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

San Diego Gas & Electric Company Docket No. ER16-

-000

ANNUAL UPDATES FILING OF THE TRANSMISSION REVENUE BALANCING **ACCOUNT ADJUSTMENT (TRBAA)** AND TRANSMISSION ACCESS CHARGE **BALANCING ACCOUNT ADJUSTMENT (TACBAA)**

December 17, 2015



E. Gregory Barnes Attorney

8330 Century Park Court, CP32D San Diego, CA 92123

> Tel: 858-654-1583 Fax: 619-699-5027 gbarnes@semprautilities.com

December 17, 2015

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, 2016 Annual TRBAA and TACBAA Rate Revision, Docket No. ER16- -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 two adjustments to the rates and revenue requirements under its Transmission Owner Tariff ("TO Tariff"). These adjustments, made in accordance with the terms of the TO Tariff, are based on the annual updates to: (1) the Transmission Revenue Balancing Account Adjustment ("TRBAA"); and (2) the Transmission Access Charge Balancing Account Adjustment ("TACBAA").

Specifically, this filing updates: (a) the TRBAA rate for end-use retail customers and the TRBAA to be used by the California Independent System Operator Corporation ("CAISO") in calculating its Transmission Access Charge ("TAC"); and (b) the TACBAA rate. The requested effective date for each of these adjustments is January 1, 2016.³

The documents submitted with this filing are detailed in Section VII at p. 6 below.

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

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

SDG&E's most recent annual TRBAA and TACBAA update filing was accepted by the Commission effective January 1, 2015, in Docket No. ER15-679-000, by delegation letter order dated February 13, 2015.

The Hon. Kimberly D. Bose, Secretary December 17, 2015 Page 2 of 6

I. TRBAA RATES AND REVISIONS

The TRBAA is the ratemaking mechanism designed to ensure that all Transmission Revenue Credits flow through to transmission customers. Section 5.5 of the TO Tariff identifies the items subject to the Transmission Revenue Balancing Account Adjustment and sets forth the procedure for revising the TRBAA rate annually. The TRBAA is based on the recorded balance in the TRBAA as of September 30 of the current year, and a forecast of the Transmission Revenue Credit expected to be received in the following year.

A. TRBAA Rate for End-Use Customers (Retail)

The retail TRBAA rate revision is based on: (a) the recorded TRBAA balance, which includes the principal TRBAA balance as of September 30, 2015; (b) SDG&E's 2016 TRBAA Transmission Revenue Credit forecast; and (c) an adjustment for Franchise Fees and Uncollectible Accounts ("FF&U").

As shown in Statement BK-1 of Attachment C, the TRBAA balance is a credit to End-Use Customers of (\$2,464,403), the forecasted TRBAA Transmission Revenue Credit is a credit of (\$13,309,224), and the FF&U adjustment is a credit of (\$190,072). As a result, the final 2016 retail TRBAA is a credit to End-Use Customers of (\$15,963,699), as compared to the 2015 retail TRBAA revenue requirements which was a credit of (\$11,966,182). The increase in Transmission Revenue Credit was primarily due to the CAISO's distribution of non-refundable interconnection financial security and study deposit amounts related to charge code 8526. To pass through this credit, SDG&E is proposing a 2016 TRBAA rate of (\$0.00081) per kWh, compared to the current rate of (\$0.00060) per kWh.

B. TRBAA for Purposes of Calculating the CAISO's TAC (Wholesale)

The wholesale TRBAA is based on: (a) the recorded TRBAA balance, which includes the principal TRBAA balance as of September 30, 2015; (b) SDG&E's 2016 TRBAA Transmission Revenue Credit forecast; and (c) an adjustment for Franchise Fees. In accordance with CAISO Tariff Section 26.1, SDG&E has allocated the wholesale TRBAA revenue requirement between High and Low Voltage for purposes of calculating CAISO TAC rates. As reflected in Statement BK-2 of Attachment C, the total 2016 TRBAA wholesale revenue requirement for calculating the CAISO's TAC is a credit to customers of (\$15,936,253), which has been allocated to High and Low Voltage at (\$15,731,056) and (\$205,197), respectively.

C. Amendment to Section 5.5 of TO Tariff

SDG&E amends Section 5.5 of its TO Tariff for the term and definition of "U - An adjustment uncollectible accounts expense if applicable". As indicated in Attachments A and B, the Conformed and Redline versions of the TO Tariffs, the amended term and definition will be: "FF&U – An Adjustment for Franchise Fees and Uncollectible Accounts." This amendment conforms the definition to how SDG&E has in fact maintained this balancing account in the past,

The Hon. Kimberly D. Bose, Secretary December 17, 2015 Page 3 of 6

and it maintains consistency with the tariff language of the other California investor owned utilities that participate in the CAISO's open access transmission tariff.⁴

II. TACBAA RATE AND REVISIONS

A. 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 the TACBAA and sets forth the procedure for revising the TACBAA Rate on an annual basis. The 2016 TACBAA rate consists of three components: (1) the projected balance of the TACBAA as of December 31, 2015, including interest, which consists of the recorded balance as of October 31 and the projected change for the remaining months of the period prior to the commencement of the billing cycle implementing a new rate; (2) the forecasted net TACBAA costs for the next rate effective period; and (3) the Franchise Fees and Uncollectible Accounts ("FF&U").

In the combined Statement BK and Statement BL of Attachment D, the total revenue requirements ("RRQ") used in the development of the 2016 TACBAA rate is the sum of the projected year-end balance of the TACBAA of \$67,830,000, a forecast of the TACBAA net costs of (\$237,627,654), and the FF&U adjustment of (\$2,046,062). The derivation of the TACBAA equals (\$171,843,716) and the corresponding TACBAA rate is a credit of (\$0.00870)/kWh. This represents a decrease from the 2015 TACBAA RRQ of (\$270,422,464) and the corresponding rate of (\$0.01359)/kWh. The change in the TACBAA credit was primarily due to an under-forecast of the CAISO's annual TAC billings for 2015.

B. Amendments to Section 5.6 of TO Tariff

In Attachments A and B, the Conformed and Redlined tariffs, SDG&E proposes the following amendments to Section 5.6 of its TO Tariff as follows:

- Br = The balance in the TACBAA, including interest, consisting of the recorded balance and the projected change for the remaining months of the period prior to the commencement of the billing cycle implementing a new rate.
- FF&U = An Adjustment for Franchise Fees and Uncollectible Accounts; and

See, e.g., Pacific Gas & Electric Co. ("PG&E"), Docket No. ER16-487-000, PG&E TO Tariff Sections 5.6 and 5.7; Southern California Edison ("SCE"), Docket No. ER11-3248-000, SCE TO Tariff Sections 5.5 and 5.6.

The Hon. Kimberly D. Bose, Secretary December 17, 2015 Page 4 of 6

> S = Total Gross Load, in kilowatt-hours measured at the customer meter level, recorded for the most recent twelve-month period prior to the Participating TO's filing with the FERC to revise the TACBAA rate.

SDG&E amends the term "Br" to Section 5.6 of its TO Tariff so that it will consist of the recorded balance in the account, plus the projected account balance change that is expected to occur prior to the date when the new rates become effective. Previously, changes that occurred between September 30 of the current year and the rate effective date, which was a period of three months, were not accounted for in the calculation of the principal TACBAA balance. SDG&E's experience with the TACBAA has shown that the current definition of principal balance has contributed to the under-collection in its TACBAA balancing account. This amendment will result in a TACBAA rate that is more accurate.

SDG&E also amends Section 5.6 of its TO Tariff for the term and definition of "U - An adjustment for uncollectible accounts expense if applicable". Attachments A and B reflect the amended term and definition which will be: "FF&U - An Adjustment for Franchise Fees and Uncollectible Accounts." As with the definition revision for the TRBAA described in the prior section, this amendment conforms the definition to how SDG&E has in fact maintained this balancing account in the past, and it maintains consistency with the tariff language of the other California investor owned utilities that participate in the CAISO's open access transmission tariff.

Lastly, SDG&E amends Section 5.6 of its TO Tariff for the definition of the term "S" to include the total gross load, in kilowatt hours measured at the customer meter level, recorded for the most recent twelve-month period prior to the Participating TO's filing with the FERC to revise the TACBAA rate.

III. APPENDIX I REQUIRED PER CAISO TARIFF - SDG&E'S BTRR

The CAISO uses SDG&E's Base Transmission Revenue Requirement ("BTRR") for the derivation of the CAISO TAC rate. The BTRR is divided into High Voltage ("HV") and Low Voltage ("LV") components. Accordingly, SDG&E has included in Attachment E, Appendix I, its BTRR as required by the CAISO tariff. SDG&E is not requesting the Commission to approve this appendix because the HV and LV BTRR components shown in this appendix are approved by the Commission in a separate docket related to the TO Tariff. The HVTRR reflects the TO4, Cycle 3 BTRR that will go into effect January 1, 2016, 5 and the TRBAA amounts come from the instant filing.

SDG&E submitted this TO4, Cycle 3 filing on December 1, 2015, which was docketed no. ER16-445-000. "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 3" refers to the fact the formula rate contemplates annual filings, and that this represents the third such filing under the fourth formula rate.

The Hon. Kimberly D. Bose, Secretary December 17, 2015 Page 5 of 6

IV. 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, 2016. This waiver will permit SDG&E to revise the TACBAA rate based on the most recent BTRR submitted to the Commission, while keeping rate changes pursuant to the TO Tariff with the same effective date of January 1, 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 Sections 5.5 and 5.6 of the TO Tariff require SDG&E to update its TRBAA and 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, 2016 or as outlined above.

V. OTHER MATTERS

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

SDG&E believes that the information contained in this filing provides a sufficient basis upon which to accept this filing. 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.

⁶ In Docket No. ER16-445-000 (filed December 1, 2015).

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

The Hon. Kimberly D. Bose, Secretary December 17, 2015 Page 6 of 6

VI. CORRESPONDENCE

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

E. Gregory Barnes

Attorney

San Diego Gas & Electric Company 8330 Century Park Court, CP32D

San Diego, California 92123

Tel. (858) 654-1583 Fax. (619) 699-5027

gbarnes@semprautilities.com

Jeff Stein

Transmission Revenue Manager

San Diego Gas & Electric Company

8315 Century Park Court

San Diego, California 92123

Tel. (858) 636-5551

Fax (858) 654-1788

JStein@semprautilities.com

VII. LIST OF DOCUMENTS SUBMITTED

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

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

VIII. CONCLUSION

SDG&E respectfully requests that the Commission accepts and approves the rate and tariff changes tendered herewith, effective January 1, 2016.

Respectfully submitted,

E. Gregory Barnes

Attorney For

SAN DIEGO GAS & ELECTRIC COMPANY

December 17, 2015

Enclosures

CERTIFICATE OF SERVICE

I hereby certify that on this 17th day of December, 2015, 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 17th day of December, 2015.

/s/ Tamara Grabowski

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

San Diego Gas & Electric Company 2016 TRBAA & TACBAA Filing

Attachment – A Revised Transmission Owner ("T.O.") Tariff Sheets <u>Conformed Version</u>

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		я	(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 (\$0.00870) per kilowatt-hour shall be billed to all SDG&E End-User Customers.

for information only. In addition, all customers of a Local Publicly Owned Electric Utility that is a Participating TO shall be subject to the Local Regulatory Authority authorized TRBAA, which shall also be submitted to the ISO. The Participating TO's End-User transmission rates, by retail rate schedule, are determined pursuant to the provisions of Appendices VIII and IX hereof. The End-User transmission rates applicable during the Rate Effective Period are available on SDG&E's OASIS, which is shown at www.sdge.com/toforum, or through a link to SDG&E's web page that is accessible through the CAISO's OASIS at www.caiso.com. An End-User shall pay the same End-User transmission rate as other similarly situated End-Use Customers of the Participating TO regardless of its energy supplier. End-Users withdrawing power from the Participating TO's transmission or distribution facilities shall not qualify for transmission access under the Wheeling Access Charge if FERC would be prohibited from ordering transmission service for such customer by Section 212(h) of the FPA.

- Transmission Revenue Requirement. As set forth in the ISO Tariff, the Transmission Revenue Requirement for each Participating TO shall be used to develop the Access Charges set forth in the ISO Tariff. The Transmission Revenue Requirement, High Voltage Transmission Revenue Requirement, and Low Voltage Transmission Revenue Requirement for the Participating TO are set forth in Appendix I.
- 5.5. Transmission Revenue Balancing Account Adjustment (TRBAA). The Participating TO shall maintain a Transmission Revenue Balancing Account Adjustment ("TRBAA") that will ensure that all Transmission Revenue Credits and the refunds, specified in Sections 6 and 8 of Appendix F. Schedule 3 of the ISO Tariff, associated with transmission service are flowed through to customers taking transmission service from the ISO. The TRBAA shall be equal to:

TRBAA = Cr + Cf + I + FF&U

Where:

- Cr = The principal balance in the TRBAA recorded in FERC Account No. 254 as of September 30 of the year prior to commencement of the January billing cycle. This balance represents the unamortized balance in the TRBAA from the previous period and the difference in the amount of revenues from Transmission Revenue Credits and the amount of such revenues that has been refunded to customers through operation of the TRBAA, adjusted for franchise fees and uncollectible accounts expense;
- Cf = The forecast of Transmission Revenue Credits for the following calendar year:
- The interest balance for the TRBAA, which shall be calculated using the interest rate pursuant to Section 35.19(a) of FERC's regulations under the Federal Power Act (18 CFR Section 35.19(a)). Interest shall be calculated based on the average TRBAA principal balance each month, compounded quarterly; and
- FF&U= An adjustment for franchise fees and uncollectible accounts.

Beginning in January of each year, the bills of End-Use Customers of the Participating TO shall include, as a component of the End-User transmission rates, a TRBAA rate per kilowatt-hour (rounded to the nearest \$0.00001) equal to:

component of the End- User transmission rates, a TACBAA rate per kilowatt-hour (rounded to the nearest \$0.00001) equal to:

Where:

Br = The Balance of the TACBAA, including interest, consisting of the recorded balance and the projected change for the remaining months of the period prior to the commencement of the billing cycle implementing a new rate;

Bf = A forecast of the annual Access Charge billings from the ISO;

Rf = A forecast of the annual revenues disbursed by the ISO to the Participating TO pursuant to Section 26.1.3 of the ISO Tariff;

FF&U = An adjustment for franchise fees and uncollectible accounts; and

S = Total Gross Load, in kilowatt-hours measured at the customer meter level, recorded for the most recent twelve-month period prior to the Participating TO's filing with FERC to revise the TACBAA rate.

The TACBAA shall be revised effective January 1 of each year; however, nothing herein shall preclude the Participating TO from filing with the FERC to revise the TACBAA rate at any other time.

San Diego Gas & Electric Company 2016 TRBAA & TACBAA Filing

Attachment – B Revised Transmission Owner ("T.O.") Tariff Sheets <u>Redline Version</u>

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 (\$0.0008160) per kilowatt-hour shall be applied to all SDG&E End-User Customers bills.

ISO Wholesale Transmission Revenue Balancing Account Adjustment TRBAA Service Year 20165

		\$
A:	High Voltage TRBAA	(<u>15,731,056</u> 11,344,773)
B.	Low Voltage TRBAA	<u>(205,197600,836)</u>
		\$
C.	Total ISO Wholesale TRBAA:	(15,936,253 11,945,609)

Transmission Access Charge Balancing Account Adjustment Rate (TACBAA)

A Transmission Access Charge Balancing Account Adjustment Rate equal to

(\$0.008701359) per kilowatt-hour shall be billed to all SDG&E End-User

Customers.

for information only. In addition, all customers of a Local Publicly Owned Electric Utility that is a Participating TO shall be subject to the Local Regulatory Authority authorized TRBAA, which shall also be submitted to the ISO. The Participating TO's End-User transmission rates, by retail rate schedule, are determined pursuant to the provisions of Appendices VIII and IX hereof. The End-User transmission rates applicable during the Rate Effective Period are available on SDG&E's OASIS, which is shown at www.sdge.com/toforum, or through a link to SDG&E's web page that is accessible through the CAISO's OASIS at www.caiso.com. An End-User shall pay the same End-User transmission rate as other similarly situated End-Use Customers of the Participating TO regardless of its energy supplier. End-Users withdrawing power from the Participating TO's transmission or distribution facilities shall not qualify for transmission access under the Wheeling Access Charge if FERC would be prohibited from ordering transmission service for such customer by Section 212(h) of the FPA.

- Transmission Revenue Requirement. As set forth in the ISO Tariff, the Transmission Revenue Requirement for each Participating TO shall be used to develop the Access Charges set forth in the ISO Tariff. The Transmission Revenue Requirement, High Voltage Transmission Revenue Requirement, and Low Voltage Transmission Revenue Requirement for the Participating TO are set forth in Appendix I.
- 5.5. Transmission Revenue Balancing Account Adjustment (TRBAA). The Participating TO shall maintain a Transmission Revenue Balancing Account Adjustment ("TRBAA") that will ensure that all Transmission Revenue Credits and the refunds, specified in Sections 6 and 8 of Appendix F. Schedule 3 of the ISO Tariff, associated with transmission service are flowed through to customers taking transmission service from the ISO. The TRBAA shall be equal to:

Where:

- Cr = The principal balance in the TRBAA recorded in FERC Account No. 254 as of September 30 of the year prior to commencement of the January billing cycle. This balance represents the unamortized balance in the TRBAA from the previous period and the difference in the amount of revenues from Transmission Revenue Credits and the amount of such revenues that has been refunded to customers through operation of the TRBAA, adjusted for franchise fees and uncollectible accounts expense;
- Cf = The forecast of Transmission Revenue Credits for the following calendar year;
- The interest balance for the TRBAA, which shall be calculated using the interest rate pursuant to Section 35.19(a) of FERC's regulations under the Federal Power Act (18 CFR Section 35.19(a)). Interest shall be calculated based on the average TRBAA principal balance each month, compounded quarterly; and
- FF&U= An adjustment for franchise fees and uncollectible accounts.

 expense if applicable.

Beginning in January of each year, the bills of End-Use Customers of the Participating TO shall include, as a component of the End-User transmission rates, a TRBAA rate per kilowatt-hour (rounded to the nearest \$0.00001) equal to:

TRBAA Rate = TRBAA

frozen retail rates established pursuant to California Assembly Bill 1890, the bills of End-Use Customers of the Participating TO shall include, as a component of the End- User transmission rates, a TACBAA rate per kilowatt-hour (rounded to the nearest \$0.00001) equal to:

TACBAA Rate =
$$Br + Bf - Rf + FF&U$$

Where:

Br = The Balance inof the TACBAA, including interest, consisting of the recorded balance as

of September 30 and the projected change for the remaining months of the of the

yearperiod prior to the commencement of the January billing cycle implementing a new

rate;

Bf = A forecast of the annual Access Charge billings from the ISO;

Rf = A forecast of the annual revenues disbursed by the ISO to the Participating TO pursuant to Section 26.1.3 of the ISO Tariff;

FF&U = An adjustment for franchise fees and uncollectible accounts; expense if applicable; and S = Total Gross Load, in The total kilowatt-hours of Gross Load measured at the customer meter level, as recorded for the most recent twelve—month period ending September 30 of the year prior to the Participating TO's filing with FERC to revise the TACBAA rate.commencement of the January billing cycle.

The TACBAA shall be revised effective January 1 of each year; however, nothing herein shall preclude the Participating TO from filing with the FERC to revise the TACBAA rate at any other time.

San Diego Gas & Electric Company 2016 TRBAA Rate Filing

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

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

		<u>Pages</u>
A.	Statement BD – Allocation Energy and Supporting Data	1 - 3
В.	Statement BG – Revenue Data to Reflect Changed Rates	1 - 4
C.	Statement BH – Revenue Data to Reflect Present Rates	1 - 3
D.	Statement BK1 – Derivation of Retail TRBAA	1
E.	Statement BK2 – Derivation of ISO-Wholesale TRBAA	1
F.	Statement BL – Retail TRBAA Rate Calculation	1
G.	Statement BL – Wholesale TRBAA Rate Calculation	1
H.	TRBAA Work Papers 1. WP-1 Allocation of TRBAA Balance as of 9/30/2015	1.1
	2. WP-2 Monthly TRBAA Detailed Activities	2.1 - 2.5
	3. WP-3 Summary of Monthly CAISO Charge Types	3.1 - 3.2
	4. WP-4 Summary of Transmission Revenue (Credits)/Charges Forecast	4.1
	5. WP-5 Derivation of Wheeling Revenue Forecast	5.1 - 5.3
	6. WP-6 Derivation of Settlements, Metering and Client Relations Forecast	6.1 - 6.2
	7. WP-7 Derivation of ETC Cost Differentials Forecast	7.1 - 7.2
	8. WP-8 Monthly Recorded ETC Cost Differentials Charge Types	8.1 - 8.3
	9. WP-9 Derivation of Other PTO Related Revenue (Credits)/Charges Forecast	9.1 - 9.3B
	10. WP 10 Monthly Recorded Other PTO Related Revenue (Credits)/Charges	10.1 - 10.2
	11. WP-11 Standby Revenues	11.1
	12 WP 12 Recorded Sales and Forecast Sales Information	12.1 12.2

San Diego Gas & Electric Company

Attachment – C (Cont'd)

A. Statement BD - Allocation Energy and Supporting Data

			Statement BD	ent BD		
			San Diego Gas &]	Diego Gas & Electric Company		
			2016 - TRBAA Rate Filing	A Rate Filing		
			Allocation Energy and Supporting Data	nd Supporting Data		
		(A)	(B)	(C) = (A) - (B)		
		Retail Energy Sales	Sale for Resale	Retail Energy Sales		
Line		(a) Meter Level	(Escondido	@ Meter Level		Line
No.	Date	Plus Sale for Resale	Mutual) ¹	Net of Sale for Resale	Reference	No.
-	Oct-14	1,818,280,061	4,679	1,818,275,382	Workpaper No. 12; Page 12.1; Lines 30; 29	
2	Nov-14	1,583,013,782	11,300	1,583,002,482	Workpaper No. 12; Page 12.1; Lines 30; 29	2
3	Dec-14	1,585,803,025	14,983	1,585,788,042	Workpaper No. 12; Page 12.1; Lines 30; 29	3
4	Jan-15	1,665,917,740	7,458	1,665,910,282	Workpaper No. 12; Page 12.1; Lines 30; 29	4
S	Feb-15	1,547,755,994	460	1,547,755,534	Workpaper No. 12; Page 12.1; Lines 30; 29	S
9	Mar-15	1,486,104,093	3,395	1,486,100,698	Workpaper No. 12; Page 12.1; Lines 30; 29	9
7	Apr-15	1,529,443,838	6,764	1,529,437,074	Workpaper No. 12; Page 12.1; Lines 30; 29	7
∞	May-15	1,501,105,246	4,492	1,501,100,754	Workpaper No. 12; Page 12.1; Lines 30; 29	∞
9	Jun-15	1,443,047,630	574	1,443,047,056	Workpaper No. 12; Page 12.1; Lines 30; 29	6
10	Jul-15	1,746,689,756	1,533	1,746,688,223	Workpaper No. 12; Page 12.1; Lines 30; 29	10
11	Aug-15	1,779,922,387	535	1,779,921,852	Workpaper No. 12; Page 12.1; Lines 30; 29	11
12	Sep-15	1,934,884,408	536	1,934,883,872	Workpaper No. 12; Page 12.1; Lines 30; 29	12
13						13
14						14
15	Total	19,621,967,960	56,709	19,621,911,251	Sum Lines 1 thru 12	15
	Notes:					
1	Escondido Mutual sa	Escondido Mutual sales are excluded from the KWh total because they are classified as sales to wholesale customers.	Wh total because they	are classified as sales to	wholesale customers.	

			Statement BD	ent BD		
			San Diego Gas & I	Diego Gas & Electric Company		
			2016 - TRBAA Rate Filing	A Rate Filing		
			Allocation Energy and Supporting Data	nd Supporting Data		
		(A)	(B)	(C) = (A) - (B)		
		Retail Energy Sales	Sale for Resale	Retail Energy Sales		
Line		(a) Meter Level	(Escondido	@ Meter Level		Line
No.	Date	Plus Sale for Resale	Mutual) ¹	Net of Sale for Resale	Reference	No.
1	Jan-16	1,721,620,279	3,249	1,721,617,031	Workpaper No. 12; Page 12.2; Lines 30; 29	1
2	Feb-16	1,599,010,033	3,068	1,599,006,965	Workpaper No. 12; Page 12.2; Lines 30; 29	2
3	Mar-16	1,559,170,558	3,090	1,559,167,468	Workpaper No. 12; Page 12.2; Lines 30; 29	Ж
4	Apr-16	1,510,609,164	3,014	1,510,606,150	Workpaper No. 12; Page 12.2; Lines 30; 29	4
5	May-16	1,541,348,309	3,037	1,541,345,272	Workpaper No. 12; Page 12.2; Lines 30; 29	5
9	Jun-16	1,613,144,496	3,149	1,613,141,347	Workpaper No. 12; Page 12.2; Lines 30; 29	9
7	Jul-16	1,781,127,633	3,197	1,781,124,436	Workpaper No. 12; Page 12.2; Lines 30; 29	7
∞	Aug-16	1,776,122,022	3,020	1,776,119,002	Workpaper No. 12; Page 12.2; Lines 30; 29	~
6	Sep-16	1,937,642,729	3,179	1,937,639,550	Workpaper No. 12; Page 12.2; Lines 30; 29	6
10	Oct-16	1,694,614,387	3,033	1,694,611,354	Workpaper No. 12; Page 12.2; Lines 30; 29	10
11	Nov-16	1,612,917,043	3,062	1,612,913,981	Workpaper No. 12; Page 12.2; Lines 30; 29	11
12	Dec-16	1,665,936,489	3,177	1,665,933,312	Workpaper No. 12; Page 12.2; Lines 30; 29	12
13						13
14						14
15	Total	20,013,263,143	37,274	20,013,225,869	Sum Lines 1 thru 12	15
	Notes:					
-	Escondido Mutual se	ales are excluded from the K	Wh total because they	are classified as sales to	Escondido Mutual sales are excluded from the KWh total because they are classified as sales to wholesale customers not retail.	
	Forecast sales are us	Forecast sales are used to develop Statements BG and BH, Revenues at Proposed Rates and Revenues at Present Rates.	G and BH, Revenues a	t Proposed Rates and Re	venues at Present Rates.	

			Statement BD	Q		
		SAN DIE	EGO GAS & ELECTRIC COMPANY	FRIC COMPANY		
			2016 - TRBAA Rate Filing	te Filing		
			January 2016 - December 2016	nber 2016 ¹		
		WWH SA	MWH SALES FORECAST @ Transmission Level	Transmission Level		
		(a)	(p)	$(c) = (a) \times (b)$		
		Retail Energy Sales	Loss	Retail Energy Sales		
Line		@ Meter Level	Adjustment Factor	@ Transmission Level		Line
Š.	Months	Net of Sale for Resale	ER16-445-000 ²	Net of Sale for Resale	Reference	No.
-	Jan-16	1,721,617		1,791,448	Workpaper No. 12; Page 12.2; Line 12	1
2	Feb-16	1,599,007		1,663,865	Workpaper No. 12; Page 12.2; Line 12	2
m	Mar-16	1,559,167		1,622,410	Workpaper No. 12; Page 12.2; Line 12	8
4	Apr-16	1,510,606		1,571,879	Workpaper No. 12; Page 12.2; Line 12	4
S	May-16	1,541,345		1,603,864	Workpaper No. 12; Page 12.2; Line 12	S
9	Jun-16	1,613,141		1,678,573	Workpaper No. 12; Page 12.2; Line 12	9
7	Jul-16	1,781,124		1,853,369	Workpaper No. 12; Page 12.2; Line 12	7
∞	Aug-16	1,776,119		1,848,161	Workpaper No. 12; Page 12.2; Line 12	8
6	Sep-16	1,937,640		2,016,233	Workpaper No. 12; Page 12.2; Line 12	6
10	Oct-16	1,694,611		1,763,347	Workpaper No. 12; Page 12.2; Line 12	10
11	Nov-16	1,612,914		1,678,336	Workpaper No. 12; Page 12.2; Line 12	11
12	Dec-16	1,665,933		1,733,506	Workpaper No. 12; Page 12.2; Line 12	12
13						13
14	Total	20,013,226	1.04056	5 20,824,991	Sum Lines 1 thru 12	14
15						15
16	Total Retail MWH Sales @ Tra	Transmission Level	-	20,824,991	Line 14; Column B	16
-	This information is used for CAISO TAC purposes as shown	AISO TAC purposes as show		holesale. The sales foreca	in Statement BL -Wholesale. The sales forecast excludes Sale for Resale.	
7	See Cost Statement BB; Page 1; Line 22; Column B. FERC Docket No. ER16-445-000; TO4-Cycle 3; filed December 1,	; Line 22; Column B. FERC	Docket No. ER16-44	.5-000; TO4-Cycle 3; filed	December 1, 2015.	
	The 1.04056 factor is used to convert the retail sales forecast	onvert the retail sales foreca		at meter level up to the transmission level.		

San Diego Gas & Electric Company

Attachment C - (Cont'd)

B. Statement BG - Revenue Data to Reflect Changed Rates

Statement BG									Line	No.	1	2	3	4	5	9	7	8	6	10	11	12	13	
Statement BG			cast Billing Determinants							Reference	Statement BG; Pg.2 of 4; Col.M; Ln.1	Statement BH; Pg.1 of 3; Col.M; Ln.1	Statement BG; Pg.2 of 4; Col.M; Ln.3	Statement BH; Pg.1 of 3; Col.M; Ln.3	Statement BG; Pg.2 of 4; Col.M; Ln.5	Statement BH; Pg.1 of 3; Col.M; Ln.5	Statement BG; Pg.2 of 4; Col.M; Ln.7	Statement BH; Pg.1 of 3; Col.M; Ln.7	Statement BG; Pg.2 of 4; Col.M; Ln.9	Statement BH; Pg.1 of 3; Col.M; Ln.9	Statement BG; Pg.2 of 4; Col.M; Ln.11	Statement BH; Pg.1 of 3; Col.M; Ln.11	Sum Lines 1 through 11	
SAN DIEGO GAS & ELECTRIC COMPANY			ective Period (a) Forec	r 31, 2016		(q)/(c) = (p)			(%)	Increase/(Decrease)	35.00%		35.00%		35.00%		35.00%		35.00%		35.00%		35.00%	
Statement	BG	CTRIC COMPANY	nues During Rate Eff	oths Ending Decembe		(c) = (a) - (b)				(\$) Change			(404,393)		(2,099,752)		(17,466)		(49,004)		(19,074)		\$ (4,202,779)	
SAN	Statement	DIEGO GAS & ELE	count (TRBAA) Reve	ve Period Twelve Mor	(000\$)	(p)	(Statement BH)	2016	TRBAA Revenues	@ Present Rates			(1,155,410)		(5,999,293)		(49,896)		(140,010)		(54,500)		\$ (12,007,935)	
mparison of Transmission F omer Classes Customers mmercial Customers ad TOU-PA)		NAS	Revenue Balancing Ac	For Rate Effective		(a)	(Statement BG)	2016	TRBAA Revenues	@ Proposed Rates			(1,559,803)		(8,099,045)		(67,362)		(189,014)		(73,574)		\$ (16,210,714)	
Residential Cus Small Commerc Medium-Large Agriculture (PA		E	Comparison of Transmission I						ne	o. Customer Classes	1 Residential Customers	2	3 Small Commercial Customers	4	5 Medium-Large Commercial Customers	9	7 Agriculture (PA and TOU-PA)	8	9 Agriculture (PA-T-1)		11 Street Lighting Customers	12	13 Grand Total	

١							Statement BG								
ĺ						SAN DIEGO GAS AND ELECTRIC COMPANY	AND ELECTR	IC COMPANY		ļ.					
				Trans	smission Revenu	Transmission Revenue Balancing Account (TRBA) Revenue Data To Reflect Changed Rates	mt (TRBA) Reve	inue Data To Ref	lect Changed Ra	tes					
			١		Rate Effe	Rate Effective Period - Twelve Months Ending December 31, 2016	elve Months End	ing December 31	, 2016	:					
		(A)	(B)	(C)	(D)	(E)	(F)	(Đ)	(H)	(I)	(J)	(K)	(T)	(M)	
Line	Customer Class	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	Line
Š.															No.
1	Residential Customers 1	\$ (589,210)	\$ (515,802)	\$ (494,046)	\$ (452,334)	\$ (447,588) \$	(470,435) \$	(539,924)	\$ (553,095)	\$ (614,317)	\$ (513,405)	\$ (482,292)	\$ (549,468) \$	(6,221,916)	-
2															7
3	Small Commercial 2	(129,869)	(124,495)	(122,914)	(119,243)	(121,877)	(127,824)	(139,796)	(138,673)	(149,747)	(133,371)	(125,353)	(126,641)	(1,559,803)	ю
4															4
5	Medium-Large Commercial 3	(653,641)	(633,454)	(624,514)	(628,323)	(651,586)	(677,030)	(728,764)	(713,875)	(770,623)	(695,527)	(672,027)	(649,681)	(8,099,045)	3
9															9
7	Agriculture (PA and TOU-PA) 4	(3,710)	(3,754)	(3,789)	(4,563)	(5,529)	(6,716)	(7,532)	(7,420)	(7,914)	(6,608)	(5,447)	(4,380)	(67,362)	7
8		,													∞
6	Agriculture (PA-T-1) ⁵	(11,683)	(11,614)	(11,592)	(13,203)	(15,951)	(18,457)	(20,429)	(19,631)	(20,619)	(17,708)	(15,230)	(12,897)	(189,014)	6
10															10
11	Street Lighting 6	(6,398)	(9,076)	(6,071)	(5,925)	(5,958)	(6,182)	(6,266)	(5,962)	(6,268)	(6,018)	(6,110)	(6,340)	(73,574)	11
12															12
13															13
14	GRAND TOTAL	\$ (1,394,511) \$	\$ (1,295,195) \$	\$ (1,262,926) \$	\$ (1,223,591)	\$ (1,248,489)	\$ (1,306,644)	\$ (1,442,711)	\$ (1,438,656)	\$ (1,569,488)	\$ (1,372,637)	\$ (1,306,459)	\$ (1,349,407) \$	(16,210,714)	14
_															
1	See pages 3 and 4 for detailed calculation of Residential Customer revenues that reflect changed rates.	ulation of Resident	tial Customer rev	enues that reflect	changed rates.										
7	See pages 3 and 4 for detailed calculation of Small Commercial Customer revenues that reflect changed rates.	ulation of Small Co	ommercial Custo	mer revenues that	reflect changed	rates.									
3	See pages 3 and 4 for detailed calculation of Medium and Large Commercial Customer revenues that reflect changed rates.	ulation of Medium	and Large Com	nercial Customer	revenues that ref	llect changed rates									
7	See pages 3 and 4 for detailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect changed rates	ulation of Agricult	ure (PA and TO)	J-PA) Customer 1	evenues that refl	ect changed rates.									
¥0	See pages 3 and 4 for detailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates.	ulation of Agricult	ure (PA-T-1) Cu	stomer revenues t	hat reflect chang	ed rates.									
v	See pages 3 and 4 for detailed calculation of Street Lighting Customer revenues that reflect changed rates.	ulation of Street La	ghting Customer	revenues that ref	lect changed rate	s.									

The content classes				THE LANGE	Statement BG	BG	VIIV			
Total March Marc			Transmission	SAN DIE	JO GAS AND EL	ECIRIC COMPA	NY	d Dates		
Small Commercial Small Comme			Lransmission	Revenue balancii Twelve	Months Ending L	becember 31, 2016	o reflect Change	d Kates		
Link April	+									
Table December Classes Dec			(A)	(B)	(3)	(a)	(E)	(F)	(G)	
Residential Contoner Classes Energy (1989)			Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Keterence	T in
Residential Customeres 727,418,80 GOS,972,415 GOS,973,415 GOS,973,416 GOS,973,416<	No.	Customer Classes	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)		No.
Residential Consensers										
Modimestration 160,331,520 151,764,769	-	Residential Customers	727,419,849	636,792,165	609,933,415	558,437,152	552,577,446	580,784,274	Workpaper No. 12; Page 12.2; Line 23	
Agriculture (P.AII.)	3 2	Small Commercial	160,331,520	153,697,926	151,745,769	147,213,246	150,465,496	157,807,522	Workpaper No. 12; Page 12.2; Line 24	2 %
Notition Large Commercial 806,685/76 78,26/152 77,1005.23 77,707,508 84,427,595 85,828,911 Workspeer No. 12, Page 12, Line 25	4									4
Approuline (PA and TOU-PA) 4,861,74 4,651,96 4,673,88 14,230,85 </td <td>5,</td> <td>Medium-Large Commercial</td> <td>806,963,765</td> <td>782,041,552</td> <td>771,005,238</td> <td>775,707,508</td> <td>804,427,595</td> <td>835,839,811</td> <td>Workpaper No. 12; Page 12.2; Line 25</td> <td>5</td>	5,	Medium-Large Commercial	806,963,765	782,041,552	771,005,238	775,707,508	804,427,595	835,839,811	Workpaper No. 12; Page 12.2; Line 25	5
Agriculture (PA-T-1)	7 0	Agriculture (PA and TOU-PA)	4,580,174	4,634,909	4,677,383	5,633,199	6,826,506	8,290,769	Workpaper No. 12; Page 12.2; Line 26	0 7
TOTAL 1,216,100 1,501,167 1,501,000 1,501,167 1,501,16	∞ 0	A Trainition (BA T 1)	14 423 202	14 330 053	14 310 057	16 200 756	10 602 252	22 706 463	Windows No. 10, Been 10 9, Line 27	∞ 0
Street Lighting	10	Agriculure (FA-1-1)	14,472,237	14,530,032	14,510,557	10,799,100	19,094,232	77,700,403	workpaper ivo. 12, rage 12.2, Line 2/	10
TOTAL	11	Street Lighting	7,898,431	7,501,561	7,494,706	7,315,289	7,355,977	7,632,508	Workpaper No. 12; Page 12.2; Line 28	11
Scheme S	12	TOTAI	1 721 617 031	1 599 006 965	1 559 167 468	1 510 606 150	1 541 345 272	1 613 141 347	Sum Lines 1 thm 11	12
Si(Wh)	5 4		1006110611161	20060060061	0016101610161	201622501011			11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14
Signature (PA-T-1) Signatu	15									15
Residential Customere	16									16
Small Cummercial S	17		\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)		17
Medium-Large Commercial S (0.00081) S	× 1 0	Recidential Cuctomere	9	e				G	Statement BI · Page 1 · I inc 25	18
Small Commercial \$ (0,00081)	20			,	,		•	,		20
Agriculture (PA and TOU-PA) \$ (0.00081) \$	21	Small Commercial	0)	8	69		69		Statement BL; Page 1; Line 25	21
Agriculture (PA-T-1) \$ (0.00081) </td <td>22</td> <td></td> <td>\$</td> <td>•</td> <td>E</td> <td></td> <td>6</td> <td></td> <td>70</td> <td>22</td>	22		\$	•	E		6		70	22
Agriculture (PA-T-1) \$ (0.00081) </td <td>24 24</td> <td>Medium-Large Commercial</td> <td>2</td> <td>A</td> <td>A</td> <td></td> <td>A</td> <td></td> <td>Statement BL; rage 1; Line 23</td> <td>24</td>	24 24	Medium-Large Commercial	2	A	A		A		Statement BL; rage 1; Line 23	24
Street Lighting S (0.00081)	25	Agriculture (PA and TOU-PA)	0)	6-5	s		69		Statement BL; Page 1; Line 25	25
Street Lighting Street Lig	56	1	;			,				76
Street Lighting S (0.00081) S (0.00081) S (0.00081) S (1ine 25) Revenues @ Changed Rates Line 1 x Line 1 x Line 1 S Line 25 Small Commercial (129,869) (124,495) (122,914) (119,243) (121,877) (127,824) Line 3 x Line 21 Agriculture (PA and TOU-PA) (653,641) (633,454) (624,514) (628,323) (651,586) (677,030) Line 7 x Line 25 Agriculture (PA and TOU-PA) (11,618) (11,614) (11,529) (113,203) (15,529) (6716) Line 7 x Line 25 Agriculture (PA and TOU-PA) (11,614) (11,614) (11,520) (6716) (6716) Line 7 x Line 25 Agriculture (PA and TOU-PA) (11,614) (11,614) (11,520) (6716) (6716) (6716) (6716) Agriculture (PA and TOU-PA) (6,076) (6,076) (6,076) (6,076) (6,076) (6,076) (6,076) (6,076)	27	Agriculture (PA-T-1)	9	64		64	69	60	Statement BL; Page 1; Line 25	27
Revenues @ Line 3 x Line 2 x L	29	Street Lighting	9	69		69	6-5	69	Statement BL; Page 1; Line 25	9 63
Revenues @ Changed Rates Changed	30									30
Revenues @ Changed Rates Ch	31									31
Residential Customercial \$ (589,210) \$ (123,802) \$ (494,046) \$ (452,334) \$ (447,588) \$ (470,435) Line 1 x Line 19 Small Commercial (129,869) (124,495) (122,914) (119,243) (121,877) (127,824) Line 3 x Line 21 Medium-Large Commercial (653,641) (633,454) (624,514) (628,323) (651,586) (677,030) Line 5 x Line 23 Agriculture (PA and TOU-PA) (3,710) (3,784) (11,614) (11,592) (13,203) (6,716) Line 7 x Line 23 Agriculture (PA-T-1) (11,614) (11,622,926) (6,725) (6,182) Line 9 x Line 27 Street Lighting (6,398) (6,076) (6,071) (5,928) (6,182) Line 11 x Line 29 TOTAL (1,294,511) (1,262,926) (1,223,591) (1,224,489) (1,248,489) (1,206,644) (1,206,444)	32		Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates		32
Residential Customers \$ (589,210) \$ (515,802) \$ (440,946) \$ (447,588) \$ (447,588) \$ (470,435) Line 1 x Line 19 Small Commercial (129,869) (124,495) (122,914) (119,243) (121,877) (127,824) Line 3 x Line 21 Medium-Large Commercial (653,641) (633,454) (624,514) (628,323) (651,586) (677,030) Line 5 x Line 23 Agriculture (PA and TOU-PA) (3,710) (3,754) (11,683) (11,614) (11,592) (13,203) (15,951) (18,457) Line 9 x Line 27 Agriculture (PA-T-1) (11,683) (6,076) (6,071) (5,225) (5,958) (6,182) Line 11 x Line 29 Street Lighting (6,398) (6,076) (6,071) (6,022,926) (1,248,489) (1,248,489) Stributure (1 x Line 29)	33									33
Small Commercial (129,869) (124,495) (122,914) (119,243) (121,877) (127,824) Line 3 x Line 21 Medium-Large Commercial (653,641) (633,454) (624,514) (628,323) (651,586) (677,030) Line 5 x Line 23 Agriculture (PA and TOU-PA) (3,710) (3,754) (3,789) (4,563) (5,529) (6,716) Line 7 x Line 25 Agriculture (PA-T-1) (11,683) (11,614) (11,592) (13,203) (15,951) (18,457) Line 9 x Line 27 Street Lighting (6,076) (6,071) (6,071) (5,925) (5,928) (6,182) Line 11 x Line 29 TOTAL \$ (1,394,511) \$ (1,262,926) \$ (1,222,991) \$ (1,248,489) \$ (1,306,644) Sum Lines 34 through 44	35	Residential Customers		e e			·A	æ	Line 1 x Line 19	35
Medium-Large Commercial (653,641) (633,454) (624,514) (628,323) (651,586) (677,030) Line 5 x Line 23 Agriculture (PA and TOU-PA) (3,710) (3,784) (3,789) (4,563) (5,529) (6,716) Line 7 x Line 23 Agriculture (PA-T-1) (11,683) (11,614) (11,592) (13,203) (15,951) (18,457) Line 7 x Line 27 Street Lighting (6,076) (6,071) (5,925) (5,958) (6,182) Line 11 x Line 29 TOTAL \$ (1,394,511) \$ (1,265,195) \$ (1,223,591) \$ (1,248,489) \$ (1,306,644) Sum Lines 34 through 44	36	Small Commercial	(129,869)	(124,495)	(122,914)	(119,243)	(121,877)	(127,824)	Line 3 x Line 21	36
Medium-Large Commercial (653,641) (633,454) (624,514) (628,323) (651,586) (677,030) Line 5 x Line 23 Agriculture (PA and TOU-PA) (3,710) (3,754) (3,789) (4,563) (5,529) (6,716) Line 7 x Line 25 Agriculture (PA-T-1) (11,683) (11,614) (11,592) (13,203) (15,951) (18,457) Line 9 x Line 27 Street Lighting (6,398) (6,076) (6,071) (5,925) (5,928) (6,182) Line 11 x Line 29 TOTAL 5 (1,394,511) 5 (1,265,926) 5 (1,223,591) 5 (1,248,489) 5 (1,306,644) Sum Lines 34 through 44	37									37
Agriculture (PA and TOU-PA) (3,710) (3,724) (3,789) (4,563) (5,529) (6,716) Line 7 x Line 25 Agriculture (PA-T-1) (11,683) (11,614) (11,592) (13,203) (15,951) (18,457) Line 9 x Line 27 Street Lighting (6,398) (6,076) (6,071) (5,925) (5,958) (6,182) Line 11 x Line 29 TOTAL \$ (1,394,511) \$ (1,265,926) \$ (1,223,991) \$ (1,248,489) \$ (1,306,644) Sum Lines 34 through 44	38	Medium-Large Commercial	(653,641)	(633,454)	(624,514)	(628,323)	(651,586)	(677,030)	Line 5 x Line 23	38
Agriculture (PA-T-1) (11,683) (11,514) (11,592) (13,203) (15,951) (18,457) Line 9 x Line 27 Street Lighting (6,398) (6,076) (6,071) (5,925) (5,958) (6,182) Line 11 x Line 29 TOTAL S (1,394,511) \$ (1,295,195) \$ (1,262,926) \$ (1,223,591) \$ (1,248,489) \$ (1,306,644) Sum Lines 34 through 44	40	Agriculture (PA and TOU-PA)	(3,710)			(4,563)			Line 7 x Line 25	9
Agriculture (PA-T-1) (11,683) (11,614) (11,592) (13,203) (15,951) (18,457) Line 9 x Line 27 Street Lighting (6,398) (6,076) (6,071) (5,925) (5,958) (6,182) Line 11 x Line 29 TOTAL TOTAL S (1,394,511) \$ (1,295,195) \$ (1,262,926) \$ (1,223,591) \$ (1,248,489) \$ (1,306,644) Sum Lines 34 through 44	41									41
Street Lighting (6,398) (6,076) (6,071) (5,925) (5,958) (6,182) Line 11 x Line 29 TOTAL \$ (1,394,511) \$ (1,262,926) \$ (1,223,591) \$ (1,248,489) \$ (1,306,644) Sum Lines 34 through 44	42	Agriculture (PA-T-1)	(11,683)						Line 9 x Line 27	54 5
TOTAL S (1,394,511) \$ (1,295,195) \$ (1,223,591) \$ (1,248,489) \$ (1,306,644) Sum Lines 34 through 44	t 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Street Lighting	(6.398)			(5.925)			Line 11 x Line 29	3 4
TOTAL S (1,394,511) \$ (1,295,195) \$ (1,262,926) \$ (1,223,591) \$ (1,248,489) \$ (1,306,644) Sum Lines 34 through 44	45									45
	46	TOTAL	(1,3	es	S	↔	64	6-5	Sum Lines 34 through 44	46

12/2/2015

					Statement BG					
		· La	Transmission Day	SAN DIEGO GAS AND ELECTRIC COMPANY Beneaus Balancing A count (TDBA) Denomis Date To Bellact Channel Bates	AND ELECTRIC	COMPANY	of Changed Pates			
		BILL		Twelve Months	Twelve Months Ending December 31, 2016	r 31, 2016	or Changes Nates			
\dagger		Œ	8	E	(K)	Û	8	8	(0)	Ţ
+		Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference	
Line	5	T. CAND.	T (1437b.)	T (1-1171.)	December Change	The court of Martin	The comment of the comment	The comment of the co		Line
	Customer Classes	Energy (Kwn)	Energy (kwn)	Energy (Kwn)	Energy (kwn)	Energy (kwn)	Energy (Kwn)	Ellergy (KWn)		NO.
-	Residential Customers	666,573,134	682,833,044	758,415,886	633,833,086	595,422,269	678,355,670	7,681,377,391	Workpaper No. 12; Page 12.2; Line 23	-
7 %	Small Commercial	172.587.689	171.201.558	184.872.950	164.655.053	154.757.034	156,346,731	1.925.682.495	Workpaper No. 12; Page 12.2; Line 24	m 2
4		Î								4
5	Medium-Large Commercial/Industrial	899,708,532	881,327,324	951,386,527	858,675,091	829,663,454	802,075,681	9,998,822,077	Workpaper No. 12; Page 12.2; Line 25	5
0 1	Agriculture (PA and TOU-PA)	9,298,378	9,160,827	9,770,347	8,157,777	6,724,985	5,406,853	83,162,105	Workpaper No. 12; Page 12.2; Line 26	0 6
∞ 0	Agriculture (PA-T-1)	25,220,539	24,236,237	25,455,368	21,861,203	18,802,814	15,921,635	233,349,370	Workpaper No. 12; Page 12.2; Line 27	× 0
2		101000	0,000	10000	400 144	200 000	0,000	000 000		9 ;
12	Street Lighting	7,736,164	7,360,012	7,738,471	7,429,144	7,543,424	7,826,742	90,832,430	Workpaper No. 12; Page 12.2; Line 28	11
13	TOTAL	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	Sum Lines 1 - 11	13
4										14
15										15
17		\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)			17
18						,				18
19	Residential Customers	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)		Statement BL; Page 1; Line 25	19
21	Small Commercial	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)		Statement BL; Page 1; Line 25	21
2		-	;				,		,	22
2 23	Medium-Large Commercial	\$ (0.00081)	(0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)		Statement BL; Page 1; Line 25	23
2, 22	Agriculture (PA and TOU-PA)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)		Statement BL; Page 1; Line 25	25
32	A minimum (DA T 1)		G			\$ (0,00001)			Strong DI . Dong 1. I in D. C.	7 26
77 80	Agnemme (FA-1-1)	(0.00081)) e	6	6		A		Statement BL; rage 1; Line 23	78
8 8 1	Street Lighting	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)	\$ (0.00081)		Statement BL; Page 1; Line 25	29 29
3 2										31
32		Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates		32
33	Residential Customers	\$ (539,924)	_		\$ (513,405)	\$ (482,292)	\$ (549,468)	\$ (6,221,916)	Line 1 x Line 19	33
35										35
36	Small Commercial	(139,796)	(138,673)	(149,747)	(133,371)	(125,353)	(126,641)	(1,559,803)	Line 3 x Line 21	36
38	Medium-Large Commercial	(728,764)	(713,875)	(770,623)	(695,527)	(672,027)	(649,681)	(8,099,045)	Line 5 x Line 23	38
2 4	Agriculture (PA and TOU-PA)	(7,532)	(7,420)	(7,914)	(6,608)	(5,447)	(4,380)	(67,362)	Line 5 x Line 25	£ 6
41										41
2 4	Agriculture (PA-T-1)	(20,429)	(19,631)	(20,619)	(17,708)	(15,230)	(12,897)	(189,014)	Line 5 x Line 27	42
4 4	Street Lighting	(6,266)	(5,962)	(6,268)	(6,018)	(6,110)	(6,340)	(73,574)	Line 7 x Line 29	44
5 4	TOTAL	\$ (1,442,711)	\$ (1,438,656)	\$ (1,569,488)	\$ (1,372,637)	\$ (1,306,459)	\$ (1,349,407)	\$ (16,210,714)	Sum Lines 34 through 44	46
1		_								4

San Diego Gas & Electric Company

Attachment – C (Cont'd)

C. Statement BH - Revenue Data to Reflect Present Rates

Transcristion Revenue Balancing Account (TRBA) Revenue Data To Reflect Present Rates Rate Effective Period - Twelve Months January I, 2016 through Decamber 31, 2016 (F) (T) (T) (T) (T) (T) (T) (T) (T) (T) (T							SAN DIEGO GAS AND ELECTRIC COMPANY	Statement BH S AND ELECTR	IC COMPANY							
(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)					Tra	nsmission Reven	ue Balancing Acc	ount (TRBA) Re	venue Data To Re	effect Present Ra	ıtes					
CB CF CB CB CB CB CB CB						Rate Effective Pe	ariod - Twelve Mc	onths January 1,	2016 through Dec	ember 31, 2016						
Hay-16 Jun-16 Jul-16 Aug-16 Sep-16 Oct-16 Nov-16 Dec-16 Total				(6	(5)	É	Ę	E	Ś	E	E	٤	(4)	ξ	6	
May-16 Jun-16 Aug-16 Sep-16 Oct-16 Nov-16 Dec-16 Total (331,546) S. (348,471) \$ (399,944) \$ (405,700) \$ (455,050) \$ (380,300) \$ (357,253) \$ (407,013) \$ (4608,826) (90,279) (94,685) (103,553) (102,721) (110,924) (98,793) (92,854) (93,808) (1,155,410) (482,657) (301,504) (539,232) (570,832) (570,832) (515,205) (497,798) (481,245) (5,999,293) (4,096) (4,974) (5,579) (5,496) (5,862) (4,895) (4,035) (4,014) (4,996) (5,999,293) (11,1815) (13,672) (14,416) (4,642) (4,695) (4,636) (4,695) (4,696) (5,999,293) (11,1815) (13,672) (14,642) (4,416) (4,445) (4,457) (4,526) (4,696) (5,999,293) (924,807) \$ (967,886) \$ (1,068,675) \$ (1,065,671) \$ (1,016,767) \$ (967,748) \$ (999,559) \$ (12,007,935) </th <th></th> <th></th> <th>€</th> <th>(g)</th> <th>(2)</th> <th>77</th> <th>(g)</th> <th>(E)</th> <th>(b)</th> <th>(u)</th> <th>(F)</th> <th>(6)</th> <th>(<u>v</u>)</th> <th>(7)</th> <th>(TAT)</th> <th></th>			€	(g)	(2)	77	(g)	(E)	(b)	(u)	(F)	(6)	(<u>v</u>)	(7)	(TAT)	
(391,546) S (348,471) S (399,944) S (409,700) S (380,300) S (387,253) S (407,013) S (4,608,826) S (391,546) S (398,471) S (399,944) S (409,700) S (350,300) S (387,253) S (407,013) S (4,608,826) S (1,155,410) S (301,504) S (353,825) S (105,271) S (110,924) S (315,205) S (357,253) S (407,013) S (4,608,826) S (1,152,271) S (110,924) S (110,924	Customer Class		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	Lin
(391,546) S (348,471) S (399,944) S (409,700) S (455,050) S (380,300) S (357,253) S (407,013) S (4,608,826) S (30,279) S (39,841) S (4,608,826) S (11,05,410) S (4,041) S (4,041																g
(482,657) (90,279) (94,683) (103,553) (102,721) (110,924) (98,793) (92,854) (93,808) (1,155,410) (482,657) (301,504) (35,825) (528,796) (570,832) (515,205) (497,798) (497,798) (4,035) (1,155,410) (4,096) (4,096) (4,097) (4,096) (4,097) (4	Designation Organization 1			E	6				000		6	6	6	6		-
(90,279) (94,685) (103,553) (100,721) (110,924) (98,793) (92,854) (93,808) (1,155410) (482,657) (501,504) (539,825) (528,796) (570,832) (515,205) (497,798) (481,245) (5,999,233) (4,096) (4,974) (5,579) (5,496) (5,862) (4,895) (4,035) (3,244) (49,896) (11,815) (13,672) (14,542) (15,132) (14,542) (15,273) (13,117) (11,282) (9,553) (140,010) (4,414) (4,580) (4,642) (4,441) (4,643) (1,16,767) (4,526) (4,696) (34,500) (924,807) (967,886) (1,068,675) (1,162,584) (1,016,767) (4,526) (4,696) (34,500) (924,807) (967,748) (1,068,675) (1,162,584) (1,016,767) (967,748) (1,000,019) (1 cot anged rates. (1 cot anged rate	accurate Customors			•	9			ŀ	(++6,660)		9	9	9	9		
(482,657) (501,504) (539,825) (528,796) (570,832) (515,205) (497,798) (481,245) (5,999,293) (4,096) (4,074) (5,579) (5,496) (5,862) (4,895) (4,035) (4,032) (5,999,293) (11,815) (13,117) (11,282) (3,244) (49,896) (4,414) (4,580) (4,642) (14,542) (14,417) (11,282) (4,696) (5,579) (924,807) (4,642) (4,642) (1,065,671) (1,162,584) (1,016,767) (4,526) (4,696) (5,4500) (924,807) (4,642) (1,162,584) (1,016,767) (4,526) (4,696) (1,000,010) (4,642) (4,643) (1,016,767) (1,016,767) (4,526) (4,696) (5,4500) (924,807) (4,642) (1,016,767) (1,016,767) (4,696) (1,010,010) (4,643) (4,643) (1,016,767) (4,643) (1,016,767) (4,696) (1,010,010) (4,648) (4,642) (4,643) (1,016,	Small Commercial 2		(96,199)			(88,328)		(94,685)	(103,553)	(102,721)		(98,793)			(1,155,410)	
(482,657) (501,504) (539,825) (528,796) (570,832) (515,205) (481,245) (481,245) (481,245) (599,293) (4,096) (4,096) (4,974) (5,579) (5,496) (5,862) (4,895) (4,035) (4,035) (5,999,293) (11,815) (13,172) (14,542) (15,273) (13,117) (11,282) (9,533) (140,010) (4,414) (4,580) (4,416) (4,4416) (4,4416) (4,4526) (4,696) (54,500) (924,807) (967,886) (1,068,675) (1,162,584) (1,106,767) (4,526) (4,696) (54,500) (4000) (4,696) (1,162,584) (1,162,584) (1,162,767) (4,696) (1,2007,935) (1,2007,935) (4,096) (4,696) (4,696) (4,696) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500) (54,500)																4
(4,096) (4,974) (5,579) (5,496) (5,862) (4,895) (4,035) (3,244) (49,896) (11,815) (13,672) (14,542) (15,273) (13,117) (11,282) (9,533) (140,010) (4,414) (4,580) (4,642) (4,414) (4,642) (4,416) (4,452) (4,696) (54,500) (924,807) (967,886) (1,068,675) (1,065,671) (1,162,584) (1,016,767) (4,696) (12,007,935) tests. (4,630) (1,068,675) (1,065,671) (1,162,584) (1,016,767) (4,526) (4,696) (12,007,935) tests. (4,630) (1,065,671) (1,162,584) (1,162,584) (1,162,684)	Medium-Large Commercial	ercial 3	(484,178)			(465,425)		(501,504)	(539,825)	(528,796)					(5,999,293)	
(4,096) (4,974) (5,496) (5,862) (4,895) (4,035) (4,035) (49,896) (11,815) (13,672) (15,132) (14,542) (15,273) (13,117) (11,282) (9,553) (140,010) (4,414) (4,580) (4,416) (4,414) (4,642) (4,416) (4,452) (4,620) (54,500) (924,807) \$ (967,886) \$ (1,068,675) \$ (1,162,584) \$ (1,016,767) \$ (967,748) \$ (12,007,935) tesh tesh tesh (924,807) \$ (967,886) \$ (1,068,675) \$ (1,162,584) \$ (1,162,767) \$ (967,748) \$ (12,007,935) \$ (12,007,935) tesh <th></th> <td></td> <td>9</td>																9
(8,654) (8,603) (8,587) (9,780) (11,815) (13,672) (15,132) (14,542) (15,273) (11,282) (9,553) (140,010) (4,739) (4,501) (4,497) (4,497) (4,389) (4,414) (4,580) (4,642) (4,416) (4,643) (4,457) (4,506) (4,696) (54,500) (5,633) (140,010) (1,402) (4,501) (4,501) (4,497) (4,497) (4,389) (4,414) (4,580) (4,642) (4,416)	Agriculture (PA and TOU-PA) 4	OU-PA)	(2,748)			(3,380)				(5,496)		(4,895)			(49,896)	
(11,815) (13,672) (15,132) (14,542) (15,273) (13,117) (11,282) (9,553) (140,010) (4,414) (4,580) (4,642) (4,416) (4,643) (4,457) (4,526) (4,696) (54,500) (924,807) \$ (967,886) \$ (1,068,675) \$ (1,065,671) \$ (1,162,584) \$ (1,106,767) \$ (967,748) \$ (999,559) \$ (12,007,935) \$ (
(4,414) (4,580) (4,642) (4,416) (4,457) (4,526) (4,696) (54,500) (924,807) \$ (967,886) \$ (1,068,675) \$ (1,162,584) \$ (1,016,767) \$ (967,748) \$ (999,559) \$ (12,007,935) Ites. at changed rates.	Agriculture (PA-T-1) 3		(8,654)			(9,780)		(13,672)	(15,132)	(14,542)	(15,273)				(140,010)	
(4,414) (4,580) (4,642) (4,445) (4,4526) (4,696) (54,500) (924,807) \$ (967,886) \$ (1,068,675) \$ (1,162,584) \$ (1,016,767) \$ (967,748) \$ (12,007,935) Ites. at changed rates. 1 rates.																유
(924,807) \$ (967,886) \$ (1,068,675) \$ (1,065,671) \$ (1,162,584) \$ (1,016,767) \$ (967,748) \$ (19007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (13,016,767) \$ (13,0	Street Lighting ⁶		(4,739)					(4,580)	(4,642)	(4,416)					(54,500)	
(924,807) \$ (967,886) \$ (1,068,675) \$ (1,065,671) \$ (1,162,584) \$ (1,016,767) \$ (967,748) \$ (999,559) \$ (12,007,935) \$ (12,007																12
(924,807) \$ (967,886) \$ (1,068,675) \$ (1,065,671) \$ (1,162,584) \$ (1,016,767) \$ (967,748) \$ (999,559) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (12,007,935) \$ (13,007																13
tailed calculation of Residential Customer revenues that reflect changed rates. Atailed calculation of Residential Customer revenues that reflect changed rates. Atailed calculation of Medium and Large Commercial Customer revenues that reflect changed rates. Atailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect changed rates. Atailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates. Atailed calculation of Street Lighting Customer revenues that reflect changed rates.	TOTAL			es-	s		\$ (924,807)	Ì	(1,068,675)	- 1	↔	₩.	S	69	- II	
tailed calculation of Residential Customer revenues that reflect changed rates. tailed calculation of Small Commercial Customer revenues that reflect changed rates. tailed calculation of Medium and Large Commercial Customer revenues that reflect changed rates. tailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect changed rates. tailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates.																_
etailed calculation of Small Commercial Customer revenues that reflect changed rates. stailed calculation of Small Commercial Customer revenues that reflect changed rates. stailed calculation of Medium and Large Commercial Customer revenues that reflect changed rates. stailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect changed rates. stailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates.	E and Chan Canada	Latination	Line of the control of	7	14.4	4 - h										
etailed calculation of Small Commercial Customer revenues that reflect changed rates. etailed calculation of Medium and Large Commercial Customer revenues that reflect changed rates. etailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect changed rates. etailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates. etailed calculation of Street Lighting Customer revenues that reflect changed rates.	pages 4 and 5 lot u	cialled calc	Ulauon of Neside	una Customer 1	evenues unat tener	or citaliged rates.										
stailed calculation of Medium and Large Commercial Customer revenues that reflect changed rates. stailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect changed rates. stailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates.	pages 2 and 3 for de	stailed calc	ulation of Small (Commercial Cus	tomer revenues the	at reflect changed	i rates.									
etailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect changed rates. etailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates.	pages 2 and 3 for d	etailed calc	ulation of Mediu	m and Large Con	nmercial Custome	r revenues that re	effect changed rate	es.								
etailed calculation of Agriculture (PA-T-1) Customer revenues that reflect changed rates.	pages 2 and 3 for d	etailed calc	ulation of Agricu	Iture (PA and T(JU-PA) Customer	revenues that ret	flect changed rate:	S.					_			
tailed calculation of Street Lighting Customer revenues that reflect changed rates.	pages 2 and 3 for de	tailed calo	ulation of Agricu	Iture (PA-T-1) C	Sustomer revenues	that reflect chang	ged rates.							٠		
	pages 2 and 3 for de	stailed calc	ulation of Street l	Lighting Custom	er revenues that re	flect changed rat	es.									

Page 1 of 3

Page					Statement BH	BH				
Transference Tran				SAN DIEC	O GAS AND ELE	SCTRIC COMPA	NY NY			
Transfer			Transmission	Kevenue Balancii welve Months Enc	ig Account (1KB) ling January 1, 20	A) Kevenue Data 1 16 through Decem	ber 31 2016	Kates		
Contoner Chance Change Chance Contoner Chance Chance Chance Chance Chance Chance Chance Chance Chance Chance Chance Chance Chance										
Small Commercial Single Commercial Sign State			(A)	(B)	(C)	(D)	(E)	(F)	(F)	
Small Commercial Since (2000) Energy (200)			Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Reference];
Small Commercial 160,31,520 15,045,7	ine								=	Line
Residential Customers 777,410,504 556,721,56 505,023,150 517,457/90 147,213,204 556,7146 556,7	ر ان	Customer Classes	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)		ġ
Secretaria Commercial 100,315.00 151,045.00 147,112.00 151,045.00 151,0	-	Doctor Charles	777 410 840	626 700 165	600 033 415	558 437 153	311 773 535	ATC 187 092	Workman No. 12: Dans 12 7: 1 ins 22	-
Agriculture (PA-1-)	2	Kesidendal Customers	77,417,047	020,72,103	009,955,413	701,104,000	0++,//0,700	107,101,000	Workpaper INO. 12, rage 12.2, Line 23	7
Abeliume: Lage Commercial 806 963,766 772,041,529 775,075,508 85,05,506 8,290,769 85,05,506 8,290,769 85,05,506 8,290,769 Wordspace No. 12-Pag 122,1 Lanz 3 Agriculture (PA-T-1) 1,4,53,292 1,4,33,892 1,4,210,597 1,6,29,766 1,569,252 2,278,646 Wordspace No. 12-Pag 122,1 Lanz 3 Street Lighting 7,508,400 7,510,407 1,510,606,150 1,510,506,157 1,513,41,347 Setting 1,1,4,52,1,477 Renidential Customer 8,000,000 8,0		Small Commercial	160,331,520	153,697,926	151,745,769	147,213,246	150,465,496	157,807,522	Workpaper No. 12; Page 12.2; Line 24	m
Agriculture (P.A. ard TOU.P.P.) Since Lighting Residential Casconnecial Since Lighting Residential Casconnecial Since Lighting Residential Casconnecial Since Lighting	4 4	Madina I area Commercial	806 063 765	782 041 552	771 005 238	805 202 522	804 427 505	835 830 811	Workness No. 12. Bare 12 2.1 ine 25	4 v
Agriculture (PA-T-1)	2	Mediun-Large Commercial	000,500,100	705,041,332	11,003,230	000,101,011	066,124,400	110,555,550	Workpaper No. 12, rage 12.2, Luie 23	9
Street Lighting 7,509,406,945 1,519,167,168 1,510,666,150 1,511,141,247 1,613,141,	0 1 0	Agriculture (PA and TOU-PA)	4,580,174	4,634,909	4,677,383	5,633,199	6,826,506	8,290,769	Workpaper No. 12; Page 12.2; Line 26	7 0
TOTAL 1,721,617.031 1,599,006,965 1,559,167.646 1,510,606,150 1,541,345,777 1,613,41,347 Sum Line 1 thru II	8 6	Agriculture (PA-T-1)	14,423,292	14,338,852	14,310,957	16,299,756	19,692,252	22,786,463	Workpaper No. 12; Page 12.2; Line 27	0 6
Street Lighting	01									10
TOTAL	11	Street Lighting	7,898,431	7,501,561	7,494,706	7,315,289	7,355,977	7,632,508	Workpaper No. 12; Page 12.2; Line 28	11
Residential Customercial S. (RWh) S. (12	TATIOT	1 231 512 031	1 500 005 055	1 550 167 469	1 510 606 150	1 541 345 000	1 612 141 247	Corner I form I show 11	12
Si(kWh) Si(k	2 4	IOIAL	1,721,017,051	506,000,866,1	00+,101,600,1	0.10,000,110,1	2/2,040,140,1	/+5,1+1,510,1	Suin Luics 1 unu 11	. 4
Residential Customererial	<u></u>									2
Residential Customeres \$ (0.00060) \$ (2 9									19
Small Customercial S (0.00060) S (0.0006	2		\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)		17
Residential Customere; S. (0,00060) S. (0,000	8									18
Small Commercial S (0,00060)	6	Residential Customers	(0)						Statement BL-Retail; Page 1; Line 23	19
Medium-Large Commercial S	0		,						FERC Docket No. ER15-679-000	25
Moclium-Large Commercial \$ (0.00060) \$ (0.0006		Small Commercial	<u>.</u>						Statement BL-Refaul; Page 1; Line 23 FFR Docket No. FR 15-679-000	27
Agriculture (PA and TOU-PA) 5 (0.000600) 5 (0.00060) 5 (0.00060) 5 (0.00060) 5 (0.00060) 5 (0.00060) 5	1 (2)	Medium-Large Commercial	9						Statement BL-Retail; Page 1; Line 23	23
Agriculture (PA-T-1) 5 (0.00060) 5 (0.0006	4.	ò							FERC Docket No. ER15-679-000	24
Agriculture (PA-T-1) S (0.00060) S (0.	5	Agriculture (PA and TOU-PA)	0						Statement BL-Retail; Page 1; Line 23	25
Street Lighting	9								FERC Docket No. ER15-679-000	56
Street Lighting Street Lig	7:	Agriculture (PA-T-1)	9						Statement BL-Retail; Page 1; Line 23	27
TRBAA @ TRBAA & TRBAA & TRBAA & TRBAA @ TRBAA & TRBA	× 0	Street Lighting	9				e e		Statement RI -Retail: Page 1:1 ine 23	87 02
TRBAA @ TRBAA & TRBA	30	Sums Treatme					•		FERC Docket No. ER15-679-000	300
TRBAA @ TRBAA & TRBAA @ TRBAA & TRBA	112									31
Residential Customercial Small Commercial (96,199) (92,219) (91,047) (88,328) (90,279) (94,685) Line 3 x Line 21 Agriculture (PA and TOU-PA) (2,748) (462,603) (465,425) (465,425) (465,425) (462,603) (465,425) (482,657) (501,504) Line 3 x Line 21 Agriculture (PA and TOU-PA) (2,748) (2,781) (2,806) (3,380) (4,096) (4,974) Line 5 x Line 25 Agriculture (PA-T-1) (8,654) (8,631) (8,687) (9,780) (11,815) (13,672) Line 11 x Line 29 TOTAL (4,774) (8,693) (8,687) (9,780) (4,414) (4,580) Line 11 x Line 29 TOTAL (6,086) (4,697) (6,086) (6,086) (4,414) (4,580) Line 11 x Line 29			TRBAA @	TRBAA @	TRBAA @	TRBAA @	TRBAA @	TRBAA @		;
Residential Customers S (436,452) S (382,075) S (365,960) S (335,062) S (331,546) Line 1 x Line 1 y Line 1 x Line 19 Small Commercial (96,199) (92,219) (91,047) (88,328) (90,279) (94,685) Line 3 x Line 21 Medium-Large Commercial (484,178) (469,225) (462,603) (465,425) (482,657) (501,504) Line 5 x Line 23 Agriculture (PA and TOU-PA) (2,748) (2,781) (2,866) (3,380) (4,974) Line 7 x Line 25 Agriculture (PA-T-1) (8,654) (8,603) (8,587) (9,780) (11,815) (13,672) Line 9 x Line 27 Street Lighting (4,739) (4,497) (4,497) (4,414) (4,580) Line 11 x Line 29 TOTAL \$ (1,032,970) (959,404) (906,364) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807) \$ (924,807)	77		Present Kates	Present Kates	Present Kates	Present Kates	Present Kates	Fresent Kates		7 8
Small Commercial (96,199) (92,219) (91,047) (88,328) (90,279) (94,685) Line 3 x Line 21 Medium-Large Commercial (484,178) (469,225) (462,603) (465,425) (482,657) (501,504) Line 5 x Line 23 Agriculture (PA and TOU-PA) (2,748) (2,781) (2,806) (3,380) (4,096) (4,974) Line 7 x Line 25 Agriculture (PA-T-1) (8,654) (8,603) (8,587) (9,780) (11,815) (13,672) Line 9 x Line 27 Street Lighting (4,739) (4,497) (4,389) (4,414) (4,580) Line 11 x Line 29 TOTAL \$ (1,032,970) (959,404) (955,500) (906,364) (924,807) \$ (967,886) Sum Lines 34 through 44	2 48	Residential Customers	(4)						Line 1 x Line 19	8 %
Small Commercial (96,199) (92,219) (91,047) (88,328) (90,279) (94,685) Line 3 x Line 21 Medium-Large Commercial (484,178) (469,225) (462,603) (465,425) (482,657) (501,504) Line 5 x Line 23 Agriculture (PA and TOU-PA) (2,748) (2,781) (2,806) (3,380) (4,096) (4,974) Line 7 x Line 25 Agriculture (PA-T-1) (8,654) (8,603) (8,587) (9,780) (11,815) (13,672) Line 7 x Line 27 Street Lighting (4,739) (4,497) (4,497) (4,414) (4,580) Line 11 x Line 29 TOTAL \$ (1,032,970) (959,404) (956,560) (906,364) (924,807) \$ (967,886) Sum Lines 34 through 44	35									35
Medium-Large Commercial (484,178) (469,225) (462,603) (465,425) (482,657) (501,504) Line 5 x Line 23 Agriculture (PA and TOU-PA) (2,748) (2,781) (2,806) (3,380) (4,096) (4,974) Line 7 x Line 25 Agriculture (PA-T-1) (8,654) (8,603) (8,587) (9,780) (11,815) (13,672) Line 9 x Line 27 Street Lighting (4,739) (4,501) (4,497) (4,389) (4,414) (4,580) Line 11 x Line 29 TOTAL \$ (1,032,970) \$ (959,404) \$ (935,500) \$ (906,364) \$ (924,807) \$ (967,886) Sum Lines 34 through 44	36	Small Commercial	(96,199)	(92,219)	(91,047)	(88,328)	(90,279)	(94,685)	Line 3 x Line 21	36
Medium-Lage Commercial (484,178) (465,225) (465,425) (482,657) (501,504) Line 5 x Line 23 Agriculture (PA and TOU-PA) (2,748) (2,781) (2,806) (3,380) (4,096) (4,974) Line 7 x Line 25 Agriculture (PA-T-1) (8,654) (8,603) (8,587) (9,780) (11,815) (13,672) Line 9 x Line 27 Street Lighting (4,739) (4,501) (4,497) (4,389) (4,414) (4,580) Line 11 x Line 29 TOTAL \$ (1,032,970) \$ (959,404) \$ (935,500) \$ (906,364) \$ (924,807) \$ (967,886) Sum Lines 34 through 44	37									37
Agriculture (PA and TOU-PA) (2,748) (2,781) (2,806) (3,380) (4,096) (4,974) Line 7 x Line 25 Agriculture (PA-T-1) (8,654) (8,603) (8,587) (9,780) (11,815) (13,672) Line 9 x Line 27 Street Lighting (4,739) (4,497) (4,389) (4,414) (4,580) Line 11 x Line 29 TOTAL \$ (1,032,970) \$ (955,404) \$ (935,500) \$ (906,364) \$ (924,807) \$ (967,886) Sum Lines 34 through 44	38	Medium-Large Commercial	(484,178)	(469,225)	(462,603)	(465,425)	(482,657)	(501,504)	Line 5 x Line 23	30
Agriculture (PA-T-1) (8,654) (8,603) (8,587) (9,780) (11,815) (13,672) Line 9 x Line 27 Street Lighting (4,739) (4,501) (4,497) (4,389) (4,414) (4,580) Line 11 x Line 29 TOTAL \$ (1,032,970) \$ (959,404) \$ (935,500) \$ (906,364) \$ (924,807) \$ (967,886) Sum Lines 34 through 44	9	Agriculture (PA and TOU-PA)	(2,748)	(2,781)	(2,806)	(3,380)	(4,096)	(4,974)	Line 7 x Line 25	9
Agriculture (PA-T-1) (8,654) (8,663) (8,587) (9,780) (11,815) (13,672) Line 9 x Line 27 Street Lighting (4,739) (4,739) (4,497) (4,439) (4,414) (4,580) Line 11 x Line 29 TOTAL \$ (1,032,970) \$ (959,404) \$ (935,500) \$ (906,364) \$ (924,807) \$ (967,886) Sum Lines 34 through 44	41									41
Street Lighting (4,739) (4,497) (4,389) (4,414) (4,580) Line 11 x Line 29 TOTAL \$ (1,032,970) \$ (959,404) \$ (935,500) \$ (966,364) \$ (924,807) \$ (967,886) Sum Lines 34 through 44	42	Agriculture (PA-T-1)	(8,654)	(8,603)	(8,587)	(9,780)	(11,815)	(13,672)	Line 9 x Line 27	24 5
TOTAL \$ (1,032,970) \$ (959,404) \$ (906,364) \$ (924,807) \$ (967,886) Sum Lines 34 through 44	43	Street Tighting	(4.739)	(10 501)	(4 497)	(4 380)	(4 414)		I in 11 x 11 au 1	3 4
TOTAL \$ (1,032,970) \$ (959,404) \$ (935,500) \$ (906,364) \$ (924,807) \$ (967,886) Sum Lines 34 through 44	45	Such Spining	(22,41)	(1,00,1)	(1,11,1)	(202,17)	(1714)			45
	46	TOTAL	(1,0	S		s		S	Sum Lines 34 through 44	46

				SAN DIEGO GAS	SAN DIEGO GAS AND ELECTRIC COMPANY	COMPANY				
		Tr	Transmission Revenue Balancing Account (TRBA) Revenue Data To Reflect Present Rates Twelve Months Ending January 1, 2016 through December 31, 2016	ne Balancing Acco	on Revenue Balancing Account (TRBA) Revenue Data To Reflect Pr Twelve Months Ending January 1, 2016 through December 31, 2016	nue Data To Refle	ect Present Rates 2016		-	
		(G)	(H)	(I)	(J)	(K)	(T)	(M)	(M)	
		Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference	
Š.	Customer Classes	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)		Š.
			6		S					
	Residential Customers	666,573,134	682,833,044	758,415,886	633,833,086	595,422,269	678,355,670	7,681,377,391	Workpaper No. 12; Page 12.2; Line 23	0
2 %	Small Commercial	172 587 689	171 201 558	184 872 950	164 655 053	154 757 034	156 346 731	1 925 682,495	Worknaner No. 12: Page 12 2: Line 24	7 0
0 4	Sman Commercial	112,201,002	000,102,111	101,012,00	00,000,001	100,101,4501	10,010,001	1,720,02,17	11 Orapaper 110: 12, 1 ago 12, out 21	4
5	Medium-Large Commercial	899,708,532	881,327,324	951,386,527	858,675,091	829,663,454	802,075,681	9,998,822,077	Workpaper No. 12; Page 12.2; Line 25	5
9										9
-	Agriculture (PA and TOU-PA)	9,298,378	9,160,827	9,770,347	8,157,777	6,724,985	5,406,853	83,162,105	Workpaper No. 12; Page 12.2; Line 26	7
» o	Agriculture (PA-T-1)	25.220.539	24.236.237	25.455.368	21.861.203	18.802.814	15.921.635	233.349.370	Workpaper No. 12: Page 12.2: Line 27	8 6
10									, , , , , , , , , , , , , , , , , , , ,	10
11	Street Lighting	7,736,164	7,360,012	7,738,471	7,429,144	7,543,424	7,826,742	90,832,430	Workpaper No. 12; Page 12.2; Line 28	11
12										12
13	TOTAL	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	Sum Lines 1 thru 11	13
14										14
15										15
16										16
17		\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)			17
18										18
19	Residential Customers	\$ (0.00060)	(0,00060)	\$ (0.00060)	(0.00060)	\$ (0,00060)	\$ (0.00060)		Statement BL; Page 1; Line 23	19
3 5	15:000		6	£	e	(020000)	(020000)		FERC Docket No. EKIS-6/9-000	3 5
17 6	Small Commercial	(0.00000)	(0.0000)	(0,00000)	(0.00000)		(00000)		Statement BL; Fage 1; Line 25	17
77 8			6		6				FERC DOCKET NO. EKIS-079-000	777
57	Medium-Large Commercial	(0.0000)	(0.00000)	(000000)	(0,00000)	(0.00000)	(0.00000) &		FERC Docket No. FR15-679-000	2 2
2,5	Agriculture (PA and TOIT-PA)	(090000)	(090000)	(090000)	(090000)	(0900000)	(0900000)		Statement BI: Page 1: Line 23	25
26	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			ļ					FERC Docket No. ER15-679-000	26
27	Agriculture (PA-T-1)	\$ (0,00060)	(0,00060)	(0900000) \$	(090000) \$	\$ (0.00060)	(0900000) \$		Statement BL; Page 1; Line 23	27
28									FERC Docket No. ER15-679-000	28
29	Street Lighting	\$ (0.00060)	(090000) \$	(0900000)	\$ (0.00060)	\$ (0.00060)	(0900000) \$		Statement BL; Page 1; Line 23	29
30									FERC Docket No. ER15-679-000	30
31										2.
32		TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates	TRBAA @ Present Rates		32
33										33
35	Residential Customers	\$ (399,944)	\$ (409,700)	\$ (455,050)	\$ (380,300)	\$ (357,253)	\$ (407,013)	\$ (4,608,826)	Line 1 x Line 19	35
36	Small Commercial	(103,553)	(102,721)	(110,924)	(98,793)	(92,854)	(93,808)	(1,155,410)	Line 3 x Line 21	36
37										37
38	Medium-Large Commercial	(539,825)	(528,796)	(570,832)	(515,205)	(497,798)	(481,245)	(5,999,293)	Line 5 x Line 23	38
39										39
40	Agriculture (PA and TOU-PA)	(6/2,¢)	(5,496)	(2,862)	(4,895)	(4,035)	(3,244)	(48,896)	Line 7 x Line 25	40
4 6	£ €	(00, 1)			į,	(000 11)	(6,5)	(0,00,01)		41
7 5	Agriculture (PA-1-1)	(15,132)	(14,542)	(15,2/3)	(13,117)	(11,482)	(9,555)	(140,010)	Line 9 x Line 2/	47
24		(07)				(303.1)		(003 73)	1 : 11 11	5 2
‡ 4	Strong Tright	(4,042)	(4,410)	(5+0,+)	(1,04,4)	(070,4)	(060,+)		LIUG 11 X LIUG 27	45
46	TOTAL	\$ (1,068,675) \$	\$ (1,065,671) \$	\$ (1,162,584) \$	\$ (1,016,767)	\$ (967,748) \$	\$ (655,666) \$	\$ (12,007,935)	Sum Lines 34 through 44	46

12/2/2015

Attachment – C (Cont'd)

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

	State	Statement BK-1			
	San Diego Gas & Electric Company	& Electric	Company		
	2016 - TR	2016 - TRBAA Rate Filing	Filing		
	Total Retail TRBAA Forecast - Including Franchise Fees	ling Franc	જ	Uncollectible Expense	
Line			Total		Line
No.	Components	Retail -	Retail - TRBAA	Reference	No.
	Beginning TRBAA Balance @ 9/30/2015	\$	(2,464,403)	Work paper No. 2; Page 2.4; Line 31	1
2					2
n	Transmission Revenue Credits Forecast:				3
4					4
S	Wheeling Revenues		(7,381,918)	Work paper No. 5; Page 5.2; Line 23	5
9				¥	9
7	Settlements, Metering and Client Relations		12,000	Work paper No. 6; Page 6.2; Line 24	7
∞					8
6	Existing Transmission Contract (ETC) Cost Differentials		(534,545)	Work paper No. 7; Page 7.2; Line 16	6
10					10
11	Other PTO Related Revenue (Credits)/Charges		(5,404,761)	Work paper No. 9; Page 9.2; Line 31	11
12					12
13	Total Transmission Revenue Credits Forecast	\$	(13,309,224)	Sum {Line 5 thru Line 11}	13
14					14
15	Total TRBAA Before Franchise Fees and Uncollectibles	8	(15,773,627)	Line 1 + Line 13	15
16					16
17	Uncollectibles @ 0.1740 %		(27,446)	Line 15 x 0.1740%	17
18					18
19	Franchise Fees Expense @ 1.0310%		(162,626)	Line 15 x 1.0310%	19
20					20
21	Total Retail TRBAA	€	(15,963,699)	Sum {Line 15 thru Line 19}	21

Attachment – C (Cont'd)

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

ER16-___-000

			Sta	Statement BK-2	BK-2				
			San Diego G	as & Ele	San Diego Gas & Electric Company				
			2016 - T	RBAA I	2016 - TRBAA Rate Filing				
		Wholesa		- HVTR	le Customers - HVTRR & LVTRR Calculation	alculation			
			(1)	-	6	(2) - (1) - (2)			
			(I)		(5)	(2) = (1) + (2)			
			Total		Total	Total			
		Ĕ	HIGH VOLTAGE	LOW	LOW VOLTAGE	Transmission			
Line		Trans	enne	Transmi	Transmission Revenue	Revenue			Line
Š.	Components		Requirements	Req	Requirements	Requirements	S	Reference	Š
-	Wholesale Base Transmission Revenue Requirement	€	492,206,000	643	303.290.000	\$ 795.496.000	000	See Note 1	
2				,					2
m	Beginning TRBAA Balance (a) 9/30/2015	ļ	(2,432,671)		(31,732)	(2,464,403)	.,403)	Work paper No. 1; Page 1.1; Line 12	3
4									4
5	Transmission Revenue Credits Forecast:								5
9									9
7	Wheeling Revenues		(7,381,918)		1	(7,381,918)	(816,	Work paper No. 5; Page 5.2; Line 23	7
∞									∞
6	Settlements, Metering and Client Relations		7,363		4,637	12	12,000	Work paper No. 6; Page 6.2; Line 24	6
10									10
11	ETC Cost Differentials		(327,980)		(206,565)	(534	(534,545)	Work paper No. 7; Page 7.2; Line 16	11
12							1		12
13	Other PTO Related Revenue (Credits)/Charges		(5,435,318)		30,557	(5,404,761)	1,761)	Work paper No. 9; Page 9.2; Line 31	13
14									14
15	Total Transmission Revenue Credits Forecast	es.	(13,137,853)	\$	(171,371)	\$ (13,309,224)	,224)	Sum {Line 7 through Line 13}	15
16								-	16
17	Total Wholesale TRBAA Before Franchise Fees	\$	(15,570,524)	\$	(203,103)	$(15,773,62\overline{7})$,627)	Line 3 + Line 15	17
18									18
19	Franchise Fees Expense @ 1.0310%		(160,532)		(2,094)	(162	(162,626)	Line 17 x 1.0310%	19
20									20
21	Total Wholesale TRBAA with Franchise Fees	S	(15,731,056)	5	(205,197)	\$ (15,936,253)	5,253)	Line 17 + Line 19	21
22									22
23	Transmission Standby Revenues ²		(6,865,590)		(4,230,474)	(11,096,064)	6,064)	Work paper No. 11; Page 11.1; Line 13	23
24						:			24
25	Wholesale Transmission Revenue Requirement	∽	469,609,354	S	298,854,329	\$ 768,463,683	3,683	Line 1 + Line 21 + Line 23	25
	NOTES:								
1	The Wholesale Base TRR information comes from SDG&E's Informational Filing in TO4-Cycle	3&E's I	nformational Filing	g in TO4	-Cycle 3, which	3, which was filed with the FERC on December 1,	e FERC	on December 1, 2015, in	-
	Docket No. ER16-445-000. See Statement BK2.				-				
7	The Standby Revenue amount of \$11,096,064 comes from Cost Statement BG; Page 1; Column A; Line	om Cos	t Statement BG; Pa	age 1; Co	olumn A; Line 2	24, in FERC Docket No.	ket No. E	ER16-445-000; Informational Filing,	
	filed with the FFRC on December 1 2015						-		
							-		

Attachment – C (Cont'd)

F. Statement – BL Retail TRBAA Rate Calculation

	38	Statement BL	دا		
	San Diego Ga	s & Electr	an Diego Gas & Electric Company		
	2016 - T	2016 - TRBAA Rate Filing	e Filing		
	Retail TRBAA Rate Calculation	AA Rate C	alculation		
		-			
_					
Line			Total		Line
No.	Components	Retail	- TRBAA	Reference	No.
1	Beginning TRBAA Balance @ 9/30/2015	\$	(2,464,403)	Work paper No. 2; Page 2.4; Line 31	1
2					2
3	Transmission Revenue Credits Forecast:				3
4					4
5	Wheeling Revenues		(7,381,918)	Work paper No. 5; Page 5.2; Line 23	5
9					9
7	Settlements, Metering and Client Relations		12,000	Work paper No. 6; Page 6.2; Line 24	7
∞					∞
6	ETC Cost Differentials		(534,545)	Work paper No. 7; Page 7.2; Line 16	6
10					10
11	Other PTO Related Revenue (Credits)/Charges		(5,404,761)	Work paper No. 9; Page 9.2; Line 31	11
12		_		!	12
13	Total Transmission Revenue Credits Forecast		(13,309,224)	Sum {Line 5 through Line 11}	13
14					14
15	Total TRBAA Before Franchise Fees and Uncollectibles	€	(15,773,627)	Line 1 + Line 13	15
16					16
17	Uncollectibles @ 0.1740 %		(27,446)	Line 15 x 0.1740%	1.7
18	•		1		18
19	Franchise Fees Expense @ 1.0310%		(162,626)	Line 15 x 1.0310%	19
20					20
21	Total Retail TRBAA	\$	(15,963,699)	Sum Lines 15; 17; and 19	21
22		-			22
23	12 Months kWh Ending September 30, 2015	15	19,621,911,251	Statement BD; Pg. 1 of 3; Col. C; Ln. 15	23
24					24
25	Retail TRBAA Rate (\$/kWh)	8	(0.00081)	Line 21 / Line 23	25

Attachment – C (Cont'd)

G. Statement – BL Wholesale TRBAA Rate Calculation

			Statement BL			
		San Diego (San Diego Gas & Electric Company	Y.		
		2016 -	2016 - TRBAA Rate Filing			
	2016 - Wh	nolesale Customers Uti	2016 - Wholesale Customers Utility Specific Access Charge Rate Calculations	rge Rate Calculations		
		High Voltage	Voltage & Low Voltage Component	nent		
		(1)	(2)	(3) = (1) + (2)		
Line		Total	Total	Combined		Line
No.		High Voltage	Low Voltage	TRR		No.
	Components	TRR	TRR		Notes & Reference	
-	Wholesale Base Transmission Revenue Requirement	\$ 492,206,000	\$ 303,290,000	\$ 795,496,000	Statement BK-2 Adj to Wholesale BTRR; Page 2; Line 15	-
2						2
Э	Total Wholesale TRBAA 2	(15,731,056)	(205,197)	(15,936,253)	Statement BK-2; Page 1; Line 21	3
4						4
S	Transmission Standby Revenue 3	(6,865,590)	(4,230,474)	(11,096,064)	Statement BK-2; Page 1; Line 23	5
9						9
7	Wholesale Transmission Revenue Requirements	\$ 469,609,354	\$ 298,854,329	\$ 768,463,683	Sum (Lines 1, 3, & 5)	7
∞						∞
6	Gross Load - MWh	20,824,991	20,824,991	20,824,991	Statement BD; Page 3 of 3; Line 16; Col. C	6
10						10
	Utility Specific Access Charges (\$/MWh)	\$ 22.5503	\$ 14.3508	\$ 36.9010	Line 7 / Line 9	11
	NOTES:					
-	The Wholesale Base TRR information comes from SDG&E's Informational Filing in TO4-Cycle 3, which was filed with the FERC on December 1, 2015, in	&E's Informational Filir	ig in TO4-Cycle 3, which	h was filed with the FEI	C on December 1, 2015, in	
	Docket No. ER16-445-000.					
7	The Wholesale TRBAA amount comes from the instant filing, in Statement BK-2; Page 1; Line 21	filing, in Statement BK-	2; Page 1; Line 21			
e	The Standby Revenue amount of \$11,096,064 comes from Cost Statement BG; Page 1; Column A; Line 24, in FERC Docket No. ER16-445-000; Informational Filing,	m Cost Statement BG; F	age 1; Column A; Line	24, in FERC Docket No	. ER16-445-000; Informational Filing,	
	filed with the FERC on December 1, 2015.					

Attachment – C (Cont'd)

H. TRBAA Work Papers

Allocation of TRBAA Balance @ 9/30/2015 Between HV and LV Facilities Based on Transmission Revenue Credits Forecast

		San Die	n Diego Gas & Electric Company	Company			
		20	2016 - TRBAA Rate Filing	iling			
	Alloc	ation Of Beginning	TRBAA Balance B	Allocation Of Beginning TRBAA Balance Based on Forecast Balances	lances		
		(a)	(p)	(0)	(p)		
Line							Line
No.		Beginning	High Voltage	Low Voltage			No.
	Components	TRBAA Balance	TRBAA	TRBAA	Total	Reference	
1	TRBAA Balance @ 9/30/2015	\$ (2,464,403)				Work paper No. 2; Page 2.4; Line 31	1
2							2
n	Forecast - Wheeling Revenues		(7,381,918)		(7,381,918)	Work paper No. 5; Page 5.2; Line 23	Э
4	Forecast - Settlements, Metering and Client Relations		7,363	4,637	12,000	Work paper No. 6; Page 6.2; Line 24	4
2	Forecast - ETC Cost Differentials		(327,980)	(206,565)	(534,545)	Work paper No. 7; Page 7.2; Line 16	5
9	Forecast - Other PTO Related Revenue (Credits)/Charges		(5,435,318)	30,557	(5,404,761)	Work paper No. 9; Page 9.2; Line 31	9
7							7
8	Forecast 2016 - Net Transmission Revenue Credits		\$ (13,137,853)	\$ (171,371)	\$ (13,309,224)	Sum Lines 3 through 6	∞
6							6
10	Allocation Factors Based on Revenue Credit Forecast		98.71%	1.29%	100.00%	Ratios Per Line 8	10
11							11
12	Allocation of Beginning TRBAA Balance 1		\$ (2,432,671)	\$ (31,732)	\$ (2,464,403)	Column (a) Line 1 x Line 10	12
1	The beginning TRBAA balance on line 1, Column (a), is allocated between High Voltage and Low Voltage, using the ratios that were developed on line 10, using the	Ilocated between High	gh Voltage and Low	Voltage, using the ra	tios that were develo	ped on line 10, using the	
	the Transmission Revenue Credits forecasts shown on line 8.	8.					

Work Paper – 2 Monthly TRBAA Detailed Activities & Related Footnotes

	· · · · · · · · · · · · · · · · · · ·	т-		7		,		_	
Line			October	-	November		December	_	January
No.	Description		2014	╁	2014	+	2014		2015
	Description	1 -	2014	┢	2014	-	2014	-	2013
1	Beginning Balance (Overcollection)/Undercollection	\$	(3,660,644)	\$	(2,773,229)	\$	(2,532,031)	\$	(2,318,105)
2		+*	(0,000,011)	+	(2,773,225)	*	(2,332,031)	 	(2,310,100)
3	TRBAA Refund	1		╁					
4	Kwh (Excluding Sales for Resale).	1	,818,275,382		1,583,002,482	t	1,585,788,042		1,665,910,282
5	TRBAA Rate	\$	(0.00047)		(0.00047)		(0.00047)		(0.00054)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$	(854,589)	\$	(744,011)	\$	(745,320)	\$	(899,592)
7	Franchise Fees & Uncollectible Expense Adjustment 1		(10,175)		(8,859)		(8,874)		(10,711)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$	(844,414)		(735,152)	\$	(736,446)	\$	(888,881)
9			, , ,		. (, ,== ,)	<u> </u>	(Ť	(,)
10	PTO Related - ISO Charge Types:								
11	CT 384 - HV Wheeling Revenues Due TO		(576,053)		(619,460)		(693,884)		(839,511)
12	CT 4575 - Settlements, Metering, Client Relations ²		1,000		1,000		1,000		1,000
13	ETC Cost Differentials ³		489,630		(5,224)		53,115		(69,441)
14	Other PTO Related Revenue (Credits)/Charges 4	+	137,419	 	136,858	<u> </u>	123,986		
15	Sub-Total Monthly Related Activity	\$	51,996	\$	(486,826)	\$	(515,784)	\$	36,702 (871,249)
16	Bub-10tal Monthly Rolated Activity	-	31,990	Φ.	(460,620)	Ф	(313,764)	4	(6/1,249)
17	Other Adjustments	1		-					
18	Sub-Total Adjustment	\$		\$		\$		\$	
19	Total Monthly PTO Charge Types	\$	51,996	\$	(486,826)	\$	(515,784)	\$	(871,249)
20		+		۳	(100,020)	Ψ	(313,701)	Ψ	(0/1,217)
21	Net Monthly Activity (Nets Refunds, Revenues, & Expenses)	\$	896,410	\$	248,326	\$	220,662	\$	17,632
22		Ė		Ť		_		-	17,002
23	Interest Expense Calculations:								
24	Beginning Balance for Interest Calculation	\$	(3,660,644)	\$	(3,660,644)	\$	(3,660,644)	\$	(2,318,105)
25	Monthly Activity Included in Interest Calculation Basis		448,205		1,020,573		1,255,066		8,816
26	Basis for Interest Expense Calculation	:	(3,212,439)		(2,640,071)		(2,405,578)		(2,309,289)
27	Monthly Interest Rate		0.28000%		0.27000%		0.28000%		0.28000%
28	Interest Expense	\$	(8,995)	\$	(7,128)	\$	(6,736)	\$	(6,466)
29	Other Adjustments	<u> </u>							
30									
	Ending Balance (Overcollection)/Undercollection	\$	(2,773,229)	\$	(2,532,031)	\$	(2,318,105)	\$	(2,306,939)
32									
33									
34							_		
	Franchise Fees & Uncollectible Adjustment:								
	Franchise Fees Expense Rate		1.0310%		1.0310%		1.0310%		1.0310%
	Uncollectible Expense Adjustment Rate	ļ	0.1740%		0.1740%		0.1740%		0.1740%
38_	Combined FF&U Adjustment Rate		1.2050%		1.2050%		1.2050%		1.2050%
	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$	(854,589)	\$_	(744,011)	\$	(745,320)	\$	(899,592)
40	Uncollectibles Included on Line 7 Above:		(0.5 : :	4					
41	Total Refunds/Collections Including Franchise & Uncollectible Expense	\$	(854,589)	\$_	(744,011)	\$		\$	(899,592)
42	Adjustment Factor to Convert Line 38 Above Before FF&U	Φ.	1.012050		1.012050		1.012050	4	1.012050
43	Total Refunds/Collections Before FF&U	\$	(844,414)	<u>\$</u> _	(735,152)	\$	(736,446)	\$	(888,881)
44	Combined FF&U Adjustment Rate		1.2050%		1.2050%		1.2050%		1.2050%
45	Franchise Fees & Uncollectible Expense Adjustment 1	\$	(10,175)		(8,859)			\$	(10,711)
46	Difference	\$	-	\$	-	\$	-	\$	

г—		1				_		_	
Line		-	February		March	\vdash	April	-	May
No.	Description		2015	 	2015	\vdash	2015	\vdash	2015
	- Description	╁┈	2015	1	2010	+	. 2015	•	2013
1	Beginning Balance (Overcollection)/Undercollection	\$	(2,306,939)	\$	(2,410,942)	\$	(1,997,905)	\$	(1,802,309)
2		1	(=,= 0 0, 5 = 5)	+*-	(2,120,512)	+	(1,557,500)	۳	(1,002,50)
3	TRBAA Refund	1	i	1		 			
4	Kwh (Excluding Sales for Resale).	1	,547,755,534	1	,486,100,698	\vdash	1,529,437,074	t	1,501,100,754
5	TRBAA Rate	\$	(0.00060)		(0.00060)		(0.00060)		(0.00060)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$	(928,653)	\$	(891,660)	\$	(917,662)	\$	(900,660)
7	Franchise Fees & Uncollectible Expense Adjustment 1		(11,057)	İ	(10,617)		(10,926)]	(10,724)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$	(917,596)		(881,043)		(906,736)		(889,936)
9			· , , ,				<u> </u>	i	
10	PTO Related - ISO Charge Types:	1							-
11	CT 384 - HV Wheeling Revenues Due TO	T	(461,359)		(401,630)		(646,690)		(536,281)
12	CT 4575 - Settlements, Metering, Client Relations ²		1,000		1,000		1,000		1,000
13	ETC Cost Differentials ³	1	(500,123)		5,859	\vdash	(1,044)		34,450
14	Other PTO Related Revenue (Credits)/Charges 4	ł					• • • • •	\vdash	
15	Sub-Total Monthly Related Activity	\$	(55,243)	<u> </u>	(67,106)		(59,283)	4	(153,370)
16	Sub-10tal Monthly Related Activity)	(1,015,725)	D	(461,877)	→	(706,017)	\$	(654,202)
17	Other Adjustments	 		-					
$\frac{17}{18}$	Sub-Total Adjustment	\$	<u>-</u>	\$	-	\$	<u>-</u>	\$	
19	Total Monthly PTO Charge Types	\$	(1,015,725)	\$	(461,877)	\$	(706,017)	\$	(654,202)
20	Total Molitiny 1 10 Charge Types	T.	(1,013,723)	.p	(401,877)	9	(700,017)	Φ	(034,202)
21	Net Monthly Activity (Nets Refunds, Revenues, & Expenses)	\$	(98,129)	\$	419,166	\$	200,719	\$	235,734
22	The Franking Teaching (The February, Teachings)	۳	(50,125)	۳	115,100	Ψ.	200,715	1	233,134
23	Interest Expense Calculations;	<u> </u>							
24	Beginning Balance for Interest Calculation	\$	(2,318,105)	\$	(2,318,105)	\$	(1,997,905)	\$	(1,997,905)
25	Monthly Activity Included in Interest Calculation Basis	Ť	(31,433)		129,086		100,360	Ť	318,586
26	Basis for Interest Expense Calculation		(2,349,538)		(2,189,019)	_	(1,897,545)		(1,679,319)
27	Monthly Interest Rate		0.25000%		0.28000%		0.27000%	-	0.28000%
28	Interest Expense	\$	(5,874)	\$	(6,129)	\$	(5,123)	\$	(4,702)
29	Other Adjustments						```		
30					-				
31	Ending Balance (Overcollection)/Undercollection	\$	(2,410,942)	\$	(1,997,905)	\$	(1,802,309)	\$	(1,571,276)
32									
33									_
34									
35	Franchise Fees & Uncollectible Adjustment:								
36	Franchise Fees Expense Rate		1.0310%		1.0310%		1.0310%		1.0310%
37	Uncollectible Expense Adjustment Rate		0.1740%		0.1740%		0.1740%		0.1740%
38	Combined FF&U Adjustment Rate		1.2050%		1.2050%		1.2050%		1.2050%
39	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$	(928,653)	\$	(891,660)	\$	(917,662)	\$	(900,660)
40	Uncollectibles Included on Line 7 Above:								
41	Total Refunds/Collections Including Franchise & Uncollectible Expense	\$	(928,653)	\$	(891,660)	\$	(917,662)	\$	(900,660)
42	Adjustment Factor to Convert Line 38 Above Before FF&U		1.012050		1.012050		1.012050		1.012050
43	Total Refunds/Collections Before FF&U	\$		\$	(881,043)	\$	(906,736)	\$	(889,936)
44	Combined FF&U Adjustment Rate		1.2050%		1.2050%		1.2050%		1.2050%
45	Franchise Fees & Uncollectible Expense Adjustment ¹	\$	(11,057)	\$	(10,617)	\$	(10,926)	\$	(10,724)
46	Difference	\$	-	\$	-	\$	-	\$	

		T		Т		Γ			
Line		1	June	T^-	July	<u> </u>	August		September
No.	Description		2015	T	2015		2015		2015
_1	Beginning Balance (Overcollection)/Undercollection	\$	(1,571,276)	\$	(1,454,979)	\$	(1,278,786)	\$	(994,644)
2_									
3	TRBAA Refund								
4_	Kwh (Excluding Sales for Resale).	_	,443,047,056		1,746,688,223		1,779,921,852		1,934,883,872
5	TRBAA Rate	\$	(0.00060)		(0.00060)		(0.00060)		(0.00060)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$	(865,828)	\$	(1,048,013)	\$	(1,067,953)	\$	(1,160,930)
7	Franchise Fees & Uncollectible Expense Adjustment ¹	L.,	(10,309)		(12,478)		(12,716)		(13,823)
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$	(855,519)	\$	(1,035,535)	\$	(1,055,237)	\$	(1,147,107)
9		<u> </u>							
10	PTO Related - ISO Charge Types:	<u> </u>		<u></u>		Ĺ			
11	CT 384 - HV Wheeling Revenues Due TO		(654,312)		(741,819)		(711,786)		(499,131)
12	CT 4575 - Settlements, Metering, Client Relations ²		1,000		1,000		1,000		1,000
13	ETC Cost Differentials ³	1	(65,893)		(109,112)		(58,644)		(308,117)
14	Other PTO Related Revenue (Credits)/Charges 4		(15,964)		(5,589)		1,503		(1,805,972)
15	Sub-Total Monthly Related Activity	\$	(735,169)		(855,520)	\$		\$	(2,612,221)
16		Ť	(,,,,,,,	-	(300,020)	Ť	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	۳	(2,012,221)
17	Other Adjustments	1							
18	Sub-Total Adjustment	\$		\$		\$		\$	
19	Total Monthly PTO Charge Types	\$	(735,169)	\$	(855,520)	\$	(767,927)	\$	(2,612,221)
20									
21	Net Monthly Activity (Nets Refunds, Revenues, & Expenses)	\$	120,350	\$	180,015	\$	287,310	\$	(1,465,114)
22									
23	Interest Expense Calculations:								
24	Beginning Balance for Interest Calculation	\$	(1,997,905)	\$	(1,454,979)	\$	(1,454,979)	\$	(1,454,979)
25	Monthly Activity Included in Interest Calculation Basis		496,628		90,007		323,670		(265,232)
26	Basis for Interest Expense Calculation		(1,501,277)		(1,364,972)		(1,131,309)		(1,720,211)
27	Monthly Interest Rate		0.27000%		0.28000%		0.28000%		0.27000%
28	Interest Expense	\$	(4,053)	\$	(3,822)	_\$_	(3,168)	\$	(4,645)
29	Other Adjustments	ļ							
30	E. P. D. L. (O. H. C.)/II. J. H. C.		(1.454.050)	_	(1.050.500)	_	(004 540)		454.466
31	Ending Balance (Overcollection)/Undercollection	\$	(1,454,979)	\$	(1,278,786)	\$	(994,644)	\$	(2,464,403)
32									
33		<u> </u>							
34		ļ—							
	Franchise Fees & Uncollectible Adjustment:	<u> </u>	1.001001		1.001001				
	Franchise Fees Expense Rate	<u> </u>	1.0310%		1.0310%		1.0310%		1.0310%
	Uncollectible Expense Adjustment Rate	<u> </u>	0.1740%		0.1740%		0.1740%		0.1740%
38 39	Combined FF&U Adjustment Rate Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	•	1.2050%	dr.	1.2050%	Φ_	1.2050%	ď	1.2050%
	Uncollectibles Included on Line 7 Above:	\$	(865,828)	\$	(1,048,013)	\$	(1,067,953)	\$	(1,160,930)
41	Total Refunds/Collections Including Franchise & Uncollectible Expense	\$	(865,828)	\$	(1.049.012)	•	(1.067.052)	e	(1.160.020)
42	Adjustment Factor to Convert Line 38 Above Before FF&U	Ψ.	1.012050	Φ	(1,048,013) 1.012050	Φ_	(1,067,953) 1.012050	ъ	(1,160,930) 1.012050
43	Total Refunds/Collections Before FF&U	\$	(855,519)	\$	(1,035,535)	¢		\$	(1,147,107)
44	Combined FF&U Adjustment Rate	Ψ	1.2050%	Ψ	1,2050%	Ф	1.2050%	Ф	1.2050%
45	Franchise Fees & Uncollectible Expense Adjustment ¹	•	$\overline{}$	<u> </u>		<u> </u>		Φ.	
	Difference	\$	(10,309)	<u>\$</u> \$	(12,478)	<u>\$</u> _	(12,716)	\$	(13,823)
40		Φ	-	Φ_	-	Ф	-	\$	

		Т			Т
Line	-	<u> </u>			Line
No.	Description	╁─	Total	Reference	No.
110.	Description	1	Total	TOTOTOTICE	110.
1	Beginning Balance (Overcollection)/Undercollection	\$	(3,660,644)	Previous Month's Balance	1
2	0 -8 ((=,==,==,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,		2
3	TRBAA Refund			,	3
4	Kwh (Excluding Sales for Resale).	19	,621,911,251	Work Paper No. 12; Page 12.1; Line 32	4
5	TRBAA Rate			TRBAA Rates - ER15-679-000	5
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$	(11,024,871)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment ¹	l	(131,269)	See Line 45 Below	7
8	TRBAA Refunds/Collections Excluding Uncollectibles	\$	(10,893,602)	Line 6 / Line 42	8
9					9
10	PTO Related - ISO Charge Types:				10
11	CT 384 - HV Wheeling Revenues Due TO		(7,381,918)	Work Paper No. 3; Page 3.1-3.2; Line 2	11
12	CT 4575 - Settlements, Metering, Client Relations ²	Ι.	12,000	Work Paper No. 3; Page 3.1-3.2; Line 5	12
13	ETC Cost Differentials ³		(534,545)	Work Paper No. 3; Page 3.1-3.2; Line 8	13
14	Other PTO Related Revenue (Credits)/Charges 4		(1,726,059)	Work Paper No. 3; Page 3.1-3.2; Line 11	14
15	Sub-Total Monthly Related Activity	\$	(9,630,522)	Sum Lines 11 thru 14	15
16	, , , , , , , , , , , , , , , , , , ,	Ħ	() , ,		16
17	Other Adjustments		_	FF&U Rate Adjustment	17
18	Sub-Total Adjustment	\$	-	Sum Line 17	18
19	Total Monthly PTO Charge Types	\$	(9,630,522)	Sum Lines 15; 18	19
20					20
21	Net Monthly Activity (Nets Refunds, Revenues, & Expenses)	\$	1,263,080	Minus Line 8 + (Line 19)	21
22					22_
23	Interest Expense Calculations:				23
24	Beginning Balance for Interest Calculation			Beginning Quarterly Balances	24
25	Monthly Activity Included in Interest Calculation Basis			Interest Calculation Basis	25
26	Basis for Interest Expense Calculation			Line 24 + Line 25	26
27 28	Monthly Interest Rate Interest Expense	\$	(66,841)	FERC Monthly Rates Line 26 x Line 27	27 28
29	Other Adjustments	Φ	(00,041)	Line 20 x Line 27	29
30	One Adjustments	-			30
	Ending Balance (Overcollection)/Undercollection	\$	(2,464,403)	Line 1 + Line 21 + Line 28 + Line 29	31
32	Zinamig Januaro (O 1 0 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1	Ë	(2,101,100)	Bille 1 · Bille 21 · Bille 20 · Bille 25	32
33					33
34		 		· - ·	34
35	Franchise Fees & Uncollectible Adjustment:				35
	Franchise Fees Expense Rate			Franchise Fees Expense Rate	36
	Uncollectible Expense Adjustment Rate			Uncollectible Expense Adjustment Rate	37
38	Combined FF&U Adjustment Rate			Line 36 + Line 37	38
	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles			From Line 6 Above	39
40	Uncollectibles Included on Line 7 Above:				40
41	Total Refunds/Collections Including Franchise & Uncollectible Expense			From Line 39 Above	41
42	Adjustment Factor to Convert Line 38 Above Before FF&U			100% + Line 38	42
43	Total Refunds/Collections Before FF&U			Line 41 / Line 42	43
44	Combined FF&U Adjustment Rate			From Line 38 Above	44
45	Franchise Fees & Uncollectible Expense Adjustment ¹	\$	(131,269)	Line 43 x Line 44	45
46	Difference	\$			46

San Diego Gas Electric Co. 2016 TRBAA Rate Filing Monthly TRBAA Details for Period Ending September 30, 2015

Line		Line
No.	FOOTNOTES to Monthly TRBAA Balance:	No.
1	The Franchise Fees and Uncollectible expense amount adjustment are removed from the amount collected from/(refunded) to customers	1
2	to properly balance in the TRBAA mechanism only the approved revenue credits and CAISO charges.	2
3		3
4	² CAISO charge code 4575, Settlements, Metering, Client Relations, was approved to be included as a component of Transmission Revenue	4
5	Credits, in Docket No. ER05-839-000, for expenses incurred starting June 21, 2005. The charge code is applicable to SDG&E as a PTO.	5
9		9
7	³ Existing Transmission Contract (ETC) Cost Differentials related to APS-IID. (See Work Paper No. 3; Pages 3.1 - 3.2; Line 8)	7
8	Pertains to SDG&E as the Scheduling Coordinator for Arizona Public Service - Imperial Irrigation District ("APS-IID").	8
6		6
10	⁴ Other Participating Transmission Owner (PTO) Related (Credits)/Charges include CAISO charge codes 7989, 7999, 8526, and 8999. In prior	10
11	filings, these charges codes were included as part of ETC Cost Differentials related to APS-IID. The segregation of these charges out of the ETC	11
12	Cost Differentials category and classifying them as Other PTO Related (Credits)/Charges enhances reporting transparency.	12

Summary of CAISO Charge Codes -SDG&E as PTO and Scheduling Agent to Support Activities Shown on Work Paper – 2

San Diego Gas Electric Company 2016 TRBAA Rate Filing CAISO Charge Types Oct. 2014 - Sep. 2015

Line		October	November	December	January	February	March	April	May
No.	Description	2014	2014	2014	2015	2015	2015	2015	2015
	High Voltage Wheeling Revenues:								
7	CT 384 - HV Wheeling Revenues Due TO	\$ (576,053)	3) \$ (619,460) \$	0) \$ (693,884) \$	\$ (839,511) \$	(461,359)	\$ (401,630) \$	\$ (646,690) \$	\$ (536,281)
3									
4									
5	CT 4575 - Settlements, Metering, & Client Relations (SDGE-PTO)	\$ 1,000	000,1	0 \$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
9									
7									
∞	ETC Cost Differentials from CAISO	\$ 489,630	0 \$ (5,224)	4) \$ 53,115	\$ (69,441) \$	\$ (500,123)	\$ 5,859	\$ (1,044)	\$ 34,450
6									
10									
11	11 Other PTO Related Revenue (Credits)/Charges	\$ 137,419	9 \$ 136,858	8 \$ 123,986	\$ 36,702	\$ (55,243)	\$ (67,106) \$	(59,283)	\$ (153,370)
12									

San Diego Gas Electric Company 2016 TRBAA Rate Filing CAISO Charge Types Oct. 2014 - Sep. 2015

June July August September Total Reference No. 2015 2015 2015 2015 100 <th></th>	
015 2015 2015 Total Reference P 654,312) \$ (741,819) \$ (711,786) \$ (499,131) \$ (7,381,918) ISO Charge Type 384 1,000 \$ 1,000 \$ 1,000 \$ 1,000 \$ 12,000 ISO Charge Type 4575 (65,893) \$ (109,112) \$ (58,644) \$ (308,117) \$ (534,545) Work Paper 8; Pages 8.1 - 8.2; Line 34 (15,964) \$ (5,589) \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	
(741,819) \$ (711,786) \$ (499,131) \$ (7,381,918) ISO Charge Type 384 1,000 \$ 1,000 \$ 1,000 \$ 12,000 ISO Charge Type 4575 (109,112) \$ (58,644) \$ (308,117) \$ (534,545) Work Paper 8; Pages 8.1 - 8.2; Line 34 (5,589) \$ 1,503 \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	2(
(741,819) \$ (711,786) \$ (499,131) \$ (7,381,918) ISO Charge Type 384 1,000 \$ 1,000 \$ 12,000 ISO Charge Type 4575 (109,112) \$ (38,644) \$ (308,117) \$ (334,545) Work Paper 8; Pages 8.1 - 8.2; Line 34 (5,589) \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	
1,000 \$ 1,000 \$ 12,000 ISO Charge Type 4575 (109,112) \$ (58,644) \$ (308,117) \$ (534,545) Work Paper 8; Pages 8.1 - 8.2; Line 34 (5,589) \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	\$
1,000 \$ 1,000 \$ 12,000 S 12,000 ISO Charge Type 4575 (109,112) \$ (58,644) \$ (308,117) \$ (534,545) Work Paper 8; Pages 8.1 - 8.2; Line 34 (5,589) \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	
1,000 \$ 1,000 \$ 1,000 \$ 12,000 ISO Charge Type 4575 (109,112) \$ (58,644) \$ (308,117) \$ (534,545) Work Paper 8; Pages 8.1 - 8.2; Line 34 (5,589) \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	
(109,112) \$ (58,644) \$ (308,117) \$ (534,545) Work Paper 8; Pages 8.1 - 8.2; Line 34 (5,589) \$ 1,503 \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	CT 4575 - Settlements, Metering, & Client Relations (SDGE-PTO)
(109,112) \$ (58,644) \$ (308,117) \$ (534,545) Work Paper 8; Pages 8.1 - 8.2; Line 34 Section 1,503 \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	
(109,112) \$ (58,644) \$ (308,117) \$ (534,545) Work Paper 8; Pages 8.1 - 8.2; Line 34 (5,589) \$ 1,503 \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	
(5,589) \$ 1,503 \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	69
(5,589) \$ 1,503 \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	
(5,589) \$ 1,503 \$ (1,805,972) \$ (1,726,059) Work Paper 10; Pages 10.1 - 10.2; Line 5	
12	\$

Summary of Transmission Revenue (Credits)/Charges Forecast Shown on Work Papers – 5, 6, 7, & 9

San Diego Gas Electric Co.
Summary of Forecast Transmission Revenue (Credits)/Charges
Shown on Pages 5, 6, 7 and 9
2016 - TRBAA Rate Filing

	Notes	Column (1)	Column (2)	Column (3)	Column (4)	
					Other PTO Related	
Line					Revenue	Line
No.	Forecast Month	Wheeling Revenues a	Client Relations Fee CT 4575 ^b	ETC Cost Differentials ^c	(Credits)/Charges d	No.
-	Jan-16	\$ (615,160)	\$	\$ (44,545)	\$ (450,397)	1
2	Feb-16	(615,160)	1,000	(44,545)	(450,397)	7
3	Mar-16	(615,160)	1,000	(44,545)	(450,397)	3
4	Apr-16	(615,160)	1,000	(44,545)	(450,397)	4
5	May-16	(615,160)	1,000	(44,545)	(450,397)	5
9	Jun-16	(615,160)	1,000	(44,545)	(450,397)	9
7	Jul-16	(615,160)	1,000	(44,545)	(450,397)	7
8	Aug-16	(615,160)	1,000	(44,545)	(450,397)	8
6	Sep-16	(615,160)	1,000	(44,545)	(450,397)	6
10	Oct-16	(615,160)	1,000	(44,545)	(450,397)	10
11	Nov-16	(615,160)	1,000	(44,545)	(450,397)	11
12	Dec-16	(615,160)	1,000	(44,545)	(450,397)	12
13	Totals	(819,1381,918)	\$ 12,000	\$ (534,545)	\$ (5,404,761)	13
14						14
ed	From Work paper No. 5; Page 5.1; Column 4; Lines 1 through 12	olumn 4; Lines 1 through 12				
q	From Work paper No. 6; Page 6.1; Column 4; Lines 1 through 12	olumn 4; Lines 1 through 12				
ပ	From Work paper No. 7; Page 7.1; Column C; Lines 1 through 12	olumn C; Lines 1 through 12				
р	From Work paper No. 9; Page 9.1; Column D; Lines 1 through 12	olumn D; Lines 1 through 12				

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

San Diego Gas & Electric Company 2016 TRBAA Rate Filing Derivation of Wheeling Revenues Forecast

	(1)	(2)	(3)	(4)	
		TRBAA Recorded		TRBAA Forecast	
		High Voltage		High Voltage	
Line		Wheeling Revenues		Wheeling Revenues -	Line
No.	Months	$(CT-384)^{a}$	Date	Cash Month	No.
_	Oct-14	\$ (576,053)	Jan-16	(615,160)	П
7	Nov-14	(619,460)	Feb-16	(615,160)	2
33	Dec-14	(693,884)	Mar-16	(615,160)	n
4	Jan-15	(839,511)	Apr-16	(615,160)	4
2	Feb-15	(461,359)	May-16	(615,160)	S
9	Mar-15	(401,630)	Jun-16	(615,160)	9
7	Apr-15	(646,690)	Jul-16	(615,160)	7
∞	May-15	(536,281)	Aug-16	(615,160)	∞
6	Jun-15	(654,312)	Sep-16	(615,160)	6
10	Jul-15	(741,819)	Oct-16	(615,160)	10
11	Aug-15	(711,786)	Nov-16	(615,160)	11
12	Sep-15	(499,131)	Dec-16	(615,160)	12
13	Total - RECORDED	(7,381,918)		(7,381,918)	13
14	Monthly Average	(615,160)			14
æ	See Work paper No. 3; Pages 3.	3; Pages 3.1 and 3.2; Line 2		÷	

San Diego Gas & Electric Company 2016 - TRBAA Rate Filing Wheeling Revenues Forecast Allocated Between High Voltage and Low Voltage Facilities

	Note 1: Forecast of Wheeling Revenues						Reference	1
7								2
n	The forecast of wheeling revenues is based on the 12-month recorded HV wheeling revenues ending 9/30/2015	wheeling 1	evenues endi	ng 9/30/2015	69	(7,381,918)	Work paper No. 5; Page 5.3, Column A, Line 25	ю
4								4
S	Note 2: HV-LV Wheeling Revenues Allocation Factors:		(a)	(q)	Ľ	(c) = (a) + (b)		5
9					L.			9
7	A. Development of Allocation Factors:	High	High Voltage	Low Voltage		Total		7
∞								8
6	TO4 Cycle 3 - Recorded Gross Plant Balances; Dollars in (\$000)	€9	2,787,031	\$ 1,580,474	∞	4,367,505	Docket No. ER16-445-000; Vol.1;Stmnt BK2; Page 2; Line 14; Informational Filing December 1, 2015	6
10								10
11	TO4 Cycle 3 - Weighted Forecast Plant Additions, Dollars in (\$000)	so	171,428	\$ 282,785	69	454,213	Docket No. ER16-445-000; Vol.1;Strnnt BK2; Page 2; Line 19; Informational Filing December 1, 2015	11
12					_			12
13	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	8	2,958,459	\$ 1,863,259	89	4,821,718	Sum Lines 9 and 11	13
14								14
15	High Voltage - Low Voltage Ratios Based on Gross Plant, Per Line 13		61.36%	38.64%	,0	100.00%	Allocation Ratios Based on Line 13	15
16								16
17	B. Allocation of High Voltage Wheeling Revenues:				_			17
18				:				18
19	Total High Voltage Wheeling Revenues				€9	(7,381,918)	Work paper No. 5; Page 5.3, Column A, Line 25	19
70								20
21	HV - Allocation Ratio is NOT Based on Plant as shown on Line 15.		100.00%			100.00%	See Footnote 1 Below	21
22								22
23	C. Total HV-LV Wheeling Revenues:	69	(7,381,918)		ક્ર	(7,381,918)	Line 19 x Line 21	23
24					\sqcup			24
	Charter							
	NOTES:				\downarrow			
-	Wheeling Revenues are assigned 100% to High Voltage facilities							

Appendix							
Wheeling Revenues Forecast			2016 2016	- TRBAA Rate Filin	npany g		
(a) (b) (c) (c)			Whee	ling Revenues Foreca	ıst		
High Voltage			(ĺ,		\prod
Property of tage Property of			(a)	(a)	(0)	(b)	
Months Months Months Months S (354) S (384) G383 G383 G383 G383 G384 G383 G384 G384 G384 G384 G385	, -		High Voltage				
Nov-14	S		Wheeling Revenues (384)		Total	Reference	Line
Dec-14 (619,460) O		Oct-14				Work paper No.	1
Dec-14 (693,884)	2						2
Dec-14 (693,884) - (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,884) (693,811) (693,814) (693,811)	3	Nov-14	(619,46		(619,460)	Work paper No. 3; Page 3.1 and 3.2; Line 2	ю
Dec-14	4						4
Peb-15	5	Dec-14	(693,88		(693,884)	Work paper No. 3; Page 3.1; Line 3.2; Line 2	5
Jan-15 (839,511) Ap-15 (461,359) - (46	9						9
Peb-15	7	Jan-15	(839,51		(839,511)	Ĺ	7
Feb-15	∞						8
Mar-15	6		(461,35		(461,359)	Work paper No. 3; Page 3.1 and 3.2; Line 2	6
Mar-15	10						10
Apr-15	11	Mar-15	(401,63		(401,630)	Work paper No. 3; Page 3.1; Line 3.2; Line 2	11
Apr-15 (646,690) - (646,690) May-15 (35,281) - (646,690) May-15 (35,281) - (356,281) Inl-15 (654,312) - (654,312) Aug-15 (711,786) - (741,819) Sep-15 (499,131) - (499,131) Total Months 12 - (499,131) Average Per Month \$ (615,160) - 8 FORECAST Per Month \$ (615,160) - 8 (7,381,918) Note 1: Forecast of Wheeling Revenues Average Per Month \$ (615,160) - 8 (7,381,918)	12						12
May-15 (536,281) - (536,281) - (536,281) - (536,281) - (554,312) - (554,312) - (554,312) - (554,312) - (741,819) - (741,819) - (741,819) - (711,786) - (711,78	13		(646,69)		(646,690)	Work paper No. 3; Page 3.1 and 3.2; Line 2	13
May-15	14						14
Jun-15 (654,312)	15		(536,28		(536,281)	Work paper No. 3; Page 3.1 and 3.2; Line 2	15
Jun-15	16						16
Jul-15	17		(654,31.		(654,312)	Work paper No. 3; Page 3.1; Line 3.2; Line 2	17
Jul-15	18						18
Aug-15	19		(741,81		(741,819)	Work paper No. 3; Page 3.1 and 3.2; Line 2	19
Note 1: Forecast of Wheeling Revenues Aug-15 Aug-15	20	-					20
Sep-15	21		(711,78		(711,786)	Work paper No. 3; Page 3.1 and 3.2; Line 2	21
Sep-15 (499,131) - (499,131) Total Total Months \$ (7,381,918) \$ (7,381,918) Average Per Month \$ (615,160) \$ (7,381,918) FORECAST Per Month \$ (615,160) \$ (615,160) Note 1: Forecast of Wheeling Revenues \$ (615,160) \$ (615,160) Wheeling revenues forecast - average of 12-month recorded HV wheeling revenues @ 9/30/2015 \$ (7,381,918)	22						22
Total Months	23		(499,13		(499,131)	Work paper No. 3; Page 3.1; Line 3.2; Line 2	ļ
Total Months	24	-					24
Total Months 12	25			69		Sum Lines 1 - 23	25
Total Months 12	26						26
Average Per Month \$ (615,160) FORECAST Per Month \$ (615,160) Note 1: Forecast of Wheeling Revenues \$ (615,160) Wheeling revenues forecast - average of 12-month recorded HV wheeling revenues @ 9/30/2015 \$ (7,381,918)	27		1.	2		12-Months Per Year	27
Average Per Month \$ (615,160) FORECAST Per Month \$ (615,160) Note 1: Forecast of Wheeling Revenues \$ (615,160) Wheeling revenues forecast - average of 12-month recorded HV wheeling revenues @ 9/30/2015 \$ (7,381,918)	28						28
FORECAST Per Month \$ (615,160) Note 1: Forecast of Wheeling Revenues Wheeling revenues forecast - average of 12-month recorded HV wheeling revenues @ 9/30/2015 \$ (7,381,918)	29			(0		Line 25/Line27	29
FORECAST Per Month \$ (615,160)	30						30
Note 1: Forecast of Wheeling Revenues Wheeling revenues forecast - average of 12-month recorded HV wheeling revenues @ 9/30/2015 \$ (7,381,918)	31			(0		See Line 29	31
Note 1: Forecast of Wheeling Revenues Revenues Wheeling revenues forecast - average of 12-month recorded HV wheeling revenues @ 9/30/2015 \$ (7,381,918)	32						32
Wheeling revenues forecast - average of 12-month recorded HV wheeling revenues @ 9/30/2015	33						33
	34		orded HV wheeling rev	enues @ 9/30/2015		Line 31; Col. (a) x 12	34

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

Derivation of ISO Charge Code 4575 - Settlements, Metering and Client Relations Forecast San Diego Gas & Electric Company 2016 TRBAA Rate Filing

		(2)	(3)	(4)	
		TRBAA Recorded		TRBAA Forecast	
		Settlements, Metering		Settlements, Metering Client	
Line		Client Relations Charge		Relations Charge Code - 4575 -	Line
No.	Months	Code - 4575 a	Date	Cash Month b	No.
	Oct-14	\$ 1,000	Jan-16	1,000	1
7	Nov-14	1,000	Feb-16	1,000	2
3	Dec-14	1,000	Mar-16	1,000	3
4	Jan-15	1,000	Apr-16	1,000	4
5	Feb-15	1,000	May-16	1,000	5
9	Mar-15	1,000	Jun-16	1,000	9
7	Apr-15	1,000	Jul-16	1,000	7
∞	May-15	1,000	Aug-16	1,000	8
6	Jun-15	1,000	Sep-16	1,000	6
10	Jul-15	1,000	Oct-16	1,000	10
11	Aug-15	1,000	Nov-16	1,000	11
12	Sep-15	1,000	Dec-16	1,000	12
13	Total	\$ 12,000		\$ 12,000	13
14					14
15	Total Months	12			15
16					16
17	Average Per Month	8 1,000			17
18					18
19	FORECAST Per Month	\$ 1,000			19
20					20
83	See Work paper No. 3; Pages 3.1 and 3.2; Line 5	and 3.2; Line 5			
-					
q	CAISO Settlements, Metering and C	lient Relations forecast is based or	n the recorded new rate	g and Client Relations forecast is based on the recorded new rates under MRTU of \$1,000 per month.	
	This amount represents the amount charged to SDG&E as a PTO. A similar amount is charged to SDG&E as the Scheduling	charged to SDG&E as a PTO. A sin	milar amount is charge	d to SDG&E as the Scheduling	
	Coordinator for APS-IID where the amount is included as part of ETC Cost Differentials.	amount is included as part of ETC	Cost Differentials.		

	San Diego	San Diego Gas & Electric Company	any			Ī
	2016 -	2016 - TRBAA Rate Filing				
	Charge Code 4575 - Settlements, Metering and Client Relations Allocated Between HV & LV	ing and Client Relati	ons Allocated Betwe	en HV & LV	-	
	Note 1: Forecast of Settlements, Metering, & Client Relations Expense				Reference	
2						2
m	The forecast of Settlements, Metering and Client Relations Expense is Based on Recorded CC4575 Twelve Month Period Ending 9/30/2015	velve Month Period End	ing 9/30/2015	\$ 12,000	Work paper No. 6; Page 6.1, Col. 4, Line 13	3
4	Adjusted for Known and Measurable Changes.					4
5						5
9	Note 2: Allocation of Settlements, Metering, & Client Relations	(a)	(p)	(c) = (a) + (b)		9
7						7
8	A. Development of Allocation Ratios:	High Voltage	Low Voltage	Total		∞
6						6
10	TO4 Cycle 3 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 2,787,031	\$ 1,580,474	\$ 4,367,505	Docket No. ER16-445-000; Vol.1;Stmnt BK2; Page 2; Line 14; Informational Filing December 1, 2015	10
Ξ						11
12	TO4 Cycle 3 - Weighted Forecast Plant Additions; Dollars in (\$000)	171,428	282,785	454,213	Docket No. ER16-445-000; Vol.1;Stmnt BK2; Page 2; Line 19; Informational Filing December 1, 2015	12
13						13
14	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 2,958,459	\$ 1,863,259	\$ 4,821,718	Sum Lines 10 and 12	14
15						15
16	High Voltage - Low Voltage Allocation Ratios Based on Gross Plant; Per Line 14	61.36%	38.64%	100.00%	Allocation Ratios Based on Line 14	16
17						17
18	B. Allocation of Settlements, Metering, & Client Relations:					18
16						19
20	Total Settlements, Metering, & Client Relations Forecast			\$ 12,000	Work paper No. 6; Page 6.1, Col. 4, Line 13	20
21						21
22	Allocation Ratios Based on Gross Plant Balances; Per Line 14	61.36%	38.64%	100.00%	See Line 16 Above	22
23						23
24	C. Total Settlements, Metering, & Client Relations:	\$ 7,363	\$ 4,637	12,000	Line 20 x Line 22	24
25						25

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

San Diego Gas & Electric Company 2016 TRBAA Rate Filing Derivation of ETC Cost Differentials Forecast

	(1)	(2)	(3)	(4)	
		TRBAA Recorded		TRBAA Forecast	
		Existing Transmission		Existing Transmission	
Line		Contracts ("ETC") Cost		Contracts ("ETC") Cost	Line
No.	Months	Differentials ^a	Date	Differentials ^b	No.
$\frac{1}{1}$	Oct-14	\$ 489,630	Jan-16	\$ (44,545)	1
2	Nov-14	(5,224)	Feb-16	(44,545)	2
3	Dec-14	53,115	Mar-16	(44,545)	3
4	Jan-15	(69,441)	Apr-16	(44,545)	4
5	Feb-15	(500,123)	May-16	(44,545)	5
9	Mar-15	5,859	Jun-16	(44,545)	9
7	Apr-15	(1,044)	Jul-16	(44,545)	7
∞	May-15	34,450	Aug-16	(44,545)	8
6	Jun-15	(65,893)	Sep-16	(44,545)	6
10	Jul-15	(109,112)	Oct-16	(44,545)	10
11	Aug-15	(58,644)	Nov-16	(44,545)	11
12	Sep-15	(308,117)	Dec-16	(44,545)	12
13	Total	\$ (534,545)		\$ (534,545)	13
14					14
15	Total Months	12			15
16			į		16
17	Average Per Month	\$ (44,545)			17
18					18
19	FORECAST Per Month	\$ (44,545)			19
20					20
			,		
æ	See Work paper No. 3; Pages 3.1	1 and 3.2; Line 8			
q	ETC Cost Differentials Forecast divided by 12 months	livided by 12 months		i	

San Diego Gas & Electric Company 2016 TRBAA Rate Filing ETC Cost Differentials Forecast Allocated Between HV and LV

-						1
2	Note 1: Forecast of ETC Cost Differentials			\$ (534,545)	Workpaper 7; Page 7.1; Line 13	2
co						3
4	Note 2: Allocation of ETC Cost Differentials Between HV-LV	(a)	(q)	(c) = (a) + (b)		4
5						S
9	A. Development of Allocation Ratios:	High Voltage	Low Voltage	Total		9
7						7
000	TO4 Cycle 3 - Recorded Gross Plant Balances: Dollars in (\$000)	\$ 2,787,031	\$ 1,580,474	\$ 4,367,505	Docket No. ER16-445-000; Vol.1;Strant	8
•			,		BK2; Page 2; Line 14; Informational Filing December 1 2015	
6						6
12	TO4 Cycle 3 - Weighted Forecast Plant Additions: Dollars in (\$000)	171,428	282,785	454,213	Docket No. ER16-445-000; Vol.1;Stmnt	10
		`			BK2; Page 2; Line 19; Informational Filing December 1, 2015	
1						11
12	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 2,958,459	\$ 1,863,259	\$ 4,821,718	Sum Lines 8 and 10	12
13						13
14	HV-LV Allocation Ratios Based on Gross Plant; Per Line 12	61.36%	38.64%	100.00%	Allocation Ratios Based on Line 12	14
15						15
16	B. Total ETC Cost Differentials Allocated Per Line 12 Allocators:	\$ (327,980)	\$ (206,565)	(534,545)	Line 2; Col. C. x Line 14	16
17						17

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

San Diego Gas & Electric Company 2016 TRBAA Rate Filing Details of Monthly ETC Cost Differentials

Line				;	,	,	,	,
0.5	Type	ELU Cost Differentials Charge Types	Oct-14	1400-14	Dec-14	CI-uar	rep-13	CI-JRIM
	6460	FMM Instructed Imbalance Energy Settlement	\$ 1,235	\$ (8,741)	\$ (3,770)	\$ (104)	\$ 6,420	\$ 5,668
2	6947	IFM Marginal Losses Surplus Credit Allocation	(108,613)	(68,039)	(78,375)	(98,936)	(63,639)	(120,792)
3	<i>LL</i> 69	Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement	1	(844)	(353)	12	(3)	105
4	8526	Generator Interconnection Process Forfeited Deposit Allocation					(59,565)	
5		All Other						12
9	0382	High Voltage Wheeling Charge due ISO 4	390	74,390	72,774	22,349	(281)	
7	0550	FERC Fees	5	624	613	188		
∞	1303	Supplemental Reactive Energy Allocation						
9	1592	EP Penalty Allocation Payment						
10	4515	Bid Segment Fee	32	28	31	30	36	44
11	4560	GMC - Market Service Charge	190	3,135	1,595	(0 <i>L</i>)	(1,370)	(1,584)
12	4561	GMC - System Operations Charge	512	10,215	2,628	246	483	345
13	4563	GMC - Transmission Ownership Rights	28,449	27,229	31,219	33,741	38,252	51,564
14	4575	Settlements, Metering, Client Relations	1,000	1,000	1,000	1,000	1,000	1,000
15	4999	Neutrality Adjustment						
16	6011	Day Ahead Energy Congestion Loss Management	506,853	46,887	2,796	(30,195)	(452,878)	74,157
17	6194	Spinning Reserve Obligation Settlement	(176)	(55)	(50)	(30)	(104)	(47)
18	6294	Non-Spinning Reserve Obligation Settlement	(23)	(2)	(2)	(1)	(4)	(2)
19	6457	Declined Hourly Pre-Dispatched Penalty Allocation	(0)	(791)	(3,908)	(214)	784	2,140
20	6470	Real-Time Instructed Imbalance Energy Settlement	(7,243)	(39,475)	2,802	6,166	(23,128)	12,704
21	6477	Real-Time Imbalanced Energy Offset	1,603	(10,126)	5,128	(1,832)	181,7	(8,548)
22	8299	Real Time Bid Cost Recovery Allocation	(1)	5,013	3,574	(95)	41	(652)
23	6774	Real Time Congestion Offset	(224)	9,593	278	(353)		(982)
24	6788	Real Time Market Congestion Credit Settlement	60,495	(54,290)	13,911	(1,639)	49,6	(14,475)
25	0629	CRR Balancing Account	(0)	(4,532)	. 677	842	68	2,768
56	6791	CRR Accrued Interest Allocation	(0)	(1)	(1)	(0)	(0)	(0)
27	6985	Real Time Marginal Losses Offset	2,233	2,881	591	(191)	511	(685)
28	7056	Flexible Ramp Cost Allocation	3,019	424	(11)	103	805	1,429
29	7057	Flexible Ramp Supply Cost Allocation Reversal	(132)	(71)	(1)	(0)	(19)	(16)
30	7058	Monthly Flexible Ramp Supply Cost Allocation	29	163	10	5	(27)	80
31	6862	Invoice Deviation Interest Distribution	(4)	(35)	(54)	(462)	(4,766)	(243)
32	7999	Invoice Deviation Interest Allocation	,	194	11	-	93	3
33	6668	Neutrality Adjustment						1,747
34		Grand Total	\$ 489,630	\$ (5,224)	\$ 53,115	\$ (69,441)	\$ (500,123)	\$ 5,859
35								
36								
37		Adjusted Total ETC Cost Differential - Line 34 above			89	\$ (69,441)	69	€9
38		Per TRBAA Schedule; Workpaper 2.1 to 2.4; Line 13	\$ 489,630	\$ (5,224)	\$ 53,115	\$ (69,441)	\$ (500,123)	\$ 5,859
39		Difference	-	-	-	-	-	1
40								

Page 8.1

San Diego Gas & Electric Company 2016 TRBAA Rate Filing Details of Monthly ETC Cost Differentials

Fig. Cost Differentials Charge Types Apr-15 May-15 Jun-15 Jul-15 Aug-15 Standard Endocrotic Energy Scientistics (197344) (147130) (14713	Particle
Fact Cost Differential Charge Types	Change From Transmission Charges Types Apr-15 May-15 Jan-15 Jal-15 Auge15 Sep-15 947 The Mustimed Indeated Energy Settlement 697 The Mustime Charges Striptise Crief Allocation 697 The Crief Crief Crief Allocation 697 The Mustime Charges Striptise Crief Allocation 697 The Crief Allocation 697 The Crief Crief Allocation 697 The Crief Allocation 697 The Crief Allocation 697 The Crief Allocation 697 The Allocation 697 The Crief Allocation 697 The Crief Allocation 698 The Crief Allocation 698 The Crief Allocation 698 The Crief Allocation 699 The Crief Allocation 699 The Crief Allocation 690 The Crief All
FIC Cost Differentials Charge Types	Charge ETC Cost Differentials Charge Types Apr-15 May-15 Jun-15 Jul-15 Apr-15 6466 FMM Instructed Imbalance Energy Settlement \$ 4.593 \$ 1,187 \$ (100,490) \$ (92,301) \$ (997) 6977 Alloched Imbalance Energy Settlement \$ (97,874) \$ (19,874) \$ (19,244) \$ (13,1912) \$ (10,882) 8255 Generate Unreconnection Process Fortified Deposit Allocation \$ (10,874) \$ (10,874) \$ (10,874) 935 Generate Unreconnection Process Fortified Deposit Allocation \$ (10,874) \$ (10,874) \$ (10,874) 935 High Voltage Wheeling Charge the ISO*** \$ (10,874) \$ (10,874) \$ (10,874) 935 High Voltage Wheeling Charge the ISO*** \$ (10,874) \$ (10,874) \$ (10,874) 935 High Voltage Wheeling Charge the ISO*** \$ (10,874) \$ (10,874) \$ (10,874) 936 ERRC Peac \$ (10,874) \$ (10,874) \$ (10,874) \$ (10,874) 937 Gold Charge the Institute Relations \$ (10,874) \$ (10,874) \$ (10,974) \$ (10,974) 938
FACTOR Cost Differentials Charge Types Apr-15 May-15 Jun-15 Jul-15 Jul-1	Charge ETC Cost Differentials Charge Types Apr-15 May-15 Jul 15 Jul 15 6947 FPM functured Inholance Energy Settlement \$ 4593 \$ 1,187 \$ (102,396) \$ (92,301) 6947 FPM functured Inholance Energy Settlement \$ (75,874) \$ (75,874) \$ (75,247) \$ (7
ETC Cost Differentials Charge Types	Charge ETC Cost Differentials Charge Types Apr-15 May-15 Jun-15 6460 FMAI Instructed imbalance Energy Settlement \$ 4,593 \$ 1,187 \$ (102,496) 6977 All Own Angural Losses Sumples Credit Allocation \$ (7,874) \$ (7),940 \$ (13,244) 6977 All Ownerwork Service Charge for Real Time \$ (7,874) \$ (7),940 \$ (13,244) 825.6 Generator Interconnection Process Forfeited Deposit Allocation 31 387 0 (2) 825.6 Englemental Reactive Energy Allocation 110 33 38 180 828.7 High Voltage Wheeling Charge due ISO* 31 38 180 828.6 High Voltage Wheeling Charge Strong Charge and Iso 36 31 43 83.8 High Voltage Wheeling Charge Strong Charge and Iso 36 31 43 845.6 GMC - System Operations Charge 26 28 180 85.9 GMC - Litaranization Ownership Rights 47,873 47,873 47,873 85.0 GMC - System Operations Chargement 37,887 48,61
FUC Cost Differentials Charge Types	Charge ETC Cost Differentials Charge Types Apr-15 May-15 6460 FMM Instructed Imbalance Energy Settlement \$ 4,593 \$ 1,187 6941 FIRM Marginal Losses Surplus Credit Allocation 2 (97,874) (97,940) 6977 Allocation of Transmission Loss Obligation Charge for Real Time 2 (97,874) (97,940) 8726 Concrator Interconnection Process Forfeited Deposit Allocation 31 39 1930 High Voltage Wheeling Charge due ISO.** 0 3 1520 FIERO Fees 141 (0) 1530 Supplemental Reactive Energy Allocation 141 (0) 1530 ERRO Fees 141 (0) 1541 ERRO Fees 26 288 1542 GMC - Market Service Charge 266 288 4556 GMC - Market Service Charge 266 288 4556 GMC - Transmission Ownership Rights 41,294 37,187 4571 Settlements, Metering, Clast Relement (3) (10 6547 Mall Time Bid Coaty Problement Ben
ETC Cost Differentials Charge Types Apr-15 FMM Instructed Imbalance Energy Settlement \$ 4,593 IEM Marginal Losses Surplus Credit Allocation (97,874) Allocation of Transmission Loss Obligation Charge for Real Time 2 Schedule Under Control Agreement 141 Generator Interconnection Process Forfeited Deposit Allocation 141 High Voltage Wheeling Charge due ISO ** 31 FERC Fees 2 Supplemental Reactive Energy Allocation 141 EP Penalty Allocation Payment 2 EB Penalty Allocation Charge 266 GMC - Market Service Charge 36 GMC - Market Service Charge 36 GMC - System Operations Charge 2 GMC - System Operations Charge 1,000 Neutrality Adjustment 47,875 Sprinning Reserve Obligation Settlement (140) Neutrality Adjustment (140) Real Time Instructed Imbalance Energy Settlement (140) Real Time Instructed Imbalance Energy Settlement (140) Real Time Market Congestion Credit Settlement (140) Real Time Market Congestion Cr	Charge ETC Cost Differentials Charge Types Apr-15 1'Spe ETC Cost Differentials Charge Types 4,593 6460 FMM Instructed Imbalance Energy Settlement 5 4,593 6947 IEM Marginal Losses Surplus Chedit Allocation (97,84) 6947 All Control Agreement (97,84) 8256 Generator Interconnection Process Forfeited Deposit Allocation (97,84) 8126 Generator Interconnection Process Forfeited Deposit Allocation 31 8127 All Other (97,84) 8128 High Voltage Wheeling Charge due ISO ** 31 8130 Supplemental Reactive Energy Allocation 31 8141 Bid Segment Fee 36 4515 Bid Segment Fee 36 4516 GMC - Market Service Charge 26 4556 GMC - Transmission Ownership Rights 41,294 4575 Settlements, Metering, Client Relations 41,294 4571 Solicade Hourly Pre-Dispatch Press, Settlement (35) 6524 Non-Spirming Reserve Obligation Settlement (36) 6534
ETC Cost Differentials Charge Types FMM Instructed Imbalance Energy Settlement IFM Marginal Losses Surplus Credit Allocation Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement Generator Interconnection Process Forfeited Deposit Allocation All Other High Voltage Wheeling Charge due ISO ** FERC Fees Supplemental Reactive Energy Allocation EP Penalty Allocation Payment Bid Segment Fee GMC - Market Service Charge GMC - Market Service Charge GMC - System Operations Charge GMC - System Operation Credit Settlement Real-Time Instructed Indeatore Energy Offset Real Time Market Congestion Offset Real Time Market Supply Cost Allocation Real-Time Instructed Interest Allocation Real-Time Market Congestion Interest Distribution Invoice Deviation Interest Allocation Invoice Deviation Interest Allocation Invoice Deviation Interest Allocation Read Time Market Congestion Offset Grand Total Grand Total Adjusted Total ETC Cost Differential - Line 34 above	Charge FYPE ETC Cost Differentials Charge Types 6460 FMM Instructed Imbalance Energy Settlement 6947 IFM Marginal Losses Surplus Credit Allocation 6977 Allocation of Transmission Loss Obligation Charge for Real Time Schedule Under Control Agreement Schedule Under Control Agreement Generator Interconnection Process Forfeited Deposit Allocation All Other All Other All Other 1592 FIGH Voltage Wheeling Charge due ISO 3 FERC Fees 1303 Supplemental Reactive Energy Allocation 1592 EP Penalty Allocation Payment 4515 Bid Segment Fee 1560 GMC - Market Service Charge 1560 GMC - Market Service Charge 1575 GMC - Transmission Ownership Rights 1575 Settlements, Metering, Client Relations 1599 Neutrality Adjustment 1594 Non-Spinning Reserve Obligation Settlement 1594 Non-Spinning Reserve Obligation Settlement 1574 Non-Spinning Reserve Obligation Settlement 1575 Real-Time Instructed Imbalance Energy Offset 1576 Real-Time Instructed Imbalance Bergy Offset 1577 Real-Time Instructed Indepation 1578 Real-Time Marginal Losses Offset 1578 Real-Time Marginal Losses Offset 1579 CRR Balancing Account 1575 Flexible Ramp Supply Cost Allocation 1589 Invoice Deviation Interest Allocation 1588

Page 8.2

12/2/2015

San Diego Gas & Electric Company Details of ETC Cost Differentials

Footnote

Line		I ine
No.	No. FOOTNOTE to Monthly ETC Cost Differentials Details:	No.
-		1
	^a During the period of October 2014 through September 2015, SDG&E was charged approximately \$116 thousand in Charge Code 382, High	
	Voltage Wheeling Allocation, at three locations, PVWEST, North Gila, and Imperial Valley (IV), with almost all the Charge Code 382 were	
	for those that occurred at IV. When SDG&E is billed CAISO charge code 382, that same amount is received as corresponding revenue by	
	SDG&E as the PTO, under Charge Code 384, High Voltage Wheeling Revenue Payment, that flows through the TRBAA as wheeling revenue.	
	SDG&E disputed Charge Code 382 because of inadvertent modelling errors introduced by the CAISO in its Full Network Model that took	
	place in the Trade Months of October, November, December of 2014, and July 2015. The CAISO concurred with the disputes and reversed the	
	related charges to Charge Code 382. The disputed amounts for the Trade Months of October and November 2014 were received in August and	
	September 2015. However, the disputed amounts for the Trade Months of December 2014 and July 2015 were received after September 2015.	
	When the Charge Code 382 - High Voltage Wheeling Allocation amount is reversed, there is also a reversal in the same amount for the PTO's	
	Charge Code 384 Wheeling Revenue.	

Work Paper – 9

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

San Diego Gas & Electric Company 2016 TRBAA Filing

Derivation of Other PTO Related Revenue (Credits) / Charges

	Α	В	С	D	
		TRBAA Recorded		TRBAA Forecast	1
Line		Other PTO Related Revenue		Other PTO Related Revenue	Line
No.	Months	(Credits)/Charges 1	Date	(Credits)/Charges - Cash Month ²	No.
1	Oct-14	\$ 137,419	Jan-16	\$ (450,397)	1
2	Nov-14	136,858	Feb-16	(450,397)	2
3	Dec-14	123,986	Mar-16	(450,397)	3
4	Jan-15	36,702	Apr-16	(450,397)	4
5	Feb-15	(55,243)	May-16	(450,397)	5
6	Mar-15	(67,106)	Jun-16	(450,397)	6
7	Apr-15	(59,283)	Jul-16	(450,397)	7
8	May-15	(153,370)	Aug-16	(450,397)	8
9	Jun-15	(15,964)	Sep-16	(450,397)	9
10	Jul-15	(5,589)	Oct-16	(450,397)	10
11	Aug-15	1,503	Nov-16	(450,397)	11
12	Sep-15	(1,805,972)	Dec-16	(450,397)	12
13	Total	\$ (1,726,059)	(c)	\$ (5,404,761)	13
14					14
1		Line 11/ WP No. 10; Page 10.2 Toto refund for Generator Interconnect 015 Col; Line 3)		\$ (1,726,059) 1,805,134	
		refund for Generator Interconnection	on Process Deposit	(5,483,836)	(b)
	(See WP No. 9; Page 9.3, Line 13 to	for detail analysis and CAISO Mark	tet Payment Advice copies)		
	Net Charge Code 8526 Forecast			\$ (5,404,761)	(c)
2	Forecast Per Month = (c) / 12 Mon	ths		\$ (450,397)	
	()]	m :cc 1 1: DD a :: 7.	1 11	1 11 G 1 10 G 1 G 1 2 5 6 6	
				ated with CAISO Charge Code 8526,	
_	Generator Interconnection Process				
				6 and was flowed through the TRBA	
	This amount was excluded in devel	toping the 2016 forecast, since it was	is aiready included as part of	the September 30, 2015 TRBAA bala	ince.
	(b) In October 6, 2015. SDG&E als	so received from the CAISO an add	itional amount totaling \$5 48	3,836.42 applicable to charge code 85	526
				a known amount that will have to be	
	credited back to customers during t			a mio in amount that will have to be	
	The same of the sa	are and rate officer.			

		:	H				
	San Diego (2016 - 7	San Diego Gas & Electric Company 2016 - TRBAA Rate Filing	Compan Filing	J.Y.			
	Derivation of Other PTO Related Reven	ue (Credits)/	Charges /	ated Revenue (Credits)/Charges Allocated Between HV and LV	n HV and LV		
-	Note 1: Forecast of Other PTO Related Revenue (Credits)/Charges					Reference	1
2							7
т	Recorded Other PTO Related Revenue (Credits)/Charges For Twelve Month Period Ending 9/30/2015				\$ (1,726,059)	WP No. 10; Page 10.2, Total Col, Line 5	Э
4	CC 8526 Other PTO Related Revenue (Credits)/Charges received on Sept, 2015				1,805,134	WP No. 10; Page 10.2, Sept 15 Col, Line 3	4
'n	Derived Forecast of Other PTO Related Revenue (Credits)/Charges - to be allocated by gross plant balances (see Note 2)	ances (see Note	2)		\$ 79,075	Line 3 + Line 4	5
9							9
7	CC 8526 - Generator Interconnection Process Forfeited Deposit Allocation Refund Received on Oct, 2015 (See Note 3)	015 (See Note	3)		(5,483,836)	See WP 9.1 footnote (b) explanation for inclusion	7
8							∞
6	Total Derived Forecast of Other PTO Related Revenue (Credits)/Charges				\$ (5,404,761)	Line 5 + Line 7	6
10							10
11	Note 2: Allocation of Other PTO Related Revenue (Credits)/Charges on Line 5	(a)		(p)	(c) = (a) + (b)		111
12							12
13	Development of Gross Plant Balances Allocation Ratios:	High Voltage	ge	Low Voltage	Total		13
14							14
15	TO4 Cycle 3 - Recorded Gross Plant Balances; Dollars in (\$000)	\$ 2,787,031	,031 \$	1,580,474	\$ 4,367,505	Docket No. ER16-445-000; Vol.1;Stmnt BK2; Page 2; Line 14; Informational Filing December 1, 2015	15
16							16
17	TO4 Cycle 3 - Weighted Forecast Plant Additions; Dollars in (\$000)	. 171	171,428	282,785	454,213	Docket No. ER16-445-000; Vol.1;Strant BK2; Page 2; Line 19; Informational Filing December 1, 2015	17
18							18
19	Total Recorded & Forecast Gross Plant Balances; Dollars in (\$000)	\$ 2,958,459	,459 \$	1,863,259	\$ 4,821,718	Sum Lines 15 and 17	19
20							20
21	High Voltage - Low Voltage Allocation Ratios Based on Gross Plant; Per Line 19	61	61.36%	38.64%	100.00%	Allocation Ratios Based on Line 19	21
22	-						22
23	Net Forecast of Other PTO Related Revenue (Credits)/Charges				\$ 79,075	See line 5 above	23
25	Allocation Ratios Based on Gross Plant Balances; Per Line 21	61	61.36%	38.64%	100.00%	See Line 21 Above	25
26							26
27	Total Allocation of Other PTO Related Revenue (Credits)/Charges on Line 5	\$ 48	48,518 \$	30,557	79,075	Line 23 x Line 25	27
78							28
29	Note 3: Allocation of Other PTO Related Revenue (Credits)/Charges on Line 7	\$ (5,48)	(5,483,836)		(5,483,836)	See WP 9.1 footnote (b) explanation assigned to HV per CAISO	29
30			\perp				30
31	Total Other PTO Related Revenue (Credits)/Charges HV/LV Allocation	\$ (5,43;	(5,435,318) \$	30,557	\$ (5,404,761)	Line 27 + Line 29	31
32							32

Development Analysis on CAISO Charge Code 8526 - Generator Interconnection Process Forfeited Deposit Allocation San Diego Gas & Electric Company For 2016 TRBAA Filing Forecast

Line No	Date SDG&E Was Paid	Amount	Note	Reference	Line No
1		\$ 1,605,964.19	НУТ		1
2		\$ 199,170.30	TVT		2
3	9/22/2015	\$ 1,805,134.49	HVT and LVT Total	Line 1 + Line 2	3
4					4
5		\$ 7,089,800.61	On 9/30/15, CAISO Adjusted the HVT Amount to be		5
9		\$ 5,483,836.42	HVT Amount which should have been on T+12 Invoice	Line 5 - Line 1	9
7					7
			Due to an inadvertent error, CAISO included the LTRR		
8		\$ 199,170.30	Portion in the T+12 HVT Calculation	See Line 2	8
			As a result, the T+12 Invoice 8526 Amount was this,		!
6		\$ 5,284,666.12	following the Normal Invoice Process	Line 6 - Line 8	6
10					10
				See CAISO Payment Advice	
11	10/6/2015 4.9k	\$(199,170.30)	Supplemental Invoice Amount paid on 060ct2015	copy (WP 9.3A)	11
			As a result, the T+12 Invoice 8526 Amount was this,	See CAISO Payment Advice	
12	10/6/2015 9.39	(\$ 5,284,666.12)	following the Normal Invoice Process	copy (WP 9.3B Page 1 of 3)	12
	(6 }0 i)		Total received on 06Oct2015 under two Invoices, the T+12		
13	10/6/2015	\$ 5,483,836.42	and the 2nd being the Supplemental	Line 11 + Line 12; See Line 6	13
14					14
15		\$ 7,089,800.61	Validated Total HVT Amount due TO02	Line 1 + Line 13; See Line5	15



Date:

30-Sep-15

San Diego Gas & Electric Co.

101 ASH STREET

SAN DIEGO CA 92101

Invoice #: 2015093032-195922

BAID: 1188

Invoice Month: September 2015

Due Date: 06-Oct-15

Please send payment to:

ABA #122000496

122000496

San Diego Gas & Electric Co. 4430000352

For all inquiries contact:

California ISO

250 OUTCROPPING WAY

FOLSOM CA 95630

Comments:

Charges for Bill Period:

September 01, 2015 to September 30, 2015

Charge Code	Description	Current	Previous	Net
8526	Generator Interconnection Process Forfeited Deposit Allocation	(\$ 199,170.30)	\$ 0.00	(\$ 199,170.30)
	Charge Group Total	(\$ 199,170.30)	\$ 0.00	(\$ 199,170.30)
	Parent Group Total	(\$ 199,170.30)	\$ 0.00	(\$ 199,170.30)
	Bill Period Total:	(\$ 199,170.30)	\$ 0.00	(\$ 199,170.30)

Invoice Total:

Invoice 2 of 2 received on 10/6/15 in the amount of \$199,170.30

(\$ 199,170.30)



Date: 29-Sep-2015

Page: 1 of 3

San Diego Gas & Electric Co. 101 ASH STREET SAN DIEGO CA 92101

Invoice #: 2015092931-30862322

Date: 09/29/2015

BAID: 1188

Invoice Month: September 2015 Due Date: 10/06/2015

Please send payment to:

For all inquiries contact:

ABA #122000496 California ISO Settlements Internal Use Only 122000496

250 OUTCROPPING WAY

San Diego Gas & Electric Co. 4430000352 FOLSOM CA 95630 **FOLSOM**

Comments:

Charges for Bill Period:

09/04/2015 to 09/13/2015

Net	Previous	Current	Description	Charge Code
0.00	(5,527.90)	(5,527.90)	Invoice Deviation Interest Distribution	CC7989
0.00	2,594.94	2,594.94	Invoice Deviation Interest Allocation	CC7999
\$0.00	(\$2,932.96)	(\$2,932.96)	Deviation Interest Charge Group Total	Invoice E
\$0.00	(\$2,932.96)	(\$2,932.96)	l Adjustments Parent Group Total	Financia
(5,284,666.12)	(1,805,134.49)	(7,089,800.61)	Generator Interconnection Process Forfeited Deposit Allocation	CC8526
(\$5,284,666.12)	(\$1,805,134.49)	(\$7,089,800.61)	eited Deposit Allocation Charge Group advertent error, the CAISO I of the 8526 amount received on	to an ina
(\$5,284,666.12)	(\$1,805,134.49)	(\$7,089,800.61)	the initial HVT portion received been subtracted, which was	•
((978.94))	10,280.80	9,301.86	Exceptional Dispatch Uplift Allocation	C6489
(\$978.94)	\$10,280.80	\$9,301.86	nal Dispatch Charge Group Total	Exception
(\$978.94)	\$10,280.80	\$9,301.86	- Г Settlement Parent Group Total	HASP-RT

Page - 9.30 (10f3)



Date: 29-Sep-2015

Page: 2 of 3

San Diego Gas & Electric Co. 101 ASH STREET SAN DIEGO CA 92101

Invoice #: 2015092931-30862322

Date: 09/29/2015

BAID: 1188

Invoice Month: September 2015

Due Date: 10/06/2015

Please send payment to:

ABA #122000496 122000496

San Diego Gas & Electric Co. 4430000352

FOLSOM

For all inquiries contact:

California ISO Settlements Internal Use Only

250 OUTCROPPING WAY

FOLSOM CA 95630

Comments:

Charges for Bill Period:

09/04/2015 to 09/13/2015

Charge Code	Description		Current	Previous	Net
<u> </u>		Bill Period Total:	(\$7,083,431.71)	(\$1,797,786.64)	(\$5,285,645.06)



Date: 29-Sep-2015

Page: 3 of 3

San Diego Gas & Electric Co. 101 ASH STREET SAN DIEGO CA 92101

Invoice #: 2015092931-30862322

Date: 09/29/2015

BAID: 1188

Invoice Month: September 2015 Due Date: 10/06/2015

Please send payment to:

For all inquiries contact:

ABA #122000496 California ISO Settlements Internal Use Only 250 OUTCROPPING WAY

San Diego Gas & Electric Co. 4430000352 FOLSOM CA 95630

FOLSOM

Comments:

Charges for Bill Period: 09/21/2015 to 09/27/2015

Charge Code	Description	Current	Previous	Net
CC7989	Invoice Deviation Interest Distribution	(246.95)	0.00	(246.95)
CC7999	Invoice Deviation Interest Allocation	377.94	0.00	377.94
Invoice	Deviation Interest Charge Group Total	\$130.99	\$0.00	\$130.99
Financia	al Adjustments Parent Group Total	\$130.99	\$0.00	\$130.99
CC6489	Exceptional Dispatch Uplift Allocation	868.72	0.00	868.72
Exception	onal Dispatch Charge Group Total	\$868.72	\$0.00	\$868.72
HASP-R	T Settlement Parent Group Total	\$868.72	\$0.00	\$868.72
	Bill Period Total:	\$999.71	\$0.00	\$999.71
	Invoice Total:			(\$5,284,645.36)

Work Paper – 10

Details of Monthly
Other PTO Related
Revenue (Credits)/Charges

San Diego Gas & Electric Company 2016 TRBAA Rate Filing Details of Monthly Other PTO Related Revenue (Credits)/Charges

										-		
Line	Line Charge							·		· ·		
No.	Type	Other PTO Related Revenue (Credits)/Charge Types	Oct-14	Nov-14	1	Dec-14	Ja	Jan-15	Feb	Feb-15	Ma	Mar-15
-	6862	Invoice Deviation Interest Distribution	(3,641)	(117)	2) \$	(36)	\$	(58,570)	···	(54,799)	°	(71,514)
7	7999	Invoice Deviation Interest Allocation	141,060	0 136,975	5	124,021		95,273		807		4,407
3	8526	Generator Interconnection Process Forfeited Deposit Allocation						-		(1,251)		
4	6668	Neutrality Adjustment										
'n		Grand Total	\$ 137,419	9 \$ 136,858	& &	123,986	ક્ક	36,702) <u>\$</u>	(55,243)	8	(67,106)
9												
۲					_					_		
∞		Adjusted Total Other PTO Related Revenue (Credits)/Charges -	\$ 137,419	9 \$ 136,858	\$	123,986	€9	36,702	;)	(55,243)) S	(67,106)
		Line 5 above		i								
6		Per TRBAA Schedule; Workpaper 2.1 to 2.4; Line 14	\$ 137,419	9 \$ 136,858	8	123,986	∽	36,702	\$	(55,243)	8	(67,106)
10		Difference	-	1				-		-		,
11												
æ	Other Pa include (Other Participating Transmission Owner (PTO) Related (Credits)/Charges include CAISO charge codes 7989, 7999, 8526, and 8999. In prior filings.										
	these cha											
	to APS-I	to APS-IID. The segregation of these charges out of the ETC Cost										
	Different	Differentials category and classifying them as Other PTO Related										
	(Cicuits)	(Cleuis)/Charges chilances reporting transparency.			_							

San Diego Gas & Electric Company 2016 TRBAA Rate Filing Details of Monthly Other PTO Related Revenue (Credits)/Charges

Line No.		1	2	3	4	5	9	7	«		6	10	11						
Total		(437,615)	517,941	(1,806,386)	•	(1,726,059)			(1,726,059)		(1,726,059)	-							
		S				\$			8		€9		$oxed{oxed}$						
Sep-15		\$ (5,679)	4,841	(1,805,134)		\$ (1,805,972)			\$ (1,805,972) \$		\$ (1,805,972)				1				
Aug-15		\$ (6,171)	7,674			\$ 1,503			\$ 1,503		\$ 1,503	ı							
			5				H						Н						_
Jul-15		(6,633)	1,045		,	(5,589)			(5,589)		(5,589)	1							
		()	- 1.			\$ (i	Н	H	S C		S		\vdash						
Jun-15		(16,108)	144			(15,964)			(15,964)		(15,964)	1							
		<u>\$</u>				\$ (8		\$ (_					
May-15		(153,529)	159			(153,370)			(153,370)		(153,370)	1							
	\rightarrow	7) \$			\dashv	s) (s	Н	<u> </u>	<u>\$</u>		3)	Н	Н	L					
Apr-15		(60,817)	1,534			(59,283)			\$ (59,283) \$		(59,283)	,							
	<u> </u>	↔				89	-	.	••		S		\square		· ·	ਲ੍ਹ			
ge e Other PTO Related Revenue (Credits)/Charge Types a		9 Invoice Deviation Interest Distribution	9 Invoice Deviation Interest Allocation	6 Generator Interconnection Process Forfeited Deposit Allocation	9 Neutrality Adjustment	Grand Total			Adjusted Total Other PTO Related Revenue (Credits)/Charges -	Line 5 above	Per TRBAA Schedule; Workpaper 2.1 to 2.4; Line 14	Difference			Other Participating Transmission Owner (PTO) Related (Credits)/Charges include CAISO charge codes 7989, 7999, 8526, and 8999. In prior filings.	these charges codes were included as part of ETC Cost Differentials related	to APS-IID. The segregation of these charges out of the ETC Cost	Differentials category and classifying them as Other PTO Related	(Credits)/Charges enhances reporting transparency.
Line Charge No. Type		7989	7999	8526	8999										Other I include	these cl	to APS	Differe	(Credit
Line No.		-	7	m	4	S	9	7	∞		6	10	11		a				

Work Paper – 11 Allocation of Standby Revenues Between High Voltage and Low Voltage Facilities

L						
	Sa	in Diego Gas & Electric Company	tric Company			
		2016 - TRBAA Rate Filing	ate Filing			
		Standby Revenues	ennes			
Line						Line
No.				Total	Reference	No.
	Note 1: Standby Revenues:					1
<u></u>					TO4-Cycle 3 Informational Filing; Docket	,
7					No. EK10-445-000	7
ε	Total Standby Revenues 1			\$ 11,096,064	Statement BG; Page 1; Line 24; Col. A	3
4						4
S	Note 2: Allocation of Standby Revenues Between HV-LV:	(a)	(q)	(c) = (a) + (b)		5
9				-	;	9
7	A. Development of Allocation Ratios:	High Voltage	Low Voltage	Total		7
∞						8
6	TO4-Cycle 3 Informational Filing-Wholesale Base TRR (\$ in 1000)	\$ 492,206	\$ 303,290	\$ 795,496	TO4-Cycle 3 Informational Filing; Docket No. ER16-445-000	6
2						10
11	Allocation Ratios Based on Wholesale Base TRR per Line 9	61.87%	38.13%	100.00%	Ratios Based on Line 9	11
12						12
13	B. Standby Revenues - Allocated Between HV-LV	\$ 6,865,590	\$ 4,230,474	\$ 11,096,064	Line 3 x Line 11	13
14						14
-	The Standby Revenue amount of \$11,096,064 comes from Cost Statement BG; Page 1; Column A; Line 24, in FERC Docket No. ER16-445-000; Informational Filing,	nent BG; Page 1; Co	lumn A; Line 24, in F	ERC Docket No. ER.	16-445-000; Informational Filing,	
	filed with the FERC on December 1, 2015.					

Work Paper - 12 12-Month Recorded Sales Ending 9/30/2015 & 12-Month Forecast Sales from 1/1/2016 thru 12/31/2016

									PASSA A HESCHALLES AND A STATE OF THE PASSA AN	the state of the s		The second secon		2
System Delivery Determinants														-
Customer Class Deliveries (MWh)	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Total	71
	688,658	559,881	590,713	654,947	535,798	523,755	500,457	505,583	510,494	599,362	654,904	777,855	7,102,407	
Small Commercial	179,732	165,753	156,408	158,997	145,388	152,623	157,570	148,065	150,826	169,257	171.789	184,457	1,940,764	
Med. & Large Comm./Ind.	914,543	818,356	808,608	829,206	833,177	780,573	835,368	819,022	751,011	940,849	895,518	937,539	10,164,970	'n
Agriculture (PA)	8.811	7,888	5,561	4,831	6,130	5,933	7,997	7,519	7.787	8,937	8,593	9,530	89,515	٥
Agriculture (PA-T-1.)	20,934	20,879	15,932	12,506	16,555	15,367	19,457	16,045	15,866	19,154	44,309	17,339	234,343	^
	5,597	10,246	7,366	5,423	10,807	7,851	8,589	4,867	7,063	9,130	4,809	8,163	116,98	∞
Sale for Resale	4.7	11.3	0.51	7.5	0.5	3.4	8.9	4.5	9.0	1.5	0.5	0.5	57	_
Total System	1,818,280	1,583,014	1,585,803	1,665,918	1,547,756	1,486,104	1,529,444	1,501,105	1,443,048	1,746,690	1,779,922	1,934,884	19,621,968	2
														11
Total System - EXCLUDING Sale for Resale	1,818,275	1,583,002	1,585,788	1,665,910	1,547,756	1,486,101	1,529,437	1,501,101	1,443,047	1,746,688	1,779,922	1,934,884	19,621,911	_
INPUT FROM RECORDED DETERMINANTS:	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Total	13
Medium & Large Details - Deliveries in MWH:														15
Med & Large C/I (AD)	4,012	3,382	3,119	3,219	3,022	3.064	3,211	3,181	3,038	3,325	3,469	3,744	39,786	16
Med & Large C/I (AL+AY+DGR)	839,632	750,935	745,192	760,858	775.371	714,206	768,825	760,023	713.788	843,724	829,949	876,425	9,378,927	 - -
Med & Large C/I (A6)	70,899	64,039	61,497	65,129	54,785	63,303	63,332	55.817	34,185	93,800	62,101	57,370	746,257	28
Total	914,543	818,356	809,808	829,206	833,177	780,573	835,368	819,022	751,011	940,849	895,518	937,539	10,164,970	
														20
		3												
											1			
					San Diego Gas & Electric	& Electric								1 in
			Recorded Bill	Recorded Billing Determinants for the 12-Month Period: October 2014 - September 2015	for the 12-Month	h Period: October	2014 - Septemb	er 2015						ž
System Delivery Determinants														21
Customer Class Deliveries (kWh)	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Total	12
	688,658,138	559,880,773	590,713,442	654,946,809	535,798,244	523,755,011	500,457,028	505,583,138	510,494,276	599,361,586	654,903,690	777,855,363	7,102,407,498	<u> </u>
Small Commercial	179,731,896	165,752,621	156,407,691	158,996,758	145,288,076	152,622,698	157,569,514	148,065,197	150,825,939	169,257,114	171,789,464		1,940,764,347	ļ.,
Med. & Large Comm./Ind.	914,543,246	818,356,420	809,807,873	829,205,681	833,177,428	780,572,590	835,367,803	819,021,759	751,011,301	940,848,952	895,518,272	[10,164,970,098	_
Agriculture (PA)	8,810,844	7,887,915	5,560,685	4,831,195	6,129,852	5,932,939	7,996,627	7,518,836	7,787,178	8,937,155	8,592,521		89,515,434	┸-
Agriculture (PA-T-1)	20,933,961	20,879,015	15,932,189	12,506,421	16,555,379	15,366,852	19,457,062	16,045,251	15,865,512	19,153,571	44,308,534	17,339,281	234,343,028	
	5,597,297	10,245,738	7,366,162	5,423,418	10,806,555	7,850,608	8,589,040	4,866,573	7,062,850	9,129,845	4,809,371	8,163,389	89,910,846	78
Sale for Resale	4,679	11,300	14,983	7,458	l.	3,395	6,764	4,492	574	1,533	535	536	56,709	53
Total System	1,818,280,061	1,583,013,782	1,585,803,025	1,665,917,740	1,547,755,994	1,486,104,093	1,529,443,838	1,501,105,246	1,443,047,630	1,746,689,756	1,779,922,387	1,934,884,408	19,621,967,960	30
Total Surtem - TYCH IIDING Cale for Decele	1 010 276 202	1 500 000 400	200 000 000	000 010 300 1	1 40 000 010	000	1000							\vdash
II - EACH ODING Sale for Resale	1,010,47,304	794,700,606,1	1,363,766,042	1,003,910,282	1,547,755,334	1,486,100,698	1,529,437,074	1,501,100,754	1,443,047,056	1,746,688,223	1,779,921,852	1,934,883,872	19,621,911,251	3 32
INPUT FROM RECORDED DETERMINANTS:	. Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	Mav-15	Jun-15	Jul-15	Aug-15	Sep-15	Total	34
Medium & Large Details - Deliveries in kWh:														
Med & Large C/1 (AD)	4,012,371	3,382,250	3,119,207	3,218,862	3,021,594	3,063,845	3,210,851	3,181,481	3,038,164	3,324,696	3,468,662	3,743,913	39,785,896	
Med & Large CI (AL+AY+DGR)	839,631,954	750,935,107	745,191,966	760,857,968	775,370,846	714,205,566	768,824,665	760,023,407	713,788,186	843,723,886	829,948,767	876,424,701	9,378,927,019	1
Med & Large C/I (A6)	70,898,921	64,039,063	61,496,700	65,128,851	54,784,988	63,303,179	63,332,287	55,816,871	34,184,951	93,800,370	62,100,843	57,370,159	746,257,183	38
Total	914,543,246	818,356,420	809,807,873	829 205 681	833 177 428	700 573 500	500 575 350	010 001 150	, , , , , , , ,	*****				L
					77L,111,000	065,215,001	500,100,000	617,071,739	751,011,301	940,848,952	895,518,272	937,538,773	937,538,773 10,164,970,098	39

The state of the s											The American Company of the Management of the Company of the Compa			Νο
System Delivery Determinants														\dashv
Customer Class Deliveries (MWh)	<u>Jan-16</u>	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	<u>Aug-16</u>	Sep-16	Oct-16	Nov-16	Dec-16	Total	H
Residential	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	7
Small Commercial	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	63
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	51
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	51
Agriculture (PA-T-1)	14,423	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349	6
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	5
Sale for Resale	3.2	3.1	3.1	3.0	3.0	3.1	3,2	3.0	3.2	3.0	3.1	3.2	37.3	1 ~
Total System	1,721,620	010,665,1	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	5 6
														₩
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	
														┸
INPUT FROM FORECAST INFORMATION:	1: Jan-16	Feb-16	Mar-16	Apr-16	Mav-16	Jun-16	<u>Jul-16</u>	<u>Aug-16</u>	Sep-16	Oct-16	Nov-16	Dec-16	Total	41
Medium & Large Details - Deliveries in MWH:														1.5
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	15
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	794,380	758,472	733,309	9.217.117	
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	18
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	0 998 822	_
									,					_
														++
					San Diene Cas & Electric	Plantain								
			Forecast Billi	ne Determinants	Forecast Billing Determinants for the 12-Month Period: January 2016 - December 2016	Period: January	. 2016 - Decembe	r 2016						Line
System Delivery Determinants														+
Customer Class Deliveries (kWh)	Jan-16	Feb-16	Mar-16	Anr-16	Mav-16	Jun-16	Jul-16	Δ 1.α-16	Son 16	024 16	Mar. 16	75. 14	E	2 2
Residential	727.419.849	636 792 165	609 933 415	558 437 152	557 577 44K	580 784 274	KKK 573 134	687 833 044	750 415 005	700 000 007	070 007 303	01-320	10131	+
Small Commercial	160,331,520	153,697,926	151.745.769	147.213.246	150 465 496	157 807 522	177 587 689	171 201 558	184 877 950	164 655 053	154 757 034	156 346 731	1,681,377,391	2 2 2 2
Med. & Large Comm./Ind.	806 963 765	782 041 552	771 005 238	775 707 508	804 427 505	834 930 911	900 708 522	001 307 304	702 200 130	100,000,000	100,101,101	107,040,000	1,743,002,49.	_
Agriculture (PA)	4.580.174	4.634.909	4.677.383	5 633 199	6 826 506	8 790 769	978 378	9 160 877	770 347	838,673,091	829,663,454	802,075,681	9,998,822,077	5 5
Agriculture (PA-T-1)	14.423.292	14.338.852	14 310 957	16 299 756	19 692 252	22 786 463	25,220,530	74 736 737	25 455 369	21 961 203	10 000 01	25,400,002	03,102,103	Ц.
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	
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	╄
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	
10tal 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	
INPUT FROM FORECAST INFORMATION:	.Tan-16	Feb-16	Mar-16	Anr-16	Mow.16	Ĭ 16	71 17	7.5	36.19	,	;	,		3
Medium & Large Details - Deliveries in kWh:					27	71-110	Or Line	01-300	OED-10	01-130	01-400	Dec-10	Total	35 55
36 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	_
37 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	794,379,691	758,471,881	733,309,323	9,217,117,035	_
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	
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	
		_												

San Diego Gas & Electric Company 2016 TACBAA Rate Filing

Attachment - D Transmission Access Charge Balancing Account Adjustment (TACBAA) Cost Statements

ER16- -000

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

A.	Statement BD – Allocation Energy and Supporting Data	<u>Pages</u> 1 - 2
B.	Statement BG – Revenue Date to Reflect Changed Rates	1 - 4
C.	Statement BH – Revenue Data to Reflect Present Rates	1 - 3
D.	Statements BK & BL (Combined) – Retail TACBAA Rate Calculation	1
E.	TACBAA Work Papers 1. WP-1 Monthly TACBAA Detailed Balances Thru Oct 2015	1.1 – 1.4
	2. WP-2 Forecast for November & December 2015	2.1 - 2.2
	3. WP-3 CAISO TAC (Benefit) / Burden Calculation	3.1
	4. WP-4 CAISO PTO HVTRR Calculation	4.1 – 4.4
	5. WP-5 Recorded and Forecast Sales Information	5.1 - 5.2

Attachment – D (Cont'd)

A. Statement BD - Allocation Energy and Supporting Data

			Statement BD	I BU		
			San Diego Gas & Electric Company	ectric Company		
			2016 - TACBAA Rate Filing	Rate Filing		
		-	Allocation Energy and Supporting Data	Supporting Data		
		(A)	(B)	(C) = (A) - (B)		
		Retail Energy Sales		Retail Energy Sales		
Line		(a) Meter Level	City of Escondido 1	@ Meter Level		Line
No.	Date	Plus Sale for Resale		Net of Sale for Resale	Reference	No.
-	Jan-16	1,721,620,279	3,249	1,721,617,031	Workpaper No. 5; Page 5.2; Lines 30; 29	1
2	Feb-16	1,599,010,033	3,068	1,599,006,965	Workpaper No. 5; Page 5.2; Lines 30; 29	2
3	Mar-16	1,559,170,558	3,090	1,559,167,468	Workpaper No. 5; Page 5.2; Lines 30; 29	3
4	Apr-16	1,510,609,164	3,014	1,510,606,150	Workpaper No. 5; Page 5.2; Lines 30; 29	4
5	May-16	1,541,348,309	3,037	1,541,345,272	Workpaper No. 5; Page 5.2; Lines 30; 29	5
9	Jun-16	1,613,144,496	3,149	1,613,141,347	Workpaper No. 5; Page 5.2; Lines 30; 29	9
7	Jul-16	1,781,127,633	3,197	1,781,124,436	Workpaper No. 5; Page 5.2; Lines 30; 29	7
∞	Aug-16	1,776,122,022	3,020	1,776,119,002	Workpaper No. 5; Page 5.2; Lines 30; 29	8
6	Sep-16	1,937,642,729	3,179	1,937,639,550	Workpaper No. 5; Page 5.2; Lines 30; 29	6
10	Oct-16	1,694,614,387	3,033	1,694,611,354	Workpaper No. 5; Page 5.2; Lines 30; 29	10
111	Nov-16	1,612,917,043	3,062	1,612,913,981	Workpaper No. 5; Page 5.2; Lines 30; 29	11
12	Dec-16	1,665,936,489	3,177	1,665,933,312	Workpaper No. 5; Page 5.2; Lines 30; 29	12
13						13
14						14
15	Total	20,013,263,143	37,274	20,013,225,869	Sum Lines 1 thru 12	15
	-					
	Notes:					
1	Escondido Mutual sa	Escondido Mutual sales are excluded from the KWh	KWh total because they	r are classified as sales to	total because they are classified as sales to wholesale customers not retail.	
	Forecast sales are inc	Forecast sales are included to develop Statements BG and BH, Revenues at Proposed and Present Rates respectively	its BG and BH, Revenu	ies at Proposed and Pres	ent Rates respectively.	

Attachment D - (Cont'd)

B. Statement BG - Revenue Data to Reflect Changed Rates

Statement BG

SAN DIEGO GAS & ELECTRIC COMPANY
Comparison of Transmission Access Charge Balancing Account (TACBAA) Revenues During the Rate Effective Period @ Forecast Billing Determinants
For Rate Effective Period Twelve Months Ending January 1, 2016 through December 31, 2016
(\$000)

		1	(a)		(b)	(c) = (a) - (b)	(q)/(0) = (p)		
		(Sta	(Statement BG) 2016	(Sta	(Statement BH) 2016				
Line	4)	TAC	senue	TAC	ACBA Revenues		(%)		Line
No.	Customer Classes	@ Pr	@ Proposed Rates	@ F	@ Present Rates	(\$) Change	Increase/(Decrease)	Reference	No.
_	Residential Customers	8	(66,827,983)	€9	(104.389.920)	\$ 37.561.937	35.98%	Statement BG; Page 2 of 4; Line 1	-
7								Statement BH; Page 1 of 3; Line 1	7
3	Small Commercial Customers	S	(16,753,438)	€9	(26,170,024)	9,416,586	35.98%	Statement BG; Page 2 of 4; Line 3	3
4							-	Statement BH; Page 1 of 3; Line 3	4
3	Medium-Large Commercial Customers	€>	(86,989,752) \$	69	(135,883,991)	48,894,239	35.98%	Statement BG; Page 2 of 4; Line 5	5
9								Statement BH; Page 1 of 3; Line 5	9
7	Agriculture (PA and TOU-PA)	⇔	(723,512) \$	€3	(1,130,174)	406,662	35.98%	Statement BG; Page 2 of 4; Line 7	7
∞								Statement BH; Page 1 of 3; Line 7	∞
6	Agriculture (PA-T-1)	€9	(2,030,139)	63	(3,171,218)	1,141,079	35.98%	Statement BG; Page 2 of 4; Line 9	6
10								Statement BH; Page 1 of 3; Line 9	10
11	11 Street Lighting Customers	↔	(790,244)	↔	(1,234,413)	444,169	35.98%	Statement BG; Page 2 of 4; Line 11	111
12			•					Statement BH; Page 1 of 3; Line 11	12
13	Grand Total	€>	(174,115,068)	s>	(271,979,740)	\$ 97,864,672	35.98%	Sum Lines 1 through 11	13

															ſ
							Statement BG								
						SAN DIEGO GA	SAN DIEGO GAS AND ELECTRIC COMPANY	IC COMPANY							
				Transmiss	sion Access Char	ge Balancing Acc	Transmission Access Charge Balancing Account (TACBAA) Revenue Data To Reflect Changed Rates	Revenue Data To	Reflect Change	d Rates					
				For the F	Rate Effective Pe	riod - Twelve Mc	For the Rate Effective Period - Twelve Months Ending January 1, 2016 through December 31, 2016	ary 1, 2016 throu	gh December 31	, 2016		<i>x</i>			
		(A)	(B)	0	ê	Œ	£	(Đ)	Œ	8	5	(K)	Œ	(M)	
T												٠			
Line	Customer Class	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	Line
Š.														4	No.
-	Residential Customers 1	\$ (6,328,553)	6-3	(5,540,092) \$ (5,306,421)	\$ (4,858,403)	\$ (4,807,424)	\$ (5,052,823)	\$ (5,799,186)	\$ (5,940,647)	\$ (6,598,218)	\$ (5,514,348)	\$ (5,180,174)	\$ (5,901,694)	\$ (66,827,983)	1
7															2
m	Small Commercial 2	(1.394.884)	(1,337,172)	(1,320,188)	(1,280,755)	(1,309,050)	(1,372,925)	(1,501,513)	(1,489,454)	(1,608,395)	(1,432,499)	(1,346,386)	(1,360,217)	(16,753,438)	۴.
															4
5	Medium-Large Commercial 3	(7,020,585)	(6,803,762)	(6,707,746)	(6,748,655)	(6,998,520)	(7,271,806)	(7,827,464)	(7,667,548)	(8,277,063)	(7,470,473)	(7,218,072)	(6,978,058)	(86,989,752)	5
9															9
,	Agriculture (PA and TOU-PA) 4	(39,848)	(40,324)	(40,693)	(49,009)	(59,391)	(72,130)	(968'08)	(79,699)	(85,002)	(70,973)	(58,507)	(47,040)	(723,512)	7
∞															∞
6	Agriculture (PA-T-1) 5	(125,483)	(124,748)	(124,505)	(141,808)	(171,323)	(198,242)	(219,419)	(210,855)	(221,462)	(190,192)	(163,584)	(138,518)	(2,030,139)	9
10															10
Ξ	Street Lighting 6	(68,716)	(65,264)	(65,204)	(63,643)	(63,997)	(66,403)	(67,305)	(64,032)	(67,325)	(64,634)	(65,628)	(68,093)	(790,244)	11
12															12
13	GRAND TOTAL	\$ (14,978,069)	\$ (14,978,069) \$ (13,911,362) \$ (13,564,757) \$ (13,142,273)	\$ (13,564,757)	\$ (13,142,273)	\$ (13,409,705)	\$ (14,034,329)	\$ (15,495,783)	\$ (15,452,235)	\$ (15,452,235) \$ (16,857,465) \$ (14,743,119)		\$ (14,032,351)	\$ (14,493,620)	\$ (174,115,068)	13
	Notes:														
-	See pages 3 of 4 and 4 of 4 for detailed calculation of Residential Customer revenues that reflect that	stailed calculation	of Residential Cus	stomer revenues t		changed rates.									
7	See pages 3 of 4 and 4 of 4 for detailed calculation of Small Commercial Customer revenues that reflect that changed rates	stailed calculation	of Small Commen	cial Customer rev	enues that reflec	t that changed rat	es.							·	
	See pages 3 of 4 and 4 of 4 for detailed calculation of Medium and Large Commercial Customer revenues that reflect that changed rates.	stailed calculation	of Medium and La	arge Commercial	Customer reveni	ues that reflect tha	it changed rates.								
7	See pages 3 of 4 and 4 of 4 for detailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect that changed rates.	stailed calculation	of Agriculture (PA	A and TOU-PA)	Sustomer revenue	es that reflect that	changed rates.								
v	See pages 3 of 4 and 4 of 4 for detailed calculation of Agriculture (PA-T-1) Customer revenues that reflect that changed rates	stailed calculation	of Agriculture (PA	A-T-1) Customer	revenues that ref	lect that changed	rates.								
9	See pages 3 of 4 and 4 of 4 for detailed calculation of Street Lighting Customer revenues that reflect that changed rates.	stailed calculation	of Street Lighting	Customer revenu	les that reflect th	at changed rates.									

	E		SAN DIE	SAN DIEGO GAS AND ELECTRIC COMPANY	ECTRIC COMPA	NY S G G			
	1 ran	ransmission Access Cr For the Rate Eff	ission Access Charge Baianoing Account Adjustment (1ACBAA) Revenue Data 10 Refrect Chang. For the Rate Effective Period Twelve Months Ending January 1, 2016 through December 31, 2016	count Adjustment ve Months Ending	(1ACBAA) Reve	through Decembe	ess Charge Balanong Account Aclustment (1 ACBAA) Kevenue Data 10 Ketlect Changed Kates ate Effective Period Twelve Months Ending January 1, 2016 through December 31, 2016		
								,	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	
-		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Reference	-
No.	Customer Classes	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)		Z S
									L
1 0	Residential Customers	727,419,849	636,792,165	609,933,415	558,437,152	552,577,446	580,784,274	Work Paper No. 5; Page 5.2; Line 23	- ,
1 10 2	Small Commercial	160,331,520	153,697,926	151,745,769	147,213,246	150,465,496	157,807,522	Work Paper No. 5; Page 5.2; Line 24	4 m -
4 %	Medium-Large Commercial	806,963,765	782,041,552	771,005,238	775,707,508	804,427,595	835,839,811	Work Paper No. 5; Page 5.2; Line 25	4 W
9 1	A minimum (DA man TOTT DA)	ACT 005 A	4 634 000	4 677 203	5 633 100	702 700 7	0.700.0	Winds Branch S. C. Donn C 9. I in 92	9 1
~ &	Agriculture (FA and 100-FA)	4,000,174	4,034,303	4,07,700	2,055,139	0,620,500	6,430,109	Work raper INO. 3; rage 3.2; Line 20	\ <u>\</u>
6 2	Agriculture (PA-T-1)	14,423,292	14,338,852	14,310,957	16,299,756	19,692,252	22,786,463	Work Paper No. 5; Page 5.2; Line 27	0 5
2 1	Street Lighting	7.898.431	7.501.561	7.494.706	7.315.289	7.355.977	7.632.508	Work Paper No. 5: Page 5.2: Line 28	3 =
12	00								17
13	TOTAL	1,721,617,031	1,599,006,965	1,559,167,468	1,510,606,150	1,541,345,272	1,613,141,347	Sum Lines 1 - 11	13
14									‡ \
16									2 2
17		\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)		12
18									18
20	Residential Customers	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK-BL; Page 1; Line 19	2 19
	Small Commercial	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK-BL, Page 1, Line 19	21
3 22	,	\$	e						22 5
3 4	Medimir-Large Commercial	(0.008/0)	(0.000/0)	(0,000,0)	(0.008/0)	(0.00%) &	(0.008/0)	Statement BN-BL, rage 1; Line 19	3 4
25	Agriculture (PA and TOU-PA)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK-BL; Page 1; Line 19	25
26	A oricin[ture (PA_T_1)	(00 00 3)	(02800 0)	(0.00870)	(0.00870)	(02800 0) \$	(00000)	Statement BK_BI · Page 1. Line 10	3 28
28	(+ + + + + +) ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~					•	•	Carcinotte Div-DL, 1 age 1, Line 17	28
30	Street Lighting	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	Statement BK-BL; Page 1; Line 19	52
2 2									3 2
32		Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates		32
33			·			1			33
35	Residential Customers	\$ (6,328,553)	\$ (5,540,092)	\$ (5,306,421)	\$ (4,858,403)	\$ (4,807,424)	\$ (5,052,823)	Line 1 x Line 19	35
36	Small Commercial	\$ (1,394,884)	\$ (1,337,172)	\$ (1,320,188)	\$ (1,280,755)	\$ (1,309,050)	\$ (1,372,925)	Line 3 x Line 21	36
25.	Medium-I area Commercial	(7 020 485)	(6803 762)	(347 707 3)	(5 748 655)	(065 800 9)	308 1222	Tine 5 vI ine 23	37
39	moranino og marinamari		•		•	2	→	בב שווים איני שווים	39
40	Agriculture (PA and TOU-PA)	\$ (39,848)	\$ (40,324)	\$ (40,693)	\$ (49,009)	\$ (59,391)	\$ (72,130)	Line 7 x Line 25	4 5
42	Agriculture (PA-T-1)	\$ (125,483)	\$ (124,748)	\$ (124,505)	\$ (141,808)	\$ (171,323)	\$ (198,242)	Line 9 x Line 27	42
43			•				,		43
44	Street Lighting	\$ (68,716)	\$ (65,264)	\$ (65,204)	\$ (63,643)	\$ (63,997)	\$ (66,403)	Line 11 x Line 29	4 4
46	TOTAL	\$ (14,978,069) \$	\$ (13,911,362) \$		(13,564,757) \$ (13,142,273)	\$ (13,409,705) \$	\$ (14,034,329)	Sum Lines 34 through 44	4
_									L

					Statement BG					
			5	SAN DIEGO GAS	SAN DIEGO GAS AND ELECTRIC COMPANY	COMPANY	, , , , , , , , , , , , , , , , , , ,			
		I ransmission For the	1 ransmission Access Charge balancing Account Adjustment (1 ACEAA) Revenue Data 10 Keriect Charged Rates For the Rate Effective Period Twelve Months Ending January 1, 2016 through December 31, 2016	lancing Account A eriod Twelve Mon	djustment (1ACB)	y 1, 2016 through	rige balancing Account Adjustment (1 ACBAA) Revenue Data 10 Refrect Change ctive Period Twelve Months Ending January 1, 2016 through December 31, 2016	ged Kates 6		
		(H)	(I)	Œ	(K)	(L)	(<u>M</u>)	Z	(0)	
		Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference	1
Line	Sesse Dramotar	Energy (kWh)	Fnerov (kWh)	Energy (kWh)	Eneroy (kWh)	Eneroy (kWh)	Energy (kWh)	Energy (kWh)		Z.
	COCCUTATION CONTRACTOR OF THE	(11111)	The second second	(1111)	(2000)	(mus) (9:000	(m) (G	6		
-	Residential Customers	666,573,134	682,833,044	758,415,886	633,833,086	595,422,269	678,355,670	7,681,377,391	Work Paper No. 5; Page 5.2; Line 23	-
3 8	Small Commercial	172,587,689	171,201,558	184,872,950	164,655,053	154,757,034	156,346,731	1,925,682,495	Work Paper No. 5; Page 5.2; Line 24	3 2
4									•	4
20	Medium-Large Commercial	899,708,532	881,327,324	951,386,527	858,675,091	829,663,454	802,075,681	9,998,822,077	Work Paper No. 5; Page 5.2; Line 25	2
0 1	Agriculture (PA and TOU-PA)	9,298,378	9,160,827	9,770,347	8,157,777	6,724,985	5,406,853	83,162,105	Work Paper No. 5; Page 5.2; Line 26	7 0
∞ (\$ E 7 \$	000 10	20070010	076 378 30	21 001 000	10 000 01	20010031	020 070 000	11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	∞
ν 5	Agriculture (PA-1-1)	25,220,539	24,236,237	25,455,368	21,801,203	18,802,814	12,921,635	75,349,570	Work Paper INO. 3; Page 5.2; Line 2/	2 0
=	Street Lighting	7,736,164	7,360,012	7,738,471	7,429,144	7,543,424	7,826,742	90,832,430	Work Paper No. 5; Page 5.2; Line 28	Ξ
13 12	TOTAL	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	Sum Lines 1 - 11	13
14										14
15										15
9 !		6//1-11/h-	V.71177.0	\$171-33 FL.	\$ //L-X1/L-X	\$ //LXI/LY	\$ //LXX7L.\			16
_ ×		\$∕(KW⊓)	ə/(KWII)	4/(KWn)	\$/(K W II)	⊅/(KWII)	4/(KWII)			<u>~</u>
19	Residential Customers	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)		Statement BK-BL; Page 1; Line 19	19
20		ŀ								20
21	Small Commercial	\$ (0.00870)	(0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)		Statement BK-BL; Page 1; Line 19	21
23 23	Medium-Large Commercial	\$ (0.00870)	(0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)		Statement BK-BL; Page 1; Line 19	23
24	(to) (to)			6	€	•			טיין דין יש זע אַנעי	24
2 2	Agriculture (PA and 100-PA)	(0.008/0)	(0.008/0)	(0.008/0)	(0.008/0)	(0.008/0)	(0.008/0)		Statement DN-DL; Fage 1; Line 19	2,5
27	Agriculture (PA-T-1)	\$ (0.00870)	(0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)	\$ (0.00870)		Statement BK-BL; Page 1; Line 19	27
28		(0) (0) (0) (0)	E	(00000)	000000	(00000)	(000000)		10 - 11 - 10 Ad Ad	78
308	Surect Ligning	(0,000,0)	9	9	9	9	9		Statement Div-DL, 1 age 1, Line 17	30,00
31										31
32		Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates	Revenues @ Changed Rates		32
33		1								33
35	Residential Customers	\$ (5,799,186)	(5,940,647)	\$ (6,598,218)	\$ (5,514,348)	\$ (5,180,174)	\$ (5,901,694)	\$ (66,827,983)	Line 1 x Line 19	35
36	Small Commercial	\$ (1,501,513)	(1,489,454)	\$ (1,608,395)	\$ (1,432,499)	\$ (1,346,386)	\$ (1,360,217)	\$ (16,753,438)	Line 3 x Line 21	36
37		- }	į	•	,	ę	E			37
36	Medium-Large Commercial	(1,827,464)	(7,667,548)	(8,277,063)	\$ (7,470,473)	\$ (7,218,072)	(850,878,038)	\$ (80,989,722)	Line 5 x Line 23	8 E
40	Agriculture (PA and TOU-PA)	\$ (80,896)	(669,62)	\$ (85,002)	\$ (70,973)	\$ (58,507)	\$ (47,040)	\$ (723,512)	Line 7 x Line 25	9
41		ł		•		ŀ	•			41
42	Agriculture (PA-T-1)	\$ (219,419)	(210,855)	\$ (221,462)	\$ (190,192)	\$ (163,584)	\$ (138,518)	\$ (2,030,139)	Line 9 x Line 27	43
4	Street Lighting	\$ (67,305)	(64,032)	\$ (67,325)	\$ (64,634)	\$ (65,628)	\$ (68,093)	\$ (790,244)	Line 11 x Line 29	4
45							6			45
46	TOTAL	\$ (15,495,783)	(15,452,235)	\$ (16,857,465)	\$ (14,743,119) \$	(14,032,351)	(14,493,620)	\$ (174,115,068)	Sum Lines 34 through 44	46

Attachment D – (Cont'd)

C. Statement BH - Revenue Data to Reflect Present Rates

L							Statement BH	:							
						SAN DIEGO GA	SAN DIEGO GAS AND ELECTRIC COMPANY	IC COMPANY							
				Transmission Access Charge	ccess Charge Ba	lancing Account	Balancing Account Adjustment (TACBAA) Revenue Data To Reflect Present Rates	BAA) Revenue	Data To Reflect	Present Rates					
				For the 1	Rate Effective Pe	riod - Twelve Mo	For the Rate Effective Period - Twelve Months Ending January 1, 2016 through December 31, 2016	ary 1, 2016 thro	igh December 31	, 2016	-	-	.	}	
									•						
		(A)	(B)	(0)	(D)	(E)	(F)	(G)	(H)	(I)	6	(K)	(T)	(V)	
Line	Customer Class	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	Line
ģ															S
Н	Residential Customers 1	\$ (9,885,636) \$	(8,654,006)	\$ (8,288,995)	\$ (7,589,161)	\$ (7,509,527)	\$ (7,892,858)	\$ (9,058,729)	\$ (9,279,701)	(9,279,701) \$ (10,306,872)	\$ (8,613,792)	(8,091,789)	\$ (9,218,854)	\$ (104,389,920)	П
7															2
m	Small Commercial 2	(2,178,905)	(2,088,755)	(2,062,225)	(2,000,628)	(2,044,826)	(2,144,604)	(2,345,467)	(2,326,629)	(2,512,423)	(2,237,662)	(2,103,148)	(2,124,752)	(26,170,024)	т
4															4
5	Medium-Large Commercial 3	(10,966,638)	(10,627,945)	(10,477,961)	(10,541,865)	(10,932,171)	(11,359,063)	(12,227,039)	(11,977,238)	(12,929,343)	(11,669,394)	(11,275,126)	(10,900,208)	(135,883,991)	5
9															9
7	Agriculture (PA and TOU-PA) 4	(62,245)	(62,988)	(63,566)	(76,555)	(92,772)	(112,672)	(126,365)	(124,496)	(132,779)	(110,864)	(91,393)	(73,479)	(1,130,174)	7
∞ ,															8
6	Agriculture (PA-T-1) ⁵	(196,013)	(194,865)	(194,486)	(221,514)	(267,618)	(309,668)	(342,747)	(329,370)	(345,938)	(297,094)	(255,530)	(216,375)	(3,171,218)	6
2															10
11	Street Lighting 6	(107,340)	(101,946)	(101,853)	(99,415)	(896,66)	(103,726)	(105,134)	(100,023)	(105,166)	(100,962)	(102,515)	(106,365)	(1,234,413)	11
12															12
13	GRAND TOTAL	\$ (23,396,777)	\$ (21,730,505)	\$ (23,396,777) \$ (21,730,505) \$ (21,189,086) \$ (20,529,138)	\$ (20,529,138)	\$ (20,946,882)	\$ (20,946,882) \$ (21,922,591)	\$ (24,205,481) \$ (24,137,457)		\$ (26,332,521) \$ (23,029,768)		\$ (21,919,501)	\$ (21,919,501) \$ (22,640,033) \$ (271,979,740)	\$ (271,979,740)	13
:															
	Notes:														
-	See pages 2 of 3 and 3 of 3 for detailed calculation of Residential Customer revenues that reflect that	tailed calculation	of Residential Cur	stomer revenues t		changed rates.									
71	See pages 2 of 3 and 3 of 3 for detailed calculation of Small Commercial Customer revenues that reflect that changed rates.	tailed calculation	of Small Commer	cial Customer rev	enues that reflect	that changed rat	es.								
e	See pages 2 of 3 and 3 of 3 for detailed calculation of Medium and Large Commercial Customer revenues that reflect that changed rates	tailed calculation	of Medium and L	arge Commercial	Customer revenu	es that reflect tha	it changed rates.				i				
4	See pages 2 of 3 and 3 of 3 for detailed calculation of Agriculture (PA and TOU-PA) Customer revenues that reflect that changed rates	tailed calculation	of Agriculture (PA	A and TOU-PA)	ustomer revenue	s that reflect that	changed rates.								
w	See pages 2 of 3 and 3 of 3 for detailed calculation of Agriculture (PA-T-1) Customer revenues that reflect that changed rates	tailed calculation	of Agriculture (PA	A-T-1) Customer	evenues that refl	ect that changed	rates.								
૭		tailed calculation	of Street Lighting	Customer revenu	es that reflect tha	t changed rates.									

For the Rate Effective Per For the Rate For th					Statement RH	RH				
Transmission Teartine Customer Classes Residential Customers Agriculture (PA and TOU-PA) Street Lighting Agriculture (PA-T-1) Street Lighting				SAN DIEG	SAN DIEGO GAS AND ELECTRIC COMPANY	SCTRIC COMPA	NY E			\prod
(A) (A) Feb Jan-16 Feb Jan-16 Section Customer Classes Energy (kWh) Energy Residential Customercial 160,331,320 153; Medium-Large Commercial 806,963,765 782, Agriculture (PA-T-1) 14,423,292 14, Agriculture (PA-T-1) 14,423,292 14, Residential Customercial \$ (0.01359) \$ (Medium-Large Commercial \$ (0.01359) \$ (Medium-Large Commercial \$ (0.01359) \$ (Agriculture (PA-T-1) \$ (0.01359) \$ (Street Lighting \$ (0.01359) \$ (Revenues @ Revenues @ Revenues B (Medium-Large Commercial \$ (0.01359) \$ (Agriculture (PA-T-1) \$ (0.01359) \$ (Agriculture (PA-T-1		Tra		narge Balancing Acctive Period - Twel	count Adjustment to Months Ending	g January 1, 2016	enue Data To Ret through Decembe	lect Present Rates r 31, 2016		
(A) (Feb										
Jan-16 Feb			(A)	(B)	(C)	(D)	(E)	(F)	(F)	
Residential Customers			Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Reference	;
Residential Customers 727,419,849 636,		Customer Classes	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)		S S
Nesidential Customercial			(m.m.) (8,000)	() (G	(2)	(6)	(i)	Ó		
Medium-Large Commercial 806,9637,655 782,		Residential Customers	727,419,849	636,792,165	609,933,415	558,437,152	552,577,446	580,784,274	Work Paper No. 5; Page 5.2; Line 23	Н
Medium-Large Commercial 806,963,765 782,		Suna Manual	160 331 520	153 607 076	151 745 760	147 213 246	150 465 496	157 807 522	Work Paper No. 5: Page 5.7: Tine 24	7 6
Medium-Large Commercial 806,963,765 782,		Small Collinercial	100,155,150	026,160,001	101,047,101	042,012,141	004.004.001	220,100,101	WOIN 1 april 170: 3, 1 age 5:2, Line 27	4
Agriculture (PA and TOU-PA) 4,580,174 4, Agriculture (PA-T-1) 14,422,292 14, Street Lighting 7,898,431 7, TOTAL 1,721,617,031 1,599, Residential Customers 8 (0.01359) \$ (Medium-Large Commercial	806,963,765	782,041,552	771,005,238	775,707,508	804,427,595	835,839,811	Work Paper No. 5; Page 5.2; Line 25	s,
Agriculture (TA and TOU-PA) Agriculture (PA-T-1) TOTAL Sesidential Customers Secondarial Agriculture (PA and TOU-PA) Street Lighting Secondarial Secondarial Customers Secondarial Secondarial Customers Secondarial Revenues @ Revenues & Revenues & Revenues & Revenues & Revenues & R		A TOTT BANK COMPANY	1 500 171	7 634 000	1 677 383	\$ 633 100	905 908 9	97 000 8	Mork Paner No. 5: Page 5 2: 1 ine 36	٦٥
Agriculture (PA-T-1)		Agriculture (FA and 100-FA)	4,380,1/4	4,054,505	4,07,700	7,025,199	0,070,000	601,062,0	Work rapeling, J, rage J.2, Line 20	~ ∞
TOTAL		Agriculture (PA-T-1)	14,423,292	14,338,852	14,310,957	16,299,756	19,692,252	22,786,463	Work Paper No. 5; Page 5.2; Line 27	0 5
TOTAL		Street Lighting	7.898.431	7.501.561	7,494,706	7.315.289	7,355,977	7,632,508	Work Paper No. 5; Page 5.2; Line 28	3 =
TOTAL		3							7 7 7	12
Small Commercial S/(kWh) S/(kml)		TOTAL	1,721,617,031	1,599,006,965	1,559,167,468	1,510,606,150	1,541,345,272	1,613,141,347	Sum Lines I - 11	J 4
Residential Customers S/(kWh) S/(kWh)										15
Residential Customers	-				1					16
Residential Customers			\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)		17
Small Commercial \$ (0.01359) \$ (0.0135		4						•		81 9
Small Commercial \$ (0.01359) \$ (0.0135		Kesidential Customers		(0.01359)	(6001010)	(9001030)	(90,010,0)	(9.01339)	FERC Docket No. FR015-679-000	2 2
Medium-Large Commercial		Small Commercial		\$ (0.01359)	\$ (0.01359)	\$ (0,01359)	\$ (0.01359)	\$ (0.01359)	Statement BK&BL Page 1; Line 15	21
Medium-Large Commercial									FERC Docket No. ER015-679-000	22
Agriculture (PA and TOU-PA) \$ (0.01359) \$ (Agriculture (PA-T-1) \$ (0.01359) \$ (Street Lighting \$ (0.01359) \$ (Revenues @ Reven		Medium-Large Commercial			\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	Statement BK&BL Page 1; Line 15	2 3
Agriculture (PA-T-1) \$ (0.01359) \$ (Street Lighting \$ (0.01359) \$ (Revenues @ Revenues @ Revenues @ Present Rates Present Rates Present Residential Customercial (2,178,905) (2, 245) (10, 266,638) (10, 245) (10, 2	1	Acriculture (PA and TOIL.PA)		_	(0 01359)	(0.01359)	\$ (0.01359)	\$ (0.01359)	Statement BK & BL: Page 1: Line 15	25
Agriculture (PA-T-1)		(TITOO) TITOO (TITO)		,			•	•	FERC Docket No. ER015-679-000	26
Street Lighting \$ (0.01359) \$ (0.01359		Agriculture (PA-T-1)			\$ (0.01359) \$	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	Statement BK&BL Page 1; Line 15	27
Street Lighting \$ (0.01359) \$ (0.01359		1		ŧ		4	00000	6	FERC Docket No. ER015-679-000	8 8
Revenues @ Reversed Rates Present Rates		Street Lignting		A	(ACC10:0)	(60010.0)	(6.010.0)	(6001000)	FERC Docket No. ER015-679-000	3 08
Revenues @ Revenues										31
Residential Customers			Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates		32
Small Commercial	j					- (33
Small Commercial (2,178,905) (2, Medium-Large Commercial (10,966,638) (10, Agriculture (PA and TOU-PA) (62,245) Agriculture (PA-T-1) (196,013) (107,340) (107,340)		Residential Customers	<u>ව</u>	e-9	\$ (8,288,995)	\$ (7,589,161)	\$ (7,509,527)	(7,892,858)	Line 1 x Line 19	35
Medium-Large Commercial (10,966,638) (10, Agriculture (PA and TOU-PA) (62,245) Agriculture (PA-T-1) (196,013) (196,013) Street Lighting (107,340) (107,340) (107,340) (107,340) (107,340)		Small Commercial	(2,178,905)	(2,088,755)	(2,062,225)	(2,000,628)	(2,044,826)	(2,144,604)	Line 3 x Line 21	36
Medium-Large Commercial (10,966,638) (10, Agriculture (PA and TOU-PA) (62,245) Agriculture (PA-T-1) (196,013) (1										37
Agriculture (PA and TOU-PA) (62,245) Agriculture (PA-T-1) (196,013) (Street Lighting (107,340) (Medium-Large Commercial	(10,966,638)	(10,627,945)	(10,477,961)	(10,541,865)	(10,932,171)	(11,359,063)	Line 5 x Line 23	30 38
Agriculture (PA-T-1) (196,013) Street Lighting (107,340)		Agriculture (PA and TOU-PA)	(62,245)	(62,988)	(63,566)	(76,555)	(92,772)	(112,672)	Line 5 x Line 25	8 :
Street Lighting (107,340)		Aminitary (DA.T.1)	(196 013)		(194 486)	(221 514)	(819/29/	(309 668)	1 ine 5 x 1 ine 27	47
Street Lighting (107,340)	-	Agilomimo (1.5-1-1)	(510,011)		(101,101)	(11,0,11)	(20,10-)			43
		Street Lighting	(107,340)	(101,946)	(101,853)	(99,415)	(896'66)	(103,726)	Line 7 x Line 29	44
TOTAL \$ (23,396,777) \$		TOTAL	\$ (23,396,777)	\$ (21,730,505)	\$ (21,189,086)	\$ (20,529,138)	\$ (20,946,882) \$	(21,922,591)	Sum Lines 34 through 44	4 4
				1	ı					

				SAS OSSIGNAS	SAN DECO GAS AND ELECTRIC COMPANY	COMPANIV				
		Transmission Access Cl	Access Charge Ba	SAIN DIEGO GAS	SAN DIEGO GAS AND ELECTRIC COMPANY harge Balancing Account Adjustment (TACBAA) Revenue Data To Reflect Present Rates	AA) Revenue Dat	a To Reflect Prese	ent Rates		
		For the	Rate Effective Pe	riod - Twelve Mor	For the Rate Effective Period - Twelve Months Ending January 1, 2016 through December 31, 2016	y 1, 2016 through	December 31, 20	91		
		(9)	E	1	6	8	(T)	8	(X)	
		Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference	
No.	Customer Classes	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)	Energy (kWh)		o.
	Residential Customers	666,573,134	682,833,044	758,415,886	633,833,086	595,422,269	678,355,670	7,681,377,391	Work Paper No. 5; Page 5.2; Line 23	-
71 m	Small Commercial	172,587,689	171,201,558	184,872,950	164,655,053	154,757,034	156,346,731	1,925,682,495	Work Paper No. 5; Page 5.2; Line 24	m 2
4									5 S	4
2	Medium-Large Commercial	899,708,532	881,327,324	951,386,527	858,675,091	829,663,454	802,075,681	9,998,822,077	Work Paper No. 5; Page 5.2; Line 25	s s
0	Agriculture (PA and TOU-PA)	9,298,378	9,160,827	9,770,347	8,157,777	6,724,985	5,406,853	83,162,105	Work Paper No. 5; Page 5.2; Line 26	×
0 0 ;	Agriculture (PA-T-1)	25,220,539	24,236,237	25,455,368	21,861,203	18,802,814	15,921,635	233,349,370	Work Paper No. 5; Page 5.2; Line 27	6
2 11	Street Lighting	7,736,164	7,360,012	7,738,471	7,429,144	7,543,424	7,826,742	90,832,430	Work Paper No. 5; Page 5.2; Line 28	2 =
13	TOTAL	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	Sum Lines 1 - 11	13
14										14
15										15
16		\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)	\$/(kWh)			17
18										18
19	Residential Customers	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)		Statement BK&BL Page 1; Line 15 FFP Chocket No. FR015-670-000	2) 19
3 5	Small Commercial	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	(0.01359)	\$ (0.01359)		Statement RK&BI: Page 1: Line 15	212
22	Olliali Colliniciolal		9	÷	•				FERC Docket No. ER015-679-000	22
23	Medium-Large Commercial	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)		Statement BK&BL Page 1; Line 15	22 23
25	Agriculture (PA and TOU-PA)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)		Statement BK&BL Page 1; Line 15	25
26									FERC Docket No. ER015-679-000	56
27	Agriculture (PA-T-1)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)		Statement BK&BL Page 1; Line 15	27
28	Street Lighting	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)	\$ (0.01359)		Statement BK&BL Page 1; Line 15	29 62
30									FERC Docket No. ER015-679-000	30
31		ţ	((t (((,		31
32		Revenues @ Present Rates	Kevenues @ Present Rates	Kevenues @ Present Rates	Kevenues @ Present Rates	Revenues @ Present Rates	Revenues @ Present Rates	Kevenues (@ Present Rates		32
34	Residential Customers	\$ (9,058,729)	\$ (9,279,701)	\$ (10,306,872)	\$ (8,613,792)	\$ (8,091,789)	\$ (9,218,854)	\$ (104,389,920)	Line 1 x Line 19	34
35										35
36	Small Commercial	(2,345,467)	(2,326,629)	(2,512,423)	(2,237,662)	(2,103,148)	(2,124,752)	(26,170,024)	Line 3 x Line 21	36
38	Medium-Large Commercial	(12,227,039)	(11,977,238)	(12,929,343)	(11,669,394)	(11,275,126)	(10,900,208)	(135,883,991)	Line 5 x Line 23	38
39	Aminimus (BA and TOLI BA)	(176.365)		(132,770)	(110 864)	(01 303)	(73 470)	(1 130 174)	2C ani I v 2 ani I	£ 8
4	Agriculture (1.0 and 100-1.6)	(20,021)			(100,011)	(0,0,17)	((1,4,6))	(1,1,001,1)	CT OWN C OWN	4
42	Agriculture (PA-T-1)	(342,747)	(329,370)	(345,938)	(297,094)	(255,530)	(216,375)	(3,171,218)	Line 5 x Line 27	42
43	Street Lighting	(105 134)	(100.023)	(105 166)	(100.962)	(102.515)	(106.365)	(1.234.413)	Line 7 x Line 29	3 4
45	0			1						45
46	TOTAL	\$ (24,205,481)	\$ (24,137,457)	\$ (26,332,521)	\$ (23,029,768)	\$ (21,919,501)	\$ (22,640,033)	\$ (271,979,740)	Sum Lines 34 through 44	46
										$\left.\right $

Attachment – D (Cont'd)

D. Statement BK & Statement BL (Combined Statements)
Retail TACBAA Rate Calculation

	Statement BK & State	Statement BK & Statement BL (Combined Statements)	atements)	
	SAN DIEGO GAS	SAN DIEGO GAS & ELECTRIC COMPANY	ANY	
	2016 - T	2016 - TACBAA Rate Filing		
	Transmission Access Charge Balancing Account Adjustment (TACBAA) Rate Calculation	Account Adjustment (7	ACBAA) Rate Calculation	
		(a)		
Line		2016 - Forecast	i	Line
No.	Components	TACBAA	Reference	No.
T	Recorded TACBAA Balance @ 10/31/15	\$ 69,525,863	Workpaper No. 1; Pages 1.4; Line 28	1
2				2
3	TACBAA Forecast (Nov and Dec 2015)	(1,695,863)	Workpaper No. 2; Page 2.1; Total Col; Line 31	n
4				4
5	Br: = TACBAA Balance @ 12/31/15	67,830,000	Line 1 + Line 3	5
9				9
7	Forecasted Net TACBAA Costs	(237,627,654)	Workpaper No. 3; Page 3.1; Col. 6; Line 3	7
∞				«
6	Total TACBAA Before FF&U	(169,797,654)	Line 5 + Line 7	6
10				10
11	FF: Franchise Fees @ 1.0310 %	(1,750,614)	Line 9 x 1.0310%	11
12				12
13	U: Uncollectibles @ 0.1740%	(295,448)	Line 9 x 0.1740%	13
14				14
15	Total TACBAA	(171,843,716)	Sum Lines {9 thru 13}	15
16				16
17	S: 12 Months kWh Ending October 31, 2015	19,754,864,687	Statement BD; Page 1 of 2; Column C; Line 15	17
18				18
19	TACBAA Rate (\$/kWh)	\$ (0.00870)	Line 15 / Line 17	19

Attachment – D (Cont'd)

E. Work Papers Applicable to TACBAA Retail Rate Calculation

ER16-____-000

Work Paper – 1 Monthly TACBAA Detailed Activities

San Diego Gas & Electric Company TACBAA Monthly Activities Applicable For the 12-Month Period Ending October 31, 2015 2016 TACBAA Rate Filing

		1	NT 1	_	D1	_	Υ		P-1
Line	<u> </u>		November		December		January		February
No.	Description	_	2014	╙	2014	<u> </u>	2015		2015
			## 404 006	_	64 702 040	_	# 4 # 2 # 0 Q C	_	05.510.554
1	Beginning Balance (Overcollection)/Undercollection	\$	55,421,826	\$	64,593,040	\$	74,735,936	\$	85,719,554
2									
3	TACBAA Refund	١.				١.			
4	Kwh		,583,002,482		,585,788,042		,665,910,282		,547,755,534
5	TACBAA Rate	\$	(0.01073)		(0.01073)		(0.01216)		(0.01359)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$	(16,985,617)		(17,015,506)		(20,257,469)		(21,033,998)
7	Franchise Fees & Uncollectible Expense Adjustment	L	(202,240)		(202,596)		(241,196)		(250,442)
8	Total TACBAA Refund	\$	(16,783,377)	\$	(16,812,910)	\$	(20,016,273)	\$	(20,783,556)
9									
	Monthly ISO Charge Types (Revenues=Cr.)/Expenses=Dr.:								
11	CT 372 - HVAC Due ISO - Expense	\$	13,773,893	\$	11,834,932	\$	12,353,103	\$	13,381,417
12				Ì					
13	CT 374 - HVAC Due PTO - Revenues		(21,547,479)		(18,698,890)		(21,610,083)		(25,152,298)
14									
15	Total Monthly Related (Revenues)/Expenses:	\$	(7,773,586)	\$	(6,863,958)	\$	(9,256,979)	\$	(11,770,881)
16									
17									
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$	9,009,791	\$	9,948,952	\$	10,759,294	\$	9,012,675
19									
20	Interest Expense Calculations:								
21	Beginning Balance for Interest Calculation	\$	44,920,366	\$	44,920,366	\$	74,735,936	\$	74,735,936
22	Monthly Activity Included in Interest Calculation Basis		14,866,073		24,345,444		5,379,647		15,265,631
23	Basis for Interest Expense Calculation		59,786,439		69,265,810		80,115,583		90,001,567
24	Monthly Interest Rate		0.27000%		0.28000%		0.28000%		0.25000%
25	Interest Expense	\$	161,423	\$	193,944	\$	224,324	\$	225,004
26	Other Adjustments:			1					
27									
	Ending Balance (Overcollection)/Undercollection	\$	64,593,040	\$	74,735,936	\$	85,719,554	\$	94,957,233
29				Т					
30									
	Franchise Fees & Uncollectible Adjustment:								
	Franchise Fees Expense Rate		1.0310%		1.0310%		1.0310%		1.0310%
	Uncollectible Expense Adjustment Rate		0.1740%		0.1740%		0.1740%		0.1740%
34	Combined FF&U Adjustment Rate		1.2050%		1.2050%		1.2050%		1.2050%
	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	s	(16,985,617)	\$	(17,015,506)	\$	(20,257,469)	\$	(21,033,998)
	Uncollectibles Included on Line 7 Above:	*	(10,500,017)	*	(17,010,000)	4	(*	(,,)
37	Total Refunds/Collections Including Uncollectible Expense	\$	(16,985,617)	\$	(17,015,506)	\$	(20,257,469)	\$	(21,033,998)
38	Adjustment Factor to Convert Line 34 Above Before Uncollectible	Ψ	1.012050	Ψ"	1.012050	Ψ	1.012050	Ψ	1.012050
39	Total Refunds/Collections Before Uncollectible Expense	\$	(16,783,377)	\$	(16,812,910)	\$	(20,016,273)	\$	(20,783,556)
40	Uncollectible Rate	Ψ	1.2050%	Ψ	1.2050%	Ψ	1.2050%	Ψ	1.2050%
40	Uncollectible Adjustment	\$	(202,240)	\$	(202,596)	\$	(241,196)	\$	(250,442)
L	Difference	\$	(202,240)	\$	(202,390)	\$	(271,170)	\$	(230,772)
42	Difference	Ψ	-	Ψ		Ψ	-	Ψ	

San Diego Gas & Electric Company TACBAA Monthly Activities Applicable For the 12-Month Period Ending October 31, 2015 2016 TACBAA Rate Filing

Line		Т	March	Г	April	Т	May	_	June
No.	Description	l	2015		2015	l	2015	ļ	2015
110.	Description	-	2013	├	2013	H	2013	┢╌	2013
1	Beginning Balance (Overcollection)/Undercollection	\$	94,957,233	\$	95,352,068	\$	80,743,929	\$	77,069,812
2	Deginning Delance (Overconcection) Onderconcection	Ψ	74,751,255	"	75,552,000	Ψ	00,743,727	, "	77,000,012
3	TACBAA Refund				•			ł	*
4	Kwh	1	,486,100,698	Ιı	,529,437,074	1	,501,100,754	l 1	,443,047,056
5	TACBAA Rate	\$	(0.01359)		(0.01359)	1	(0.01359)		(0.01359)
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$	(20,196,108)		(20,785,050)	\$	(20,399,959)	_	(19,611,009)
7	Franchise Fees & Uncollectible Expense Adjustment	"	(240,465)	Ψ	(247,478)	۱۳	(242,893)	"	(233,499)
8	Total TACBAA Refund	\$	(19,955,643)	\$	(20,537,572)	\$	(20,157,066)	8	(19,377,510)
9	TOWN THOUSEN THOUGHT	۳	(19,900,010)	۳	(20,001,072)	۳	(20,157,000)	-	(15,577,510)
10	Monthly ISO Charge Types (Revenues=Cr.)/Expenses=Dr.:	l							
11	CT 372 - HVAC Due ISO - Expense	\$	12,473,666	\$	17,307,776	\$	14,932,082	\$	15,672,988
12	S. 5/2 IIII Suc Iso Shpono	*	12,173,000	*	17,507,770	*	11,552,002	"	13,072,500
13	CT 374 - HVAC Due PTO - Revenues		(32,299,278)		(52,690,896)		(38,983,232)		(37,360,248)
14			(52,255,276)		(52,050,050)		(50,505,202)		(57,500,210)
15	Total Monthly Related (Revenues)/Expenses:	\$	(19,825,612)	\$	(35,383,120)	\$	(24,051,150)	\$	(21,687,260)
16	(广	(~>,===,=== <u>)</u>	 ~	(00,000,100)	 	(= 1,00 2,10 0)	 	(=1,00.,=00)
17								* .	
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$	130,031	\$	(14,845,548)	\$	(3,894,084)	\$	(2,309,750)
19	(,	۲Ť		Ť	(<u>j</u>	Ť	(-) /	Ť	(-, ,)
20	Interest Expense Calculations:								
21	Beginning Balance for Interest Calculation	\$	74,735,936	\$	95,352,068	\$	95,352,068	\$	95,352,068
22	Monthly Activity Included in Interest Calculation Basis		19,836,984		(7,422,774)		(16,792,590)		(19,894,507)
23	Basis for Interest Expense Calculation	_	94,572,920	_	87,929,294		78,559,478		75,457,561
24	Monthly Interest Rate		0.28000%		0.27000%		0.28000%		0.27000%
25	Interest Expense	\$	264,804	\$	237,409	\$	219,967	\$	203,735
26	Other Adjustments:				-				-
27	·								
28	Ending Balance (Overcollection)/Undercollection	\$	95,352,068	\$	80,743,929	\$	77,069,812	\$	74,963,797
29		_							
30					**-	_		_	
31	Franchise Fees & Uncollectible Adjustment:								
1	Franchise Fees Expense Rate		1.0310%		1.0310%		1.0310%		1.0310%
	Uncollectible Expense Adjustment Rate	l	0.1740%		0.1740%		0.1740%		0.1740%
34	Combined FF&U Adjustment Rate		1.2050%		1.2050%		1.2050%		1.2050%
1	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$	(20,196,108)	\$	(20,785,050)	\$	(20,399,959)	\$	(19,611,009)
	Uncollectibles Included on Line 7 Above:	-	, , ,				` , , ,		` , , ,
37	Total Refunds/Collections Including Uncollectible Expense	\$	(20,196,108)	\$	(20,785,050)	\$	(20,399,959)	\$	(19,611,009)
38	Adjustment Factor to Convert Line 34 Above Before Uncollectible		1.012050		1.012050		1.012050		1.012050
39	Total Refunds/Collections Before Uncollectible Expense	\$	(19,955,643)	\$	(20,537,572)	\$	(20,157,066)	\$	(19,377,510)
40	Uncollectible Rate		1.2050%		1.2050%		1.2050%		1.2050%
41	Uncollectible Adjustment	\$	(240,465)	\$	(247,478)	\$	(242,893)	\$	(233,499)
	Difference	\$	-	\$	- 1	\$	-	\$	-
						_			

San Diego Gas & Electric Company TACBAA Monthly Activities Applicable For the 12-Month Period Ending October 31, 2015 2016 TACBAA Rate Filing

Line		1	July	T	August	_	September		October
No.	Dogorintian		2015		~	ŀ	2015		2015
140.	Description	┢	2013	\vdash	2015	├		-	2013
1	 Beginning Balance (Overcollection)/Undercollection	\$	74,963,797	\$	75,601,827	\$	73,719,306	\$	71,093,122
2	Degining Datance (Overconection)/Onderconection	J.	14,903,797	1	/3,001,62/	🎝	73,719,300	1.0	/1,093,122
3	TACBAA Refund					ĺ			
4	Kwh	1	,746,688,223	١,	,779,921,852	Ι,	024 002 073	١,	051 229 010
5	TACBAA Rate	\ \s^1	,740,088,223 (0.01359)				(0.01250)	1	,951,228,818
6		\$	(23,737,493)		(0.01359) (24,189,138)		(0.01359) (26,295,072)		(0.01359) (26,517,200)
7	Total TRBAA Refund Including Franchise Fees & Uncollectibles Franchise Fees & Uncollectible Expense Adjustment	Ф	, ,			Φ	(313,083)		
8	Total TACBAA Refund	\$	(282,631)		(288,009) (23,901,129)	\$	(25,981,989)		(315,728) (26,201,472)
9	Total TACBAA Kelulu	Þ	(23,434,802)	4	(23,901,129)	Φ	(23,961,969)	I D	(20,201,472)
10	Monthly ISO Chance Tymes (Davienuse-Ch.)/Eyronese-Du.	l							
	Monthly ISO Charge Types (Revenues=Cr.)/Expenses=Dr.: CT 372 - HVAC Due ISO - Expense	_a	16 701 040	₀ -	18,609,279		20.020.000	ar.	20,050,482
11 12	C1 372 - HVAC Due 180 - Expense	\$	16,721,042	\$	18,009,279	\$	20,039,998	\$	20,030,462
13	CT 374 - HVAC Due PTO - Revenues		(39,748,371)		(44,601,098)		(48,842,275)		(48,015,803)
14	C1 3/4 - HVAC Due F10 - Revenues		(39,748,371)	l	(44,001,096)		(40,042,273)		(46,013,603)
15	Total Monthly Related (Revenues)/Expenses:	\$	(23,027,329)	\$	(25,991,819)	6	(28,802,277)	\$	(27,965,322)
16	Total Monthly Related (Revenues)/Expenses.	Φ	(23,021,329)	φ	(23,331,617)	1.0	(20,002,211)	φ	(21,703,322)
17									
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$	427,533	\$	(2,090,690)	\$	(2,820,288)	0	(1,763,850)
19	received any receivity (1100 of receivings, revenues, to Empenses)	۳		Ψ_	(2,000,000)	۳	(2,020,200)	1	(1,703,030)
20	Interest Expense Calculations:	l							
21	Beginning Balance for Interest Calculation	\$	74,963,797	\$	74,963,797	\$	74,963,797	8	71,093,122
22	Monthly Activity Included in Interest Calculation Basis	*	213,767	*	(617,812)		(3,073,301)		(881,925)
23	Basis for Interest Expense Calculation	┢	75,177,564		74,345,985	\vdash	71,890,496	-	70,211,197
24	Monthly Interest Rate		0.28000%		0.28000%		0.27000%		0.28000%
25	Interest Expense	\$	210,497	\$	208,169	\$	194,104	\$	196,591
26	Other Adjustments:		,	'	,		ĺ		ĺ
27									
28	Ending Balance (Overcollection)/Undercollection	\$	75,601,827	\$	73,719,306	\$	71,093,122	\$	69,525,863
29									
30									
	Franchise Fees & Uncollectible Adjustment:	l							
	Franchise Fees Expense Rate	ł	1.0310%		1.0310%		1.0310%		1.0310%
	Uncollectible Expense Adjustment Rate		0.1740%		0.1740%		0.1740%		0.1740%
34	Combined FF&U Adjustment Rate		1.2050%		1.2050%		1.2050%		1.2050%
	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	\$	(23,737,493)	\$	(24,189,138)	\$	(26,295,072)	\$	(26,517,200)
	Uncollectibles Included on Line 7 Above:						,		
37	Total Refunds/Collections Including Uncollectible Expense	\$	(23,737,493)	\$	(24,189,138)	\$	(26,295,072)	\$	(26,517,200)
38	Adjustment Factor to Convert Line 34 Above Before Uncollectible		1.012050		1.012050		1.012050		1.012050
39	Total Refunds/Collections Before Uncollectible Expense	\$	(23,454,862)	\$	(23,901,129)	\$	(25,981,989)	\$	(26,201,472)
40	Uncollectible Rate		1.2050%		1.2050%		1.2050%		1.2050%
41	Uncollectible Adjustment	\$	(282,631)	\$	(288,009)	\$	(313,083)	\$	(315,728)
42	Difference	\$	-	\$		\$	-	\$	-

San Diego Gas & Electric Company TACBAA Monthly Activities Applicable For the 12-Month Period Ending October 31, 2015 2016 TACBAA Rate Filing

Line		1		Line
No.	Description	Total	Reference	No.
				1
1	Beginning Balance (Overcollection)/Undercollection	\$ 55,421,826	Previous Month's Balance	1
2		,,,	·	2
3	TACBAA Refund			3
4	Kwh	19,754,864,687	Work Paper No. 5; Page 5.1; Line 32	4
5	TACBAA Rate		TACBAA Rates; ER15-679-000	5
6	Total TRBAA Refund Including Franchise Fees & Uncollectibles	\$(257,023,619)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment	(3,060,260)	See Line 41 Below	7
8	Total TACBAA Refund	\$(253,963,359)	Line 6 / Line 38	8
9				9
10	Monthly ISO Charge Types (Revenues=Cr.)/Expenses=Dr.:			10
11	CT 372 - HVAC Due ISO - Expense	\$ 187,150,658	CT 372 - HVAC Due ISO	11
12	•			12
13	CT 374 - HVAC Due PTO - Revenues	(429,549,951)	CT 374 - HVAC Due PTO	13
14				14
15	Total Monthly Related (Revenues)/Expenses:	\$(242,399,293)	Sum Lines 11 through 13	15
16			G	16
17	•			17
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$ 11,564,066	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	1	FERC Monthly Rates	24
25	Interest Expense	\$ 2,539,971	Line 23 x Line 24	25
26	Other Adjustments:	_	Adjustment	26
27	•		, and the second	27
28	Ending Balance (Overcollection)/Undercollection	\$ 69,525,863	Line 1 + Line 18 + Line 25 + Line 26	28
29				29
30				30
31	Franchise Fees & Uncollectible Adjustment:			31
32	Franchise Fees Expense Rate			32
33	Uncollectible Expense Adjustment Rate			33
34	Combined FF&U Adjustment Rate		Franchise Fees & Uncollectible Rate	34
	Total (Refunds)/Collections Including Franchise Fees & Uncollectibles	1	See Line 6 Above	35
	Uncollectibles Included on Line 7 Above:			36
37	Total Refunds/Collections Including Uncollectible Expense]	See Line 35 Above	37
38	Adjustment Factor to Convert Line 34 Above Before Uncollectible	j l	100% + Line 34	38
39	Total Refunds/Collections Before Uncollectible Expense		Line 37 / Line 38	39
40	Uncollectible Rate		See Line 34 Above	40
41	Uncollectible Adjustment	\$ (3,060,260)	Line 39 x Line 40	41
	Difference	\$ -		42

Work Paper – 2
Projected Change for the Remaining
Months of the Year
(November & December 2015)

San Diego Gas & Electric Company 2016 TACBAA Rate Filing

Projected Change for the Remaining Months of the Year (November & December 2015)

					Forecast		<u> </u>	
Line			November		December			Line
No.	Description		2015	ļ	2015	Total	Reference	No.
		1		İ				
1	Beginning Balance (Overcollection)/Undercollection	\$	69,525,863	\$	66,379,657	\$ 69,525,863	Previous Month's Balance	1
2		l						2
3	TACBAA Refund	Ì					,	3
4	Kwh	Ιı	,695,441,449	l 1	,670,341,779	3,365,783,228	Forecast Sales in Nov & Dec 2015 from	4
'	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		,,	-	,,-	,,,,,,,	2014 TACBAA ER15-679 filing; WP 4;	1
		ł					Page 2; Line 32 / Page 2.2	
5	TACBAA Rate	\$	(0.01359)	\$	(0.01359)		TACBAA Rates, ER15-679-000	5
6	Total TRBAA Refund Including Franchise Fees & Uncollectible	\$	(23,041,049)	\$	(22,699,945)	\$ (45,740,994)	Line 4 x Line 5	6
7	Franchise Fees & Uncollectible Expense Adjustment		(274,339)		(270,277)		See Line 44 Below	7
8	Total TACBAA Refund	\$	(22,766,710)	\$	(22,429,668)	\$ (45,196,378)	Line 6 / Line 41	8
9	İ							9
10	Monthly ISO Charge Types (Revenues=Cr.)/Expenses=Dr.:							10
11	CT 372 - HVAC Due ISO - Expense	\$	18,718,633	\$	16,300,000	\$ 35,018,633	Estimated CT 372 - HVAC Due ISO	11
12	İ							12
13	CT 374 - HVAC Due PTO - Revenues		(44,814,244)		(37,465,895)	(82,280,139)	Estimated CT 374 - HVAC Due PTO	13
14	· · · · · · · · · · · · · · · · · · ·						•	14
15	Total Monthly Related (Revenues)/Expenses:	\$	(26,095,611)	\$	(21,165,895)	\$ (47,261,506)	Sum Lines 11 through 13	15
16	i							16
17	·							17
18	Net Monthly Activity (Net of Refunds, Revenues, & Expenses)	\$	(3,328,901)	\$	1,263,773	\$ (2,065,128)	Minus Line 8 + Line 15	18
19								19
20	Interest Expense Calculations:	l						20
21	Beginning Balance for Interest Calculation	\$	71,093,122	\$	71,093,122		Beginning Quarterly Balances	21
22	Monthly Activity Included in Interest Calculation Basis	ŀ	(3,428,300)		(4,460,864)		Interest Calculation Basis	22
23	Basis for Interest Expense Calculation		67,664,822		66,632,258		Line 21 + Line 22	23
24	Monthly Interest Rate		0.27000%		0.28000%		FERC Monthly Rates	24
25	Interest Expense	\$	182,695	\$	186,570	\$ 369,265	Line 23 x Line 24	25
26	Other Adjustments:					-	Adjustment	26
27								27
	Estimated Ending Balance (Overcollection)/Undercollection					i		
28	Forecast	s	66,379,657	\$	67,830,000	\$ 67,830,000	Line 1 + Line 18 + Line 25 + Line 26	28
29		Ë	00,577,057	Ψ	07,030,000	\$ 07,050,000	Ente 1 · Ente 16 · Ente 25 · Ente 26	29
	,						ļ	30
30 31	Net Monthly Activity Forecast	8	(3,146,206)	\$	1,450,343	\$ (1,695,863)	Line 18 + Line 25	31
	Net Monthly Activity Porecast		(3,140,200)	J)	1,430,343	\$ (1,023,003)	Line 18 Line 25	32
32								
33	77 11 77 0 77 N 101 1 N 1							33
34	Franchise Fees & Uncollectible Adjustment:		1.02100/		1.02100/			34
	Franchise Fees Expense Rate		1.0310%		1.0310%			35
36	Uncollectible Expense Adjustment Rate	_	0.1740%	ļ	0.1740%		Provide Provide U. (11. D.)	36
37	Combined FF&U Adjustment Rate		1.2050%		1.2050%		Franchise Fees & Uncollectible Rate	37
38	Total (Refunds)/Collections Including Franchise Fees & Uncollectible)	(23,041,049)	\$	(22,699,945)		See Line 6 Above	38
39	Uncollectibles Included on Line 7 Above:	,	(02.041.040)	٨	(22, (22, 242)		0120.11	39
40	Total Refunds/Collections Including Uncollectible Expense) \$	(23,041,049)	\$	(22,699,945)		See Line 38 Above	40
41	Adjustment Factor to Convert Line B Above Before Uncollectible	,	1.012050		1.012050		100% + Line 37	41
42	Total Refunds/Collections Before Uncollectible Expense	35	(22,766,710)	\$	(22,429,668)	1	Line 40 / Line 41	42
43	Uncollectible Rate		1.2050%	_	1.2050%	6 (544.610)	See Line 37 Above	43
44	Uncollectible Adjustment	\$	(274,339)		(270,277)		Line 42 x Line 43	44
45	Difference	\$		\$	-	\$ -		45

ہے
٠.
3
3

System Delivery Determinants		+				+							\ . .
stomer Class Deliveries (MWh)	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Total
sidential	729,926	638,937	611,731	559,979	553,684	581,798	667,872	684,171	758,524	633,907	595,886	678,987	7,695,401
nall Commercial	160,920	154,282	152,343	147,795	151,066	158,444	173,277	171,880	185,635	165,367	155,471	157,136	1,933,615
ed. & Large Comm./Ind.	808,069	783,347	772,638	777,216	806,130	837,856	- 901,764	883,250	955,447	862,089	832,554	805,053	10,025,413
triculture (PA)	4,566	4,620	4,663	5,616	6,806	8,267	9,272	9,135	9,743	8,135	6,706	5,392	82,920
priculture (PA-T-1)	14,372	14,290	14,260	16,240	19,621	22,703	25,128	24,147	25,364	21,785	18,738	15,865	232,513
ghting	066'1	7,592	7,588	7,404	7,444	1,722	7,828	7,445	7,828	7,512	7,628	7,909	91,891
le for Resale	3.2	3.1	3.1	3.0	3.0	3.1	3.2	3.0	3.2	3.0	3.1	3.2	37.3
otal System	1,725,846	1,603,071	1,563,226	1,514,253	1,544,754	1,616,793	1,785,145	1,780,029	1,942,544	1,698,799	1,616,986	1,670,345	20,061,791
otal System - EXCLUDING Sale for Resale	1,725,842	1,603,068	1,563,223	1,514,250	1,544,751	1,616,790	1,785,142	1,780,026	1,942,541	1,698,796	1,616,983	1,670,342	20,061,754
NPUT FROM FORECAST:	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Total
edium & Large Details - Deliveries in MWH:	.~_												
ied & Large C/I (AD)	3,186	3,156	3,181	3,053	3,149	3,277	3,425	3,460	3,783	3,350	3,100	2,997	39,115
led & Large C/I (AL+AY+DGR)	741,628	725,591	718,633	716,756	741,382	776,715	833,549	818,079	883,913	798,693	762,428	737,323	9,254,692
led & Large C/I (A6)	63,255	54,600	50,824	57,408	665,19	57,864	64,790	61,711	67,751	60,046	67,026	64,732	731,606
Total	808,069	783,347	772,638	777.216	806,130	837,856	901,764	883,250	955,447	862,089	832,554	805,053	10,025,413
						.							
					San Diego Gas & Cliectric	Ellectric Company	700 - 100 -	7015					
ignografish parata basa kataka kataka kataka kataka kataka kataka kataka kataka kataka kataka kataka kataka ka Sertem Delicero Delicero Determin ante	Telegraphic market and the state of the stat	Salar Land Land Bearing Control of the Control of t	no secondo de secondo	an Barelinina	יוחוי חוב דק-יוניחויו	Townson or the second	יייייייייייייייייייייייייייייייייייייי	STATE OF THE PARTY	Herman Control	was also that program of the second	And with the control of the control	The state of the s	
Tratemore Class Delivering (1987)	Ton-15	Feb-15	Mon-15	Anr-15	May-15	Jun-15	Int.15	Ans-15	Sep-15	Oct-15	Nov-15	Dec-15	Total
saidential	729 926 255	638 937 293	611 731 387	559 978 753	553.683.978	581 798 026	667 871 587	684,170,668	758.523.528	633,906,990	595.885.524	678,987,006	7,695,400,994
mall Commercial	160,919,538	154.281.962	152.343.247	147.794,650	151,065,555	158,444,108	173,277,451	171,879,511	185,634,865	165,367,008	155,471,057	157,136,404	1,933,615,356
sed. & Large Comm./Ind.	808,068,538	783,346,677	772,638,349	777,216,366	806,130,425	837,855,708	901,764,203	883,249,653	955,447,241	862,089,202	832,554,172	\vdash	10,025,413,173
sgriculture (PA)	4,566,218	4,620,252	4,662,798	5,616,154	6,805,686	8,267,259	9,272,324	9,134,534	9,742,551	8,134,958	6,705,853	5,391,594	82,920,181
szriculture (PA-T-1)	14,371,632	14,289,761	14,259,910	16,240,070	19,621,165	22,703,171	25,127,731	24,147,372	25,364,321	21,785,265	18,737,852	15,864,677	232,512,927
ighting	7,990,215	7,592,395	7,587,504	7,403,951	7,444,183	7,721,750	7,828,205	7,444,704	7,828,007	7,512,481	7,628,236	7,909,458	91,891,088
ale for Resale	3,249				3,037	3,149	3,197	3,020	3,179	3,033	3,062	3,177	37,273.8
Otal System	1,725,845,643	1,603,071,407	1,563,226,284	1,514,252,959	1,544,754,030	1,616,793,171	1,785,144,698	1,780,029,461	1,942,543,692	1,698,798,937	1,616,985,756	1,670,344,956	20,061,790,993
			1										
Cotal System - EXCLUDING Sale for Resale	1,725,842,395	1,603,068,339	1,563,223,194	1,514,249,945	1,544,750,993	1,616,790,021	1,785,141,501	1,780,026,441	1,942,540,513	1,698,795,904	1,616,982,694	1,670,341,779 20,061,753,719	20,061,753,715
TO TO THE BOOM TO BE SET.	7, 1,	27.4.4	3600.00	4, 46	Mar. 12	T 16	7.1.1	A 1E	Son 15	Det 15	Nov. 15	Dec.15	Total
Medium & Large Details - Deliveries in kWh;	CT-III	CY-CY-	CT-JXTAT	EY-JAW	27-XW77	- T-11110	212.117	CANEL CONTRACT	255.723	2000			
Med & Large C/I (AD)	3,185,573	3,155,861	3,180,574	3,052,688	3,148,912	3,276,777	3,425,094	3,459,526	3,783,205	3,350,013	3,100,010	2,997,243	39,115,478
Med & Large C/I (AL+AY+DGR)	741,628,267	,,	718,633,405	716,756,116	741,382,481	776,715,324	833,548,908	818,078,683	883,913,349	798,693,133	762,428,121	737,323,257	9,254,691,824
Med & Large C/I (A6)	63,254,698			╝	61,599,032	57,863,606	64,790,201	61,711,443	67,750,687	60,046,057	67,026,041	64,732,140	731,605,872
Total	808,068,538	783,346,677	772,638,349	777,216,366	806,130,425	837,855,708	901,764,203	883,249,653	955,447,241	862,089,202	832,554,172	805,052,640	805,052,640 10,025,413,173
		Į	l										

Work Paper – 3 CAISO TAC (Benefit) / Burden Calculation

San Diego Gas & Electric Co. January 1, 2016 Estmated TAC (Benefit)/Burden Calculations Based on Filed Annual TRR/TRBA and Load Data

TAC Components:			Filed	全				
			Annual	Utility				
		Filed	Gross	Specific	TAC	TAC	Net TAC (Benefit)/Burden	E
		Annual TRR	Load	Rate	Rate	Amount	Amount	
		(\$)	(MVVh)	(\$/MMH)	(\$/MWH)	(\$)	(\$)	
ine		[1]	[2]	[3]	[4]	[5]	[9]	Line
No				= [1] / [2]	= total [1]/total [2]	= ([2]) * [4]	[1] - [2]) =	å
1 PG&E	s	607,131,854	90,445,937 \$	6.7126	\$ 11.1396 \$	1,007,529,952	\$ 400,398,098	4
2 SCE	မှ	1,004,417,227	90,511,765 \$	11.0971	\$ 11.1396 \$	1,008,263,250	\$ 3.846.023	2
3 SDG&E	₩	469,609,354	. 20,824,991	22.5503	\$ 11.1396 \$	231,981,700	\$ (237,627,654) 3	4)3
4 Anaheim	မှ	29,423,297	2,507,620	11.7336	\$ 11.1396 \$	27,933,839	\$ (1,489,458)	8 4
5 Azusa	↔	2,347,630	257,416 \$	9.1200	\$ 11.1396 \$	2,867,507	\$ 519,877	7 5
6 Banning	မှာ	1,077,216	144,652 \$	7.4469	\$ 11,1396 \$	1,611,363	\$ 534,147	9 /
7 Pasadena	မာ	14,324,992	1,231,980 \$	11.6276	\$ 11.1396 \$	13,723,743	\$ (601,249)	7 (6
8 Riverside	s	32,665,860	2,180,985 \$	14.9776	\$ 11.1396 \$	24,295,262	\$ (8,370,598)	8
9 Vernon	မှာ	2,973,458	1,181,728 \$	3 2.5162	\$ 11.1396 \$	13,163,956	\$ 10,190,498	တ စ
10 DATC Path 15	ക	25,407,824	9		\$ 11.1396 \$	0	\$ (25,407,824)	10
11 Startrans IO	ક્ક	3,587,536	*		\$ 11.1396 \$	0	\$ (3,587,536)	(9)
12 Trans Bay Cable	မှ	120,771,273	9	1	\$ 11.1396 \$	0	\$ (120,771,273)	3) 12
13 Citizens Sunrise	မာ	11,783,984	9		\$ 11.1396 \$	0	\$ (11,783,984)	13
14 Colton	ક્ક	2,888,500	372,179 \$	7.7611	\$ 11.1396 \$	4,145,919	\$ 1,257,419	9 14
15 VEA	ω	13,177,224	544,970 \$	\$ 24.1797	\$ 11.1396 \$	6,070,738	\$ (7,106,486)	15
16 ISO Total	ક્ક	2.341.587.229	210.204.223		5	2,341,587,229	49	16

Work Paper – 4 CAISO PTO HVTRR Input Form

	San	Diego Gas & E	lectric Co.	
	2016 Estimate	ed TAC (Benefit)/Burden TRF	₹ Inputs
	HIGH VOLTAGE AND LO	OW VOLTAGE COM	PONENTS	Info Only
PTO	-	Total HV	Total LV	Combined
<u>a</u>	<u> </u>	Filed TRR	Filed TRR	TRR
	Base TRR		810,562,618	1,502,766,119
	TRBAA	_ (81,334,295)	(36,872,336)	(118,206,631)
	Standby Credit		(4,383,032)	(8,120,384)
	Total	607,131,854	769,307,250	1,376,439,104
PG&E				
တြွ	Gross Load	90,445,937	90,445,937	90,445,937
"	14000 00 10 4			
	Utility Specific Access	0.7400	0.5057	45.0404
	Charges (\$/MWh)	6.7126	8.5057	15.2184
	TRR - Eff. Date - Docket#	10/1/2015 ER1		
H	TRBA - Eff. Date - Docket#	1/1/2016 E 1,045,086,301	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 006 002 220
	Base TRR TRBAA		The second secon	1,086,003,329 (31,070,288)
	Standby Credit	(30,701,307) (0,997,697)	(288,901) (387,121)	
İ	Total	(9,887,687) 1,004,417,227	40 241 006	(10,274,808) 1,044,658,233
	Total	1,004,417,227 -	40,241,000	1,044,000,200
SCE	Gross Load	90,511,765	90,511,765	90,511,765
Š	Oloso Edad			30,311,703
1	Utility Specific Access		Total Care Care	
	Charges (\$/MWh)	11.0971	0,4446	11.5417
	TRR - Eff. Date - Docket#	1/1/2016 ER11-	. N. CORPA BOLOGICA PROGRESSION AND PROPERTY	
	TRBA - Eff. Date - Docket#	<u>1/1/2</u> 016 EI		
-	Base TRR	492,206,000		795,496,000
	TRBAA	(15,731,056)	(205,197)	(15,936,253)
	Standby Credit	(6,865,590)	(4,230,474)	(11,096,064)
	Total	469,609,354	298,854,329	768,463,683
Щ				
SDG&	Gross Load	(20,824,991)	20,824,991	20,824,991
S				음마 병사는 일본
	Utility Specific Access			
	Charges (\$/MWh)	22.5503	14.3508	36.9010
	TRR - Eff. Date - Docket#	1/1/2016 - E	R16-445	
	TRBA - Eff. Date - Docket#	1/1/2016 - El	R16-XXX	
	Base TRR	2,973,047		2,973,047
	TRBAA	411		411
	Standby Credit	-		
_	Total	2,973,458		2,973,458
ŏ		4 404 700	:	
Vernon	Gross Load	1,181,728		1,181,728
>	Littlitus Conneities Annuae			
	Utility Specific Access	2.5162	list List	2.5162
	Charges (\$/MWh) TRR - Eff. Date - Docket#	2.5162 1/1/2016 N	J 116_1	2,3102
	TRBA - Eff. Date - Docket#	1/1/2016 N		
	Base TRR	30,000,000	10 10 1	30,000,000
	TRBAA	(576,703)	<u></u>	(576,703)
	Standby Credit	(5,0,7,00)	I.	(0,0,,00)
	Total	29,423,297	- P	29,423,297
Ē				
Anaheim	Gross Load	2,507,620		2,507,620
\na		, ,		
٩	Utility Specific Access		<u></u>	
	Charges (\$/MWh)	11.7336	I.	11.7336
	TRR - Eff. Date - Docket#	7/1/2011 ER	11-3594	
i .	TRBA - Eff. Date - Docket#	1/1/2015 N	IJ15-5	

<u>San</u>	Diego Gas &	Electric Co.	
			R Inputs
HIGH VOLTAGE AND LO	W VOLTAGE CO	MPONENTS	Info Only
	Total HV	Total LV	Combined
		Filed TRR	TRR
			2,348,028
	(390)		(398)
	2 347 630		2,347,630
**	2,011,000		2,0-77,000
Gross Load	257,416		257,416
Utility Specific Access			
			9.1200
	The second secon		
<u> </u>	200 TO TO TO TO TO TO TO TO TO TO TO TO TO	<u> </u>	4 075 040
		-	1,075,918 1,298
	1,200		1,290
Total	1,077.216		1,077,216
		•	
Gross Load	144,652	144,652	144,652
Utility Specific Access			
			7.4469
1			14,818,984
			(493,992)
	(400,002)		(493,992) _
Total	14,324,992		14,324,992
Gross Load	1,231,980		1,231,980
	44.0070		
		-D44-4075	11.6276
		NJ 13-0	32,939,969
			(274,109)
	-		
Total	32,665,860		32,665,860
Gross Load	2,180,985		2,180,985
T.(1)			
• •	14 0776		14.0776
		N 116-2	14.9776
	i		
			25,925,000
TRBAA	(517,176)	~~	(517,176)
Standby Credit	- [
Total	25,407,824		25,407,824
Gross Load	-		
Litility Specific Access			
• •	0.000		0.0000
		ER14-1332	
TRBA - Eff. Date - Docket#		The state of the s	
	Base TRR TRBAA Standby Credit Total Gross Load Utility Specific Access Charges (\$/MWh) TRR - Eff. Date - Docket# TRBAA Standby Credit Total Gross Load Utility Specific Access Charges (\$/MWh) TRR - Eff. Date - Docket# TRBAA Standby Credit Total Gross Load Utility Specific Access Charges (\$/MWh) TRR - Eff. Date - Docket# TRBA - Eff. Date - Docket# TRBAA Standby Credit Total Gross Load Utility Specific Access Charges (\$/MWh) TRR - Eff. Date - Docket# TRBAA Standby Credit Total Gross Load Utility Specific Access Charges (\$/MWh) TRR - Eff. Date - Docket# TRBAA Standby Credit Total Gross Load Utility Specific Access Charges (\$/MWh) TRR - Eff. Date - Docket# TRBAA Standby Credit Total Gross Load Utility Specific Access Charges (\$/MWh) TRR - Eff. Date - Docket# TRBAA Standby Credit Total Gross Load Utility Specific Access Charges (\$/MWh) TRR - Eff. Date - Docket# TRBAA Standby Credit Total Gross Load	### Page 12	Base TRR

	San	Diego Gas & E	Electric Co.	
	2016 Estimate	d TAC (Benefit	t)/Burden TR	R Inputs
Ļ	HIGH VOLTAGE AND LO			Info Only Combined
답		Total HV	Total LV	TRR
H	Base TRR	Filed TRR 3,658,708	Filed TRR	3,658,708
	TRBAA	(71,172)		(71,172)
	Standby Credit]		\(\frac{1}{2}\)
⁰	Total	3,587,536		3,587,536
		2,22,,22		
ᄩ	Gross Load	-	•	
Startrans		'		
5	Utility Specific Access			
	Charges (\$/MWh)	0.0000		0.0000
	TRR - Eff. Date - Docket#	1/1/2016 E		
	TRBA - Eff. Date - Docket#	1/1/2016 E		
	Base TRR	121,823,486	9,310,514	131,134,000
	TRBAA	(1,052,213)	1,537	(1,050,676)
ë	Standby Credit	-		
Cable	Total	120,771,273	9,312,051	130,083,324
<u>ح</u>	Overelect		் துறு உசன்கள்	
Bay	Gross Load	-	20,445,93T	
rans	Lighta Connection Annual			
Ē	Utility Specific Access	0.0000	0.1030	0.0000
	Charges (\$/MWh) TRR - Eff. Date - Docket#	12/17/2013 E		0.0000
	TRBA - Eff. Date - Docket#	1/1/2015 E	er and the second secon	
	Base TRR	11,986,382	K 10-744	11,986,382
	TRBAA	(202,398)		(202,398)
	Standby Credit	- (202,000)		(202,030)
itizens Sunrise	Total	11,783,984		11,783,984
=		11,100,001		
S	Gross Load	-	-	
eü				
Ę	Utility Specific Access			
Ö	Charges (\$/MWh)	0.0000	0.0000	0.0000
	TRR - Eff. Date - Docket#	6/1/2015 EF	R15-1795	
	TRBA - Eff. Date - Docket#	1/1/2016 EI	R16-143	
	Base TRR	2,897,086	-	2,897,086
	TRBAA	(8,586)	-	(8,586)
	Standby Credit	-	<u>-</u>	
l _	Total	2,888,500	-	2,888,500
[5	Cross Lood	272.470		070 470
Colton	Gross Load	372,179		372,179
٦	Litility Charific Assess			
	Utility Specific Access Charges (\$/MWh)	7.7611	0.0000	7.7611
	TRR - Eff. Date - Docket#	1/1/2015		
	TRBA - Eff. Date - Docket#	1/1/2015 1		
	Base TRR	10,886,590	3,413,410	14,300,000
	TRBAA	2,290,634		2,290,634
	Standby Credit	-,,	-	
	Total	13,177,224	3,413,410	16,590,634
VΕΑ	Gross Load	544,970	544,970	544,970
>				
	Utility Specific Access			
	Charges (\$/MWh)	24.1797	6.2635	30.4432
	TRR - Eff. Date - Docket#	1/1/2013 E		
	TRBA - Eff. Date - Docket#	1/1/2015 EF	₹15-761	

	<u>San</u>	Diego Gas &	Electric Co.	
	2016 Estimate	d TAC (Benefi	t)/Burden TR	R Inputs
	HIGH VOLTAGE AND LO	W VOLTAGE CO	MPONENTS	Info Only
0		Total HV	Total LV	Combined
PTO		Filed TRR	Filed TRR	TRR
		For Informati	on Only	
	Base TRR	2,490,829,000	1,167,493,570	3,658,322,570
<u>g</u> .	TRBAA	(128,751,142)	(37,364,897)	(166,116,039)
Grid	Standby Credit	(20,490,629)	(9,000,627)	(29,491,256)
ő	Total	2,341,587,229	1,121,128,046	3,462,715,275
AISO				
၂ပ	Gross Load	210,204,223		
Total				
ĭ	Utility Specific Access			
	Charges (\$/MWh)	11.1396		

Work Paper – 5 12-Month Recorded Sales Ending 10/31/2015 & 12-Month Forecast Sales from 1/1/2016 thru 12/31/2016

Name	No.			Recorded Bil	ing Deferminants	for the 12-Mont	h Period: Novem	Recorded Billing Deforminants for the L2-Month Period: November 2014 - October 2015	r 2015						ģ
Marie Lange Control No. Marie Lange Cont	System Delivery Determinants														1
1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	Customer Class Deliveries (MWh)	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	<u>Apr-15</u>	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Total	71
1,19,200 1,19,200	Residential	559,881	590,713	654,947	535,798	523,755	500,457	505,583	510,494	599,362	654,904	777,855	721,103	7,134,852	m
### STATE CONTRING NO. 1881-56 (1985) 1981-56 (1985	Small Commercial	165,753	156,408	158,997	145,288	152,623	157,570	148,065	150,826	169,257	171,789	184,457	179,856	1,940,889	4
Column C	Med. & Large Comm./Ind.	818,356		829,206	833,177	780,573	835,368	819,022	751,011	940,849	815,268	937,539	1,010,557	10,260,983	'n
Control Cont	Agriculture (PA)	7,888		4,831	6,130	5,933	7,997	7,519	7,787	8,937	8,593	9,530	8,554	89,259	9
1,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	Agriculture (PA-T-1)	20,879		12,506	16,555	15,367	19,457	16,045	15,866	19,154	44,309	17,339	25,995	239,404	-
1,582,001 1,582,702 1,665,018 1,547,02 1,466,018 1,520,401 1,520,401 1,404,008 1,709,02 1,	Lighting	10,246		5,423	10,807	7,851	685'8	4,867	7,063	9,130	4,809	8,163	5,164	89,478	∞
1,582,014 1,582,024 1,582,024 1,582,024 1,582,024 1,592,427 1,492,427 1,492,427 1,792,423 1,792,428 1,59	Sale for Resale	11.3	15.0	7.5	0.5	3.4	8.9	4.5	9.0	1.5	0.5	0.5	0.5	53	6
1,583,000 1,582,788 1,665,510 1,547,756 1,486,101 1,520,477 1,501,101 1,443,047 1,746,688 1,779,922 1,799,223 1,799,23 1,799,2	Total System	1,583,014	1,585,803	1,665,918	1,547,756	1,486,104	1,529,444	1,501,105	1,443,048	1,746,690	1,779,922	1,934,884	1,951,229	19,754,917	2
Note Decid June Section Jule Section Jule Section Section Jule Section Jule Section Section Jule Section Section Jule Section Section Section Jule Section Section Section Jule Section Section Section Jule Section Section Section Jule Section Section Section Section Section Jule Section S	Total System - EXCLUDING Sale for Resale		1 585 788	1 665 910	1 547 756	1 486 101	1 520 437	101 101	1 443 047	1 746 600	1 770 000	100 100 1	1 061 000	0.00	= 5
No. 14 Dec. 14 Jan. 15 Sep. 15 Mar. 15 Mar. 15 Jan. 15 Jan. 15 Mar. 15 Jan.								13113211	12000	1,110,000	776,611,1	1,00,100,1	677,106,1	19,794,600	7 2
1,10, 1,10	INPUT FROM RECORDED SALES FI		Dec-14	Jan-15	Feb-15	Mar-15	<u>Apr-15</u>	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Total	14
1,10, 1,10	Medium & Large Details - Deliveries in MM														15
750,535 745,122 760,555 775,771 714,275 714,	Med & Large C/I (AD+PA-T-1)	3,382		3.219	3,022	3,064	3,211	3,181	3,038	3,325	3,469	3.744	3,664	39,437	16
State Stat	Med & Large C/I (AL+AY+DGR)	750,935		760,858	775,371	714,206	768,825	760,023	713,788	843,724	829,949	876,425	925,758	9,465,053	17
Single S	_	64,039		65,129	54,785	63,303	63,332	55,817	34,185	93,800	62,101	57,370	81,135	756,493	18
Second-of-Billing Determinants for the 12-Month Period: November 2014 - October 2015 Month Street Billing Determinants for the 12-Month Period: November 2014 - October 2015 Month Street Billing Determinants for the 12-Month Period: November 2014 - October 2015 Month Street Billing Determinants for the 12-Month Period: November 2014 - October 2015 Month Street Billing Determinants for the 12-Month Period: November 2014 - October 2015 Month Street Billing Determinants for the 12-Month Period: November 2014 - October 2015 Month Street Billing Determinants for the 12-Month Period: November 2014 - October 2015 Month Street Billing Determinants for the 12-Month Billing Determinants for the 12-Month Period: November 2014 - October 2015 Month Street Billing Determinants for the 12-Month Billing Determinants f	Total	818,356		829,206	833,177	780,573	835,368	819,022	751,011	940,849	895,518	937,539	1,010,557	10,260,983	19
Nov-14 Dec.14 Jan-15 Sept. S															8
Nov-14 Dec-14 Jan-15 Reb-15 Mar-15 Mar-15 Jan-15 J		1				San Diego Gas	& Electric					:			l i
Nov-14 Doc-14 Jan-15 Reb-15 Apr-15 Apr-15 Jan-15 Jan-15 Aug-15 Jan-15 Jan-15 Aug-15 Jan-15 Jan-15 Aug-15 Jan-15 Jan-15 Aug-15 Got-15 Total 559 880/773 590 807/73 590 807/73 590 807/73 590 707/73 590 707/73 750 707/73 </td <td></td> <td></td> <td></td> <td>Recorded Bil</td> <td>ing Determinants</td> <td>for the 12-Mont</td> <td>h Period: Novem</td> <td>ber 2014 - Octobe</td> <td>r 2015</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td>				Recorded Bil	ing Determinants	for the 12-Mont	h Period: Novem	ber 2014 - Octobe	r 2015						2
Nov-14 Dec-14 Jan-15 Feb-15 Mar-15 Mar-15 Jan-15 J	System Delivery Determinants							-							5 2
555,880,773 509,713,442 654,903,690 535,798,244 523,735,104 509,4713,427 509,431,202 510,494,276 550,403,690 777,853,642 771,102,994 771,789,442 78,453,563 771,102,994 771,102,994 771,789,444 78,453,512 179,856,350 771,102,994 771,789,444 78,457,114 771,789,444 78,457,114 771,789,444 78,457,114 771,789,444 78,457,114 771,789,444 78,533,77 78,003,837 <td>Customer Class Deliveries (kWh)</td> <td>Nov-14</td> <td>Dec-14</td> <td>Jan-15</td> <td>Feb-15</td> <td>Mar-15</td> <td>Apr-15</td> <td>May-15</td> <td>Jun-15</td> <td>Jul-15</td> <td>Aug-15</td> <td>Sep-15</td> <td>Oct-15</td> <td>Total</td> <td>2 2</td>	Customer Class Deliveries (kWh)	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Total	2 2
18,572,020 18,996,78 145,288.076 15,625,636 157,569,514 148,065,197 150,825,399 169,257,114 17,789,464 184,457,379 179,856,330 1940,888,408 170,836,624 10,260,586,234 10,260,586,234 10,260,586,334 10,260,586 10,260,536 10,260,536 10,260,536 10,260,536 10,260,536 10,260,536,234 10,260,536 10,260,536 10,260,536 10,260,536 10,260,537 10,245,736 10,245,738 10,244,738 10,2	Residential	559,880,773	590,713,442	654,946,809	535,798,244	523,755,011	500,457,028	505,583,138	510,494,276	599,361,586	654,903,690	777,855,363	721,102,994	7,134,852,354	ខ្ល
818,336,420 809,807,873 829,205,661 833,177,428 780,572,590 875,259 759,667 75,18,836 75,101,301 940,848,952 805,518,277 937,538,773 1,010,556,624 10,06,593,477 10,06,556,624 10,06,556,624 10,06,556,624 10,06,556,73 75,18,836 75,18,836 75,18,836 75,18,836 75,18,836 75,18,836 75,18,836 75,18,836 10,18,371 4,430,373 4,430,371 4,430,373 4,430,371 4,430,373 4,430,371 4,430,371 4,430,371 4,430,371 4,430,371 4,430,371 4,430,371 4,430,371 4,430,371 8,540,371 4,430,371 8,540,371 4,430,371 4,430,371 4,430,371 4,430,471 8,645,735 1,443,472 7,445,472	Small Commercial	165,752,621	156,407,691	158,996,758	145,288,076	152,622,698	157,569,514	148,065,197	150,825,939	169,257,114	171,789,464	184,457,379	179,856,350	1,940,888,801	24
7.887/915 5.560,685 4.811,195 6,129,882 5,925,93 7.996,627 7.518,836 7,787,178 8,937,155 8,592,521 9,529,687 8,554,037 89,238,627 20,879,015 15,322,189 12,506,421 16,535,6822 19,437,062 16,045,231 15,885,512 19,135,571 44,306,534 17,399,887 20,94,810 25,994,810 29,94,810 29,94,810 29,403,877 20,403,877 20,403,877 31,403,973 1,585,403 31,403,973 1,585,403 31,403,973 1,585,403 31,403,973 1,585,403 31,403,973 1,585,403 31,403,974,408 4,805,403 1,744,304,50 1,746,689,756 1,779,203,887 1,514,304,303 1,746,688,723 1,746,688,723 1,746,688,723 1,745,484,408 1,974,484	Med. & Large Comm./Ind.	818,356,420	809,807,873	829,205,681	833,177,428	780,572,590	835,367,803	819,021,759	751,011,301	940,848,952	895,518,272	937,538,773		10,260,983,476	25
20,879,015 15,592,189 12,506,421 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,555,379 16,556,073 16,500,000 4,806,573 7,002,850 9,129,845 4,809,371 8,163,389 5,164,003 89,477,552 25,555 25,556 17,339 17,46,685,773 7,002,857 1,746,689,756 1,779,922,387 1,534,884,408 1,551,229,343 19,754,864,687 25,555 25,	Agriculture (PA)	7,887,915	5,560,685	4,831,195	6,129,852	5,932,939	7,996,627	7,518,836	7,787,178	8,937,155	8,592,521	9,529,687	8,554,037	89,258,627	56
1,583,013,782 7,585,162 5,433,418 10,805,555 7,890,608 8,589,040 4,866,573 7,062,855 7,062,855 7,062,855 7,1486,104,093 1,529,443,838 1,501,105,246 1,443,047,630 1,746,689,756 1,779,921,852 1,585,788,042 1,565,917,400 1,547,755,534 1,486,104,093 1,529,443,838 1,501,105,746 1,443,047,630 1,746,689,756 1,779,921,852 1,934,884,408 1,951,229,343 19,754,864,687 1,549,047,630 1,746,688,223 1,779,921,852 1,934,884,408 1,951,229,343 19,754,864,687 1,645,047,059 1,585,788,042 1,585,788,04	Agriculture (PA-T-1)	20,879,015	15,932,189	12,506,421	16,555,379	15,366,852	19,457,062	16,045,251	15,865,512	19,153,571	44,308,534	17,339,281	25,994,810	239,403,877	27
1,583,013,782 1,585,02,482 1,665,917,490 1,547,755,594 1,486,104,093 1,529,443,838 1,501,105,294 1,443,047,630 1,746,689,756 1,779,921,852 1,934,884,408 1,934,884,408 1,937,486,104,093 1,529,443,838 1,501,105,294 1,443,047,630 1,746,688,223 1,779,921,852 1,934,884,408 1,937,293,431 1,975,4917,242 1,585,788,042 1,565,910,282 1,547,755,534 1,486,104,093 1,529,443,7074 1,443,047,056 1,746,688,223 1,779,921,852 1,934,884,408 1,937,884,408 1,937,486,468 1,539,437,748 1,443,047,056 1,746,688,223 1,779,921,852 1,934,883,872 1,951,228,818 19,754,864,687 1,941,841,841 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841,951 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841,951 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841,951 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841,951 1,941,841,951 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841,951 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841,951 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841,951 1,941,841 1,941,841 1,941,841 1,941,841 1,941,841,951 1,941,841,951 1,941,841,951 1,941,841,951 1,941,841,951 1,941,841,951 1,941,841,951 1,941,841,952 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,841,942 1,941,	Lignting Sale for Perole	11,260	7,366,162	5,423,418	10,806,555	7,850,608	8,589,040	4,866,573	7,062,850	9,129,845	4,809,371	8,163,389	5,164,003	89,477,552	28
1,583,002,482 1,585,788,042 1,665,910,282 1,547,755,594 1,486,100,698 1,529,443,838 1,501,105,246 1,445,047,630 1,746,688,273 1,779,922,387 1,934,884,408 1,951,229,343 1,9754,917,242	Sale for Nesare	11,300	14,983	7,458	460	3,395	6,764	4,492	574	1,533	535	536	525	52,555	53
1,583,002,482 1,585,788,042 1,665,910,282 1,547,755,534 1,486,100,698 1,529,437,074 1,501,100,754 1,443,047,056 1,746,688,223 1,779,921,852 1,934,883,872 1,951,228,818 19,754,864,687	Total System	1,583,013,782	1,585,803,025	1,665,917,740	1,547,755,994	1,486,104,093	1,529,443,838	1,501,105,246	1,443,047,630	1,746,689,756	1,779,922,387	1,934,884,408		19,754,917,242	30
Nov-14 Dec-14 Jan-15 Reb-15 Apr-15 Apr-15 Jun-15 Jun-15 Jul-15 Jul-15 Aug-15 Sep-15 Oct-15 Total 3,382,250 3,119,207 3,218,862 3,021,594 3,023,845 3,210,851 3,181,481 3,324,696 3,468,662 3,743,913 3,663,858 39,437,383 750,935,107 745,191,966 760,857,968 714,205,566 768,824,665 760,023,407 713,788,186 843,723,886 829,948,767 87,370,159 95,455,032,797 64,039,063 61,496,700 65,128,851 843,773,881 843,723,886 821,008,43 75,170,159 81,135,034 756,493,296 818,356,470 809,807,873 829,205,5661 833,174,428 835,367,803 819,021,739 751,011,301 940,848,922 895,518,272 957,538,773 1,010,556,624 10,200,983,476	Total System - EXCLUDING Sale for Resale		1,585,788,042	1,665,910,282	1,547,755,534	1,486,100,698	1,529,437,074	1,501,100,754	1,443,047,056	1,746,688,223	1,779,921,852	1,934,883,872	- 1	19.754.864.687	2 3
3,382,250 3,119,207 3,218,862 3,021,594 3,023,845 3,121,8451 3,038,164 3,324,696 3,468,662 3,443,913 3,663,888 39,437,381 750,935,107 745,191,966 760,837,968 775,370,846 714,205,566 768,824,665 760,023,407 713,788,186 843,723,886 829,948,767 876,424,701 925,757,732 9,465,052,797 64,035,063 64,035,063 64,035,064 83,303,179 63,332,287 55,816,871 34,184,951 94,848,952 821,015,159 921,035,662 1135,034 756,493,296 818,356,420 809,807,873 829,205,681 780,572,759 815,021,759 751,011,301 940,848,972 895,518,773 1,010,556,624 10,260,983,476	INPIT FROM FORECAST:	Nov-14	Dec.14	Jon. 15	Fob 15	May 16	100			,		,			33
3,382,250 3,119,207 3,218,862 3,023,845 3,100,284 3,119,207 3,063,858 3,063,845 3,111,481 3,111,208 3,424,596 3,468,662 3,424,596 3,468,662 3,743,913 3,663,858 39,437,388 3,424,696 3,424,696 4,424,701 925,757,732 9,465,032,797 9,405,848,952 895,518,772 9,101,0356,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,624 10,100,556,634	Medium & Large Details - Deliveries in kWI				2	21-181	Christon Control	CT-ARIM	CT-unic	CI-III	CI-BIIV	Sep-15	Oct-13	Total	35
750,395,107 745,191,966 760,887,968 773,370,846 760,023,407 713,788,186 843,723,886 829,948,767 876,424,701 925,757,732 9,465,032,797 64,039,063 61,496,700 65,128,851 54,784,988 63,303,179 63,332,287 55,816,871 34,184,951 940,848,952 820,518,272 91,557,732 9,465,032,797 818,356,420 809,807,873 829,205,681 833,177,428 780,572,590 835,367,803 819,021,759 751,011,301 940,848,952 895,518,272 997,538,773 1,010,556,624 10,200,983,476	Med & Large C/I (AD)	3,382,250	3,119,207	3,218,862	3,021,594	3,063,845	3,210,851	3,181,481	3,038,164	3,324,696	3,468,662	3,743,913	3,663,858	39.437.383	3 8
64,039,063 61,496,700 65,128,851 54,784,988 63,303,179 63,332,287 55,816,871 34,184,951 93,800,370 62,100,843 57,370,159 81,135,034 756,493,286 Total 818,356,420 809,807,873 829,205,681 833,177,428 780,572,590 835,367,803 819,021,759 751,011,301 940,848,952 895,518,272 937,538,773 1,010,556,624 10,260,983,476	Med & Large C/I (AL+AY+DGR)	750,935,107	745,191,966	760,857,968	775,370,846	714,205,566	768,824,665	760,023,407	713,788,186	843,723,886	829,948,767	876,424,701	925,757,732	9.465.052.797	37
818,356,420 809,807,873 829,205,681 833,177,428 780,572,590 835,367,803 819,021,759 751,011,301 940,848,952 895,518,272 937,538,773 1,010,556,624 10,260,983,476		64,039,063	61,496,700	65,128,851	54,784,988	63,303,179	63,332,287	55,816,871	34,184,951	93,800,370	62,100,843	57,370,159	81,135,034	756,493,296	38
	Total	818,356,420	809,807,873	829,205,681	833,177,428	780,572,590	835,367,803	819,021,759	751,011,301	940,848,952	895,518,272	937,538,773	1,010,556,624	10,260,983,476	39
															6

1 Communication National Property		THE RESERVE THE PROPERTY OF THE PARTY OF THE	はははいいというというないないというないという					O Z II N - I I POPUL	9102-	ALC: A CONTROL OF STREET STREET, STREET	A STATE OF THE PARTY OF THE PAR	CHEMINAL STREET, STREE	The state of the s	The second secon	
Common Charles (Compared Charles (Compared Charles Charles (Compared Charles	Customer C								Sept To a section of the section of	Control of the Contro					<u>:</u> -
Second Communication Second Communication		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	- °
18,000 1	Kesidentiai	727,420	636,792	609,933		552,577	580,784	666,573	682,833	758.416	633.833	595 422	958 329	7 681 377	1 "
Marked Large Contention Auto Au	Small Commercial	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
Accompanies Accompanies	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	
Particular (24.1) Part	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	9
Marie 1, 19, 19, 19, 19, 19, 19, 19, 19, 19,	Agriculture (PA-T-1)	14,423	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349	-
Total Spires Line State State	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	∞
Truch System 1, 177, 1009 1,599, 1010 1,599, 101 1,510, 100 1,510, 100 1,511, 100 1,700, 101 1,500, 101 1,510, 101 1,510, 100 1,510, 101, 101 1,510, 1,		3.2	3.1	3.1	3.0	3.0	3.1	3.2	3.0	3.2	3.0	3.1	3.2	37.3	0
Column C		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	12
Marche Report Name Property Marche March Marche Marche Marche Marche Marche Marche March		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	1 665 033	30.013.936	= =
ASENTA Paris Paris Paris Asenta Asenta Asenta Paris Asenta Asenta Paris Asenta Paris Asenta Paris Asenta Paris Asenta Paris Asenta Paris P												11/21011	1,000,000	022,010,02	3 5
Mark & Lange Ci (ALCA) 1989 198		Jan-16	Feb-16	Mar-16	<u>Apr-16</u>	May-16	<u>Jun-16</u>	Jul-16	<u>Aug-16</u>	Sep-16	Oct-16	Nov-16	Dec-16	Total	4
Mark Luge Ci (A.) Total Bolton Cisa Marcia Bo	Med & Large C/I (AD)	2.950	2 922	2 944	2 825	2016	3 034	2 172	0000	117	t				13
Mode & Lugge Cit (Ad) Mode & Mode	Med & Large C/I (AL+AV+DGR)	730 542	773 493	1,200	714 300	2,510	3,034	3,1/3	3,208	3,517	3,117	2,884	2,791	36,281	16
Page Page	Med & Large C/I (A6)	64.472	55.627	51.771	58 484	62 765	58 954	830,532	815,255	878,846	794,380	758,472	733,309	9,217,117	12
Second Process Seco		806 964	787 047	771 005	775 708	804 478	935 940	000,000	100,000	100,000	01,179	08,307	676,60	/45,424	2
Sun Diago Gas Riberirio. Sun Diago Gas Ribe										, and the second			0.000	77000666	1
Part Part				Forecast Bill	ng Determinants	San Diego Gas d for the 12-Monti	& Electric	. 2016- Decemb	r 2016						j
12/11/15/15/15/15/15/15/15/15/15/15/15/15/	System Delivery Determinants	,	-		,	,									[2]
100.31310 100.	Recidential	727 410 040	rep-10	Mar-16	Apr-16	<u>May-16</u>	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	21
10,000,000 1,0	Small Commercial	160 331 520	153 607 026	151 745 750	147 213 246	150 455 406	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
4,580,174 4,684,909 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 5,635,904 4,677,388 4,67	Med. & Large Comm./Ind.	806 963 765	782 041 552	771 005 238	802 202 522	804,504,001	137,007,342	172,367,089	171,201,558	184,872,950	164,655,053	154,757,034	156,346,731	1,925,682,495	24
14,423.292	Agriculture (PA)	4.580.174	4.634.909	4 677 383	5 633 199	6826,424,408	8 290 769	0 708 378	0 160 027	951,386,527	160,575,858	829,663,454	802,075,681	9,998,822,077	2
7.898.431 7.501.561 7.494,706 7.315.289 7.325.977 7.632.568 7.736,164 7.360,112 7.738.414 7.543.424 <t< td=""><td>Agriculture (PA-T-1)</td><td>14,423,292</td><td>14,338,852</td><td>14,310,957</td><td>16,299,756</td><td>19,692,252</td><td>22,786,463</td><td>25,220,539</td><td>24.236.237</td><td>25.455.368</td><td>21.861.203</td><td>18 802 814</td><td>15 971 635</td><td>33,162,105</td><td>2 2</td></t<>	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	15 971 635	33,162,105	2 2
3.249 3.068 3.090 3.014 3.037 3.197 3.197 3.197 3.177 3.177 3.127 <th< td=""><td>Lighting</td><td>7,898,431</td><td>7,501,561</td><td>7,494,706</td><td>7,315,289</td><td>7,355,977</td><td>7,632,508</td><td>7,736,164</td><td>7,360,012</td><td>7,738,471</td><td>7,429,144</td><td>7,543,424</td><td>7.826.742</td><td>90.832.430</td><td>2 8</td></th<>	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	2 8
1,721,620,279 1,599,000,033 1,559,170,558 1,510,609,164 1,541,348,309 1,613,144,456 1,781,127,633 1,776,1120,022 1,937,642,729 1,694,614,387 1,612,917,043 1,665,933,312 20,013,225,369 1,721,617,031 1,599,000,965 1,559,167,468 1,510,600,164 1,541,345,272 1,613,141,347 1,781,124,436 1,776,119,002 1,937,639,539 1,664,71,800 2,944,397 2,944,397 2,945,449 2,921,750 2,944,397 2,945,449 2,921,750 2,944,397 2,944,471,800 2,944,310 2,944,317 2,944,397 2	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	18
1,721,617,031 1,599,006,965 1,559,167,468 1,510,606,150 1,941,345,72 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 2,0013,225,869 1,599,606,965,765 1,599,609,549 2,941,390 2,944,397 2,825,445 2,945,549 2,944,397 2,825,445 2,945,549 2,944,397 2,945,540 2,944,397 2,944,397 2,942,416 2,944,397	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	•	20,013,263,143	30
Jan-16 Feb-16 Mar-16 Jun-16 Jun-16 Jun-16 Jun-16 Aug-16 Sep-16 Oct-16 Nov-16 Dec-16 Total 2,949,549 2,921,750 2,944,397 2,825,445 2,915,875 3,044,062 3,172,918 3,208,262 3,516,575 3,116,800 2,884,310 2,791,130 36,281,074 739,542,416 723,492,779 716,290,337 714,398,097 738,746,887 773,852,170 830,532,471 815,254,755 87,8846,228 794,379,691 788,411,881 733,093,23 9,217,117,035 64,471,800 55,627,023 51,770,504 58,483,966 62,764,832 66,003,143 62,864,307 69,023,724 69,023,724 61,178,600 68,307,263 36,771,217,035 806,965,765 782,041,567 771,005,238 775,707,508 804,477,595 885,397,811 899,708,532 881,327,324 951,386,527 829,650,91 829,653,677 899,0882,077	Total System - EXCLUDING Sale for Resale	1 721 617 031	1 599 006 965	1 550 167 468	1 \$10 606 150	1 5/1 3/5 970	1 612 141 247	207 101 107 1	000 011 722 1	1 002 002					31
Jab-16 Reb-16 Mar-16 Apr-16 Jun-16 Jun-16 Jun-16 Jun-16 Aur-16 Jun-16 Jun-16<				201121	0.71000000000	27252.012.01	1.010,171,010,1	1,101,124,450	7,70,119,002	000,400,104,1	1,094,611,354	1,612,913,981		20,013,225,869	3 3
2,949,549 2,921,730 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 36,281,074 739,542,416 723,492,779 716,290,337 714,398,097 738,746,887 773,852,170 815,254,755 815,254,755 878,846,228 794,379,691 758,471,881 733,309,323 9,217,117,035 64,471,800 55,627,023 51,770,504 58,483,966 62,764,837 66,003,143 62,864,307 69,023,724 61,178,600 68,307,263 65,975,228 745,423,968 806,963,765 782,041,522 771,005,238 775,707,508 804,427,555 881,327,324 951,386,527 858,675,091 829,663,454 802,075,681 999,882,077	INPUT FROM FORECAST:	Jan-16	Feb-16	Mar-16	<u>Apr-16</u>	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	34
2,949,549 2,921,750 2,944,397 2,944,397 2,944,397 2,915,875 3,034,062 3,172,918 3,208,262 3,16,575 3,116,800 2,884,310 2,791,130 36,281,074 739,542,416 723,492,779 716,280,337 714,398,097 738,744,887 773,852,170 815,254,755 878,846,228 794,370,691 758,471,881 733,309,323 9,217,117,035 64,471,800 55,627,023 51,70,504 58,485,966 62,764,832 58,535,579 66,003,143 62,064,307 69,023,724 61,178,600 68,307,263 65,977,235 87,336,527 881,327,324 91,386,527 829,5675,091 899,708,532 881,327,324 91,386,527 820,635,454 802,075,681 9,998,822,077	Medium & Large Details - Deliveries in kWh:														35
739,542,416 723,492,779 716,290,337 714,398,097 738,746,887 773,852,170 830,532,471 815,234,755 878,846,228 794,379,691 733,309,323 9,217,117,035 64,003,143 62,864,307 69,023,724 61,178,600 68,307,263 65,975,228 771,005,238 775,707,508 804,427,595 835,839,811 899,708,532 881,327,324 51,386,527 838,675,091 829,663,454 802,075,681 9,998,822,077	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
O4.411,800 25,627,023 51,70,504 38,483,966 62,764,832 58,535,579 66,003,143 62,864,307 69,023,724 61,178,600 68,307,263 65,975,228 745,423,968 Total 806,963,765 771,005,238 771,005,238 775,707,508 804,427,595 835,839,811 899,708,532 881,327,324 951,386,527 828,675,091 829,663,454 802,075,681 9,998,822,077	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	794,379,691	758,471,881	733,309,323	9,217,117,035	37
899,708,532 881,327,324 951,386,527 826,647,5091 829,063,454 802,075,681 9,998,822,077	_	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
	1 otal	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

San Diego Gas & Electric Company 2016 TRBAA-TACBAA Filing

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

APPENDIX - I

SDG&E's Transmission Revenue Requirement Annual TRBAA Rate Filing Per Docket No. ER16-____-000 Effective January 1, 2016

- 1. <u>Wholesale Customers:</u> For purposes of the CAISO's calculation of Transmission Access Charges:
 - a. The Wholesale Transmission Revenue Requirement shall be \$768,463,683 ¹, which is equal to the Wholesale Base Transmission Revenue Requirement of \$795,496,000, reduced by the Wholesale TRBAA of \$15,936,253 and reduced by Standby Transmission Revenue of \$11,096,064.
 - b. The High Voltage Transmission Revenue Requirement shall be \$469,609,354.
 - c. The Low Voltage Transmission Revenue Requirement shall be \$298,854,329.
 - d. Gross Load consistent with the High Voltage Transmission Revenue Requirement shall be 20,824,991 megawatt hours.
- 2. <u>Effective Date:</u> The amounts in (1) shall be effective January 1, 2016, or until amended by the Participating TO or modified by FERC.

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

BTRR TO4-Cycle 3 Informational Filing Docket ER16-445-000	=\$795,496,000
TRBAA per FERC Order in Docket ER16000	= (15,936,253)
Standby Revenues TO4-Cycle 3 Informational Filing ER16-445-000	= (11,096,064)
TOTAL	= \$768,463,683

NOTE (2): The Appendix-I HV-TRR information contains the Wholesale HV-BTRR and HV-Standby Revenues from the Informational Filing in FERC Docket No. ER16-445-000 filed on December 1, 2015. The Wholesale TRBAA for the 2016 calendar year rate effective period comes from the instant TRBAA filing.

San Diego Gas & Electric Company 2016 TRBAA-TACBAA Filing

Attachment – F Attestation Form

ATTESTATION RE SAN DIEGO GAS & ELECTRIC'S 2016 ANNUAL TRBAA AND TACBAA RATE REVISIONS (18 CFR § 35.13 (d)(7))

Electric ("SDG&E") and Southern Californ belief, the cost of service statements and	hief Administrative Officer of San Diego Gas & ia Gas ("SCG"), and to the best of my knowledge and supporting data submitted as part of this filing are s of SDG&E's books and other corporate documents.
December 17, 2015	Lee Schavrien

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 17, 2015 before me, <u>Annie V. Ruiz, a Notary Public</u>, personally appeared <u>Lee Schavrien</u>, 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.

Annie V. Ruiz, Notary Public