,291	2,375	2,582	2,310	2,069	1,924	25,945
14	649,733	642,582	644,118	669,322	685,205	726,592	781,227	782,812	845,678	774,797	722,962	688,733	8,613,766
15	68,077	62,839	61,850	66,451	66,517	63,632	72,571	65,560	74,351	66,045	66,031	67,028	800,953
16	719,859	707,472	708,036	737,773	753,790	792,388	856,089	850,747	922,610	843,153	791,062	757,685	9,440,665
17	Total												

San Diego Gas & Electric Forecast Billing Determinants for the 12-Month Period: January 2019 - December 2019													
Line No.	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
System Delivery Determinants													
Customer Class Deliveries (kWh)													
21	589,442,818	498,039,394	468,966,460	422,088,538	421,884,409	446,558,824	521,908,767	556,939,676	629,734,825	539,552,481	475,847,516	533,998,804	6,104,962,512
22	181,537,590	174,651,504	173,551,399	169,258,161	176,375,498	187,320,885	205,536,482	207,120,271	222,629,026	201,731,872	183,354,798	179,379,118	2,262,446,604
23	719,858,720	707,472,400	708,036,071	737,772,971	753,790,400	792,387,691	856,088,723	850,747,427	922,610,270	843,152,515	791,062,488	757,685,190	9,440,664,866
24	5,533,302	6,060,260	5,756,300	6,850,316	7,696,254	9,196,454	10,251,269	10,036,561	10,493,000	9,213,457	8,190,235	6,489,977	95,767,385
25	14,979,454	15,033,835	15,762,943	17,242,782	18,731,425	21,178,612	22,926,046	21,963,060	23,433,453	20,767,536	18,798,470	16,074,224	226,891,840
26	6,936,300	6,626,605	6,637,744	6,478,801	6,525,985	6,743,543	6,823,155	6,490,950	6,796,854	6,532,494	6,587,406	6,807,218	79,987,055
27	12,816	12,816	12,816	12,816	12,816	12,816	12,816	12,816	12,816	12,816	12,816	12,816	153,792
28	1,518,301,000	1,407,896,814	1,378,723,733	1,359,704,385	1,385,016,787	1,463,398,825	1,623,547,258	1,653,310,761	1,815,710,244	1,620,963,171	1,483,853,729	1,500,447,347	18,210,874,054
29	1,518,288,184	1,407,883,998	1,378,710,917	1,359,691,569	1,385,003,971	1,463,386,009	1,623,534,442	1,653,297,945	1,815,697,428	1,620,950,355	1,483,840,913	1,500,434,531	18,210,720,262
30	Total System - EXCLUDING Sale for Resale												
31	INPUT FROM FORECAST:												
32	Medium & Large Details - Deliveries in kWh:												
33	2,048,335	2,045,567	2,067,869	1,999,918	2,067,678	2,163,812	2,291,201	2,375,442	2,581,591	2,310,040	2,069,116	1,924,334	25,944,903
34	649,733,220	642,587,412	644,118,132	669,321,752	685,205,434	726,591,823	781,226,912	782,811,925	845,677,819	774,797,086	722,961,958	688,733,004	8,613,766,477
35	68,077,165	62,839,421	61,850,070	66,451,301	66,517,288	63,632,056	72,570,610	65,560,060	74,350,860	66,045,389	66,031,414	67,027,852	800,953,486
36	719,858,720	707,472,400	708,036,071	737,772,971	753,790,400	792,387,691	856,088,723	850,747,427	922,610,270	843,152,515	791,062,488	757,685,190	9,440,664,866
37	Total												

Work Paper – 2
TACBAA Monthly Activities
Applicable
For the 12-Month Period
Ending
October 31, 2018

San Diego Gas & Electric Company
TACBAA Monthly Activities Applicable
For the 12-Month Period Ending October 31, 2018
2019 TACBAA Rate Filing

Line No.	Description	November 2017	December 2017	January 2018	February 2018
1	Beginning Balance (Overcollection)/Undercollection	\$ (41,880,151)	\$ (36,311,099)	\$ (31,689,605)	\$ (23,583,903)
2					
3	TACBAA Refund				
4	Kwh	1,547,866,217	1,547,092,891	1,536,298,088	1,366,497,634
5	TACBAA Rate	\$ (0.00895)	\$ (0.00895)	\$ (0.012545)	\$ (0.01614)
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (13,853,403)	\$ (13,846,481)	\$ (19,272,860)	\$ (22,055,272)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(164,500)	(164,417)	(228,852)	(261,891)
8	Total TACBAA Refund	\$ (13,688,903)	\$ (13,682,064)	\$ (19,044,008)	\$ (21,793,381)
9					
10	Monthly ISO Charge Types (Revenues=Cr.) / Expenses=Dr.:				
11	CT 372 - HVAC Due ISO - Expense	\$ 19,750,860	\$ 17,358,128	\$ 18,017,747	\$ 17,807,302
12					
13	CT 374 - HVAC Due PTO - Revenues	(27,734,637)	(26,297,542)	(28,856,738)	(32,607,783)
14					
15	Total Monthly Related (Revenues)/Expenses:	\$ (7,983,777)	\$ (8,939,414)	\$ (10,838,991)	\$ (14,800,481)
16					
17					
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ 5,705,126	\$ 4,742,650	\$ 8,205,016	\$ 6,992,900
19					
20	Interest Expense Calculations:				
21	Beginning Balance for Interest Calculation	\$ (41,133,240)	\$ (41,133,240)	\$ (31,689,605)	\$ (31,689,605)
22	Monthly Activity Included in Interest Calculation Basis	2,254,808	7,478,696	4,102,508	11,701,466
23	Basis for Interest Expense Calculation	(38,878,432)	(33,654,544)	(27,587,097)	(19,988,139)
24	Monthly Interest Rate	0.35000%	0.36000%	0.36000%	0.33000%
25	Interest Expense	\$ (136,075)	\$ (121,156)	\$ (99,314)	\$ (65,961)
26					
27	Other Adjustment	-	-	-	-
28					
29	Ending Balance (Overcollection)/Undercollection	\$ (36,311,099)	\$ (31,689,605)	\$ (23,583,903)	\$ (16,656,964)
30					
31					
32	<u>Franchise Fees & Uncollectible Adjustment:</u>				
33	Franchise Fees Expense Rate	1.0277%	1.0277%	1.0277%	1.0277%
34	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
35	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%

San Diego Gas & Electric Company
TACBAA Monthly Activities Applicable
For the 12-Month Period Ending October 31, 2018
2019 TACBAA Rate Filing

Line No.	Description	March 2018	April 2018	May 2018	June 2018
1	Beginning Balance (Overcollection)/Undercollection	\$ (16,656,964)	\$ (9,335,031)	\$ (4,637,605)	\$ (3,711,696)
2					
3	TACBAA Refund				
4	Kwh	1,448,541,751	1,356,597,922	1,384,081,342	1,579,582,958
5	TACBAA Rate	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (23,379,464)	\$ (21,895,490)	\$ (22,339,073)	\$ (25,494,469)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(277,615)	(259,994)	(265,261)	(302,729)
8	Total TACBAA Refund	\$ (23,101,849)	\$ (21,635,497)	\$ (22,073,812)	\$ (25,191,740)
9					
10	Monthly ISO Charge Types (Revenues=Cr.) / Expenses=Dr.:				
11	CT 372 - HVAC Due ISO - Expense	\$ 15,567,406	\$ 17,065,099	\$ 15,984,184	\$ 17,064,443
12					
13	CT 374 - HVAC Due PTO - Revenues	(31,301,215)	(33,977,369)	(37,116,351)	(37,479,424)
14					
15	Total Monthly Related (Revenues)/Expenses:	\$ (15,733,809)	\$ (16,912,269)	\$ (21,132,167)	\$ (20,414,981)
16					
17					
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ 7,368,040	\$ 4,723,227	\$ 941,645	\$ 4,776,758
19					
20	Interest Expense Calculations:				
21	Beginning Balance for Interest Calculation	\$ (31,689,605)	\$ (9,335,031)	\$ (9,335,031)	\$ (9,335,031)
22	Monthly Activity Included in Interest Calculation Basis	18,881,936	2,361,614	5,194,050	8,053,252
23	Basis for Interest Expense Calculation	(12,807,669)	(6,973,417)	(4,140,981)	(1,281,779)
24	Monthly Interest Rate	0.36000%	0.37000%	0.38000%	0.37000%
25	Interest Expense	\$ (46,108)	\$ (25,802)	\$ (15,736)	\$ (4,743)
26					
27	Other Adjustment	-	-	-	-
28					
29	Ending Balance (Overcollection)/Undercollection	\$ (9,335,031)	\$ (4,637,605)	\$ (3,711,696)	\$ 1,060,320
30					
31					
32	<u>Franchise Fees & Uncollectible Adjustment:</u>				
33	Franchise Fees Expense Rate	1.0277%	1.0277%	1.0277%	1.0277%
34	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
35	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%

San Diego Gas & Electric Company
TACBAA Monthly Activities Applicable
For the 12-Month Period Ending October 31, 2018
2019 TACBAA Rate Filing

Line No.	Description	July 2018	August 2018	September 2018	October 2018
1	Beginning Balance (Overcollection)/Undercollection	\$ 1,060,320	\$ 6,127,438	\$ 10,021,191	\$ 12,200,962
2					
3	TACBAA Refund				
4	Kwh	1,657,693,492	1,951,425,455	1,892,207,665	1,561,400,437
5	TACBAA Rate	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)	\$ (0.01614)
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (26,755,173)	\$ (31,496,007)	\$ (30,540,232)	\$ (25,201,003)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(317,699)	(373,993)	(362,644)	(299,244)
8	Total TACBAA Refund	\$ (26,437,474)	\$ (31,122,014)	\$ (30,177,588)	\$ (24,901,759)
9					
10	Monthly ISO Charge Types (Revenues=Cr.) / Expenses=Dr.:				
11	CT 372 - HVAC Due ISO - Expense	\$ 18,203,752	\$ 24,511,921	\$ 25,767,994	\$ 20,908,556
12					
13	CT 374 - HVAC Due PTO - Revenues	(39,588,455)	(51,772,358)	(53,808,878)	(43,887,623)
14					
15	Total Monthly Related (Revenues)/Expenses:	\$ (21,384,703)	\$ (27,260,436)	\$ (28,040,884)	\$ (22,979,067)
16					
17					
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ 5,052,771	\$ 3,861,577	\$ 2,136,704	\$ 1,922,692
19					
20	Interest Expense Calculations:				
21	Beginning Balance for Interest Calculation	\$ 1,060,320	\$ 1,060,320	\$ 1,060,320	\$ 12,200,962
22	Monthly Activity Included in Interest Calculation Basis	2,526,386	6,983,560	9,982,700	961,346
23	Basis for Interest Expense Calculation	3,586,706	8,043,880	11,043,020	13,162,308
24	Monthly Interest Rate	0.40000%	0.40000%	0.39000%	0.42000%
25	Interest Expense	\$ 14,347	\$ 32,176	\$ 43,068	\$ 55,282
26					
27	Other Adjustment	-	-	-	-
28					
29	Ending Balance (Overcollection)/Undercollection	\$ 6,127,438	\$ 10,021,191	\$ 12,200,962	\$ 14,178,936
30					
31					
32	<u>Franchise Fees & Uncollectible Adjustment:</u>				
33	Franchise Fees Expense Rate	1.0277%	1.0277%	1.0277%	1.0277%
34	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%	0.1740%	0.1740%
35	Combined FF&U Adjustment Rate	1.2017%	1.2017%	1.2017%	1.2017%

San Diego Gas & Electric Company
TACBAA Monthly Activities Applicable
For the 12-Month Period Ending October 31, 2018
2019 TACBAA Rate Filing

Line No.	Description	Total	Reference	Line No.
1	Beginning Balance (Overcollection)/Undercollection	\$ (41,880,151)	Previous Month's Balance	1
2				2
3	TACBAA Refund			3
4	Kwh	18,829,285,852	Work Paper No. 1; Page 1.1; Line 32	4
5	TACBAA Rate		TACBAA Rates; ER 17-551 (Nov & Dec 2017); ER18-416 (2018)	5
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (276,128,926)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(3,278,839)	(Line 6 / (1+ Line 35)) * Line 35	7
8	Total TACBAA Refund	\$ (272,850,087)	Line 6 - Line 7	8
9				9
10	Monthly ISO Charge Types (Revenues=Cr.) / Expenses=Dr.:			10
11	CT 372 - HVAC Due ISO - Expense	\$ 228,007,393	CT 372 - HVAC Due ISO	11
12				12
13	CT 374 - HVAC Due PTO - Revenues	(444,428,372)	CT 374 - HVAC Due PTO	13
14				14
15	Total Monthly Related (Revenues)/Expenses:	\$ (216,420,979)	Sum Lines 11 through 13	15
16				16
17				17
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ 56,429,108	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	\$ (370,021)	Line 23 x Line 24	25
26				26
27	Other Adjustment	-	Other Adjustment	27
28				28
29	Ending Balance (Overcollection)/Undercollection	\$ 14,178,936	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

Work Paper – 3
Projected Change for the Remaining
Months of the Year
(November & December 2018)

San Diego Gas & Electric Company
2019 TACBAA Rate Filing
Projected Change for the Remaining Months of the Year (November & December 2018)

Line No.	Description	Forecast	Forecast	Total	Reference	Line No.
		November 2018	December 2018			
1	Beginning Balance (Overcollection)/Undercollection	\$ 14,178,936	\$ 16,775,180	\$ 14,178,936	Previous Month's Balance	1
2						2
3	TACBAA Refund					3
4	Kwh	1,568,592,059	1,588,876,384	3,157,468,443	Forecast Sales in Nov; Forecast Sales in Dec 2018 (Page 3.2, Line 32)	4
5	TACBAA Rate	\$ (0.01614)	\$ (0.01614)		TACBAA Rates; ER18-416-000	5
6	Total TACBAA Refund Including Franchise Fees & Uncollectibles	\$ (25,317,076)	\$ (25,644,465)	\$ (50,961,541)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment ¹	(300,623)	(304,510)	(605,133)	(Line 6 / (1+ Line 37)) * Line 37	7
8	Total TACBAA Refund	\$ (25,016,453)	\$ (25,339,955)	\$ (50,356,408)	Line 6 - Line 7	8
9						9
10	Monthly ISO Charge Types (Revenues=Cr.)/Expenses=Dr.:					10
11	CT 372 - HVAC Due ISO - Expense	\$ 17,380,691	\$ 17,887,448	\$ 35,268,139	Estimated CT 372 - HVAC Due ISO	11
12						12
13	CT 374 - HVAC Due PTO - Revenues	(39,864,000)	(41,442,000)	(81,306,000)	Estimated CT 374 - HVAC Due PTO	13
14						14
15	Total Monthly Related (Revenues)/Expenses:	\$ (22,483,309)	\$ (23,554,552)	\$ (46,037,861)	Sum Lines 11 through 13	15
16						16
17						17
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ 2,533,144	\$ 1,785,403	\$ 4,318,547	Minus Line 8 + Line 15	18
19						19
20	Interest Expense Calculations:					20
21	Beginning Balance for Interest Calculation	\$ 12,200,962	\$ 12,200,962		Beginning Quarterly Balances	21
22	Monthly Activity Included in Interest Calculation Basis	3,189,264	5,348,537		Interest Calculation Basis	22
23	Basis for Interest Expense Calculation	15,390,226	17,549,499		Line 21 + Line 22	23
24	Monthly Interest Rate	0.410%	0.420%		FERC Monthly Rates	24
25	Interest Expense	\$ 63,100	\$ 73,708	\$ 136,808	Line 23 x Line 24	25
26						26
27	Other Adjustment			-	Other Adjustment	27
28						28
29	Estimated Ending Balance (Overcollection)/Undercollection Forecast	\$ 16,775,180	\$ 18,634,291	\$ 18,634,291	Line 1 + Line 18 + Line 25 + Line 27	29
30						30
31	Net Monthly Activity Forecast	\$ 2,596,244	\$ 1,859,111	\$ 4,455,355	Line 18 + Line 25	31
32						32
33						33
34	Franchise Fees & Uncollectible Adjustment:					34
35	Franchise Fees Expense Rate	1.0277%	1.0277%			35
36	Uncollectible Expense Adjustment Rate	0.1740%	0.1740%			36
37	Combined FF&U Adjustment Rate	1.2017%	1.2017%		Franchise Fees & Uncollectible Rate	37

San Diego Gas & Electric Forecast Billing Determinants for the 12-Month Period: January 2018 - December 2018													
Line No.	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
1	System Delivery Determinants												
2	Customer Class Deliveries (MWh)												
3	621,843	536,163	512,081	471,416	474,091	496,722	569,819	587,087	676,362	578,309	512,354	572,103	6,608,350
4	184,355	176,961	176,197	172,963	176,119	183,834	201,313	200,163	217,448	196,718	180,280	177,414	2,243,764
5	813,182	785,283	785,019	784,189	806,462	841,713	917,808	895,605	985,674	894,158	844,358	811,354	10,164,804
6	4,863	5,320	4,982	5,970	6,817	8,028	8,916	8,637	9,166	7,969	6,929	5,684	83,280
7	14,328	14,638	14,302	16,059	18,811	21,010	22,575	21,484	22,786	19,815	17,639	15,004	218,451
8	7,306	6,971	6,989	6,792	6,836	7,142	7,245	6,909	7,274	6,936	7,032	7,317	84,750
9	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	102.1
10	1,645,886	1,525,345	1,499,579	1,457,397	1,489,144	1,538,458	1,727,684	1,719,893	1,918,718	1,703,913	1,568,601	1,588,885	19,403,501
11	Total System												
12	1,645,878	1,525,336	1,499,570	1,457,388	1,489,135	1,538,449	1,727,676	1,719,884	1,918,710	1,703,904	1,568,592	1,588,876	19,403,399
13	Total System - EXCLUDING Sale for Resale												
14	INPUT FROM FORECAST:												
15	Medium & Large Details - Deliveries in MWh:												
16	2,495	2,472	2,474	2,395	2,465	2,557	2,704	2,751	3,029	2,690	2,415	2,278	30,726
17	741,852	724,362	724,285	719,057	740,312	777,793	841,445	827,543	909,890	827,134	775,230	743,128	9,352,031
18	68,835	58,449	58,260	62,738	63,685	61,362	73,659	65,311	72,755	64,334	66,712	65,948	782,048
19	813,182	785,283	785,019	784,189	806,462	841,713	917,808	895,605	985,674	894,158	844,358	811,354	10,164,804
20	Total												

San Diego Gas & Electric Forecast Billing Determinants for the 12-Month Period: January 2018 - December 2018													
Line No.	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
21	System Delivery Determinants												
22	Customer Class Deliveries (kWh)												
23	621,843,019	536,163,070	512,081,305	471,415,819	474,091,423	496,721,973	569,819,400	587,087,470	676,361,735	578,308,738	512,353,615	572,102,628	6,608,350,195
24	184,355,186	176,961,069	176,197,042	172,963,024	176,118,744	183,833,900	201,312,702	200,162,585	217,447,642	196,717,694	180,280,142	177,414,102	2,243,763,832
25	813,182,465	785,283,290	785,018,857	784,189,048	806,461,861	841,712,599	917,808,168	895,604,554	985,673,627	894,157,759	844,357,938	811,353,945	10,164,804,111
26	4,862,807	5,319,603	4,981,767	5,969,612	6,816,557	8,028,285	8,915,685	8,636,954	9,166,463	7,969,244	6,929,257	5,684,113	83,280,347
27	14,328,067	14,638,451	14,302,113	16,058,994	18,810,916	21,010,029	22,574,583	21,483,551	22,786,498	19,814,555	17,638,959	15,004,453	218,451,169
28	7,306,230	6,970,591	6,989,052	6,791,681	6,835,890	7,142,403	7,245,133	6,909,352	7,273,644	6,936,351	7,032,148	7,317,143	84,749,618
29	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	8,505	102,061
30	1,645,886,279	1,525,344,579	1,499,578,641	1,457,396,683	1,489,143,896	1,538,457,694	1,727,684,176	1,719,892,971	1,918,718,114	1,703,912,846	1,568,600,564	1,588,884,889	19,403,501,333
31	Total System												
32	1,645,877,774	1,525,336,074	1,499,570,136	1,457,388,178	1,489,135,391	1,538,449,189	1,727,675,671	1,719,884,466	1,918,709,609	1,703,904,341	1,568,592,059	1,588,876,384	19,403,399,272
33	Total System - EXCLUDING Sale for Resale												
34	INPUT FROM FORECAST:												
35	Medium & Large Details - Deliveries in kWh:												
36	2,495,442	2,472,428	2,473,860	2,394,773	2,465,172	2,556,987	2,703,865	2,751,411	3,028,541	2,689,568	2,415,429	2,278,238	30,725,714
37	741,851,688	724,362,261	724,284,582	719,056,695	740,311,710	777,793,367	841,445,396	827,542,624	909,890,079	827,134,035	775,230,489	743,127,898	9,352,030,824
38	68,835,335	58,448,601	58,260,415	62,737,580	63,684,979	61,362,245	73,658,907	65,310,519	72,755,007	64,334,156	66,712,020	65,947,809	782,047,573
39	813,182,465	785,283,290	785,018,857	784,189,048	806,461,861	841,712,599	917,808,168	895,604,554	985,673,627	894,157,759	844,357,938	811,353,945	10,164,804,111
40	Total												

Work Paper – 4
Forecasted Net Access Charge Billings

San Diego Gas & Electric Co.
January 1, 2019 Forecasted Net Access Charge Billings
Based on Filed Annual TRR/TRBA and Load Data

Line No	Filed Annual TRR (\$) [1]	Filed Annual Gross Load (MWh) [2]	HV Utility Specific Rate (\$/MWh) [3] = [1]/[2]	TAC Rate (\$/MWh) [4] = total [1]/total [2]	TAC Amount (\$) [5] = [2] * [4]	Net TAC (Benefit)/Burden Amount (\$) [6] = [5] - [1]	Line No
1	\$ 607,371,697	87,900,000	\$ 6.9098	\$ 11.4037	\$ 1,002,387,656	\$ 395,015,959	1
2	\$ 922,104,873	86,694,873	\$ 10.6362	\$ 11.4037	\$ 988,644,716	\$ 66,539,843	2
3	\$ 515,485,809	20,283,944	\$ 25.4135	\$ 11.4037	\$ 231,312,572	\$ (284,173,237)	3
4	\$ 30,169,629	2,507,620	\$ 12.0312	\$ 11.4037	\$ 28,596,215	\$ (1,573,413)	4
5	\$ 1,211,542	257,416	\$ 4.7066	\$ 11.4037	\$ 2,935,502	\$ 1,723,960	5
6	\$ 899,991	144,652	\$ 6.2218	\$ 11.4037	\$ 1,649,572	\$ 749,581	6
7	\$ 15,107,418	1,120,049	\$ 13.4882	\$ 11.4037	\$ 12,772,734	\$ (2,334,684)	7
8	\$ 33,944,568	2,180,985	\$ 15.5639	\$ 11.4037	\$ 24,871,359	\$ (9,073,209)	8
9	\$ 2,425,629	1,154,492	\$ 2.1010	\$ 11.4037	\$ 13,165,512	\$ 10,739,883	9
10	\$ 25,142,901	-	\$ -	\$ 11.4037	\$ 0	\$ (25,142,901)	10
11	\$ 3,270,897	-	\$ -	\$ 11.4037	\$ 0	\$ (3,270,897)	11
12	\$ 124,718,938	-	\$ -	\$ 11.4037	\$ 0	\$ (124,718,938)	12
13	\$ 13,446,313	-	\$ -	\$ 11.4037	\$ 0	\$ (13,446,313)	13
14	\$ 1,476,021	372,179	\$ 3.9659	\$ 11.4037	\$ 4,244,228	\$ 2,768,207	14
15	\$ -	544,970	\$ -	\$ 11.4037	\$ 6,214,689	\$ 6,214,689	15
16	\$ 20,018,531	-	\$ -	\$ 11.4037	\$ 0	\$ (20,018,531)	16
17	\$ 2,316,794,756	203,161,180	\$ -	\$ 11.4037	\$ 2,316,794,756	\$ 0	17
18							18

Work Paper – 5
CAISO PTO HVTRR Input Form

San Diego Gas & Electric Co.
2019 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	735,156,000	884,844,000	1,620,000,000
	TRBAA	(124,532,581)	(90,636,088)	(215,168,669)
	Standby Credit	(3,251,722)	(3,913,818)	(7,165,540)
	Total	607,371,697	790,294,094	1,397,665,791
	Gross Load	87,900,000	87,900,000	87,900,000
	Utility Specific Access Charges (\$/MWh)	6.9098	8.9908	15.9006
	TRR - Eff. Date - Docket# TRBA - Eff. Date - Docket#	7/01/2018 ER17-2154 1/1/2019 ER19-111		
SCE	Base TRR	1,002,301,041	31,019,317	1,033,320,358
	TRBAA	(72,644,844)	(313,478)	(72,958,322)
	Standby Credit	(7,551,324)	(233,699)	(7,785,023)
	Total	922,104,873	30,472,140	952,577,013
	Gross Load	86,694,873	86,694,873	86,694,873
	Utility Specific Access Charges (\$/MWh)	10.6362	0.3515	10.9877
	TRR - Eff. Date - Docket# TRBA - Eff. Date - Docket#	1/1/2019 ER18-169 1/1/2019 ER19-220		
SDG&E	Base TRR	530,419,000	287,285,000	817,704,000
	TRBAA	(6,553,821)	(775,548)	(7,329,369)
	Standby Credit	(8,379,370)	(4,538,426)	(12,917,796)
	Total	515,485,809	281,971,026	797,456,835
	Gross Load	20,283,944	20,283,944	20,283,944
	Utility Specific Access Charges (\$/MWh)	25.4135	13.9012	39.3147
	TRR - Eff. Date - Docket# TRBA - Eff. Date - Docket#	1/1/2018 - ER18-358 1/1/2019 - ER19-209		
Vernon	Base TRR	2,446,805		2,446,805
	TRBAA	(21,176)		(21,176)
	Standby Credit	-		-
	Total	2,425,629		2,425,629
	Gross Load	1,154,492		1,154,492
	Utility Specific Access Charges (\$/MWh)	2.1010		2.1010
	TRR - Eff. Date - Docket# TRBA - Eff. Date - Docket#	1/1/2019 NJ19-1 1/1/2019 NJ19-1		
Anaheim	Base TRR	30,000,000		30,000,000
	TRBAA	169,629		169,629
	Standby Credit	-		-
	Total	30,169,629		30,169,629
	Gross Load	2,507,620		2,507,620
	Utility Specific Access Charges (\$/MWh)	12.0312		12.0312
	TRR - Eff. Date - Docket# TRBA - Eff. Date - Docket#	7/1/2011 ER11-3594 1/1/2018 NJ18-8		

San Diego Gas & Electric Co.
2019 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	1,216,936		1,216,936
	TRBAA	(5,394)		(5,394)
	Standby Credit	-		-
	Total	1,211,542		1,211,542
	Gross Load	257,416		257,416
	Utility Specific Access Charges (\$/MWh)	4.7066		4.7066
	TRR - Eff. Date - Docket#	1/1/2018 NJ14-4		
TRBA - Eff. Date - Docket#	1/1/2018 NJ18-4			
Banning	Base TRR	902,619	-	902,619
	TRBAA	(2,628)	-	(2,628)
	Standby Credit	-	-	-
	Total	899,991	-	899,991
	Gross Load	144,652	144,652	144,652
	Utility Specific Access Charges (\$/MWh)	6.2218	0.0000	6.2218
	TRR - Eff. Date - Docket#	1/1/2018 NJ18-5		
TRBA - Eff. Date - Docket#	1/1/2018 NJ18-5			
Pasadena	Base TRR	15,168,702		15,168,702
	TRBAA	(61,284)		(61,284)
	Standby Credit	-		-
	Total	15,107,418		15,107,418
	Gross Load	1,120,049		1,120,049
	Utility Specific Access Charges (\$/MWh)	13.4882		13.4882
	TRR - Eff. Date - Docket#	11/21/2016 ER17-392		
TRBA - Eff. Date - Docket#	1/1/2018 NJ18-3			
Riverside	Base TRR	34,067,870		34,067,870
	TRBAA	(123,302)		(123,302)
	Standby Credit	-		-
	Total	33,944,568		33,944,568
	Gross Load	2,180,985		2,180,985
	Utility Specific Access Charges (\$/MWh)	15.5639		15.5639
	TRR - Eff. Date - Docket#	1/1/2018 NJ18-6		
TRBA - Eff. Date - Docket#	1/1/2018 NJ18-6			
DATC Path 15	Base TRR	25,571,090		25,571,090
	TRBAA	(428,189)		(428,189)
	Standby Credit	-		-
	Total	25,142,901		25,142,901
	Gross Load	-		-
	Utility Specific Access Charges (\$/MWh)	0.0000		0.0000
	TRR - Eff. Date - Docket#	4/20/2017 ER17-998-000		
TRBA - Eff. Date - Docket#	1/1/2019 ER19-265			

San Diego Gas & Electric Co.
2019 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	(59,103)		(59,103)
	Standby Credit	-		-
	Total	3,270,897		3,270,897
	Gross Load	-		-
	Utility Specific Access Charges (\$/MWh)	0.0000		0.0000
	TRR - Eff. Date - Docket#	1/6/2016 ER16-2192		
TRBA - Eff. Date - Docket#	1/1/2019 ER19-235			
Trans Bay Cable	Base TRR	124,393,100	9,506,900	133,900,000
	TRBAA	325,838	(209,690)	116,148
	Standby Credit	-	-	-
	Total	124,718,938	9,297,210	134,016,148
	Gross Load	-	-	-
	Utility Specific Access Charges (\$/MWh)	0.0000	0.0000	0.0000
	TRR - Eff. Date - Docket#	11/23/2016 ER16-2632		
TRBA - Eff. Date - Docket#	1/1/2018 ER18-501			
Citizens Sunrise	Base TRR	13,570,003	-	13,570,003
	TRBAA	(123,690)	-	(123,690)
	Standby Credit	-	-	-
	Total	13,446,313	-	13,446,313
	Gross Load	-	-	-
	Utility Specific Access Charges (\$/MWh)	0.0000	0.0000	0.0000
	TRR - Eff. Date - Docket#	6/1/2018 ER18-1687		
TRBA - Eff. Date - Docket#	1/1/2019 ER19-45			
Colton	Base TRR	1,493,716	-	1,493,716
	TRBAA	(17,696)	-	(17,696)
	Standby Credit	-	-	-
	Total	1,476,021	-	1,476,021
	Gross Load	372,179	-	372,179
	Utility Specific Access Charges (\$/MWh)	3.9659	0.0000	3.9659
	TRR - Eff. Date - Docket#	1/1/2018 NJ18-7		
TRBA - Eff. Date - Docket#	1/1/2018 NJ18-7			
VEA	Base TRR	-	3,413,410	3,413,410
	TRBAA	-	-	-
	Standby Credit	-	-	-
	Total	-	3,413,410	3,413,410
	Gross Load	544,970	544,970	544,970
	Utility Specific Access Charges (\$/MWh)	0.0000	6.2635	6.2635
	TRR - Eff. Date - Docket#	3/1/2017 ER17-727		
TRBA - Eff. Date - Docket#	3/1/2017 ER17-727			

San Diego Gas & Electric Co.
2019 Forecasted Net Access Charge Billings

HIGH VOLTAGE AND LOW VOLTAGE COMPONENTS				Info Only
PTO		Total HV Filed TRR	Total LV Filed TRR	Combined TRR
GLW	Base TRR	19,869,136	-	19,869,136
	TRBAA	149,395	-	149,395
	Standby Credit	-	-	-
	Total	20,018,531	-	20,018,531
	Gross Load	-	-	-
	Utility Specific Access Charges (\$/MWh)	0.0000	0.0000	0.0000
	TRR - Eff. Date - Docket# TRBA - Eff. Date - Docket#	7/25/2018 ER18-1693 1/1/2018 ER18-558		
Total CAISO Grid	For Information Only			
	Base TRR	2,539,906,018	1,216,068,627	3,755,974,645
	TRBAA	(203,928,846)	(91,934,804)	(295,863,650)
	Standby Credit	(19,182,416)	(8,685,943)	(27,868,359)
	Total	2,316,794,756	1,115,447,880	3,432,242,636
	Gross Load	203,161,180		
	Utility Specific Access Charges (\$/MWh)	11.4037		