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April 8, 2016

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

**Re: San Diego Gas & Electric Company, Docket No. ER16-___-000**
**Transmission Owner Tariff Revisions to Appendix VII and Appendix IX**

Dear Secretary Bose:

Pursuant to Section 205 of the Federal Power Act and Sections 35.13 and 385.205 of the Federal Energy Regulatory Commission's ("Commission" or "FERC") regulations,[1] San Diego Gas & Electric Company ("SDG&E") hereby tenders for filing proposed revisions to Appendix IX,[2] pertaining to rate design, and Appendix VII,[3] pertaining to Reliability Services ("RS") of SDG&E's Transmission Owner ("TO") Tariff, FERC Electric Tariff Volume No. 11 ("Filing"). The proposed revisions add a new Medium & Large Commercial/Industrial class rate associated with the Electric Vehicle-Grid Integration ("VGI") Pilot Program that the California Public Utilities Commission ("CPUC") adopted in Decision ("D.") 16-01-045.[4] SDG&E requests that this Filing be permitted to take effect on June 7, 2016.

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1 18 C.F.R. §§ 35.13 and 385.205.

2 Appendix IX of SDG&E's TO Tariff is entitled "Determination of SDG&E's End Use Customer Class Transmission Charges, Low Voltage Access Charge, and High Voltage Utility-Specific Rate, and Allocation of BTRR Applicable to High Voltage and Low Voltage Transmission Facilities."

3 Appendix VII of SDG&E's TO Tariff is entitled "Reliability Must-Run Charges for End-Users."

4 D.16-01-045, 2016 Cal. PUC LEXIS 67 (2016).

# I. SUMMARY OF PROPOSED NATURE AND PURPOSE OF FILING

## A. Background

As discussed more fully in the Prepared Direct Testimony of Cynthia Fang, the purpose of this Filing is to incorporate in SDG&E's TO Tariff, rate design changes and related VGI rate associated with VGI Pilot Program that the CPUC recently adopted in D.16-01-045.

Specifically, Ordering Paragraph 3.a. of D.16-01-045 summarizes the VGI Pilot Program, also referred to as the "alternative VGI program" as follows**:**

> The alternative VGI program terms authorizes and approves a $45 million start-up budget, plus cost recovery through future general rate case proceedings for justified capital and operations and maintenance expenses, for [SDG&E] to implement the "2016 Vehicle VGI Pilot Program," which is patterned after the Proposed Settlement, with the additional modifications made by this decision. These additional modifications include targeting 350 electric vehicle (EV) site installations (with a minimum of 300), and targeting 3,500 EV charging stations (with a minimum of 3,000), over a three year target sign-up period. Sign-ups may extend beyond three years budget permitting, and the installation period shall extend one additional year after the sign-up period.

Ordering Paragraph 3.c. of D.16-01-045 provides that if SDG&E elects to implement the 2016 VGI Pilot Program, "SDG&E shall within 30 days of its letter of acceptance, file a Tier 2 advice letter establishing the 2016 VGI Pilot Program, and the pricing formula that goes into calculating the VGI rate."

SDG&E accepted the alternative VGI program terms on March 1, 2016 by letter to the Executive Director and filed Advice Letter 2868-E establishing the Vehicle Grid Integration Balancing Account on March 2, 2016. On March 31, 2016, SDG&E filed Advice Letter 2877-E containing Schedule VGI, Electric Vehicle-Grid Integration Pilot Program, setting forth pricing formula for calculating the VGI Rate,[5] and requesting an effective date of April 30, 2016.

[5] In Advice Letter 2877-E, SDG&E described the VGI Rate as an hourly, dynamic rate that includes: (1) an hourly Base Rate; (2) an hourly Commodity Base Rate with an adjustment based on the California Independent System Operator ("CAISO") day-ahead hourly price, an adder to reflect the system's top 150 system peak hours; (3) an hourly Distribution Base Rate with an adder to reflect the top 200 annual hours of peak demand for the individual circuit feeding the VGI charging stations; and (4) an hourly credit to encourage charging during CAISO surplus energy events.

This Filing proposes revisions to Appendices VII and IX solely to implement the VGI Pilot Program, consistent with the CPUC's directives.[6] As discussed in the Testimony of Cynthia Fang (Exhibit No. SDG-1), the proposed VGI Pilot volumetric rates are based on and derived from SDG&E's currently-effective Medium & Large Commercial/Industrial customer class average rate.

### B. Proposed Revisions to Appendix VII

"Summary of Reliability Services Retail Transmission Rates" – is revised by adding:

- "Vehicle Grid Integration Rate (3)" to the Medium & Large Commercial/Industrial class under the Customer Classes column;
- The rate of "0.00011" to "Transmission Level Energy Rates $/kWh" (Column (A));
- Footnote (3), defining the Vehicle Grid Integration Rate as, "Volumetric rate applied to customer participants on the Vehicle Grid Integration Pilot Program."

### C. Proposed Revisions to Appendix IX

Section I.B., "Derivation of SDG&E's End-Use Customer Transmission Rates," is revised by adding language to subsection 3.c. – Medium & Large Commercial/Industrial- - specifying that the VGI rate is based on forecasted metered energy (kWh):

> "For the rate applicable to the Vehicle Grid Integration Pilot, forecasted metered energy (kWh) shall be used for the Rate Effective Period;"

## II. LIST OF DOCUMENTS SUBMITTED

This Filing consists of the following documents:

1. Cover letter
2. Attachment A – Redlined Appendix VII and Appendix IX;
3. Attachment B – Clean Appendix VII and Appendix IX;

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[6] The Commission has previously accepted SDG&E's proposed Tariff revisions to implement CPUC directives. *See, e.g.,* Letter Orders issued on: November 19, 2008 (Docket No. ER08-1560-000), March 4, 2009 (Docket No. ER09-295-000) and November 26, 2014 (Docket No. ER14-2748-000).

4. Attachment C – Prepared Direct Testimony of Cynthia Fang on Behalf of San Diego Gas & Electric Company (Exhibit No. SDG-1);

5. Attachment D – Statement BL[7] for VGI Transmission rate;

6. Attachment E – Statement BL[8] for VGI RS rate.

## III. WAIVER

SDG&E respectfully requests any waiver deemed necessary, including of the annual filing requirement set forth in section 4 of SDG&E's Reliability Services Rate Schedule (Appendix VI of SDG&E's TO Tariff), to permit the proposed VGI rate design changes and related VGI rates to take effect at this time. The proposed revisions are limited solely to implementing the CPUC-approved VGI Pilot Program. The proposed revisions do not affect any other currently-effective Transmission rates, RS rates or Base Transmission Revenue Requirements.[9] No customers, other than the VGI customers, will be affected by the proposed revisions. There are no incremental Transmission or RS revenues for VGI at this time because SDG&E currently does not have VGI customers on VGI. Accordingly, only Statement BL reflects changes associated with adding the VGI Transmission rate VGI RS rate to the Medium & Large Commercial/Industrial customer class. No VGI revenues would affect Statements BG and BH because SDG&E does not have VGI customers. Therefore, Statements BG and BH are not included in this Filing.

For the reasons set forth above, and in the Testimony of Cynthia Fang (Exhibit No. SDG-1), SDG&E respectfully requests the Commission to find that good cause exists to grant waiver of Appendix VI of SDG&E's TO Tariff, and any other waivers deemed necessary, to permit the Filing to become effective June 7, 2016, as proposed.

## IV. WAIVER OF OTHER FILING REQUIREMENTS

SDG&E believes that the data contained in this filing provide sufficient information to permit the Commission to accept this filing. To the extent the Commission deems it necessary, however, SDG&E requests waiver of the filing requirements contained in Part 35 of the Commission's regulations to permit this Filing to be made effective, as proposed.

SDG&E believes this Filing conforms to any rule of general applicability and to any FERC order specifically applicable to SDG&E. SDG&E has made copies of this letter and all

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[7] Only Statement BL is revised to reflect the addition of the VGI Transmission rate.

[8] Only Statement BL is revised to reflect the addition of the VGI RS rate.

[9] The Commission accepted SDG&E's TO4 Cycle 3 Informational Filing, effective January 1, 2016, in an order issued March 17, 2016 in Docket No. ER16-445 (154 FERC ¶ 61,213 (2016)), and SDG&E's RS Filing, effective January 1, 2016, by letter order issued February 10, 2016 (Docket No. ER16-546 (2016).

enclosures available for public inspection in SDG&E's principal office located at 8330 Century Park Court, San Diego, California, 92123.

## V. SERVICE

In addition to having 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 served copies of this Filing on parties on the official service list in Docket No. ER13-941, the CPUC and the California Independent System Operator.

## VI. COMMUNICATIONS

Correspondence and other communications concerning this Informational Filing should be addressed to:[10]

Georgetta J. Baker
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8330 Century Park Court, CP32D
San Diego, CA 92123
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jstein@semprautilities.com

[10] SDG&E requests waiver of Rule 203(b)(3) to the extent necessary to permit each of the individuals identified above to be placed on the Commission's official service list in this proceeding.

## VIII. CONCLUSION

Accordingly, SDG&E respectfully requests that the Commission accept its proposed modifications to Appendix VII and Appendix IX of SDG&E's TO Electric Tariff, effective June 7, 2016, as proposed.

Respectfully submitted,

*/s/ Georgetta J. Baker*
Georgetta J. Baker
Attorney for
San Diego Gas & Electric Company

Attachment A

# San Diego Gas & Electric Company

# RED LINE
# Appendix VII, Appendix IX

## APPENDIX VII

## Reliability Must-Run Charges for End Users[1]

## [SEE ATTACHED]

[1] These charges represent the rates for recovery of the RMR revenue requirement.

### Summary of Reliability Services Retail Transmission Rates

| Line No. | Customer Classes | (A) Transmission Level Energy Rates $/kWh | (B) Transmission Level Demand Rates $/kW-Mo | (C) Primary Level Demand Rates $/kW-Mo | (D) Secondary Level Demand Rates $/kW-Mo | Line No. |
|---|---|---|---|---|---|---|
| 1 | Residential | 0.00013 | | | | 1 |
| 2 | | | | | | 2 |
| 3 | Small Commercial | 0.00014 | | | | 3 |
| 4 | | | | | | 4 |
| 5 | Medium & Large Commercial/Industrial (1) | 0.00001 | 0.04 | 0.04 | 0.04 | 5 |
| 6 | Vehicle Grid Integration (3) | 0.00011 | | | | 6 |
| 7~~6~~ | | | | | | 7~~6~~ |
| 8~~7~~ | Agricultural | | | | | 8~~7~~ |
| 9~~8~~ | Schedules PA and TOU-PA | 0.00007 | | | | 9~~8~~ |
| 10~~9~~ | Schedules PA-T-1(1) | 0.00001 | 0.02 | 0.02 | 0.02 | 10~~9~~ |
| 11~~10~~ | | | | | | 11~~10~~ |
| 12~~11~~ | Street Lighting | 0.00010 | | | | 12~~11~~ |
| 13~~12~~ | | | | | | 13~~12~~ |
| 14~~13~~ | Standby Rate (2) | | 0.02 | 0.02 | 0.02 | 14~~13~~ |

### 2016 Service Year

(1) Demand rate applied to customers monthly maximum demand.

(2) Demand rate applied to standby customers contract demand.

(3) Volumetric rate applied to customer participants on the Vehicle Grid Integration Pilot Program.

**Wholesale RS Rate**

| | $/kWh |
|---|---|
| **Wholesale RS rate** | **0.00012** |

# APPENDIX IX

## DETERMINATION OF SDG&E'S END USE CUSTOMER CLASS TRANSMISSION CHARGES, LOW VOLTAGE ACCESS CHARGE, AND HIGH VOLTAGE UTILITY-SPECIFIC RATE, AND ALLOCATION OF BTRR APPLICABLE TO HIGH VOLTAGE AND LOW VOLTAGE TRANSMISSION FACILITIES

## I. INTRODUCTION

This Appendix IX describes the method by which SDG&E:

1. allocates Base Transmission Revenue Requirements (as determined in Appendix VIII) to End Use Customer classes, and designs transmission rates applicable to such End Use Customer classes assessed by SDG&E pursuant to this Transmission Owner (TO) Tariff;
2. allocates Base Transmission Revenue Requirements (as determined in Appendix VIII) applicable to High Voltage Transmission Facilities and Low Voltage Transmission Facilities for purposes of designing voltage-differentiated Wheeling Access Charges assessed pursuant to the ISO Tariff;
3. calculates the applicable Low Voltage Access Charge to be assessed pursuant to SDG&E's TO Tariff; and
4. calculates a High Voltage Utility-Specific Rate.

SDG&E shall provide the California Independent System Operator Corporation (CAISO or ISO) its determination of the High Voltage Utility-Specific Rate, as updated annually pursuant to the formula rate contained in Appendix VIII of this TO Tariff, for use by the ISO to calculate the High Voltage Wheeling Access Charge assessed by the ISO pursuant to the ISO Tariff. SDG&E shall also provide the ISO SDG&E's determination of the Low Voltage Wheeling Access Charge that is assessed by the ISO pursuant to the ISO Tariff.

### A. END-USE CUSTOMER CLASSES FOR TRANSMISSION SERVICE:

The following applies only to End-Use Customers that receive transmission service over the ISO Controlled Grid through SDG&E's transmission or distribution facilities. End-Use Customers

shall take service under the following rate designations:

Residential

Small Commercial

Medium and Large Commercial/Industrial

Agricultural

Street Lighting

Stand-by Service

Rates applicable to the current Rate Effective Period shall be posted on SDG&E's OASIS, which can be accessed at www.sdge.com\toforum. The rates are also accessible through a link to SDG&E's web page that is located at the CAISO OASIS at www.caiso.com.

**B. DERIVATION OF SDG&E'S END-USE CUSTOMER TRANSMISSION RATES:**

The transmission rate components of SDG&E's End-Use Customer rates are determined as follows:

1. Allocate the Base Transmission Revenue Requirements applicable to End Use Customers (BTRREU) under the TO Tariff as calculated pursuant to the formula rate contained in Appendix VIII of SDG&E's TO Tariff among End-Use Customer rate classes based upon the most recent 5-year coincident peak data averaged by month to derive the 12-month average coincident peak data adjusted to reflect distribution losses to the transmission level.

2. To mitigate the impact of rate increases to Street Lighting and Stand-by Service classes, the rates effective October 1, 2003, for these customer classes shall be limited to a 100% rate increase under the otherwise applicable rate design. Beginning with rates that become effective July 1, 2004, SDG&E shall design transmission rates applicable to Street Lighting and Stand-by Service classes based on total cost of service without such mitigation measures. The revenue requirement under-recovery attributable to this mitigation measure that occurs

during the first Rate Effective Period shall be allocated among other customer classes in proportion to these classes' respective contribution to SDG&E's 12-month average coincident peak excluding the contribution to such coincident peak from Street Lighting and Stand-by Service classes.

3. Divide the results of the allocation described paragraph "1", as adjusted by paragraph "2" above, by the appropriate forecast End Use Customer billing determinants applicable to the Rate Effective Period to determine the transmission prices for the respective End Use Customer classes. End Use Customer classes shall be determined in accordance with SDG&E's CPUC tariffs. The billing determinants used to design transmission rates applicable to End Use Customer classes shall be as follows:

   a. Residential – forecast metered energy (kWh) for the Rate Effective Period;

   b. Small Commercial– forecast metered energy (kWh) for the Rate Effective Period;

   c. Medium and Large Commercial/Industrial – forecast metered maximum non coincident peak demand (kW), forecast metered maximum monthly demand, forecast seasonally differentiated peak period demands (kW), and forecast seasonally differentiated monthly coincident peak demands (kW), with seasons, as determined in accordance with SDG&E's CPUC Tariff, for the Rate Effective Period. For the rate applicable to the Vehicle Grid Integration Pilot, forecasted metered energy (kWh) shall be used for the Rate Effective Period;

   d. Agricultural – forecast metered (kWh) for tariff for the Rate Effective Period for all applicable tariffs except tariff PA-T-1; for tariff PA-T-1 forecast metered maximum non coincident demand (kW) for the Rate Effective Period; and

   e. Street Lighting – forecast energy (kWh) used by all lamps in service for the

Rate Effective Period;

Stand-by Service – contract demands (kW) applicable to Stand-by Service for the Rate Effective Period.

For the Medium and Large Commercial/Industrial class of customers, a portion of the allocated revenue requirement shall be recovered through a maximum non coincident demand charge and the remaining portion of the allocated revenue requirement shall be recovered through either a seasonally-differentiated peak period demand charge (*e.g.*, 11:00 a.m. to 6:00 p.m. summer and 5:00 p.m. to 8:00 p.m. winter) or a seasonally-differentiated coincident peak demand charge. The rate design methodology is delineated below in paragraph "4".

4. The rate design for the recovery of allocated revenue requirements for the Medium and Large Commercial/Industrial Class is as follows:

   a. For Rate Schedule AD, the maximum non-coincident demand charge shall be determined as the revenue requirement allocated to the Medium and Large Commercial/Industrial Class described in paragraph "1", as adjusted by paragraph "2" above, divided by the forecast metered maximum non coincident peak demand (kW) for the Rate Effective Period.

   b. For the Rate Schedules listed below,[1] the maximum non-coincident demand charge, described in paragraph "4.a" above, shall be reduced by 10%.

   c. For Rate Schedules AY-TOU, AL-TOU, and DG-R the residual 10% of revenue referenced in paragraph "4.b" above shall be recovered through a seasonally-differentiated peak period demand charge.

[1] The maximum non-coincident demand charge is being reduced by 10 percent for: Schedules AY-TOU, AL-TOU, DG-R and A6-TOU. All of SDG&E's currently-effective rate schedules are available at the following website: http://www.sdge.com/regulatory/currentEffectiveTariffs.shtml

d. For Rate Schedule A6-TOU, the residual 10% of revenue referenced in paragraph "4.b" above shall be recovered through a seasonally-differentiated coincident peak demand charge.

**C. ALLOCATION OF SDG&E'S BASE TRANSMISSION REVENUE REQUIREMENTS AND DERIVATION OF UTILITY SPECIFIC HIGH VOLTAGE TRANSMISSION RATE AND LOW VOLTAGE RATES APPLICABLE TO LOW VOLTAGE WHEELING ACCESS CHARGE:**

1. The Base Transmission Revenue Requirements applicable to Wheeling Access Charges pursuant to the ISO Tariff (hereinafter referred to as the "$BTRR_{ISO}$") shall be allocated among the following:

   a) High Voltage (HV) Transmission Facilities

   b) Low Voltage (LV) Transmission Facilities

   The Transmission Revenue Balancing Account Adjustment (TRBAA) shall be allocated between High Voltage and Low Voltage Transmission.

2. The HV Utility Specific transmission rate shall be derived by taking the High Voltage Transmission Revenue Requirements ("HVTRR") and dividing it by SDG&E's total retail forecast kWh billing determinants (adjusted for distribution losses) applicable during the Rate Effective Period.

3. SDG&E's Low Voltage Access Charge and Low Voltage Wheeling Access Charge shall be derived by taking the Low Voltage Transmission Revenue Requirements ("LVTRR") and dividing it by SDG&E's Gross Load forecast applicable during the Rate Effective Period.

# San Diego Gas & Electric Company

# BLACKLINE
# Appendix VII, Appendix IX

## APPENDIX VII

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## [SEE ATTACHED]

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| 4 | | | | | | 4 |
| 5 | Medium & Large Commercial/Industrial (1) | 0.00001 | 0.04 | 0.04 | 0.04 | 5 |
| 6 | Vehicle Grid Integration (3) | 0.00011 | | | | 6 |
| 7 | | | | | | 7 |
| 8 | Agricultural | | | | | 8 |
| 9 | Schedules PA and TOU-PA | 0.00007 | | | | 9 |
| 10 | Schedules PA-T-1(1) | 0.00001 | 0.02 | 0.02 | 0.02 | 10 |
| 11 | | | | | | 11 |
| 12 | Street Lighting | 0.00010 | | | | 12 |
| 13 | | | | | | 13 |
| 14 | Standby Rate (2) | | 0.02 | 0.02 | 0.02 | 14 |

### 2016 Service Year

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(2) Demand rate applied to standby customers contract demand.

(3) Volumetric rate applied to customer participants on the Vehicle Grid Integration Pilot Program.

**Wholesale RS Rate**

| | $/kWh |
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2. allocates Base Transmission Revenue Requirements (as determined in Appendix VIII) applicable to High Voltage Transmission Facilities and Low Voltage Transmission Facilities for purposes of designing voltage-differentiated Wheeling Access Charges assessed pursuant to the ISO Tariff;
3. calculates the applicable Low Voltage Access Charge to be assessed pursuant to SDG&E's TO Tariff; and
4. calculates a High Voltage Utility-Specific Rate.

SDG&E shall provide the California Independent System Operator Corporation (CAISO or ISO) its determination of the High Voltage Utility-Specific Rate, as updated annually pursuant to the formula rate contained in Appendix VIII of this TO Tariff, for use by the ISO to calculate the High Voltage Wheeling Access Charge assessed by the ISO pursuant to the ISO Tariff. SDG&E shall also provide the ISO SDG&E's determination of the Low Voltage Wheeling Access Charge that is assessed by the ISO pursuant to the ISO Tariff.

### A. END-USE CUSTOMER CLASSES FOR TRANSMISSION SERVICE:

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**B. DERIVATION OF SDG&E'S END-USE CUSTOMER TRANSMISSION RATES:**

The transmission rate components of SDG&E's End-Use Customer rates are determined as follows:

1. Allocate the Base Transmission Revenue Requirements applicable to End Use Customers (BTRREU) under the TO Tariff as calculated pursuant to the formula rate contained in Appendix VIII of SDG&E's TO Tariff among End-Use Customer rate classes based upon the most recent 5-year coincident peak data averaged by month to derive the 12-month average coincident peak data adjusted to reflect distribution losses to the transmission level.

2. To mitigate the impact of rate increases to Street Lighting and Stand-by Service classes, the rates effective October 1, 2003, for these customer classes shall be limited to a 100% rate increase under the otherwise applicable rate design. Beginning with rates that become effective July 1, 2004, SDG&E shall design transmission rates applicable to Street Lighting and Stand-by Service classes based on total cost of service without such mitigation measures. The revenue requirement under-recovery attributable to this mitigation measure that occurs

during the first Rate Effective Period shall be allocated among other customer classes in proportion to these classes' respective contribution to SDG&E's 12-month average coincident peak excluding the contribution to such coincident peak from Street Lighting and Stand-by Service classes.

3. Divide the results of the allocation described paragraph "1", as adjusted by paragraph "2" above, by the appropriate forecast End Use Customer billing determinants applicable to the Rate Effective Period to determine the transmission prices for the respective End Use Customer classes. End Use Customer classes shall be determined in accordance with SDG&E's CPUC tariffs. The billing determinants used to design transmission rates applicable to End Use Customer classes shall be as follows:

   a. Residential – forecast metered energy (kWh) for the Rate Effective Period;

   b. Small Commercial– forecast metered energy (kWh) for the Rate Effective Period;

   c. Medium and Large Commercial/Industrial – forecast metered maximum non coincident peak demand (kW), forecast metered maximum monthly demand, forecast seasonally differentiated peak period demands (kW), and forecast seasonally differentiated monthly coincident peak demands (kW), with seasons, as determined in accordance with SDG&E's CPUC Tariff, for the Rate Effective Period. For the rate applicable to the Vehicle Grid Integration Pilot, forecasted metered energy (kWh) shall be used for the Rate Effective Period;

   d. Agricultural – forecast metered (kWh) for tariff for the Rate Effective Period for all applicable tariffs except tariff PA-T-1; for tariff PA-T-1 forecast metered maximum non coincident demand (kW) for the Rate Effective Period; and

   e. Street Lighting – forecast energy (kWh) used by all lamps in service for the

Rate Effective Period;

Stand-by Service – contract demands (kW) applicable to Stand-by Service for the Rate Effective Period.

For the Medium and Large Commercial/Industrial class of customers, a portion of the allocated revenue requirement shall be recovered through a maximum non coincident demand charge and the remaining portion of the allocated revenue requirement shall be recovered through either a seasonally-differentiated peak period demand charge (*e.g.*, 11:00 a.m. to 6:00 p.m. summer and 5:00 p.m. to 8:00 p.m. winter) or a seasonally-differentiated coincident peak demand charge. The rate design methodology is delineated below in paragraph "4".

4. The rate design for the recovery of allocated revenue requirements for the Medium and Large Commercial/Industrial Class is as follows:

   a. For Rate Schedule AD, the maximum non-coincident demand charge shall be determined as the revenue requirement allocated to the Medium and Large Commercial/Industrial Class described in paragraph "1", as adjusted by paragraph "2" above, divided by the forecast metered maximum non coincident peak demand (kW) for the Rate Effective Period.

   b. For the Rate Schedules listed below,[1] the maximum non-coincident demand charge, described in paragraph "4.a" above, shall be reduced by 10%.

   c. For Rate Schedules AY-TOU, AL-TOU, and DG-R the residual 10% of revenue referenced in paragraph "4.b" above shall be recovered through a seasonally-differentiated peak period demand charge.

[1] The maximum non-coincident demand charge is being reduced by 10 percent for: Schedules AY-TOU, AL-TOU, DG-R and A6-TOU. All of SDG&E's currently-effective rate schedules are available at the following website: http://www.sdge.com/regulatory/currentEffectiveTariffs.shtml

d. For Rate Schedule A6-TOU, the residual 10% of revenue referenced in paragraph "4.b" above shall be recovered through a seasonally-differentiated coincident peak demand charge.

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   a) High Voltage (HV) Transmission Facilities

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   The Transmission Revenue Balancing Account Adjustment (TRBAA) shall be allocated between High Voltage and Low Voltage Transmission.

2. The HV Utility Specific transmission rate shall be derived by taking the High Voltage Transmission Revenue Requirements ("HVTRR") and dividing it by SDG&E's total retail forecast kWh billing determinants (adjusted for distribution losses) applicable during the Rate Effective Period.

3. SDG&E's Low Voltage Access Charge and Low Voltage Wheeling Access Charge shall be derived by taking the Low Voltage Transmission Revenue Requirements ("LVTRR") and dividing it by SDG&E's Gross Load forecast applicable during the Rate Effective Period.

# San Diego Gas & Electric Company

# ATTACHMENT C
# (EXHIBIT NO. SDG-1)

# Prepared Direct Testimony of

# Cynthia Fang on Behalf of
# San Diego Gas & Electric Company

Docket No. ER16-___-000
Exhibit No. SDG-1

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

**San Diego Gas & Electric Company)** **Docket No. ER16-___-000**

## PREPARED DIRECT TESTIMONY OF

## CYNTHIA FANG

## ON BEHALF OF

## SAN DIEGO GAS & ELECTRIC COMPANY

# PREPARED DIRECT TESTIMONY OF
# CYNTHIA FANG
# ON BEHALF OF
# SAN DIEGO GAS & ELECTRIC COMPANY

**Q1. Please state your name, position and place of employment.**

A1. My name is Cynthia Fang, and I am the Rate Strategy and Analysis Manager in the Customer Pricing department for San Diego Gas & Electric Company ("SDG&E"). My business address is 8330 Century Park Court, San Diego, CA 92123-1530.

**Q2. Please summarize your education.**

A2. In 1993, I graduated from the University of California at Berkeley with a Bachelor of Science in Political Economics of Natural Resources. I also attended the University of Minnesota where I completed all coursework required for a Ph.D. in Applied Economics.

**Q3. Please describe your current responsibilities as well as prior work experience before coming to SDG&E.**

A3. My primary responsibilities include overseeing the electric load analysis, electric demand forecasting and electric rate strategy for SDG&E as well as the development of cost-of-service studies, determination of revenue allocation and electric rate design methods, analysis of ratemaking theories, and preparation of various regulatory filings. I began work at SDG&E in May 2006 as a Regulatory Economic Advisor and have held positions of increasing responsibility in the Electric Rate Design group. Prior to joining SDG&E, I was employed by the Minnesota Department of Commerce, Energy Division, as a Public Utilities Rates Analyst from 2003 through May 2006.

I have previously submitted testimony and testified before the California Public Utilities Commission ("CPUC") and submitted testimony before the Federal Energy Regulatory Commission ("Commission" or "FERC") regarding SDG&E's electric rate design and other regulatory proceedings. In addition, I have previously submitted testimony and testified before the Minnesota Public Utilities Commission on numerous rate and policy issues applicable to the electric and natural gas utilities.

## I. ORGANIZATION OF TESTIMONY

**Q4. How is your testimony organized?**

A4. My testimony is organized into the following sections:

I. Organization of Testimony;

II. Introduction and Purpose of Testimony;

III. Development of SDG&E's Volumetric Rates for Vehicle Grid Integration ("VGI") Pilot Customers;

IV. Revisions to Appendix VII;

V. Revisions to Appendix IX;

VI. Revisions to Statements to Reflect Inclusion of Rates for VGI Pilot Customers; and

VII. Summary

## II. INTRODUCTION AND PURPOSE OF TESTIMONY

**Q5. What is the purpose of your testimony?**

A5. The purpose of my testimony is to present proposed volumetric Transmission and Reliability Services ("RS") rate for use by participants in SDG&E's VGI Pilot Program, recently approved by the CPUC in Decision (D.) 16-01-045. My testimony also presents proposed conforming revisions to SDG&E FERC Electric Tariff, Volume 11, Appendix VII ("Appendix VII") and Appendix IX ("Appendix IX"). Specifically my testimony proposes the following:

1) Volumetric rate for the recovery of Transmission and RS costs, consistent with the recently CPUC-approved VGI Pilot Program;

2) Conforming revisions to Appendix VII and Appendix IX; and

3) Revisions to the Statement BL included and accepted in Docket No. ER16-445 (Transmission) and the Statement BL included and accepted in Docket No. ER16-546 (RS) to reflect the inclusion of Transmission and RS rates for participants on SDG&E's VGI Pilot Program.

## III. DEVELOPMENT OF SDG&E'S VOLUMETRIC RATES FOR VGI PILOT CUSTOMERS

### A. Development of VGI Pilot Volumetric Rates

**Q6. Please describe how the VGI Pilot Volumetric rates were developed in the instant filing.**

A6. Consistent with the CPUC approval in D.16-01-045, the Medium & Large Commercial/Industrial ("M/L C&I") class average rate provides the basis for the VGI Pilot volumetric rates. As such the VGI Pilot volumetric rates, found in Statement BL, Page 1 (Attachment D for Transmission rates, reflecting a rate of $0.03195 kWh and Attachment E for RS rates, reflecting a rate of $0.00011/kWh, were developed by simply dividing the M/L C&I class allocated revenues by the class's Billing Determinants. This produces a straightforward energy rate, which SDG&E proposes to use as a means of recovering Transmission and RS costs from participants on the VGI Pilot Program.

### B. Allocation of Costs to SDG&E's Retail Customer Classes

**Q7. What statement shows the results of allocating authorized Transmission and RS revenue requirements to each customer class?**

A7. Statement BL deals with customer class cost allocations. However, SDG&E does not propose any changes to the methodology used to allocate Transmission or RS costs to each customer class with this proposed volumetric rate for participants on the VGI Pilot Program. Statement BL, page 3, in Attachment D, shows the amount of authorized Transmission revenues allocated to each customer class. Statement BL, page 5, in Attachment E shows the amount of authorized RS revenues allocated to each customer class. These allocations have not changed for any customer class as a result of the calculation of the VGI Pilot Transmission and RS rates because VGI currently does have any customers.

### C. Rate Design Change

**Q8. Is SDG&E proposing any rate design changes in this proceeding?**

A8. Yes, SDG&E is proposing one rate design change. Specifically, SDG&E is proposing to include new volumetric Transmission and RS rates that would be available only to participants on the VGI Pilot Program. No other rate design changes are being proposed in this proceeding.

**Q9. Please describe the rate classes that are affected by SDG&E's proposal to create new VGI Pilot Transmission and RS rates.**

A9. The only customers impacted by the inclusion of the new VGI Pilot rates will be the VGI Pilot customers.

**D. VGI Pilot Customer Rate Design and Customer Rate Increase Impacts**

**Q10. How does SDG&E propose to design the rates related to the VGI Pilot?**

A10. With the exception of adding the VGI Pilot volumetric rates, as explained above, SDG&E is proposing no additional changes to its currently-effective (a) Transmission rates that the Commission approved in Docket No. ER16-445 on March 17, 2016, effective January 1, 2016, or (b) RS rates that the Commission approved in Docket No. ER16-546 on February 10, 2016, effective January 1, 2016.

**Q11. What are the proposed retail and wholesale rates, by rate class that SDG&E is seeking approval in the instant filing?**

A11. SDG&E is seeking approval solely for the VGI rate for the retail Transmission and RS rates. Specifically, Attachment D, Statement BL, page 1, line 17 shows the VGI rate for Transmission rates and Attachment E, Statement BL, page 1, line 6 shows the VGI rate for RS rates. As noted, the remaining Transmission and RS rates are unchanged. SDG&E is proposing no changes to wholesale rates.

**Q12. In deriving the VGI volumetric rate, did you recognize the fact that customers can be served at different voltage levels?**

A12. No. VGI customers will only receive electric services at the secondary level at the meter pedestal and charging stations. Therefore, SDG&E did not calculate different rates by voltage level.

**IV. REVISIONS TO APPENDIX VII**

**Q13. Are you proposing any revisions to SDG&E Appendix VII?**

A13. Yes. I am proposing the following tariff sheet revision to SDG&E Appendix VII.

- Appendix VII – Added the "Vehicle Grid Integration" rate, a volumetric RS rate, to the table as a subset of the M/L C&I class.

**Q14. Are you including complete Appendix VII at this time to incorporate these revisions?**

A14. Yes, Attachment A provides a redline version of Appendix VII and Attachment B provides a clean version of Appendix VII that reflect the revisions discussed above.

## V. REVISION TO APPENDIX IX

**Q15. Are you proposing any revisions to SDG&E Rate Design, set forth in Appendix IX?**

A15. Yes. I am proposing a revision to Section I.B.3.c. of Appendix IX.

**Q16. What is the revision and why are you proposing it?**

A16. Section I.B.3. lists the End-Use Customer classes taking Transmission service from SDG&E while also providing details on the determinants used to develop Transmission rates for each class. Subsection I.B.3.c. pertains to the Medium and Large Commercial/Industrial customer class. SDG&E proposes to add the following sentence to the Medium and Large Commercial/Industrial class in Section B.3.c. to clarify that the VGI rate is based on forecasted metered energy (kWh):

> "For the rate applicable to the Vehicle Grid Integration Pilot, forecasted metered energy (kWh) shall be used for the Rate Effective Period;"

**Q17. Are you including a complete Appendix IX at this time to incorporate all conforming and substantive revisions?**

A17. Yes. Attachment A contains a redline version of Appendix IX and Attachment B contains a clean version of Appendix IX, reflecting the revision to Section I.B.3.c., as discussed above.

## VI. REVISIONS TO STATEMENTS TO REFLECT INCLUSION OF RATES FOR VGI PILOT CUSTOMERS

**Q18. Please describe the revisions made to Statements BL, BG, and BH presented in Attachment D for Transmission rates and Attachment E for RS rates.**

A18. Attachment D presents revisions to Statement BL for Transmission rates and Attachment E presents revisions to Statement BL for RS rates. As described above, Statement BL is revised to reflect the inclusion of rates for VGI Pilot customers.

**Q19. Were there any revisions made to the Statements BG or BH?**

A19. No. The Statements BG and BH SDG&E presented in Docket Nos. ER16-445 and ER16-546 for Transmission and RS rates, respectively, are unchanged. These Statements do not change from the introduction of VGI Pilot rates at this time because SDG&E currently does not have customers for the VGI Pilot. Accordingly, because there are no

revenues to present for the VGI Pilot in Statements BG or BH, SDG&E has not included these Statements in this Filing.

**Q20. Are you requesting any waivers in this proceeding?**

A20. Yes. I am requesting a waiver of the annual filing requirement set forth in section 4. of SDG&E's Reliability Services Rate Schedule (Appendix VI of SDG&E's TO Tariff) to permit SDG&E to make this proposed limited revision to the RS Tariff at this time to accommodate the CPUC-approved VGI Pilot Program, and any other waivers the Commission may deem appropriate to permit this Filing to become effective as proposed.

## VII. SUMMARY

**Q21. What is your testimony recommending?**

A21. My testimony recommends that FERC approve SDG&E's VGI Pilot Transmission and RS rates, proposed for SDG&E's VGI Pilot customers only. SDG&E proposes that these new volumetric rates for VGI Pilot customers become effective June 7, 2016, to permit timely implementation of the CPUC-approved VGI Pilot Program.

**Q22. Does this conclude your testimony?**

A22. Yes, it does.

## VERIFICATION

State of California )
County of San Diego )

Cynthia Fang, being first duly sworn, on oath, says that she is the Cynthia Fang, identified in the foregoing Prepared Direct Testimony; that she prepared or caused to be prepared such testimony on behalf of San Diego Gas & Electric Company; that the answers appearing therein are true to the best of her knowledge and her belief; and that if asked the questions appearing therein, her answers would, under oath, be the same.

Cynthia Fang

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

Subscribed and sworn to (or affirmed) before me on this 7 day of April, 2016, by Cynthia Fang, proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

JOYCE RUIZ JEFFERS
COMM. #2095411
NOTARY PUBLIC • CALIFORNIA
SAN DIEGO COUNTY
Commission Expires Jan. 27, 2019

Signature of Notary

(Seal of Notary)

# San Diego Gas & Electric Company

# ATTACHMENT D

# Statement BL for VGI Transmission Rate

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Summary of Transmission Rates
Rate Effective Period - Twelve Months Ending December 31, 2016

| Line No. | Customer Classes | (A) Transmission Energy Rates $/kWh | (B) Transmission Level Demand Rates $/kW-Mo | (C) Primary Level Demand Rates $/kW-Mo | (D) Secondary Level Demand Rates $/kW-Mo | Reference | Line No. |
|---|---|---|---|---|---|---|---|
| 1 | Residential | $ 0.03894 | | | | Statement BL, Page BL-4, Line 7 | 1 |
| 2 | | | | | | | 2 |
| 3 | Small Commercial | $ 0.04028 | | | | Statement BL, Page BL-5, Line 7 | 3 |
| 4 | | | | | | | 4 |
| 5 | Medium & Large Commercial/Industrial | | | | | | 5 |
| 6 | Non-Coincident Demand (100%) [1] | | $ 12.00 | $ 12.13 | $ 12.55 | Statement BL, Page BL-6, Lines 37; 36; 35 | 6 |
| 7 | | | | | | | 7 |
| 8 | Non-Coincident Demand (90%) [2] | | $ 10.80 | $ 10.92 | $ 11.30 | Statement BL, Page BL-7 Lines 9; 8; 7 | 8 |
| 9 | | | | | | | 9 |
| 10 | Maximum On-Peak Period Demand [3] | | | | | | 10 |
| 11 | Summer[5] | | $ 1.94 | $ 1.96 | $ 2.03 | Statement BL, Page BL-9, Lines 41; 40; 39 | 11 |
| 12 | Winter[5] | | $ 0.59 | $ 0.59 | $ 0.61 | Statement BL, Page BL-10, Lines 39; 38; 37 | 12 |
| 13 | | | | | | | 13 |
| 14 | Maximum Demand at the Time of System Peak [4] | | | | | | 14 |
| 15 | Summer[5] | | $ 2.35 | $ 2.37 | $ - | Statement BL, Page BL-11, Lines 42; 41; 40 | 15 |
| 16 | Winter[5] | | $ 0.64 | $ 0.64 | $ - | Statement BL, Page BL-12, Lines 41; 40; 39 | 16 |
| 17 | Vehicle Grid Integration Pilot Program (Schedule VGI) | $ 0.03195 | | | | Statement BL, Page BL-13, Line 7 | 17 |
| 18 | | | | | | | 18 |
| 19 | Agricultural (Schedules PA and TOU-PA) | $ 0.02040 | | | | Statement BL, Page BL-14, Line 7 | 19 |
| 20 | | | | | | | 20 |
| 21 | Agricultural (Schedule PA-T1) [1] | | | | | | 21 |
| 22 | Non-Coincident Demand (100%) | | $ 4.63 | $ 4.68 | $ 4.83 | Statement BL, Page BL-15, Lines 36; 35; 34 | 22 |
| 23 | | | | | | | 23 |
| 24 | Street Lighting | $ 0.02902 | | | | Statement BL, Page BL-16, Line 7 | 24 |
| 25 | | | | | | | 25 |
| 26 | Standby | | $ 5.36 | $ 5.41 | $ 5.61 | Statement BL, Page BL-17, Lines 37; 36; 35 | 26 |

NOTES:

[1] Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1.

[2] NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.

[3] Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.

[4] Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariff: Schedule A6-TOU.

[5] Summer May-Oct; Winter Nov-Apr.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Revenue Data to Reflect Changed Rates
Medium & Large Commercial/Industrial Customers - Summary of Revenues
Rate Effective Period - Twelve Months Ending December 31, 2016

| Line No. | Description | (A) Jan-16 | (B) Feb-16 | (C) Mar-16 | (D) Apr-16 | (E) May-16 | (F) Jun-16 | (G) | Reference [5] | Line No. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Energy: | | | | | | | | | 1 |
| 2 | Commodity Sales (kWh) | 806,963,765 | 782,041,552 | 771,005,238 | 775,707,508 | 804,427,595 | 835,839,811 | | Page BG-6, Line 2 | 2 |
| 3 | Commodity Revenues ($) | $ - | $ - | $ - | $ - | $ - | $ - | | Page BG-6, Line 4 | 3 |
| 4 | | | | | | | | | | 4 |
| 5 | Non-Coincident Demand (100%)[1]: | | | | | | | | | 5 |
| 6 | Demand (kW) | 12,362 | 12,246 | 12,341 | 11,842 | 12,221 | 12,716 | | Page BG-6, Line 10 | 6 |
| 7 | Revenues at Changed Rates ($) | $ 155,080 | $ 153,618 | $ 154,809 | $ 148,555 | $ 153,310 | $ 159,524 | | Page BG-6, Line 24 | 7 |
| 8 | | | | | | | | | | 8 |
| 9 | Non-Coincident Demand (90%) [2]: | | | | | | | | | 9 |
| 10 | Demand (kW) | 2,054,555 | 1,996,441 | 1,970,567 | 1,977,805 | 2,049,370 | 2,134,415 | | Page BG-7, Line 6 | 10 |
| 11 | Revenues at Changed Rates ($) | $ 23,031,646 | $ 22,385,496 | $ 22,097,743 | $ 22,173,982 | $ 22,974,689 | $ 23,932,941 | | Page BG-7, Line 20 | 11 |
| 12 | | | | | | | | | | 12 |
| 13 | Maximum On-Peak | | | | | | | | | 13 |
| 14 | Period Demand [3]: | | | | | | | | | 14 |
| 15 | Demand (kW) | 1,660,318 | 1,624,286 | 1,608,116 | 1,603,868 | 1,822,833 | 1,909,454 | | Page BG-8, Line 6 | 15 |
| 16 | Revenues at Changed Rates ($) | $ 1,006,203 | $ 984,366 | $ 974,567 | $ 971,992 | $ 3,674,777 | $ 3,849,402 | | Page BG-8, Line 20 | 16 |
| 17 | | | | | | | | | | 17 |
| 18 | Maximum Demand | | | | | | | | | 18 |
| 19 | at the Time of System Peak [4]: | | | | | | | | | 19 |
| 20 | Demand (kW) | 89,830 | 77,506 | 72,133 | 81,487 | 91,013 | 85,486 | | Page BG-9, Line 6 | 20 |
| 21 | Revenues at Changed Rates ($) | $ 57,491 | $ 49,604 | $ 46,165 | $ 52,152 | $ 214,157 | $ 201,153 | | Page BG-9, Line 20 | 21 |
| 22 | | | | | | | | | | 22 |
| 23 | Total Revenues at Changed Rates: | $ 24,250,420 | $ 23,573,084 | $ 23,273,284 | $ 23,346,680 | $ 27,016,932 | $ 28,143,020 | | Page BG-9, Line 28 | 23 |

| Line No. | Description | (A) Jul-16 | (B) Aug-16 | (C) Sep-16 | (D) Oct-16 | (E) Nov-16 | (F) Dec-16 | (G) Total | Reference [5] | Line No. |
|---|---|---|---|---|---|---|---|---|---|---|
| 24 | Energy: | | | | | | | | | 24 |
| 25 | Commodity Sales (kWh) | 899,708,532 | 881,327,324 | 951,386,527 | 858,675,091 | 829,663,454 | 802,075,681 | 9,998,822,077 | Page BG-6, Line 26 | 25 |
| 26 | Commodity Revenues ($) | - | - | - | - | - | - | - | Page BG-6, Line 28 | 26 |
| 27 | | | | | | | | | | 27 |
| 28 | Non-Coincident Demand (100%) [1]: | | | | | | | | | 28 |
| 29 | Demand (kW) | 13,298 | 13,447 | 14,739 | 13,063 | 12,089 | 11,698 | 152,062 | Page BG-6, Line 34 | 29 |
| 30 | Revenues at Changed Rates ($) | $ 166,824 | $ 168,683 | $ 184,893 | $ 163,874 | $ 151,650 | $ 146,751 | $ 1,907,569 | Page BG-6, Line 48 | 30 |
| 31 | | | | | | | | | | 31 |
| 32 | Non-Coincident Demand (90%) [2]: | | | | | | | | | 32 |
| 33 | Demand (kW) | 2,295,711 | 2,249,985 | 2,427,769 | 2,192,234 | 2,111,113 | 2,040,957 | 25,500,922 | Page BG-7, Line 26 | 33 |
| 34 | Revenues at Changed Rates ($) | $ 25,739,572 | $ 25,228,268 | $ 27,220,801 | $ 24,580,789 | $ 23,664,110 | $ 22,877,750 | $ 285,907,788 | Page BG-7, Line 40 | 34 |
| 35 | | | | | | | | | | 35 |
| 36 | Maximum On-Peak | | | | | | | | | 36 |
| 37 | Period Demand [3]: | | | | | | | | | 37 |
| 38 | Demand (kW) | 2,049,311 | 2,011,614 | 2,168,524 | 1,960,105 | 1,702,816 | 1,646,325 | 21,767,569 | Page BG-8, Line 26 | 38 |
| 39 | Revenues at Changed Rates ($) | $ 4,131,349 | $ 4,055,353 | $ 4,371,678 | $ 3,951,513 | $ 1,031,958 | $ 997,722 | $ 30,000,880 | Page BG-8, Line 40 | 39 |
| 40 | | | | | | | | | | 40 |
| 41 | Maximum Demand | | | | | | | | | 41 |
| 42 | at the Time of System Peak [4]: | | | | | | | | | 42 |
| 43 | Demand (kW) | 95,708 | 91,157 | 100,088 | 88,712 | 95,174 | 91,925 | 1,060,220 | Page BG-9, Line 34 | 43 |
| 44 | Revenues at Changed Rates ($) | $ 225,207 | $ 214,497 | $ 235,513 | $ 208,745 | $ 60,911 | $ 58,832 | $ 1,624,428 | Pages BG-9, Line 48 | 44 |
| 45 | | | | | | | | | | 45 |
| 46 | Total Revenues at Changed Rates: | $ 30,262,952 | $ 29,666,799 | $ 32,012,886 | $ 28,904,921 | $ 24,908,629 | $ 24,081,055 | $ 319,440,665 | Page BG-9, Line 56 | 46 |

NOTES:

[1] Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1.

[2] NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.

[3] Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.

[4] Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariff: Schedule A6-TOU.

[5] Reference data found in Statement BG.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Allocation of Base Transmission Revenue Requirements (BTRR) Based on 12 CPs
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Customer Classes | (A) Total 12 CPs @ Transmission Level [2] | (B) Percentages [3] | (C) Allocated Base Transmission Revenue Requirement | Reference | Line No. |
|---|---|---|---|---|---|---|
| 1 | Total Base Transmission Revenue Requirement [1] | | | 716,366 | Statement BK1, Page 1, Line 21 | 1 |
| 2 | | | | | | 2 |
| 3 | Allocation of BTRR Based on 12-CP: | | | | | 3 |
| 4 | Residential | 16,754,356 | 41.76% | $ 299,144 | Statement BL, Page BL-19, Line 2 | 4 |
| 5 | Small Commercial | 4,343,919 | 10.83% | $ 77,559 | Statement BL, Page BL-19, Line 3 | 5 |
| 6 | Medium & Large Commercial/Industrial | 17,892,894 | 44.60% | $ 319,472 | Statement BL, Page BL-19, Line 8 | 6 |
| 7 | Agricultural | 361,626 | 0.90% | $ 6,457 | Statement BL, Page BL-19, Line 14 | 7 |
| 8 | Street Lighting Revenues | 147,620 | 0.37% | $ 2,636 | Statement BL, Page BL-19, Line 16 | 8 |
| 9 | Standby Revenues | 621,561 | 1.55% | $ 11,098 | Statement BL, Page BL-19, Line 21 | 9 |
| 10 | | | | | | 10 |
| 11 | Total | 40,121,977 | 100.00% | $ 716,366 | Sum Lines 4 Through 9 | 11 |
| 12 | | | | | | 12 |
| 13 | Total | 40,121,977 | | $ 716,366 | Line 11 | 13 |

NOTES:

[1] This sheet is not part of the TO4 Formula Excel Spreadsheet Model and was created solely to provide a summary of all the TO4 Retail Base Transmission Revenue Requirement components including those items that were not contemplated by the TO4 Formula Excel Spreadsheet Model, namely the FERC Audit Adjustment from FERC Docket No. FA 12-8-000, the Interest True-Up Adjustment from January 2015 - December 2015 for the TO3-Final True-Up Adjustment, and an Error Correction adjustment applicable to depreciation expense.

[2] Statement BL, Page BL-18, Column D.

[3] Statement BL, Page BL-18, Column E.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Residential Customers [1]
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference [2] | Line No. |
|---|---|---|---|---|---|
| 1 | Residential - Allocated Transmission Revenue Requirement | $ | 299,144 | Statement BL, Page BL-3, Line 4 | 1 |
| 2 | | | | | 2 |
| 3 | Residential - Billing Determinants (MWh) | | 7,681,377 | Statement BG, Page BGWP-1, Line 6 | 3 |
| 4 | | | | | 4 |
| 5 | Residential - Energy Rate per kWh | $ | 0.0389441 | Line 1 / Line 3 | 5 |
| 6 | | | | | 6 |
| 7 | Residential - Energy Rate per kWh - Rounded | $ | 0.03894 | Line 5, Rounded to 5 Decimal Places | 7 |
| 8 | | | | | 8 |
| 9 | Proof of Revenues | $ | 299,113 | Line 7 x Line 3 | 9 |
| 10 | | | | | 10 |
| 11 | Difference | $ | 31 | Line 1 Less Line 9 | 11 |

NOTES:

[1] The following California Public Utilities Commission (CPUC) tariffs are offered to residential customers: Schedules DR, DR-LI, DR-TOU, DR-SES, DM, DS, DT, DT-RV, TOU-DR, EV-TOU and EV-TOU-2.

[2] Reference data found in Statements BG and BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Small Commercial Customers [1]
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference [2] | Line No. |
|---|---|---|---|---|---|
| 1 | Small Commercial - Allocated Transmission Revenue Requirement | $ | 77,559 | Statement BL, Page BL-3, Line 5 | 1 |
| 2 | | | | | 2 |
| 3 | Small Commercial - Billing Determinants (MWh) | | 1,925,682 | Statement BG, Page BGWP-1, Line 7 | 3 |
| 4 | | | | | 4 |
| 5 | Small Commercial - Energy Rate per kWh | $ | 0.0402763 | Line 1 / Line 3 | 5 |
| 6 | | | | | 6 |
| 7 | Small Commercial - Energy Rate per kWh - Rounded | $ | 0.04028 | Line 5, Rounded to 5 Decimal Places | 7 |
| 8 | | | | | 8 |
| 9 | Proof of Revenues | $ | 77,566 | Line 7 x Line 3 | 9 |
| 10 | | | | | 10 |
| 11 | Difference | $ | (7) | Line 1 Less Line 9 | 11 |

NOTES:

[1] The following California Public Utilities Commission (CPUC) tariffs are offered to small commercial customers: Schedules A, A-TC, A-TOU, and TOU-A.

[2] Reference data found in Statements BG and BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Medium & Large Commercial/Industrial Customers [1]
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference [2] | Line No. |
|---|---|---|---|---|
| 1 | Med & Lrg. C/I - Demand Revenue Requirement | $ 319,472 | Statement BL, Page BL-3, Line 6 | 1 |
| 2 | | | | 2 |
| 3 | Demand Determinants (with Transmission LF Adjustment) | | | 3 |
| 4 | Used to Allocate Total Class Revenues to Voltage Level (MW) [2] | | | 4 |
| 5 | Secondary | 21,081 | Statement BL, Page BL-20, Line 29, Col. D | 5 |
| 6 | Primary | 4,157 | Statement BL, Page BL-20, Line 30, Col. D | 6 |
| 7 | Transmission | 1,381 | Statement BL, Page BL-20, Line 31, Col. D | 7 |
| 8 | Total | 26,619 | Sum Lines 5; 6; 7 | 8 |
| 9 | | | | 9 |
| 10 | Allocation Factors Per Above to Allocate | | | 10 |
| 11 | Demand Revenue Requirements to Voltage Level | | | 11 |
| 12 | Secondary | 79.20% | Line 5 / Line 8 | 12 |
| 13 | Primary | 15.62% | Line 6 / Line 8 | 13 |
| 14 | Transmission | 5.19% | Line 7 / Line 8 | 14 |
| 15 | Total | 100.00% | Sum Lines 12; 13; 14 | 15 |
| 16 | | | | 16 |
| 17 | Allocation of Revenue Requirements to Voltage Level | | | 17 |
| 18 | Secondary | $ 253,007 | Line 1 x Line 12 | 18 |
| 19 | Primary | $ 49,891 | Line 1 x Line 13 | 19 |
| 20 | Transmission | $ 16,574 | Line 1 x Line 14 | 20 |
| 21 | Total | $ 319,472 | Sum Lines 18; 19; 20 | 21 |
| 22 | | | | 22 |
| 23 | Demand Determinants by Voltage Level @ Meter Level (MW) | | | 23 |
| 24 | Secondary | 20,159 | Statement BL, Page BL-20, Line 29, Col. B | 24 |
| 25 | Primary | 4,112 | Statement BL, Page BL-20, Line 30, Col. B | 25 |
| 26 | Transmission | 1,381 | Statement BL, Page BL-20, Line 31, Col. B | 26 |
| 27 | Total | 25,653 | Sum Lines 24; 25; 26 | 27 |
| 28 | | | | 28 |
| 29 | Demand Rate by Voltage Level @ Meter | | | 29 |
| 30 | Secondary | $ 12.55037 | Line 18 / Line 24 | 30 |
| 31 | Primary | $ 12.13220 | Line 19 / Line 25 | 31 |
| 32 | Transmission | $ 11.99834 | Line 20 / Line 26 | 32 |
| 33 | | | | 33 |
| 34 | Demand Rate by Voltage Level @ Meter (Rounded) | | | 34 |
| 35 | Secondary | $ 12.55 | Line 30, Rounded to 2 Decimal Places | 35 |
| 36 | Primary | $ 12.13 | Line 31, Rounded to 2 Decimal Places | 36 |
| 37 | Transmission | $ 12.00 | Line 32, Rounded to 2 Decimal Places | 37 |
| 38 | | | | 38 |
| 39 | Proof of Revenues | | | 39 |
| 40 | Secondary | $ 253,000 | Line 24 x Line 35 | 40 |
| 41 | Primary | $ 49,882 | Line 25 x Line 36 | 41 |
| 42 | Transmission | $ 16,577 | Line 26 x Line 37 | 42 |
| 43 | Total | $ 319,458 | Sum Lines 40; 41; 42 | 43 |
| 44 | | | | 44 |
| 45 | Difference | $ 14 | Line 1 Less Line 43 | 45 |

NOTES:

[1] The following California Public Utilities Commission (CPUC) tariffs are offered to Medium and Large Commercial/Industrial customers: Schedules AD, AY-TOU, AL-TOU, DG-R, A6-TOU, and OL-TOU. No demand rates are applicable to schedule OL-TOU per CPUC Decision D.09-09-036.

[2] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Medium & Large Commercial/Industrial Customers
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference [3] | Line No. |
|---|---|---|---|---|
| 1 | 90% of Total Medium and Large Commercial/Industrial NCD Rates [1] | 90.00% | | 1 |
| 2 | Secondary | $ 11.29500 | Line 1 x Statement BL, Page BL-7, Line 35 | 2 |
| 3 | Primary | $ 10.91700 | Line 1 x Statement BL, Page BL-7, Line 36 | 3 |
| 4 | Transmission | $ 10.80000 | Line 1 x Statement BL, Page BL-7, Line 37 | 4 |
| 5 | | | | 5 |
| 6 | 90% of Total Medium and Large Commercial/Industrial NCD Rates (Rounded) | | | 6 |
| 7 | Secondary | $ 11.30 | Line 2, Rounded to 2 Decimal Places | 7 |
| 8 | Primary | $ 10.92 | Line 3, Rounded to 2 Decimal Places | 8 |
| 9 | Transmission | $ 10.80 | Line 4, Rounded to 2 Decimal Places | 9 |
| 10 | | | | 10 |
| 11 | Pertaining to Schedules @ 90% NCD with Maximum On-Peak Period Demand [2] | | | 11 |
| 12 | | | | 12 |
| 13 | NCD Determinants by Voltage Level @ Meter Level (MW) | | | 13 |
| 14 | Secondary | 20,009 | Statement BL, Page BL-20, Line 14, Col. B | 14 |
| 15 | Primary | 3,909 | Statement BL, Page BL-20, Line 15, Col. B | 15 |
| 16 | Transmission | 229 | Statement BL, Page BL-20, Line 16, Col. B | 16 |
| 17 | Total | 24,147 | Sum Lines 14; 15; 16 | 17 |
| 18 | | | | 18 |
| 19 | Annual Revenues from 100% of Total Med. & Lrg. Comm./Ind. NCD Rates | | | 19 |
| 20 | Secondary | $ 251,115 | Line 14 x Statement BL, Page BL-7, Line 35 | 20 |
| 21 | Primary | $ 47,414 | Line 15 x Statement BL, Page BL-7, Line 36 | 21 |
| 22 | Transmission | $ 2,746 | Line 16 x Statement BL, Page BL-7, Line 37 | 22 |
| 23 | Total | $ 301,275 | Sum Lines 20; 21; 22 | 23 |
| 24 | | | | 24 |
| 25 | Annual Revenues from 90% of Total Med. & Lrg. Comm./Ind. NCD Rates | | | 25 |
| 26 | Secondary | $ 226,104 | Line 7 x Line 14 | 26 |
| 27 | Primary | $ 42,684 | Line 8 x Line 15 | 27 |
| 28 | Transmission | $ 2,472 | Line 9 x Line 16 | 28 |
| 29 | Total | $ 271,259 | Sum Lines 26; 27; 28 | 29 |
| 30 | | | | 30 |
| 31 | Revenue Reallocation to Maximum On-Peak Period Demand | | | 31 |
| 32 | Secondary | $ 25,011 | Line 20 Less Line 26 | 32 |
| 33 | Primary | $ 4,730 | Line 21 Less Line 27 | 33 |
| 34 | Transmission | $ 275 | Line 22 Less Line 28 | 34 |
| 35 | Total | $ 30,016 | Sum Lines 32; 33; 34 | 35 |

NOTES:

[1] 90% NCD Rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.

[2] 90% NCD Rates and Maximum On-Peak Period Demand charges are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AY-TOU, AL-TOU, and DG-R.

[3] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Medium & Large Commercial/Industrial Customers
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference [2] | Line No. |
|---|---|---|---|---|
| 1 | Pertaining to Schedules @ 90% NCD with | | | 1 |
| 2 | Maximum Demand at Time of System Peak [1] | | | 2 |
| 3 | | | | 3 |
| 4 | NCD Determinants by Voltage Level @ Meter Level (MW) | | | 4 |
| 5 | Secondary | - | Statement BL, Page BL-20, Line 22, Col. B | 5 |
| 6 | Primary | 202 | Statement BL, Page BL-20, Line 23, Col. B | 6 |
| 7 | Transmission | 1,153 | Statement BL, Page BL-20, Line 24, Col. B | 7 |
| 8 | Total | 1,354 | Sum Lines 5; 6; 7 | 8 |
| 9 | | | | 9 |
| 10 | Annual Revenues from 100% of Total Med. & Lrg. Comm./Ind. NCD Rates | | | 10 |
| 11 | Secondary | $ - | Line 5 x Statement BL, Page BL-7, Line 35 | 11 |
| 12 | Primary | $ 2,445 | Line 6 x Statement BL, Page BL-7, Line 36 | 12 |
| 13 | Transmission | $ 13,830 | Line 7 x Statement BL, Page BL-7, Line 37 | 13 |
| 14 | Total | $ 16,275 | Sum Lines 11; 12; 13 | 14 |
| 15 | | | | 15 |
| 16 | Annual Revenues from 90% of Total Med. & Lrg. Comm./Ind. NCD Rates | | | 16 |
| 17 | Secondary | $ - | Statement BL, Page BL-8, Line 7 x Line 5 | 17 |
| 18 | Primary | $ 2,201 | Statement BL, Page BL-8, Line 8 x Line 6 | 18 |
| 19 | Transmission | $ 12,447 | Statement BL, Page BL-8, Line 9 x Line 7 | 19 |
| 20 | Total | $ 14,648 | Sum Lines 17; 18; 19 | 20 |
| 21 | | | | 21 |
| 22 | Revenue Reallocation to Maximum Demand at the Time of System Peak | | | 22 |
| 23 | Secondary | $ - | Line 11 Less Line 17 | 23 |
| 24 | Primary | $ 244 | Line 12 Less Line 18 | 24 |
| 25 | Transmission | $ 1,383 | Line 13 Less Line 19 | 25 |
| 26 | Total | $ 1,627 | Sum Lines 23; 24; 25 | 26 |

NOTES:

[1] 90% NCD Rates and Maximum Demand at Time of System Peak charges are applicable to the following California Public Utilities Commission (CPUC) tariff: Schedule A6-TOU.

[2] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Medium & Large Commercial/Industrial Customers
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference [4] | Line No. |
|---|---|---|---|---|
| 1 | Revenue Reallocation to Maximum | | | 1 |
| 2 | On-Peak Period Demands [1] | $ 30,016 | Statement BL, Page BL-8, Line 35 | 2 |
| 3 | | | | 3 |
| 4 | Summer Maximum On-Peak Period Demands | | | 4 |
| 5 | by Voltage Level @ Meter Level (MW) [2] | | | 5 |
| 6 | Secondary | 9,593 | Statement BL, Page BL-20, Line 36, Col. B | 6 |
| 7 | Primary | 2,115 | Statement BL, Page BL-20, Line 37, Col. B | 7 |
| 8 | Transmission | 214 | Statement BL, Page BL-20, Line 38, Col. B | 8 |
| 9 | Total | 11,922 | Sum Lines 6; 7; 8 | 9 |
| 10 | | | | 10 |
| 11 | Summer Maximum On-Peak Period Demands | | | 11 |
| 12 | by Voltage Level @ Transmission Level (MW) | | | 12 |
| 13 | Secondary | 10,032 | Statement BL, Page BL-20, Line 36, Col. D | 13 |
| 14 | Primary | 2,138 | Statement BL, Page BL-20, Line 37, Col. D | 14 |
| 15 | Transmission | 214 | Statement BL, Page BL-20, Line 38, Col. D | 15 |
| 16 | Total | 12,384 | Sum Lines 13; 14; 15 | 16 |
| 17 | | | | 17 |
| 18 | Summer Maximum On-Peak Period Allocation to Voltage Levels | | | 18 |
| 19 | Secondary | 81.01% | Line 13 / Line 16 | 19 |
| 20 | Primary | 17.26% | Line 14 / Line 16 | 20 |
| 21 | Transmission | 1.73% | Line 15 / Line 16 | 21 |
| 22 | Total | 100.00% | Sum Lines 19; 20; 21 | 22 |
| 23 | | | | 23 |
| 24 | Share of Total Revenue Allocation to Summer Peak Period | 80.00% | | 24 |
| 25 | | | | 25 |
| 26 | Revenues for Summer Maximum | | | 26 |
| 27 | On-Peak Period Demand Rates | | | 27 |
| 28 | Secondary | $ 19,452 | Line 2 x Line 24 x Line 19 | 28 |
| 29 | Primary | $ 4,146 | Line 2 x Line 24 x Line 20 | 29 |
| 30 | Transmission | $ 415 | Line 2 x Line 24 x Line 21 | 30 |
| 31 | Total | $ 24,013 | Sum Lines 28; 29; 30 | 31 |
| 32 | | | | 32 |
| 33 | Summer Maximum On-Peak Period Demand Rates [3] | $/kW | | 33 |
| 34 | Secondary | $ 2.02765 | Line 28 / Line 6 | 34 |
| 35 | Primary | $ 1.96021 | Line 29 / Line 7 | 35 |
| 36 | Transmission | $ 1.94272 | Line 30 / Line 8 | 36 |
| 37 | | | | 37 |
| 38 | Summer Maximum On-Peak Period Demand Rates (Rounded) | $/kW | | 38 |
| 39 | Secondary | $ 2.03 | Line 34, Rounded to 2 Decimal Places | 39 |
| 40 | Primary | $ 1.96 | Line 35, Rounded to 2 Decimal Places | 40 |
| 41 | Transmission | $ 1.94 | Line 36, Rounded to 2 Decimal Places | 41 |
| 42 | | | | 42 |

NOTES:

[1] Revenues reallocated from NCD to recovery from Maximum On-Peak Period Demands for the following California Public Utilities Commission (CPUC) tariffs: Schedules AY-TOU, AL-TOU, and DG-R.

[2] Summer Maximum On-Peak Period Determinants for the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.

[3] Summer Maximum On-Peak Period Demand Charges for the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.

[4] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Medium & Large Commercial/Industrial Customers
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference [3] | Line No. |
|---|---|---|---|---|
| 1 | Winter Maximum On-Peak Period Demands | | | 1 |
| 2 | by Voltage Level @ Meter Level (MW) [1] | | | 2 |
| 3 | Secondary | 7,891 | Statement BL, Page BL-20, Line 41, Col. B | 3 |
| 4 | Primary | 1,768 | Statement BL, Page BL-20, Line 42, Col. B | 4 |
| 5 | Transmission | 187 | Statement BL, Page BL-20, Line 43, Col. B | 5 |
| 6 | Total | 9,846 | Sum Lines 3; 4; 5 | 6 |
| 7 | | | | 7 |
| 8 | Winter Maximum On-Peak Period Demands | | | 8 |
| 9 | by Voltage Level @ Transmission Level (MW) | | | 9 |
| 10 | Secondary | 8,252 | Statement BL, Page BL-20, Line 41, Col. D | 10 |
| 11 | Primary | 1,787 | Statement BL, Page BL-20, Line 42, Col. D | 11 |
| 12 | Transmission | 187 | Statement BL, Page BL-20, Line 43, Col. D | 12 |
| 13 | Total | 10,226 | Sum Lines 10; 11; 12 | 13 |
| 14 | | | | 14 |
| 15 | Winter Maximum On-Peak Period Allocation to Voltage Levels | | | 15 |
| 16 | Secondary | 80.70% | Line 10 / Line 13 | 16 |
| 17 | Primary | 17.48% | Line 11 / Line 13 | 17 |
| 18 | Transmission | 1.83% | Line 12 / Line 13 | 18 |
| 19 | Total | 100.00% | Sum Lines 16; 17; 18 | 19 |
| 20 | | | | 20 |
| 21 | Share of Total Revenue Allocation to Winter Peak Period | 20.00% | | 21 |
| 22 | | | | 22 |
| 23 | Revenues for Winter Maximum | | | 23 |
| 24 | On-Peak Period Demand Rates | | | 24 |
| 25 | Secondary | $ 4,844 | Statement BL, Page BL-10, Line 2 x Line 21 x Line 16 | 25 |
| 26 | Primary | $ 1,049 | Statement BL, Page BL-10, Line 2 x Line 21 x Line 17 | 26 |
| 27 | Transmission | $ 110 | Statement BL, Page BL-10, Line 2 x Line 21 x Line 18 | 27 |
| 28 | Total | $ 6,003 | Sum Lines 25; 26; 27 | 28 |
| 29 | | | | 29 |
| 30 | Winter Maximum On-Peak Period Demand Rates [2] | $/kW | | 30 |
| 31 | Secondary | $ 0.61387 | Line 25 / Line 3 | 31 |
| 32 | Primary | $ 0.59351 | Line 26 / Line 4 | 32 |
| 33 | Transmission | $ 0.58765 | Line 27 / Line 5 | 33 |
| 34 | | | | 34 |
| 35 | | | | 35 |
| 36 | Winter Maximum On-Peak Period Demand Rates (Rounded) | $/kW | | 36 |
| 37 | Secondary | $ 0.61 | Line 31, Rounded to 2 Decimal Places | 37 |
| 38 | Primary | $ 0.59 | Line 32, Rounded to 2 Decimal Places | 38 |
| 39 | Transmission | $ 0.59 | Line 33, Rounded to 2 Decimal Places | 39 |
| 40 | | | | 40 |
| 41 | | | | 41 |
| 42 | Proof of Revenues | | | 42 |
| 43 | Secondary | $ 24,288 | (Page BL-10, Line 6 x Page BL-10, Line 39) + (Line 3 x Line 37) | 43 |
| 44 | Primary | $ 5,188 | (Page BL-10, Line 7 x Page BL-10, Line 40) + (Line 4 x Line 38) | 44 |
| 45 | Transmission | $ 525 | (Page BL-10, Line 8 x Page BL-10, Line 41) + (Line 5 x Line 39) | 45 |
| 46 | Total | $ 30,001 | Sum Lines 43; 44; 45 | 46 |
| 47 | | | | 47 |
| 48 | Difference | $ 15 | Statement BL, Page BL-10, Line 2 Less Line 46 | 48 |
| 49 | | | | 49 |

NOTES:

[1] Winter Maximum On-Peak Period Determinants for the following California Public Utilities Commission (CPUC) tariffs: Schedules AY-TOU, AL-TOU, and DG-R.

[2] Winter Maximum On-Peak Period Demand Charges for the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.

[3] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Medium & Large Commercial/Industrial Customers
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference [4] | Line No. |
|---|---|---|---|---|
| 1 | Revenue Reallocation to Maximum Demands at the Time of System Peak [1] | $ 1,627 | Statement BL, Page BL-9, Line 26 | 1 |
| 2 | | | | 2 |
| 3 | Summer Maximum Demands at the Time of System Peak | | | 3 |
| 4 | by Voltage Level @ Meter Level (MW) [2] | | | 4 |
| 5 | Secondary | - | Statement BL, Page BL-20, Line 49, Col. B | 5 |
| 6 | Primary | 84 | Statement BL, Page BL-20, Line 50, Col. B | 6 |
| 7 | Transmission | 468 | Statement BL, Page BL-20, Line 51, Col. B | 7 |
| 8 | Total | 552 | Sum Lines 5; 6; 7 | 8 |
| 9 | | | | 9 |
| 10 | Summer Maximum Demands at the Time of System Peak | | | 10 |
| 11 | by Voltage Level @ Transmission Level (MW) | | | 11 |
| 12 | Secondary | - | Statement BL, Page BL-18, Line 49, Col. D | 12 |
| 13 | Primary | 85 | Statement BL, Page BL-18, Line 50, Col. D | 13 |
| 14 | Transmission | 468 | Statement BL, Page BL-18, Line 51, Col. D | 14 |
| 15 | Total | 553 | Sum Lines 12; 13; 14 | 15 |
| 16 | | | | 16 |
| 17 | Summer Maximum Demands at the Time of | | | 17 |
| 18 | System Peak Allocation to Voltage Levels (MW) | | | 18 |
| 19 | Secondary | 0.00% | Line 12 / Line 15 | 19 |
| 20 | Primary | 15.37% | Line 13 / Line 15 | 20 |
| 21 | Transmission | 84.63% | Line 14 / Line 15 | 21 |
| 22 | Total | 100.00% | Sum Lines 19; 20; 21 | 22 |
| 23 | | | | 23 |
| 24 | Share of Total Revenue Allocation to Summer | | | 24 |
| 25 | Maximum Demand at the Time of System Peak | 80.00% | | 25 |
| 26 | | | | 26 |
| 27 | Revenues for Summer Maximum | | | 27 |
| 28 | Demand at the Time of System Peak Rates | | | 28 |
| 29 | Secondary | $ - | Line 1 x Line 25 x Line 19 | 29 |
| 30 | Primary | $ 200 | Line 1 x Line 25 x Line 20 | 30 |
| 31 | Transmission | $ 1,101 | Line 1 x Line 25 x Line 21 | 31 |
| 32 | Total | $ 1,302 | Sum Lines 29; 30; 31 | 32 |
| 33 | | | | 33 |
| 34 | Summer Maximum Demand at the Time of System Peak Rates [3] | $/kW | | 34 |
| 35 | Secondary | $ - | Line 29 / Line 5 | 35 |
| 36 | Primary | $ 2.37291 | Line 30 / Line 6 | 36 |
| 37 | Transmission | $ 2.35433 | Line 31 / Line 7 | 37 |
| 38 | | | | 38 |
| 39 | Summer Maximum Demand at the Time of System Peak Rates (Rounded) | $/kW | | 39 |
| 40 | Secondary | $ - | Line 35, Rounded to 2 Decimal Places | 40 |
| 41 | Primary | $ 2.37 | Line 36, Rounded to 2 Decimal Places | 41 |
| 42 | Transmission | $ 2.35 | Line 37, Rounded to 2 Decimal Places | 42 |
| 43 | | | | 43 |

NOTES:

[1] Revenues to be reallocated from NCD to recovery from Maximum Demand at the time of System Peak for the following California Public Utilities Commission (CPUC) tariff: Schedule A6-TOU.

[2] Summer Maximum Demand at the time of System Peak Determinants for the following CPUC tariff: Schedule A6-TOU.

[3] Summer Maximum Demand at the time of System Peak Demand Charges for the following CPUC tariff: Schedule A6-TOU.

[4] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Medium & Large Commercial/Industrial Customers
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference [3] | Line No. |
|---|---|---|---|---|
| 1 | Winter Maximum Demands at the Time of System Peak | | | 1 |
| 2 | by Voltage Level @ Meter Level (MW) [1] | | | 2 |
| 3 | Secondary | - | Statement BL, Page BL-20, Line 54, Col. B | 3 |
| 4 | Primary | 69 | Statement BL, Page BL-20, Line 55, Col. B | 4 |
| 5 | Transmission | 440 | Statement BL, Page BL-20, Line 56, Col. B | 5 |
| 6 | Total | 508 | Sum Lines 3; 4; 5 | 6 |
| 7 | | | | 7 |
| 8 | Winter Maximum Demands at the Time of System Peak | | | 8 |
| 9 | by Voltage Level @ Transmission Level (MW) | | | 9 |
| 10 | Secondary | - | Statement BL, Page BL-20, Line 54, Col. D | 10 |
| 11 | Primary | 69 | Statement BL, Page BL-20, Line 55, Col. D | 11 |
| 12 | Transmission | 440 | Statement BL, Page BL-20, Line 56, Col. D | 12 |
| 13 | Total | 509 | Sum Lines 10; 11; 12 | 13 |
| 14 | | | | 14 |
| 15 | Winter Maximum Demands at the Time of | | | 15 |
| 16 | System Peak Allocation to Voltage Levels | | | 16 |
| 17 | Secondary | 0.00% | Line 10 / Line 13 | 17 |
| 18 | Primary | 13.56% | Line 11 / Line 13 | 18 |
| 19 | Transmission | 86.44% | Line 12 / Line 13 | 19 |
| 20 | Total | 100.00% | Sum Lines 17; 18; 19 | 20 |
| 21 | | | | 21 |
| 22 | Share of Total Revenue Allocation to Winter | | | 22 |
| 23 | Maximum Demand at the Time of System Peak | 20.00% | | 23 |
| 24 | | | | 24 |
| 25 | Revenues for Proposed Winter Maximum | | | 25 |
| 26 | Demand at the Time of System Peak Rates | | | 26 |
| 27 | Secondary | $ - | Statement BL, Page BL-12, Line 1 x Line 23 x Line 17 | 27 |
| 28 | Primary | $ 44 | Statement BL, Page BL-12, Line 1 x Line 23 x Line 18 | 28 |
| 29 | Transmission | $ 281 | Statement BL, Page BL-12, Line 1 x Line 23 x Line 19 | 29 |
| 30 | Total | $ 325 | Sum Lines 27; 28; 29 | 30 |
| 31 | | | | 31 |
| 32 | Winter Maximum Demand at the Time of System Peak Rates [2] | $/kW | | 32 |
| 33 | Secondary | $ - | Line 27 / Line 3 | 33 |
| 34 | Primary | $ 0.64378 | Line 28 / Line 4 | 34 |
| 35 | Transmission | $ 0.63994 | Line 29 / Line 5 | 35 |
| 36 | | | | 36 |
| 37 | | | | 37 |
| 38 | Winter Maximum Demand at the Time of System Peak Rates (Rounded) | $/kW | | 38 |
| 39 | Secondary | $ - | Line 33, Rounded to 2 Decimal Places | 39 |
| 40 | Primary | $ 0.64 | Line 34, Rounded to 2 Decimal Places | 40 |
| 41 | Transmission | $ 0.64 | Line 35, Rounded to 2 Decimal Places | 41 |
| 42 | | | | 42 |
| 43 | | | | 43 |
| 44 | Proof of Revenues | | | 44 |
| 45 | Secondary | $ - | (Page BL-12, Line 5 x Page BL-12, Line 40) + (Line 3 x Line 39) | 45 |
| 46 | Primary | $ 244 | (Page BL-12, Line 6 x Page BL-12, Line 41) + (Line 4 x Line 40) | 46 |
| 47 | Transmission | $ 1,381 | (Page BL-12, Line 7 x Page BL-12, Line 42) + (Line 5 x Line 41) | 47 |
| 48 | Total | $ 1,624 | Sum Lines 45; 46; 47 | 48 |
| 49 | | | | 49 |
| 50 | Difference | $ 3 | Statement BL, Page BL-12, Line 1 Less Line 48 | 50 |
| 51 | | | | 51 |

NOTES:

[1] Winter Maximum Demand at the time of System Peak Determinants for the following California Public Utilities Commission (CPUC) tariff: Schedule A6-TOU.

[2] Winter Maximum Demand at the time of System Peak Demand Charges for the following CPUC tariff: Schedule A6-TOU.

[3] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Vehicle Grid Integration (VGI) Pilot Customers [1]
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference [2] | Line No. |
|---|---|---|---|---|---|
| 1 | VGI Pilot - Allocated Transmission Revenue Requirement | $ | 319,472 | Statement BL, Page BL-3, Line 6 | 1 |
| 2 | | | | | 2 |
| 3 | VGI Pilot - Billing Determinants (MWh) | | 9,998,822 | Statement BG, Page BGWP-1, Lines 8-10 | 3 |
| 4 | | | | | 4 |
| 5 | VGI Pilot - Energy Rate per kWh | $ | 0.0319510 | Line 1 / Line 3 | 5 |
| 6 | | | | | 6 |
| 7 | VGI Pilot - Energy Rate per kWh - Rounded | $ | 0.03195 | Line 5, Rounded to 5 Decimal Places | 7 |
| 8 | | | | | 8 |
| 9 | Proof of Revenues | $ | 319,462 | Line 7 x Line 3 | 9 |
| 10 | | | | | 10 |
| 11 | Difference | $ | 10 | Line 1 Less Line 9 | 11 |

NOTES:

[1] The California Public Utilities Commission (CPUC) tariff offered to customers participating on the Vehicle Grid Integration (VGI) Pilot: Schedule VGI

[2] Reference data found in Statements BG and BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Agricultural Customers
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference [2] | Line No. |
|---|---|---|---|---|
| 1 | Allocated Agricultural Transmission Revenue Requirement | $ 6,457 | Statement BL, Page BL-3, Line 7, Col. C | 1 |
| 2 | | | | 2 |
| 3 | Billing Determinants (MWh) | 316,511 | Statement BG, Page BGWP-1, Lines 11 and 12 | 3 |
| 4 | | | | 4 |
| 5 | Energy Rate per kWh | $ 0.0203997 | Line 1 / Line 3 | 5 |
| 6 | | | | 6 |
| 7 | Energy Rate per kWh - Rounded | $ 0.02040 | Line 5, Rounded to 5 Decimal Places | 7 |
| 8 | | | | 8 |
| 9 | | | | 9 |
| 10 | Schedules PA and TOU-PA Billing Determinants (MWh) | 83,162 | Statement BG, Page BGWP-1, Line 11 | 10 |
| 11 | | | | 11 |
| 12 | Annual Revenues from Schedules PA and TOU-PA Energy Rates | $ 1,697 | Line 7 x Line 10 | 12 |
| 13 | | | | 13 |
| 14 | Revenue Allocated to Schedule PA-T-1 Non-Coincident Demand Charges | $ 4,760 | Line 1 Less Line 12 | 14 |

NOTES:

[1] The following California Public Utilities Commission (CPUC) tariffs are offered to Agriculture customers: Schedules PA, TOU-PA and PA-T-1. No demand rates are applicable to Schedules PA and TOU-PA, as shown on this page, Page BL-13.

[2] Reference data found in Statements BG and BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Agricultural Customers
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference [3] | Line No. |
|---|---|---|---|---|
| 1 | Agriculture - Demand Revenue Requirement | $ 4,760 | Statement BL, Page BL-15, Line 14 | 1 |
| 2 | | | | 2 |
| 3 | Non-Coincident Demand Determinants [2] | | | 3 |
| 4 | Secondary | 874 | Statement BL, Page BL-18, Line 62, Col. D | 4 |
| 5 | Primary | 157 | Statement BL, Page BL-18, Line 63, Col. D | 5 |
| 6 | Transmission | - | Statement BL, Page BL-18, Line 64, Col. D | 6 |
| 7 | Total | 1,031 | Sum Lines 4; 5; 6 | 7 |
| 8 | | | | 8 |
| 9 | Allocation Factors Per Above to Allocate | | | 9 |
| 10 | Demand Revenue Requirements to Voltage Level | | | 10 |
| 11 | Secondary | 84.77% | Line 4 / Line 7 | 11 |
| 12 | Primary | 15.23% | Line 5 / Line 7 | 12 |
| 13 | Transmission | 0.00% | Line 6 / Line 7 | 13 |
| 14 | Total | 100.00% | Sum Lines 11; 12; 13 | 14 |
| 15 | | | | 15 |
| 16 | Allocation of Revenue Requirements to Voltage Level | | | 16 |
| 17 | Secondary | $ 4,035 | Line 1 x Line 11 | 17 |
| 18 | Primary | $ 725 | Line 1 x Line 12 | 18 |
| 19 | Transmission | $ - | Line 1 x Line 13 | 19 |
| 20 | Total | $ 4,760 | Sum Lines 17; 18; 19 | 20 |
| 21 | | | | 21 |
| 22 | Schedule PA-T-1 Demand Determinants by Voltage Level @ Meter Level (MW) | | | 22 |
| 23 | Secondary | 836 | Statement BL, Page BL-20, Line 62, Col. B | 23 |
| 24 | Primary | 155 | Statement BL, Page BL-20, Line 63, Col. B | 24 |
| 25 | Transmission | - | Statement BL, Page BL-20, Line 64, Col. B | 25 |
| 26 | Total | 991 | Sum Lines 23; 24; 25 | 26 |
| 27 | | | | 27 |
| 28 | Non-Coincident Demand Rate by Voltage Level @ Meter | | | 28 |
| 29 | Secondary | $ 4.82707 | Line 17 / Line 23 | 29 |
| 30 | Primary | $ 4.68177 | Line 18 / Line 24 | 30 |
| 31 | Transmission | $ 4.63175 | Line 19 / Line 25 | 31 |
| 32 | | | | 32 |
| 33 | Non-Coincident Demand Rate by Voltage Level @ Meter (Rounded) | | | 33 |
| 34 | Secondary | $ 4.83 | Line 29, Rounded to 2 Decimal Places | 34 |
| 35 | Primary | $ 4.68 | Line 30, Rounded to 2 Decimal Places | 35 |
| 36 | Transmission | $ 4.63 | Line 31, Rounded to 2 Decimal Places | 36 |
| 37 | | | | 37 |
| 38 | Proof of Revenues | | | 38 |
| 39 | Secondary | $ 4,038 | Line 23 x Line 34 | 39 |
| 40 | Primary | $ 725 | Line 24 x Line 35 | 40 |
| 41 | Transmission | $ - | Line 25 x Line 36 | 41 |
| 42 | Total | $ 4,762 | Sum Lines 39; 40; 41 | 42 |
| 43 | | | | 43 |
| 44 | Difference | $ (2) | Line 1 Less Line 42 | 44 |

NOTES:

[1] The following California Public Utilities Commission (CPUC) tariffs are offered to Agriculture customers: Schedules PA, TOU-PA and PA-T-1. No demand rates are applicable to Schedules PA and TOU-PA, as shown in Page BL-13.

[2] Non-Coincident Demand (100%) rates applicable to the following CPUC tariff: Schedule PA-T-1.

[3] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Street Lighting Customers [1]
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference [2] | Line No. |
|---|---|---|---|---|---|
| 1 | Street Lighting - Allocated Transmission Revenue Requirement | $ | 2,636 | Statement BL, Page BL-3, Line 8 | 1 |
| 2 | | | | | 2 |
| 3 | Street Lighting - Billing Determinants (MWh) | | 90,832 | Statement BG, Page BGWP-1, Line 13 | 3 |
| 4 | | | | | 4 |
| 5 | Street Lighting - Energy Rate per kWh | $ | 0.0290174 | Line 1 / Line 3 | 5 |
| 6 | | | | | 6 |
| 7 | Street Lighting - Energy Rate per kWh - Rounded | $ | 0.02902 | Line 5, Rounded to 5 Decimal Places | 7 |
| 8 | | | | | 8 |
| 9 | Proof of Revenues | $ | 2,636 | Line 3 x Line 7 | 9 |
| 10 | | | | | 10 |
| 11 | Difference | $ | (0) | Line 1 Less Line 9 | 11 |

NOTES:

[1] The following California Public Utilities Commission (CPUC) tariffs are offered to street lighting customers: Schedules DWL, OL-1, OL-2, LS-1, LS-2, and LS-3.

[2] Reference data found in Statements BG and BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Standby Customers
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Description | Derivation of Standby Surcharge & Proof of Revenues Calculation | Reference [1] | Line No. |
|---|---|---|---|---|
| 1 | Standby - Demand Revenue Requirement | $ 11,098 | Statement BL, Page BL-3, Line 9 | 1 |
| 2 | | | | 2 |
| 3 | Demand Determinants (with Transmission LF Adjustment) | | | 3 |
| 4 | Used to Allocate Total Class Revenues to Voltage Level (MW) [1] | | | 4 |
| 5 | Secondary | 120 | Statement BL, Page BL-18, Line 69, Col. D | 5 |
| 6 | Primary | 1,247 | Statement BL, Page BL-18, Line 70, Col. D | 6 |
| 7 | Transmission | 705 | Statement BL, Page BL-18, Line 71, Col. D | 7 |
| 8 | Total | 2,072 | Sum Lines 5; 6; 7 | 8 |
| 9 | | | | 9 |
| 10 | Allocation Factors Per Above to Allocate | | | 10 |
| 11 | Demand Revenue Requirements to Voltage Level | | | 11 |
| 12 | Secondary | 5.79% | Line 5 / Line 8 | 12 |
| 13 | Primary | 60.18% | Line 6 / Line 8 | 13 |
| 14 | Transmission | 34.03% | Line 7 / Line 8 | 14 |
| 15 | Total | 100.00% | Sum Lines 12; 13; 14 | 15 |
| 16 | | | | 16 |
| 17 | Allocation of Revenue Requirements to Voltage Level | | | 17 |
| 18 | Secondary | $ 643 | Line 1 x Line 12 | 18 |
| 19 | Primary | $ 6,679 | Line 1 x Line 13 | 19 |
| 20 | Transmission | $ 3,776 | Line 1 x Line 14 | 20 |
| 21 | Total | $ 11,098 | Sum Lines 18; 19; 20 | 21 |
| 22 | | | | 22 |
| 23 | Demand Determinants By Voltage Level @ Meter (MW) | | | 23 |
| 24 | Secondary | 115 | Statement BL, Page BL-18, Line 69, Col. B | 24 |
| 25 | Primary | 1,234 | Statement BL, Page BL-18, Line 70, Col. B | 25 |
| 26 | Transmission | 705 | Statement BL, Page BL-18, Line 71, Col. B | 26 |
| 27 | Total | 2,053 | Sum Lines 24; 25; 26 | 27 |
| 28 | | | | 28 |
| 29 | Demand Rate By Voltage Level @ Meter | | | 29 |
| 30 | Secondary | $ 5.61316 | Line 18 / Line 24 | 30 |
| 31 | Primary | $ 5.41210 | Line 19 / Line 25 | 31 |
| 32 | Transmission | $ 5.35827 | Line 20 / Line 26 | 32 |
| 33 | | | | 33 |
| 34 | Demand Rate By Voltage Level @ Meter (Rounded) | | | 34 |
| 35 | Secondary | $ 5.61 | Line 30, Rounded to 2 Decimal Places | 35 |
| 36 | Primary | $ 5.41 | Line 31, Rounded to 2 Decimal Places | 36 |
| 37 | Transmission | $ 5.36 | Line 32, Rounded to 2 Decimal Places | 37 |
| 38 | | | | 38 |
| 39 | Proof of Revenues | | | 39 |
| 40 | Secondary | $ 642 | Line 24 x Line 35 | 40 |
| 41 | Primary | $ 6,676 | Line 25 x Line 36 | 41 |
| 42 | Transmission | $ 3,777 | Line 26 x Line 37 | 42 |
| 43 | Total | $ 11,096 | Sum Lines 40; 41; 42 | 43 |
| 44 | | | | 44 |
| 45 | Difference | $ 2 | Line 1 Less Line 43 | 45 |

Notes:
[1] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Summary of Proof of Revenues
Rate Effective Period - Twelve Months Ending December 31, 2016
($1,000)

| Line No. | Customer Classes | (A) Total Revenues Per Cost of Service Study | (B) Total Revenues Per Rate Design | (C) Difference | Reference [1] | Line No. |
|---|---|---|---|---|---|---|
| 1 | Residential | $ 299,144 | $ 299,113 | $ 31 | (A): Statement BL, Page BL-3, Line 4 | 1 |
| 2 | | | | | (B): Statement BL, Page BL-4, Line 9 | 2 |
| 3 | Small Commercial | 77,559 | 77,566 | (7) | (A): Statement BL, Page BL-3, Line 5 | 3 |
| 4 | | | | | (B): Statement BL, Page BL-5, Line 9 | 4 |
| 5 | Medium and Large Commercial/Industrial | 319,472 | 319,441 | 32 | (A): Statement BL, Page BL-3, Line 6 | 5 |
| 6 | | | | | (B): Statement BL, Page BL-7, Line 43, - ( Statement BL, Page BL-11, Line 48 + Statement BL, Page BL-12, Line 50) | 6 |
| 7 | | | | | | |
| 8 | Agricultural | 6,457 | 6,459 | (2) | (A): Statement BL, Page BL-3, Line 7 | 7 |
| 9 | | | | | (B): Statement BL, Page BL-15, Line 13 + Page BL-16, Line 42 | 8 |
| 10 | Street Lighting | 2,636 | 2,636 | (0) | (A): Statement BL, Pages BL-3, Line 8 | 9 |
| 11 | | | | | (B): Statement BL, Page BL-17, Line 9 | 10 |
| 12 | Standby | 11,098 | 11,096 | 2 | (A): Statement BL, Page BL-3, Line 9 | 11 |
| 13 | | | | | (B): Statement BL, Page BL-17, Line 43 | 12 |
| 14 | Grand Total | $ 716,366 | $ 716,311 | $ 55 | Sum Lines 1 through 12 | 13 |

NOTES:

[1] Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Development of 12-CP Allocation Factors
Rate Effective Period - Twelve Months Ending December 31, 2016

| Line No. | (A) Customer Class | (B) 5-year Average Of 12 CPs Kilowatt @ Meter Level | (C) Transmission Loss Factors | (D) = (B) x (C) 5-year Average Of 12 CPs Kilowatt @ Transmission Level | (E) Ratio | Reference [1] | Line No. |
|---|---|---|---|---|---|---|---|
| 1 | Five-year Average - 12-CP Allocation Factors: | | | | | | 1 |
| 2 | Residential | 16,022,144 | 1.0457 | 16,754,356 | 41.76% | Statement BB, Page BB-1, Line 1 | 2 |
| 3 | Small Commercial | 4,154,078 | 1.0457 | 4,343,919 | 10.83% | Statement BB, Page BB-1, Line 2 | 3 |
| 4 | Medium & Large Commercial/Industrial | | | | | | 4 |
| 5 | Secondary | 12,681,960 | 1.0457 | 13,261,525 | 33.05% | Statement BB, Page BB-1, Line 4 | 5 |
| 6 | Primary | 3,282,796 | 1.0108 | 3,318,250 | 8.27% | Statement BB, Page BB-1, Line 5 | 6 |
| 7 | Transmission | 1,313,118 | 1.0000 | 1,313,118 | 3.27% | Statement BB, Page BB-1, Line 6 | 7 |
| 8 | Total Med. & Large Comm./Ind. | 17,277,874 | 1.0356 | 17,892,894 | 44.60% | Sum Lines 5; 6; 7 | 8 |
| 9 | | | | | | | 9 |
| 10 | Agricultural | | | | | | 10 |
| 11 | Secondary | 318,945 | 1.0457 | 333,521 | 0.83% | Statement BB, Page BB-1, Line 10 | 11 |
| 12 | Primary | 27,805 | 1.0108 | 28,105 | 0.07% | Statement BB, Page BB-1, Line 11 | 12 |
| 13 | Transmission | - | 1.0000 | - | 0.00% | Statement BB, Page BB-1, Line 12 | 13 |
| 14 | Total Agricultural | 346,750 | 1.0429 | 361,626 | 0.90% | Sum Lines 11; 12; 13 | 14 |
| 15 | | | | | | | 15 |
| 16 | Street Lighting | 141,169 | 1.0457 | 147,620 | 0.37% | Statement BB, Page BB-1, Line 15 | 16 |
| 17 | Standby | | | | | | 17 |
| 18 | Secondary | 34,351 | 1.0457 | 35,921 | 0.09% | Statement BB, Page BB-1, Line 17 | 18 |
| 19 | Primary | 370,228 | 1.0108 | 374,226 | 0.93% | Statement BB, Page BB-1, Line 18 | 19 |
| 20 | Transmission | 211,414 | 1.0000 | 211,414 | 0.53% | Statement BB, Page BB-1, Line 19 | 20 |
| 21 | Total Standby | 615,993 | 1.0090 | 621,561 | 1.55% | Sum Lines 18; 19; 20 | 21 |
| 22 | | | | | | | 22 |
| 23 | System Total | 38,558,008 | | 40,121,977 | 100.00% | Sum Lines 2; 3; 8; 14; 16; 21 | 23 |

NOTES:

[1] Reference data found in Statement BB.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Information
Development of 12-CP Allocation Factors
Rate Effective Period - Twelve Months Ending December 31, 201

| Line No. | (A) Customer Class | (B) Forecast Demand Determinants Megawatt @ Meter Level | (C) Transmission Loss Factors [1] | (D) = (B) x (C) Forecast Demand Determinants Megawatt @ Transmission Level | (E) Ratios | Reference [2] | Line No. |
|---|---|---|---|---|---|---|---|
| 1 | Forecast Demand Determinants fo | | | | | | 1 |
| 2 | Medium & Large Commercial/Industrial Customers: | | | | | | 2 |
| 3 | Non-Coincident Demand Determinants Pertaining to | | | | | | 3 |
| 4 | Customers on Schedule AD @ 100% NCD Rate | | | | | | 4 |
| 5 | Secondary | 150 | 1.0457 | 157 | 98.74% | Statement BG, Page BGWP-1, Line 42 | 5 |
| 6 | Primary | 2 | 1.0108 | 2 | 1.26% | Statement BG, Page BGWP-1, Line 43 | 6 |
| 7 | Transmission | - | 1.0000 | - | 0.00% | Statement BG, Page BGWP-1, Line 44 | 7 |
| 8 | Total | 152 | | 159 | 100.00% | Sum Lines 5; 6; 7 | 8 |
| 9 | | | | | | | 9 |
| 10 | Non-Coincident Demand Determinants Pertaining to | | | | | | 10 |
| 11 | Customers on Schedules AL-TOU, AY-TOU, DGR | | | | | | 11 |
| 12 | @ 90% NCD Rate | | | | | | 12 |
| 13 | with Maximum On-Peak Period Demand | | | | | | 13 |
| 14 | Secondary | 20,009 | 1.0457 | 20,924 | 83.35% | Statement BG, Page BGWP-2, Line 69 | 14 |
| 15 | Primary | 3,909 | 1.0108 | 3,951 | 15.74% | Statement BG, Page BGWP-2, Line 70 | 15 |
| 16 | Transmission | 229 | 1.0000 | 229 | 0.91% | Statement BG, Page BGWP-2, Line 71 | 16 |
| 17 | Total | 24,147 | | 25,104 | 100.00% | Sum Lines 14; 15; 16 | 17 |
| 18 | | | | | | | 18 |
| 19 | Non-Coincident Demand Determinants Pertaining to | | | | | | 19 |
| 20 | Customers on Schedule A6-TOU @ 90% NCD Rate | | | | | | 20 |
| 21 | with Maximum Demand at the Time of System Peak | | | | | | 21 |
| 22 | Secondary | - | 1.0457 | - | 0.00% | Statement BG, Page BGWP-3, Line 105 | 22 |
| 23 | Primary | 202 | 1.0108 | 204 | 15.03% | Statement BG, Page BGWP-3, Line 106 | 23 |
| 24 | Transmission | 1,153 | 1.0000 | 1,153 | 84.97% | Statement BG, Page BGWP-3, Line 107 | 24 |
| 25 | Total | 1,354 | | 1,357 | 100.00% | Sum Lines 22; 23; 24 | 25 |
| 26 | | | | | | | 26 |
| 27 | Total Non-Coincident Demand Determinants fo | | | | | | 27 |
| 28 | Medium & Large Commercial/Industrial Customers | | | | | | 28 |
| 29 | Secondary | 20,159 | 1.0457 | 21,081 | 79.20% | Sum Lines 5; 14; 22 | 29 |
| 30 | Primary | 4,112 | 1.0108 | 4,157 | 15.62% | Sum Lines 6; 15; 23 | 30 |
| 31 | Transmission | 1,381 | 1.0000 | 1,381 | 5.19% | Sum Lines 7; 16; 24 | 31 |
| 32 | Total | 25,653 | | 26,619 | 100.00% | Sum Lines 29; 30; 31 | 32 |
| 33 | | | | | | | 33 |
| 34 | Maximum On-Peak Period Demand Determinants | | | | | | 34 |
| 35 | Summer | | | | | | 35 |
| 36 | Secondary | 9,593 | 1.0457 | 10,032 | 81.01% | Statement BG, Page BGWP-2, Line 79 | 36 |
| 37 | Primary | 2,115 | 1.0108 | 2,138 | 17.26% | Statement BG, Page BGWP-2, Line 80 | 37 |
| 38 | Transmission | 214 | 1.0000 | 214 | 1.73% | Statement BG, Page BGWP-2, Line 81 | 38 |
| 39 | Total | 11,922 | | 12,384 | 100.00% | Sum Lines 36; 37; 38 | 39 |
| 40 | Winter | | | | | | 40 |
| 41 | Secondary | 7,891 | 1.0457 | 8,252 | 80.70% | Statement BG, Page BGWP-2, Line 79 | 41 |
| 42 | Primary | 1,768 | 1.0108 | 1,787 | 17.48% | Statement BG, Page BGWP-2, Line 80 | 42 |
| 43 | Transmission | 187 | 1.0000 | 187 | 1.83% | Statement BG, Page BGWP-2, Line 81 | 43 |
| 44 | Total | 9,846 | | 10,226 | 100.00% | Sum Lines 41; 42; 43 | 44 |
| 45 | | | | | | | 45 |
| 46 | Maximum Demand at the Time of | | | | | | 46 |
| 47 | System Peak Determinants | | | | | | 47 |
| 48 | Summer | | | | | | 48 |
| 49 | Secondary | - | 1.0457 | - | 0.00% | Statement BG, Page BGWP-3, Line 115 | 49 |
| 50 | Primary | 84 | 1.0108 | 85 | 15.37% | Statement BG, Page BGWP-3, Line 116 | 50 |
| 51 | Transmission | 468 | 1.0000 | 468 | 84.63% | Statement BG, Page BGWP-3, Line 117 | 51 |
| 52 | Total | 552 | | 553 | 100.00% | Sum Lines 49; 50; 51 | 52 |
| 53 | Winter | | | | | | 53 |
| 54 | Secondary | - | 1.0457 | - | 0.00% | Statement BG, Page BGWP-3, Line 115 | 54 |
| 55 | Primary | 69 | 1.0108 | 69 | 13.56% | Statement BG, Page BGWP-3, Line 116 | 55 |
| 56 | Transmission | 440 | 1.0000 | 440 | 86.44% | Statement BG, Page BGWP-3, Line 117 | 56 |
| 57 | Total | 508 | | 509 | 100.00% | Sum Lines 54; 55; 56 | 57 |
| 58 | | | | | | | 58 |
| 59 | Forecast Demand Determinants for Agricultural Customers | | | | | | 59 |
| 60 | Non-Coincident Demand Determinants Pertaining to | | | | | | 60 |
| 61 | Customers on Schedule PA-T-1 @ 100% Non-Coincident Demand Rate | | | | | | 61 |
| 62 | Secondary | 836 | 1.0457 | 874 | 84.77% | Statement BG, Page BGWP-4, Line 157 | 62 |
| 63 | Primary | 155 | 1.0108 | 157 | 15.23% | Statement BG, Page BGWP-4, Line 158 | 63 |
| 64 | Transmission | - | 1.0000 | - | 0.00% | Statement BG, Page BGWP-4, Line 159 | 64 |
| 65 | Total | 991 | | 1,031 | 100.00% | Sum Lines 62; 63; 64 | 65 |
| 66 | | | | | | | 66 |
| 67 | Forecast Demand Determinants for Standby Customers | | | | | | 67 |
| 68 | Contracted Demand Determinants | | | | | | 68 |
| 69 | Secondary | 115 | 1.0457 | 120 | 5.79% | Statement BG, Page BGWP-4, Line 167 | 69 |
| 70 | Primary | 1,234 | 1.0108 | 1,247 | 60.18% | Statement BG, Page BGWP-4, Line 168 | 70 |
| 71 | Transmission | 705 | 1.0000 | 705 | 34.03% | Statement BG, Page BGWP-4, Line 169 | 71 |
| 72 | Total | 2,053 | | 2,072 | 100.00% | Sum Lines 69; 70; 71 | 72 |

NOTES:

[1] LF = Transmission Loss Factor: Secondary Level = 1.0457; Primary Level = 1.0108; Transmission Level = 1.0000.

[2] Reference data found in Statement BG.

# San Diego Gas & Electric Company

# ATTACHMENT E

# Statement BL for VGI RS Rate

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Summary of Reliability Service Retail and Wholesale Rates

| Line No. | Customer Classes | (a) Transmission Level Energy Rates $/kWh | (b) Transmission Level Demand Rates $/kW-Mo | (c) Primary Level Demand Rates $/kW-Mo | (d) Secondary Level Demand Rates $/kW-Mo | Reference | Line No. |
|---|---|---|---|---|---|---|---|
| 1 | Residential | $ 0.00013 | | | | Statement BL, Page 7, Line 15 | 1 |
| 2 | | | | | | | 2 |
| 3 | Small Commercial | $ 0.00014 | | | | Statement BL, Page 8, Line 15 | 3 |
| 4 | | | | | | | 4 |
| 5 | Medium & Large Commercial/Industrial [1] | $ 0.00001 | $ 0.04 | $ 0.04 | $ 0.04 | Statement BL, Page 9, Lines 9, 36, 35, 34 | 5 |
| 6 | Vehicle Grid Integration Pilot Program (Schedule VGI) | $ 0.00011 | | | | Statement BL, Page 10, Line 15 | 6 |
| 7 | | | | | | | 7 |
| 8 | Agricultural (Schedules PA, TOU-PA and PA-T-1) | | | | | | 8 |
| 9 | Schedules PA and TOU-PA | $ 0.00007 | | | | Statement BL, Page 11, Line 15 | 9 |
| 10 | Schedule PA-T-1 | $ 0.00001 | $ 0.02 | $ 0.02 | $ 0.02 | Statement BL, Page 12, Lines 9, 36, 35, 34 | 10 |
| 11 | | | | | | | 11 |
| 12 | Street Lighting | $ 0.00010 | | | | Statement BL, Page 13, Line 15 | 12 |
| 13 | | | | | | | 13 |
| 14 | Standby Rate [2] | | $ 0.02 | $ 0.02 | $ 0.02 | Statement BL, Page 14, Lines 24, 23, 22 | 14 |
| 15 | | | | | | | 15 |
| 16 | Wholesale | $ 0.00012 | | | | Statement BL, Page 2, Line 7 | 16 |

[1] For Medium & Large Commercial/Industrial customers under California Public Utilities Commission tariff Schedule DG-R, the demand rate is applied to customers' monthly maximum demand.

[2] Demand rate applied to standby customers' contract demand.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Wholesale Customers
($000)

| Line No. | Customer Classes | Derivation of Energy Based Rate & Proof of Revenues Calculation | Reference | Line No. |
|---|---|---|---|---|
| 1 | Total RS Revenue Requirements | $ 2,487 | Statement BK, Page 1, Line 18 | 1 |
| 2 | | | | 2 |
| 3 | Total Billing Determinants (MWH) | 20,013,263 | Statement BD, Page 1, Line 13, Col. A | 3 |
| 4 | | | | 4 |
| 5 | Rate Per kWh @ Meter Level | $ 0.00012 | Line 1 / Line 3 | 5 |
| 6 | Primary Level Adjustment Factor | 1.0108 | Loss Adjustment Factor | 6 |
| 7 | Rate Per kWh @ Primary Level | $ 0.00012 | Line 5 / Line 6, Rounded to 5 Decimal Places | 7 |
| 8 | | | | 8 |
| 9 | Wholesale Billing Determinants (MWH) @ Meter Level | 37 | Statement BD, Page 1, Line 13, Col. B | 9 |
| 10 | | | | 10 |
| 11 | Total Wholesale Revenues | $ 0.00 | Line 7 x Line 9 | 11 |
| 12 | Total RS Revenue Requirements | $ 2,487 | Line 1 | 12 |
| 13 | Less: Wholesale Revenues | $ 0.00 | Line 11 | 13 |
| 14 | RS Revenues Applicable to Retail | $ 2,487 | Line 12 - Line 13 | 14 |
| 15 | | | | 15 |
| 16 | RS Demand Revenues | $ 2,348 | Statement BK, Page 2, Line 5, Col. A | 16 |
| 17 | RS Energy Revenues | $ 139 | Statement BK, Page 2, Line 11, Col. A - Line 11 | 17 |
| 18 | Total RS Revenues Applicable to Retail | $ 2,487 | Line 16 + Line 17 | 18 |

Statement BL
Rate Design Information
SAN DIEGO GAS AND ELECTRIC COMPANY
Allocation of Demand Costs Component of Reliability Service (RS) Revenues
Based on 12 CP Method @ Transmission Level
($000)

| Line No. | Customer Classes | (a) Demand Costs Component of RS Revenue Requirements | (b) Allocation Ratios Based on 12 CP From Statement BB | (c) = Line 13 (a) x (b) Allocation of Revenue Requirements Based on 12 CP | Reference | Line No. |
|---|---|---|---|---|---|---|
| 1 | Residential Customers | | 41.76% | $ 981 | Line 13, Col. A x Line 1, Col. B | 1 |
| 2 | | | | | | 2 |
| 3 | Small Commercial | | 10.83% | 254 | Line 13, Col. A x Line 3, Col. B | 3 |
| 4 | | | | | | 4 |
| 5 | Medium-Large Commercial/Industrial | | 44.60% | 1,047 | Line 13, Col. A x Line 5, Col. B | 5 |
| 6 | | | | | | 6 |
| 7 | Agricultural (Schedules PA, TOU-PA and PA-T-1) | | 0.90% | 21 | Line 13, Col. A x Line 7, Col. B | 7 |
| 8 | | | | | | 8 |
| 9 | Street Lighting | | 0.37% | 9 | Line 13, Col. A x Line 9, Col. B | 9 |
| 10 | | | | | | 10 |
| 11 | Standby Revenues | | 1.55% | 36 | Line 13, Col. A x Line 11, Col. B | 11 |
| 12 | | | | | | 12 |
| 13 | Grand Total | $ 2,348 | 100.00% | $ 2,348 | Sum Lines 1 thru 11, Col. B | 13 |

Statement BL
Rate Design Information
SAN DIEGO GAS AND ELECTRIC COMPANY
Allocation of Energy Costs Component of Reliability Service (RS) Revenues
Based on Energy Sales @ Transmission Level
($000)

| Line No. | Customer Classes | (a) Energy Costs Component of RS Revenue Requirements | (b) Energy Sales @ Transmission Level; From Statement BD | (c) Allocation Percentages Based on Energy Sales | (d) Allocation of Revenue Requirements Based on Energy | Reference | Line No. |
|---|---|---|---|---|---|---|---|
| 1 | Residential Customers | | 8,032,416 | 38.57% | $ 53 | Line 13, Col. A x Line 1, Col. C | 1 |
| 2 | | | | | | | 2 |
| 3 | Small Commercial | | 2,013,686 | 9.67% | 13 | Line 13, Col. A x Line 3, Col. C | 3 |
| 4 | | | | | | | 4 |
| 5 | Medium-Large Commercial/Industrial | | 10,354,572 | 49.72% | 69 | Line 13, Col. A x Line 5, Col. C | 5 |
| 6 | | | | | | | 6 |
| 7 | Agricultural (Schedules PA, TOU-PA and PA-T-1) | | 329,950 | 1.58% | 2 | Line 13, Col. A x Line 7, Col. C | 7 |
| 8 | | | | | | | 8 |
| 9 | Street Lighting | | 94,983 | 0.46% | 1 | Line 13, Col. A x Line 9, Col. C | 9 |
| 10 | | | | | | | 10 |
| 11 | Standby Revenues | | - | 0.00% | - | Line 13, Col. A x Line 11, Col. C | 11 |
| 12 | | | | | | | 12 |
| 13 | Grand Total | $ 139 | 20,825,607 | 100.00% | $ 139 | Sum Lines 1 thru 11 | 13 |

Statement BL
Rate Design Information
SAN DIEGO GAS AND ELECTRIC COMPANY
Allocation of Reliability Service (RS) Revenues Requirements
Based on Energy Sales and 12 CP Methodology @ Transmission Level
($000)

| Line No. | Customer Classes | (a) Demand Related RS Revenue Requirements | (b) Energy Related RS Revenue Requirements | (c) = (a) + (b) Total RS Revenue Requirements | (d) = (c) / (c) Line 13 (%) | Reference | Line No. |
|---|---|---|---|---|---|---|---|
| 1 | Residential Customers | $ 981 | $ 53 | $ 1,034 | 41.58% | Statement BL, Pages 3 & 4, Line 1 | 1 |
| 2 | | | | | | | 2 |
| 3 | Small Commercial | 254 | 13 | 268 | 10.76% | Statement BL, Pages 3 & 4, Line 3 | 3 |
| 4 | | | | | | | 4 |
| 5 | Medium-Large Commercial/Industrial | 1,047 | 69 | 1,116 | 44.88% | Statement BL, Pages 3 & 4, Line 5 | 5 |
| 6 | | | | | | | 6 |
| 7 | Agricultural (Schedules PA, TOU-PA and PA-T-1) | 21 | 2 | 23 | 0.94% | Statement BL, Pages 3 & 4, Line 7 | 7 |
| 8 | | | | | | | 8 |
| 9 | Street Lighting Customers | 9 | 1 | 9 | 0.37% | Statement BL, Pages 3 & 4, Line 9 | 9 |
| 10 | | | | | | | 10 |
| 11 | Standby Customers | 36 | - | 36 | 1.46% | Statement BL, Pages 3 & 4, Line 11 | 11 |
| 12 | | | | | | | 12 |
| 13 | Grand Total | $ 2,348 | $ 139 | $ 2,487 | 100.00% | Sum Lines 1 thru 11 | 13 |

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Proof of Revenues
($000)

| Line No. | Customer Classes | (a) Total Revenues Allocated Based On 12 CPs & Energy Sales | (b) Total Revenues At Changed Rates | (c) Difference | Reference | Line No. |
|---|---|---|---|---|---|---|
| 1 | Residential Customers | $ 1,034 | $ 999 | $ 36 | Statement BL, Pages 5, Line 1, Col. C; Statement BL, Page 7, Line 11 | 1 |
| 2 | | | | | | 2 |
| 3 | Small Commercial Customers | $ 268 | 270 | (2) | Statement BL, Page 5, Line 3, Col. C; Statement BL, Page 8, Line 11 | 3 |
| 4 | | | | | | 4 |
| 5 | Medium-Large Commercial/Industrial Customers | $ 1,116 | 1,126 | (10) | Statement BL, Page 5, Line 5, Col. C; Statement BL, Page 9, Line 44 | 5 |
| 6 | | | | | | 6 |
| 7 | Agricultural Customers (Schedules PA, TOU-PA and PA-T-1) | $ 23 | 28 | (4) | Statement BL, Page 5, Line 7, Col. C; Statement BL, Page 10, Line 19 and Page 11, Line 44 | 7 |
| 8 | | | | | | 8 |
| 9 | Street Lighting Customers | $ 9 | 9 | 0 | Statement BL, Page 5, Line 9, Col. C; Statement BL, Page 12, Line 11 | 9 |
| 10 | | | | | | 10 |
| 11 | Standby Customers | $ 36 | 41 | (5) | Statement BL, Page 5, Line 11, Col. C; Statement BL, Page 13, Line 30 | 11 |
| 12 | | | | | | 12 |
| 13 | Grand Total | $ 2,487 | $ 2,472 | $ 15 | | 13 |

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Residential Customers[1]
($000)

| Line No. | Customer Classes | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference | Line No. |
|---|---|---|---|---|---|
| 1 | RS Revenues Allocated to Residential Customers | $ | 1,034 | Statement BL, Page 5, Line 1, Col. C | 1 |
| 2 | | | | | 2 |
| 3 | Billing Determinants - Residential Customer Class @ MWH: | | 7,681,377 | Statement BD, Page 2, Line 1, Col. A | 3 |
| 4 | | | | | 4 |
| 5 | Residential Energy Rate Per kWh | $ | 0.0001346 | Line 1 / Line 3 | 5 |
| 6 | | | | | 6 |
| 7 | Residential Energy Rate Per kWh - Rounded | $ | 0.00013 | Line 5 Rounded to 5 Decimal places | 7 |
| 8 | | | | | 8 |
| 9 | Total Class Revenues @ Proposed Rates | $ | 999 | Line 3 x Line 7 | 9 |
| 10 | | | | | 10 |
| 11 | Total Class Revenues @ Proposed Rates | $ | 999 | Line 9 | 11 |
| 12 | | | | | 12 |
| 13 | Difference | $ | 36 | Line 1 - Line 11 | 13 |
| 14 | | | | | 14 |
| 15 | Total Residential Rate | $ | 0.00013 | Line 7 | 15 |

Notes:

[1] Residential customers include the following California Public Utilities Commission (CPUC) tariffs:
DR, DR-LI, DR-TOU, DR-SES, DM, DS, DT, DT-RV, TOU-DR, EV-TOU, EV-TOU-2.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Small Commercial Customers[1]
($000)

| Line No. | Customer Classes | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference | Line No. |
|---|---|---|---|---|---|
| 1 | RS Revenues Allocated to Small Commercial Customers | $ | 268 | Statement BL, Page 5, Line 3, Col. C | 1 |
| 2 | | | | | 2 |
| 3 | Billing Determinants - Small Commercial @ MWH: | | 1,925,682 | Statement BD, Page 2, Line 2, Col. A | 3 |
| 4 | | | | | 4 |
| 5 | Rate Per kWh Calculation | $ | 0.0001390 | Line 1 / Line 3 | 5 |
| 6 | | | | | 6 |
| 7 | Rate Per kWh Calculation - Rounded | $ | 0.00014 | Line 5 Rounded to 5 Decimal places | 7 |
| 8 | | | | | 8 |
| 9 | Total Class Revenues @ Proposed Rates | $ | 270 | Line 3 x Line 7 | 9 |
| 10 | | | | | 10 |
| 11 | Total Class Revenues @ Proposed Rates | $ | 270 | Line 9 | 11 |
| 12 | | | | | 12 |
| 13 | Difference | $ | (2) | Line 1 - Line 11 | 13 |
| 14 | | | | | 14 |
| 15 | Total Small Commercial Rate | $ | 0.00014 | Line 7 | 15 |

Notes:

[1] Small commercial customers include the following California Public Utilities Commission (CPUC) tariffs: A, A-TC, A-TOU, and TOU-A.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Informatio
Medium and Large Commercial Customers[1]
($000)

| Line No. | Customer Classes | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference | Line No. |
|---|---|---|---|---|---|
| 1 | Total RS Revenues Allocated to Medium & Large Commercial Customer | $ | 1,116 | Statement BL, Page 5, Line 5, Col. C | 1 |
| 2 | | | | | 2 |
| 3 | Medium & Large Commercial RS Revenues Related to Energy | $ | 69 | Statement BL, Page 5, Line 5, Col. E | 3 |
| 4 | | | | | 4 |
| 5 | Total Energy Sales (MWh) | | 9,998,822 | Statement BD, Page 2, Line 7, Col. A | 5 |
| 6 | | | | | 6 |
| 7 | Energy Rate Per Unit @ $/kWh | $ | 0.0000069 | Line 3 / Line 5 | 7 |
| 8 | | | | | 8 |
| 9 | Energy Rate Per Unit @ $/kWh (Rounded) | $ | 0.00001 | Line 7 Rounded to 5 Decimal places | 9 |
| 10 | | | | | 10 |
| 11 | Total RS Revenues Related to Energy @ Proposed Rates | $ | 100 | Line 5 x Line 9 | 11 |
| 12 | | | | | 12 |
| 13 | | | | | 13 |
| 14 | Medium & Large Commercial RS Revenues Related to Demand | $ | 1,047 | Statement BL, Page 5, Line 5, Col. A | 14 |
| 15 | | | | | 15 |
| 16 | *Allocation of Class Demand Revenue Requirements to Voltage Level:* [2] | | | | 16 |
| 17 | RS Revenues @ Secondary Level - 79.19% | $ | 829 | Line 14 x Statement BL, Page 16, Line 30, Col. E | 17 |
| 18 | RS Revenues @ Primary Level - 15.62% | | 164 | Line 14 x Statement BL, Page 16, Line 31, Col. E | 18 |
| 19 | RS Revenues @ Transmission Level - 5.19% | | 54 | Line 14 x Statement BL, Page 16, Line 32, Col. E | 19 |
| 20 | Total Class Revenues Related to Demand | $ | 1,047 | Sum Lines 17; 18; & 19 | 20 |
| 21 | | | | | 21 |
| 22 | *Demand Determinants By Voltage Level @ Meter (Monthly Max-Demand): MW* | | | | 22 |
| 23 | Secondary | | 20,159 | Statement BL, Page 17, Line 14 | 23 |
| 24 | Primary | | 4,112 | Statement BL, Page 17, Line 15 | 24 |
| 25 | Transmission | | 1,381 | Statement BL, Page 17, Line 16 | 25 |
| 26 | Total | | 25,653 | Sum Lines 23; 24; & 25 | 26 |
| 27 | | | | | 27 |
| 28 | Demand Rate By Voltage @ Meter $/kW | | | | 28 |
| 29 | Secondary | $ | 0.04114 | Line 17 / Line 23 | 29 |
| 30 | Primary | $ | 0.03977 | Line 18 / Line 24 | 30 |
| 31 | Transmission | $ | 0.03934 | Line 19 / Line 25 | 31 |
| 32 | | | | | 32 |
| 33 | Demand Rate By Voltage @ Meter (Rounded) $/kW | | | | 33 |
| 34 | Secondary | $ | 0.04 | Line 29 Rounded to 2 Decimal places | 34 |
| 35 | Primary | $ | 0.04 | Line 30 Rounded to 2 Decimal places | 35 |
| 36 | Transmission | $ | 0.04 | Line 31 Rounded to 2 Decimal places | 36 |
| 37 | | | | | 37 |
| 38 | Proof of Revenue Calculations | | | | 38 |
| 39 | Secondary | $ | 806 | Line 23 x Line 34 | 39 |
| 40 | Primary | | 164 | Line 24 x Line 35 | 40 |
| 41 | Transmission | | 55 | Line 25 x Line 36 | 41 |
| 42 | Total Class Revenues Related to Demand @ Proposed Rates | $ | 1,026 | Sum Lines 39; 40; & 41 | 42 |
| 43 | | | | | 43 |
| 44 | Total Class RS Revenues @ Proposed Rates | $ | 1,126 | Line 11 + Line 42 | 44 |
| 45 | | | | | 45 |
| 46 | Difference | $ | 10 | Line 44 - Line 1 | 46 |

Notes:
[1] Medium-Large commercial customers include the following California Public Utilities Commission (CPUC) tariffs: AD, AY-TOU, AL-TOU, A6-TOU, DG-R, and OL-TOU.
[2] On lines 17 -19, the percentages shown in the reference column are based on ratios developed from the 12-CP Allocation Factors demands shown on Statement BL, page 15, lines 30 - 32, column (d). In developing the ratios, the demand determinants were converted to transmission level by applying the following loss fact
a) Secondary = 1.0457; b) Primary = 1.0108; and c) Transmission = 1.0000

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Vehicle Grid Integration (VGI) Pilot Customers[1]
($000)

| Line No. | Customer Classes | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference | Line No. |
|---|---|---|---|---|---|
| 1 | RS Revenues Allocated to VGI Pilot | $ | 1,116 | Statement BL, Page 5, Line 5, Col. C | 1 |
| 2 | | | | | 2 |
| 3 | Billing Determinants - VGI Pilot @ MWH: | | 9,998,822 | Statement BD, Page 2, Line 8, Col. A | 3 |
| 4 | | | | | 4 |
| 5 | Rate Per kWh Calculation | $ | 0.0001116 | Line 1 / Line 3 | 5 |
| 6 | | | | | 6 |
| 7 | Rate Per kWh Calculation - Rounded | $ | 0.00011 | Line 5 Rounded to 5 Decimal places | 7 |
| 8 | | | | | 8 |
| 9 | Total Class Revenues @ Proposed Rates | $ | 1,100 | Line 3 x Line 7 | 9 |
| 10 | | | | | 10 |
| 11 | Total Class Revenues @ Proposed Rates | $ | 1,100 | Line 9 | 11 |
| 12 | | | | | 12 |
| 13 | Difference | $ | 16 | Line 1 - Line 11 | 13 |
| 14 | | | | | 14 |
| 15 | Total VGI Pilot Rate | $ | 0.00011 | Line 7 | 15 |

Notes:

[1] The California Public Utilities Commission (CPUC) tariff offered to customers participating on the Vehicle Grid Integration (VGI) Pilot: Schedule VGI

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Agricultural - Schedules PA and TOU-PA Customers[1]
($000)

| Line No. | Customer Classes | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference | Line No. |
|---|---|---|---|---|---|
| 1 | RS Revenues Allocated to Agricultural Customers | $ | 23 | Statement BL, Page 5, Line 7, Col. C | 1 |
| 2 | | | | | 2 |
| 3 | Billing Determinants - Agricultural @ MWH: | | 316,511 | Statement BD, Page 2, Lines 10 and 16, Col. A | 3 |
| 4 | | | | | 4 |
| 5 | Rate Per kWh Calculation [2] | $ | 0.0000738 | Line 1 / Line 3 | 5 |
| 6 | | | | | 6 |
| 7 | Rate Per kWh Calculation - Rounded | $ | 0.00007 | Line 5 Rounded to 5 Decimal places | 7 |
| 8 | | | | | 8 |
| 9 | Total Class Revenues @ Proposed Rates | $ | 22 | Line 3 x Line 7 | 9 |
| 10 | | | | | 10 |
| 11 | Total Class Revenues @ Proposed Rates | $ | 22 | Line 9 | 11 |
| 12 | | | | | 12 |
| 13 | Difference | $ | 1 | Line 1 - Line 11 | 13 |
| 14 | | | | | 14 |
| 15 | Total Agricultural Rate for Schedule PA and TOU-PA | $ | 0.00007 | Line 7 | 15 |
| 16 | | | | | 16 |
| 17 | Schedules PA and TOU-PA Billing Determinants (MWh) | $ | 83,162 | Statement BD, Page 2, Lines 10, Col. A | 17 |
| 18 | | | | | 18 |
| 19 | Annual Revenues from Schedules PA and TOU-PA Energy Rates | $ | 6 | Line 15 x Line 17 | 19 |
| 20 | | | | | 20 |
| 21 | Revenues Allocated to Schedule PA-T-1 [3] | $ | 18 | Line 1 - Line 19 | 21 |

Notes:

[1] The RS rates for customers on California Public Utilities Commission (CPUC) agricultural tariffs Schedules PA and TOU-PA are 100% energy rates.

[2] The RS rate for customers on Schedules PA and TOU-PA is set equal to the total RS revenues allocated to the Agricultural class divided by the total billing determinants for the Agricultural class.

[3] Revenues Allocated to Schedule PA-T-1 equals the total Agricultural class RS revenues minus the annual revenues from Schedules PA and TOU-PA.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Agricultural - Schedule PA-T-1 Customers[1]
($000)

| Line No. | Customer Classes | Derivation of Commodity Rate & Proof of Revenues Calculation | Reference | Line No. |
|---|---|---|---|---|
| 1 | Total RS Revenues Allocated to Schedule PA-T-1 Agricultural Customers | $ 18 | Statement BL, Page 11, Line 21 | 1 |
| 2 | | | | 2 |
| 3 | Schedule PA-T-1 RS Revenues Related to Energy | $ 2 | (Statement BL, Page 5, Line 7, Col. B / Line 7, Col. C) x Line 1 | 3 |
| 4 | | | | 4 |
| 5 | Total PA-T-1 Energy Sales (MWh) | 233,349 | Statement BD, Page 2, Line 16, Col. A | 5 |
| 6 | | | | 6 |
| 7 | PA-T-1 Energy Rate Per Unit @ $/kWh | $ 0.0000071 | Line 3 / Line 5 | 7 |
| 8 | | | | 8 |
| 9 | PA-T-1 Energy Rate Per Unit @ $/kWh (Rounded) | $ 0.00001 | Line 7 Rounded to 5 Decimal places | 9 |
| 10 | | | | 10 |
| 11 | Total RS PA-T-1 Revenues Related to Energy @ Proposed Rates | $ 2 | Line 5 x Line 9 | 11 |
| 12 | | | | 12 |
| 13 | | | | 13 |
| 14 | Schedule PA-T-1 RS Revenues Related to Demand | $ 16 | Line 1 - Line 11 | 14 |
| 15 | | | | 15 |
| 16 | *Allocation of PA-T-1 Demand Revenue Requirements to Voltage Level:* [2] | | | 16 |
| 17 | RS Revenues @ Secondary Level - 84.82% | $ 13 | Line 14 x Statement BL, Page 16, Line 39, Col. D | 17 |
| 18 | RS Revenues @ Primary Level - 15.18% | 2 | Line 14 x Statement BL, Page 16, Line 40, Col. D | 18 |
| 19 | RS Revenues @ Transmission Level - 0.00% | - | Line 14 x Statement BL, Page 16, Line 41, Col. D | 19 |
| 20 | Total PA-T-1 Revenues Related to Demand | $ 16 | Sum Lines 17; 18; & 19 | 20 |
| 21 | | | | 21 |
| 22 | *Demand Determinants By Voltage Level @ Meter (Monthly Max-Demand): MW* | | | 22 |
| 23 | Secondary | 836 | Statement BL, Page 17, Line 21 | 23 |
| 24 | Primary | 155 | Statement BL, Page 17, Line 22 | 24 |
| 25 | Transmission | - | Statement BL, Page 17, Line 23 | 25 |
| 26 | Total PA-T-1 | 991 | Sum Lines 23; 24; & 25 | 26 |
| 27 | | | | 27 |
| 28 | PA-T-1 Demand Rate By Voltage @ Meter $/kW | | | 28 |
| 29 | Secondary | $ 0.01612 | Line 17 / Line 23 | 29 |
| 30 | Primary | $ 0.01559 | Line 18 / Line 24 | 30 |
| 31 | Transmission [3] | $ 0.01542 | (Statement BL, Page 9, Line 31 / Page 9, Line 30 ) x Line 30 | 31 |
| 32 | | | | 32 |
| 33 | PA-T-1 Demand Rate By Voltage @ Meter (Rounded) $/kW | | | 33 |
| 34 | Secondary | $ 0.02 | Line 29 Rounded to 2 Decimal places | 34 |
| 35 | Primary | $ 0.02 | Line 30 Rounded to 2 Decimal places | 35 |
| 36 | Transmission | $ 0.02 | Line 31 Rounded to 2 Decimal places | 36 |
| 37 | | | | 37 |
| 38 | Proof of Revenue Calculations: | | | 38 |
| 39 | Secondary | $ 17 | Line 23 x Line 34 | 39 |
| 40 | Primary | 3 | Line 24 x Line 35 | 40 |
| 41 | Transmission | - | Line 25 x Line 36 | 41 |
| 42 | Total Schedule PA-T-1 Revenues Related to Demand @ Proposed Rates | $ 20 | Sum Lines 39; 40; & 41 | 42 |
| 43 | | | | 43 |
| 44 | Total Schedule PA-T-1 RS Revenues @ Proposed Rates | $ 22 | Line 11 + Line 42 | 44 |
| 45 | | | | 45 |
| 46 | Difference | $ 4 | Line 44 - Line 1 | 46 |

Notes:

[1] The RS rates for customers on California Public Utilities Commission (CPUC) agricultural tariff Schedules PA-T-1 reflect non-coincident demand charges and energy rates

[2] On lines 17 -19, the percentages shown in the reference column are based on ratios developed from the 12-CP Allocation Factors demands shown on Statement BL, page 15, lines 39 - 41, column (d). In developing the ratios, the demand determinants were converted to transmission level by applying the following loss factors a) Secondary = 1.0457; b) Primary = 1.0108; and c) Transmission = 1.0000.

[3] Because there are no forecasted determinants for PA-T-1 at the Transmission Voltage Level, the rate differential between AL-TOU Primary and Transmission rates was used to determine the PA-T-1 Transmission Rate.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Street Lighting Customers[1]
($000)

| Line No. | Customer Classes | Derivation of Commodity Rate & Proof of Revenues Calculation | | Reference | Line No. |
|---|---|---|---|---|---|
| 1 | RS Revenues Allocated to Street Lighting Customers | $ | 9 | Statement BL, Page 5, Line 9, Col. C | 1 |
| 2 | | | | | 2 |
| 3 | Billing Determinants - Street Lighting Customers @ kWh | | 90,832 | Statement BD, Page 2, Line 18, Col. A | 3 |
| 4 | | | | | 4 |
| 5 | Rate Per kWh Calculation | $ | 0.0001021 | Line 1 / Line 3 | 5 |
| 6 | | | | | 6 |
| 7 | Rate Per kWh Calculation - Rounded | $ | 0.00010 | Line 5 Rounded to 5 Decimal places | 7 |
| 8 | | | | | 8 |
| 9 | Proof of Revenues: | $ | 9 | Line 3 x Line 7 | 9 |
| 10 | | | | | 10 |
| 11 | Total Class Revenues @ Proposed Rates | $ | 9 | Line 9 | 11 |
| 12 | | | | | 12 |
| 13 | Difference | $ | 0 | Line 1 - Line 11 | 13 |
| 14 | | | | | 14 |
| 15 | Total Street Lighting Rate | $ | 0.00010 | Line 7 | 15 |

Notes:
[1] Street lighting customers include the following California Public Utilities Commission (CPUC) tariffs: DWL, OL-1, OL-2, LS-1, LS-2, and LS-3.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Standby Customers[1]
($000)

| Line No. | Customer Classes | Derivation of Standby Surcharge & Proof of Revenues Calculation | Reference | Line No. |
|---|---|---|---|---|
| 1 | Derivation of Demand Rate: | | | 1 |
| 2 | Demand Revenue Requirement | $ 36 | Statement BL, Page 5, Line 11, Col. C | 2 |
| 3 | | | | 3 |
| 4 | ***Allocation of Revenue Requirements to Voltage Level:*** [2] | | | 4 |
| 5 | RS Revenues @ Secondary Level - 5.78% | $ 2 | Line 2 x Statement BL, Page 16, Line 47, Col. D | 5 |
| 6 | RS Revenues @ Primary Level - 60.21% | 22 | Line 2 x Statement BL, Page 16, Line 48, Col. D | 6 |
| 7 | RS Revenues @ Transmission Level - 34.01% | 12 | Line 2 x Statement BL, Page 16, Line 49, Col. D | 7 |
| 8 | Total Class Revenue Requirement | $ 36 | Sum Lines 5; 6; & 7 | 8 |
| 9 | | | | 9 |
| 10 | Demand Determinants By Voltage Level @ Meter (Contract Demand) MW | | | 10 |
| 11 | Secondary | 115 | Statement BL, Page 17, Line 28 | 11 |
| 12 | Primary | 1,234 | Statement BL, Page 17, Line 29 | 12 |
| 13 | Transmission | 705 | Statement BL, Page 17, Line 30 | 13 |
| 14 | Total | 2,053 | Sum Lines 11; 12; & 13 | 14 |
| 15 | | | | 15 |
| 16 | Demand Rate By Voltage Level @ Meter $/kW | | | 16 |
| 17 | Secondary | $ 0.01836 | Line 5 / Line 11 | 17 |
| 18 | Primary | $ 0.01775 | Line 6 / Line 12 | 18 |
| 19 | Transmission | $ 0.01756 | Line 7 / Line 13 | 19 |
| 20 | | | | 20 |
| 21 | Demand Rate By Voltage Level @ Meter (Rounded) $/kW | | | 21 |
| 22 | Secondary | $ 0.02 | Line 17 Rounded to 2 Decimal places | 22 |
| 23 | Primary | $ 0.02 | Line 18 Rounded to 2 Decimal places | 23 |
| 24 | Transmission | $ 0.02 | Line 19 Rounded to 2 Decimal places | 24 |
| 25 | | | | 25 |
| 26 | Proof of Revenue Calculations: | | | 26 |
| 27 | Secondary | $ 2 | Line 11 x Line 22 | 27 |
| 28 | Primary | 25 | Line 12 x Line 23 | 28 |
| 29 | Transmission | 14 | Line 13 x Line 24 | 29 |
| 30 | Total Class Revenue Requirement @ Proposed Rates | $ 41 | Sum Lines 27; 28; & 29 | 30 |
| 31 | | | | 31 |
| 32 | Difference | $ 5 | Line 30 - Line 1 | 32 |

Notes:

[1] Standby customers include the following California Public Utilities Commission (CPUC) tariffs: S.

[2] On lines 17 -19, the percentages shown in the reference column are based on ratios developed from the 12-CP Allocation Factors demands shown on Statement BL, page 15, lines 47 - 49, column (d). In developing the ratios, the demand determinants were converted to transmission level by applying the following loss factors: a) Secondary = 1.0457; b) Primary = 1.0108; and c) Transmission = 1.0000.

San Diego Gas & Electric Company
2016 Reliability Service - Rate Design Information

| Line No | | Total RS Costs | Reference | Line No |
|---|---|---|---|---|
| 1 | ***TOTAL RS DEMAND COSTS:*** | | | 1 |
| 2 | Demand Costs | $ 2,320 | Statement BK, Page 2, Line 2 | 2 |
| 3 | Franchise Fees @ 1.0310% | 24 | Line 2 x 1.0310% | 3 |
| 4 | Uncollectible Rate @.174% | 4 | Line 2 x 0.174% | 4 |
| 5 | Total Demand Costs | $ 2,348 | Sum Lines 2; 3; & 4 | 5 |
| 6 | | | | 6 |
| 7 | ***TOTAL RS ENERGY COSTS:*** | | | 7 |
| 8 | Energy Costs | $ 137 | Statement BK, Page 2, Line 8 | 8 |
| 9 | Franchise Fees @ 1.0310% | 1 | Line 8 x 1.0310% | 9 |
| 10 | Uncollectible Rate @.174% | 0 | Line 8 x 0.174% | 10 |
| 11 | Total Energy Costs | $ 139 | Sum Lines 8; 9; & 10 | 11 |
| 12 | | | | 12 |
| 13 | Total Energy Sales - MWh @ Retail Meter Level | 20,013,226 | Statement BL, Page 17, Line 10 | 13 |
| 14 | Average Rate Per kWh | $ 0.00001 | Line 11 / Line 13 | 14 |
| 15 | | | | 15 |
| 16 | ***TOTAL RS REVENUE REQUIREMENTS*** | $ 2,487 | Line 5 + Line 11 | 16 |

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
Rate Design Informatior
2016 Reliability Service - Rate Design Information
Development of 12-CP Allocation Factor

| Line No. | Customer Class | (a) 5 Year Average Ending 12/31/2012 Of 12 CPs Kilowatt @ Meter Level | (b) Transmission Loss Factors | (c) = (a) x (b) 5 Year Average Ending 12/31/2012 Of 12 CPs Kilowatt @ Transmission Level | (d) 12 CP Allocation Factors @ Transmission Level | (e) Demand Determinant Allocation Factors | Line No. |
|---|---|---|---|---|---|---|---|
| 1 | 5 Year Average - 12 CP Allocation Factors | | | | | | 1 |
| 2 | Residential Customers | 16,022,144 | 1.0457 | 16,754,356 | 41.76% | | 2 |
| 3 | Small Commercial Customers | 4,154,078 | 1.0457 | 4,343,919 | 10.83% | | 3 |
| 4 | Medium-Large Commercial Customers | | | | | | 4 |
| 5 | Secondary | 12,681,960 | 1.0457 | 13,261,525 | 33.05% | 74.12% | 5 |
| 6 | Primary | 3,282,796 | 1.0108 | 3,318,250 | 8.27% | 18.55% | 6 |
| 7 | Transmission | 1,313,118 | 1.0000 | 1,313,118 | 3.27% | 7.34% | 7 |
| 8 | Total Medium-Large Commercial | 17,277,874 | | 17,892,894 | 44.60% | 100.01% | 8 |
| 9 | | | | | | | 9 |
| 10 | Agricultural | | | | | | 10 |
| 11 | Secondary | 318,945 | 1.0457 | 333,521 | 0.83% | 92.23% | 11 |
| 12 | Primary | 27,805 | 1.0108 | 28,105 | 0.07% | 7.77% | 12 |
| 13 | Transmission | - | 1.0000 | - | 0.00% | 0.00% | 13 |
| 14 | Total Agricultural | 346,750 | | 361,626 | 0.90% | 100.00% | 14 |
| 15 | | | | | | | 15 |
| 16 | Standby Customers (Served Load Information | | | | | | 16 |
| 17 | Secondary | 34,351 | 1.0457 | 35,921 | 0.09% | 5.78% | 17 |
| 18 | Primary | 370,228 | 1.0108 | 374,226 | 0.93% | 60.21% | 18 |
| 19 | Transmission | 211,414 | 1.0000 | 211,414 | 0.53% | 34.01% | 19 |
| 20 | Total Standby Customers | 615,993 | | 621,561 | 1.55% | 100.00% | 20 |
| 21 | | | | | | | 21 |
| 22 | Street Lighting | 141,169 | 1.0457 | 147,620 | 0.37% | | 22 |
| 23 | | | | | | | 23 |
| 24 | System Total | 38,558,008 | | 40,121,977 | 100.00% | | 24 |
| 25 | | | | | | | 25 |
| 26 | | | | | Med.& Lrg. C-I Cust. | | 26 |
| 27 | | | | Transmission | Allocation Factors | | 27 |
| 28 | Medium-Large Commercial Customers | Meter Level | | Level | @ Voltage Level | | 28 |
| 29 | Demand Determinants - (Non-Coincident Demand | | | | | | 29 |
| 30 | Secondary | 20,159 | 1.0457 | 21,081 | 79.19% | | 30 |
| 31 | Primary | 4,112 | 1.0108 | 4,157 | 15.62% | | 31 |
| 32 | Transmission | 1,381 | 1.0000 | 1,381 | 5.19% | | 32 |
| 33 | Total | 25,653 | | 26,619 | 100.00% | | 33 |
| 34 | | | | | | | 34 |
| 35 | | | | | Schedule PA-T-1 Cust. | | 35 |
| 36 | | | | Transmission | Allocation Factors | | 36 |
| 37 | | Meter Level | | Level | @ Voltage Level | | 37 |
| 38 | Agricultural - Schedule PA-T-1 | | | | | | 38 |
| 39 | Secondary | 836 | 1.0457 | 874 | 84.82% | | 39 |
| 40 | Primary | 155 | 1.0108 | 157 | 15.18% | | 40 |
| 41 | Transmission | - | 1.0000 | - | 0.00% | | 41 |
| 42 | Total | 991 | | 1,031 | 100.00% | | 42 |
| 43 | | | | | | | 43 |
| 44 | | | | | Standby Cust. | | 44 |
| 45 | | | | Transmission | Allocation Factors | | 45 |
| 46 | Standby Customers Billings Information | Meter Level | | Level | @ Voltage Level | | 46 |
| 47 | Billing Determinants - (Contracted Standby Demand | | | | | | 47 |
| 48 | Secondary | 115 | 1.0457 | 120 | 5.77917% | | 48 |
| 49 | Primary | 1,234 | 1.0108 | 1,247 | 60.20748% | | 49 |
| 50 | Transmission | 705 | 1.0000 | 705 | 34.01335% | | 50 |
| 51 | Total | 2,053 | | 2,072 | 100.00% | | 51 |

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
2016 Reliability Service - Rate Design Information
Forecasted Billing Determinants

| Line No. | ***January 2016 - December 2016 - Forecasted Sales Information:*** | (MWH) |
|---|---|---|
| 1 | Residential | 7,681,377 |
| 2 | Small Commercial | 1,925,682 |
| 3 | Med & Lrg Commercial/Industrial | 9,998,822 |
| 4 | Agricultural | 316,511 |
| 5 | Street Lighting | 90,832 |
| 6 | Sale For Resale | 37 |
| 7 | | |
| 8 | Total Energy Sales (MWH) | 20,013,263 |
| 9 | | |
| 10 | Total Energy Sales (MWH) - Excluding Resale | 20,013,226 |
| 11 | | |
| 12 | | |
| 13 | ***Med & Lrg Commercial/Industrial Customers - (Non-Coincident Demand):*** | |
| 14 | Secondary | 20,159 |
| 15 | Primary | 4,112 |
| 16 | Transmission | 1,381 |
| 17 | | |
| 18 | Total Non-Coincident Demand | 25,653 |
| 19 | | |
| 20 | ***Agricultural - Schedule PA-T-1 - (Non-Coincident Demand):*** | |
| 21 | Secondary | 836 |
| 22 | Primary | 155 |
| 23 | Transmission | - |
| 24 | | |
| 25 | Total Non-Coincident Demand | 991 |
| 26 | | |
| 27 | ***Standby - Contract Demand By Voltage Level:*** | |
| 28 | Secondary | 115 |
| 29 | Primary | 1,234 |
| 30 | Transmission | 705 |
| 31 | | |
| 32 | Total Contract Demand | 2,053 |

## San Diego Gas & Electric
## FERC Forecasted Period: January 2016 - December 2016

| Line No. | SDG&E: System Delivery Determinants<br>Customer Class Deliveries (MWh) | Jan-16 | Feb-16 | Mar-16 | Apr-16 | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Nov-16 | Dec-16 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 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 |
| 2 | 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 |
| 3 | Med. & Large Comm./Ind. (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 |
| 4 | Med. & Large Comm./Ind. (Excluding AD/A6-TOU) | 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 |
| 5 | Med. & Large Comm./Ind. (A6-TOU) | 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 |
| 6 | Agriculture (PA and TOU-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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Sale for Resale | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 37.3 |
| 10 | **Total System** | **1,721,620** | **1,599,010** | **1,559,171** | **1,510,609** | **1,541,348** | **1,613,144** | **1,781,128** | **1,776,122** | **1,937,643** | **1,694,614** | **1,612,917** | **1,665,936** | **20,013,263** |
| 11 | | | | | | | | | | | | | | |
| 12 | **Med. & Large Comm./Ind.** | | | | | | | | | | | | | |
| 13 | **Rate Schedule Billing Determinants** | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | |
| 15 | **Schedule AD:** | **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** |
| 16 | **Total Deliveries (MWh)** | 2,950 | 2,922 | 2,944 | 2,825 | 2,916 | 3,034 | 3,173 | 3,208 | 3,517 | 3,117 | 2,884 | 2,791 | 36,281 |
| 17 | | | | | | | | | | | | | | |
| 18 | **Total Deliveries (%)** | | | | | | | | | | | | | |
| 19 | % @ Secondary Service | 97.49% | 97.49% | 97.49% | 97.49% | 97.49% | 97.49% | 97.49% | 97.49% | 97.49% | 97.49% | 97.49% | 97.49% | 97.49% |
| 20 | % @ Primary Service | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% |
| 21 | % @ Transmission Service | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 22 | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 23 | **Total Deliveries (MWh)** | | | | | | | | | | | | | |
| 24 | MWh @ Secondary Service | 2,876 | 2,848 | 2,870 | 2,755 | 2,843 | 2,958 | 3,093 | 3,128 | 3,428 | 3,039 | 2,812 | 2,721 | 35,370 |
| 25 | MWh @ Primary Service | 74 | 73 | 74 | 71 | 73 | 76 | 80 | 81 | 88 | 78 | 72 | 70 | 911 |
| 26 | MWh @ Transmission Service | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | | 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 |
| 28 | **Non-Coincident Demand (%)** | | | | | | | | | | | | | |
| 29 | % @ Secondary Service | 0.4245% | 0.4245% | 0.4245% | 0.4245% | 0.4245% | 0.4245% | 0.4245% | 0.4245% | 0.4245% | 0.4245% | 0.4245% | 0.4245% | 0.4245% |
| 30 | % @ Primary Service | 0.2102% | 0.2102% | 0.2102% | 0.2102% | 0.2102% | 0.2102% | 0.2102% | 0.2102% | 0.2102% | 0.2102% | 0.2102% | 0.2102% | 0.0000% |
| 31 | % @ Transmission Service | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% |
| 32 | | | | | | | | | | | | | | |
| 33 | **Non-Coincident Demand (MW)** | | | | | | | | | | | | | |
| 34 | MW @ Secondary Service | 12.207 | 12.092 | 12.185 | 11.693 | 12.067 | 12.556 | 13.131 | 13.277 | 14.553 | 12.899 | 11.937 | 11.551 | 150.147 |
| 35 | MW @ Primary Service | 0.156 | 0.154 | 0.155 | 0.149 | 0.154 | 0.160 | 0.167 | 0.169 | 0.186 | 0.164 | 0.152 | 0.147 | 1.914 |
| 36 | MW @ Transmission Service | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 37 | | 12.362 | 12.246 | 12.341 | 11.842 | 12.221 | 12.716 | 13.298 | 13.447 | 14.739 | 13.063 | 12.089 | 11.698 | 152.062 |
| 38 | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | |

| | Schedules AL-TOU / AY-TOU / DG-R/OL-TOU: | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Deliveries (MWh)** | | 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 |
| | | | | | | | | | | | | | | |
| **Total Deliveries (%)** | | | | | | | | | | | | | | |
| % @ Secondary Service | | 79.20% | 79.20% | 79.20% | 79.20% | 79.20% | 79.20% | 79.20% | 79.20% | 79.20% | 79.20% | 79.20% | 79.20% | 79.20% |
| % @ Primary Service | | 19.48% | 19.48% | 19.48% | 19.48% | 19.48% | 19.48% | 19.48% | 19.48% | 19.48% | 19.48% | 19.48% | 19.48% | 19.48% |
| % @ Transmission Service | | 1.32% | 1.32% | 1.32% | 1.32% | 1.32% | 1.32% | 1.32% | 1.32% | 1.32% | 1.32% | 1.32% | 1.32% | 1.32% |
| | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| **Total Deliveries (MWh)** | | | | | | | | | | | | | | |
| MWh @ Secondary Service | | 585,718 | 573,006 | 567,302 | 565,803 | 585,088 | 612,891 | 657,782 | 645,682 | 696,046 | 629,149 | 600,710 | 580,781 | 7,299,957 |
| MWh @ Primary Service | | 144,063 | 140,936 | 139,533 | 139,165 | 143,908 | 150,746 | 161,788 | 158,812 | 171,199 | 154,745 | 147,750 | 142,849 | 1,795,494 |
| MWh @ Transmission Service | | 9,762 | 9,550 | 9,455 | 9,430 | 9,751 | 10,215 | 10,963 | 10,761 | 11,601 | 10,486 | 10,012 | 9,680 | 121,666 |
| | | 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 |
| **Non-Coincident Demand (%)** | | | | | | | | | | | | | | |
| % @ Secondary Service | | 0.2741% | 0.2741% | 0.2741% | 0.2741% | 0.2741% | 0.2741% | 0.2741% | 0.2741% | 0.2741% | 0.2741% | 0.2741% | 0.2741% | 0.2741% |
| % @ Primary Service | | 0.2177% | 0.2177% | 0.2177% | 0.2177% | 0.2177% | 0.2177% | 0.2177% | 0.2177% | 0.2177% | 0.2177% | 0.2177% | 0.2177% | 0.2177% |
| % @ Transmission Service | | 0.1881% | 0.1881% | 0.1881% | 0.1881% | 0.1881% | 0.1881% | 0.1881% | 0.1881% | 0.1881% | 0.1881% | 0.1881% | 0.1881% | 0.1881% |
| | | | | | | | | | | | | | | |
| **Non-Coincident Demand (MW)** | | | | | | | | | | | | | | |
| MW @ Secondary Service | | 1,605.452 | 1,570.610 | 1,554.975 | 1,550.867 | 1,603.725 | 1,679.934 | 1,802.980 | 1,769.814 | 1,907.863 | 1,724.497 | 1,646.545 | 1,591.921 | 20,009.181 |
| MW @ Primary Service | | 313.625 | 306.819 | 303.764 | 302.962 | 313.287 | 328.175 | 352.212 | 345.733 | 372.701 | 336.880 | 321.652 | 310.982 | 3,908.791 |
| MW @ Transmission Service | | 18.362 | 17.964 | 17.785 | 17.738 | 18.342 | 19.214 | 20.621 | 20.242 | 21.821 | 19.724 | 18.832 | 18.207 | 228.854 |
| | | 1,937.439 | 1,895.392 | 1,876.524 | 1,871.566 | 1,935.355 | 2,027.323 | 2,175.813 | 2,135.789 | 2,302.384 | 2,081.101 | 1,987.030 | 1,921.110 | 24,146.826 |
| **On-Peak Demand (%)** | | | | | | | | | | | | | | |
| % @ Secondary Service | | 0.2272% | 0.2272% | 0.2272% | 0.2272% | 0.2507% | 0.2507% | 0.2507% | 0.2507% | 0.2507% | 0.2507% | 0.2272% | 0.2272% | 0.2395% |
| % @ Primary Service | | 0.2069% | 0.2069% | 0.2069% | 0.2069% | 0.2247% | 0.2247% | 0.2247% | 0.2247% | 0.2247% | 0.2247% | 0.2069% | 0.2069% | 0.2162% |
| % @ Transmission Service | | 0.3227% | 0.3227% | 0.3227% | 0.3227% | 0.3349% | 0.3349% | 0.3349% | 0.3349% | 0.3349% | 0.3349% | 0.3227% | 0.3227% | 0.3291% |
| | | | | | | | | | | | | | | |
| **On-Peak Demand (MW)** | | | | | | | | | | | | | | |
| MW @ Secondary Service | | 1,330.750 | 1,301.870 | 1,288.910 | 1,285.505 | 1,466.814 | 1,536.518 | 1,649.059 | 1,618.724 | 1,744.988 | 1,577.276 | 1,364.813 | 1,319.534 | 17,484.761 |
| MW @ Primary Service | | 298.066 | 291.597 | 288.695 | 287.932 | 323.361 | 338.727 | 363.537 | 356.850 | 384.685 | 347.712 | 305.695 | 295.554 | 3,882.411 |
| MW @ Transmission Service | | 31.502 | 30.818 | 30.511 | 30.431 | 32.658 | 34.210 | 36.715 | 36.040 | 38.851 | 35.117 | 32.308 | 31.236 | 400.397 |
| | | 1,660.318 | 1,624.286 | 1,608.116 | 1,603.868 | 1,822.833 | 1,909.454 | 2,049.311 | 2,011.614 | 2,168.524 | 1,960.105 | 1,702.816 | 1,646.325 | 21,767.569 |

| | Schedule A6-TOU: | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | **Total Deliveries (MWh)** | 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 |
| 79 | | | | | | | | | | | | | | |
| 80 | **Total Deliveries (%)** | | | | | | | | | | | | | |
| 81 | % @ Secondary Service | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 82 | % @ Primary Service | 13.96% | 13.96% | 13.96% | 13.96% | 13.96% | 13.96% | 13.96% | 13.96% | 13.96% | 13.96% | 13.96% | 13.96% | 13.96% |
| 83 | % @ Transmission Service | 86.04% | 86.04% | 86.04% | 86.04% | 86.04% | 86.04% | 86.04% | 86.04% | 86.04% | 86.04% | 86.04% | 86.04% | 86.04% |
| 84 | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 85 | **Total Deliveries (MWh)** | | | | | | | | | | | | | |
| 86 | MWh @ Secondary Service | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | MWh @ Primary Service | 9,000 | 7,766 | 7,227 | 8,164 | 8,762 | 8,230 | 9,214 | 8,776 | 9,636 | 8,541 | 9,536 | 9,210 | 104,061 |
| 88 | MWh @ Transmission Service | 55,472 | 47,861 | 44,543 | 50,320 | 54,003 | 50,724 | 56,789 | 54,088 | 59,388 | 52,638 | 58,772 | 56,765 | 641,363 |
| 89 | | 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 |
| 90 | **Non-Coincident Demand (%)** | | | | | | | | | | | | | |
| 91 | % @ Secondary Service | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% |
| 92 | % @ Primary Service | 0.1937% | 0.1937% | 0.1937% | 0.1937% | 0.1937% | 0.1937% | 0.1937% | 0.1937% | 0.1937% | 0.1937% | 0.1937% | 0.1937% | 0.1937% |
| 93 | % @ Transmission Service | 0.1797% | 0.1797% | 0.1797% | 0.1797% | 0.1797% | 0.1797% | 0.1797% | 0.1797% | 0.1797% | 0.1797% | 0.1797% | 0.1797% | 0.1797% |
| 94 | | | | | | | | | | | | | | |
| 95 | **Non-Coincident Demand (MW)** | | | | | | | | | | | | | |
| 96 | MW @ Secondary Service | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 97 | MW @ Primary Service | 17.434 | 15.042 | 13.999 | 15.814 | 16.972 | 15.941 | 17.848 | 16.999 | 18.664 | 16.543 | 18.471 | 17.840 | 201.567 |
| 98 | MW @ Transmission Service | 99.682 | 86.007 | 80.044 | 90.424 | 97.043 | 91.150 | 102.050 | 97.197 | 106.720 | 94.591 | 105.613 | 102.007 | 1,152.529 |
| 99 | | 117.116 | 101.049 | 94.043 | 106.239 | 114.015 | 107.092 | 119.898 | 114.196 | 125.385 | 111.134 | 124.083 | 119.847 | 1,354.095 |
| 100 | **Coincident Peak Demand (%)** | | | | | | | | | | | | | |
| 101 | % @ Secondary Service | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% |
| 102 | % @ Primary Service | 0.1346% | 0.1346% | 0.1346% | 0.1346% | 0.1586% | 0.1586% | 0.1586% | 0.1586% | 0.1586% | 0.1586% | 0.1346% | 0.1346% | 0.1469% |
| 103 | % @ Transmission Service | 0.1401% | 0.1401% | 0.1401% | 0.1401% | 0.1428% | 0.1428% | 0.1428% | 0.1428% | 0.1428% | 0.1428% | 0.1401% | 0.1401% | 0.1415% |
| 104 | | | | | | | | | | | | | | |
| 105 | **Coincident Peak Demand (MW)** | | | | | | | | | | | | | |
| 106 | MW @ Secondary Service | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107 | MW @ Primary Service | 12.114 | 10.452 | 9.728 | 10.989 | 13.896 | 13.053 | 14.613 | 13.919 | 15.282 | 13.545 | 12.835 | 12.397 | 152.824 |
| 108 | MW @ Transmission Service | 77.716 | 67.054 | 62.405 | 70.498 | 77.116 | 72.433 | 81.095 | 77.238 | 84.806 | 75.167 | 82.339 | 79.528 | 907.395 |
| 109 | | 89.830 | 77.506 | 72.133 | 81.487 | 91.013 | 85.486 | 95.708 | 91.157 | 100.088 | 88.712 | 95.174 | 91.925 | 1,060.220 |
| 110 | | | | | | | | | | | | | | |
| 111 | | | | | | | | | | | | | | |
| 112 | | | | | | | | | | | | | | |
| 113 | **Med. & Large Comm./Ind.** | | | | | | | | | | | | | |
| 114 | **Total Service Voltage Determinants** | | | | | | | | | | | | | |
| 115 | | | | | | | | | | | | | | |
| 116 | **Deliveries (MWh)** | **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** |
| 117 | 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 |
| 118 | | | | | | | | | | | | | | |
| 119 | **Deliveries (MWh)** | | | | | | | | | | | | | |
| 120 | MWh @ Secondary Service | 588,593 | 575,855 | 570,172 | 568,558 | 587,930 | 615,849 | 660,875 | 648,810 | 699,475 | 632,187 | 603,522 | 583,502 | 7,335,327 |
| 121 | MWh @ Primary Service | 153,137 | 148,775 | 146,834 | 147,400 | 152,743 | 159,052 | 171,081 | 167,668 | 180,923 | 163,364 | 157,358 | 152,129 | 1,900,466 |
| 122 | MWh @ Transmission Service | 65,233 | 57,412 | 53,998 | 59,750 | 63,754 | 60,939 | 67,752 | 64,850 | 70,989 | 63,124 | 68,783 | 66,445 | 763,029 |
| 123 | | 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 |
| 124 | **Non-Coincident Demand (MW)** | | | | | | | | | | | | | |
| 125 | MW @ Secondary Service | 1,617.658 | 1,582.702 | 1,567.160 | 1,562.560 | 1,615.792 | 1,692.490 | 1,816.111 | 1,783.091 | 1,922.416 | 1,737.395 | 1,658.482 | 1,603.472 | 20,159.329 |
| 126 | MW @ Primary Service | 331.214 | 322.015 | 317.918 | 318.925 | 330.413 | 344.276 | 370.227 | 362.901 | 391.551 | 353.588 | 340.275 | 328.969 | 4,112.272 |
| 127 | MW @ Transmission Service | 118.045 | 103.971 | 97.829 | 108.162 | 115.386 | 110.365 | 122.671 | 117.439 | 128.541 | 114.314 | 124.445 | 120.214 | 1,381.383 |
| 128 | | 2,066.917 | 2,008.687 | 1,982.908 | 1,989.647 | 2,061.591 | 2,147.131 | 2,309.009 | 2,263.431 | 2,442.508 | 2,205.297 | 2,123.202 | 2,052.655 | 25,652.983 |
| 129 | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | |
| 131 | | | | | | | | | | | | | | |

| | Schedules PA-T-1 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Deliveries (MWh)** | | 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 Deliveries (%)** | | | | | | | | | | | | | | |
| % @ Secondary Service | | 87.40% | 87.40% | 87.40% | 87.40% | 87.40% | 87.40% | 87.40% | 87.40% | 87.40% | 87.40% | 87.40% | 87.40% | 87.40% |
| % @ Primary Service | | 12.60% | 12.60% | 12.60% | 12.60% | 12.60% | 12.60% | 12.60% | 12.60% | 12.60% | 12.60% | 12.60% | 12.60% | 12.60% |
| % @ Transmission Service | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| **Total Deliveries (MWh)** | | | | | | | | | | | | | | |
| MWh @ Secondary Service | | 12,606 | 12,532 | 12,508 | 14,246 | 17,211 | 19,915 | 22,043 | 21,182 | 22,248 | 19,107 | 16,434 | 13,916 | 203,947 |
| MWh @ Primary Service | | 1,817 | 1,807 | 1,803 | 2,054 | 2,481 | 2,871 | 3,178 | 3,054 | 3,207 | 2,755 | 2,369 | 2,006 | 29,402 |
| MWh @ Transmission Service | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 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 |
| **Non-Coincident Demand (%)** | | | | | | | | | | | | | | |
| % @ Secondary Service | | 0.4099% | 0.4099% | 0.4099% | 0.4099% | 0.4099% | 0.4099% | 0.4099% | 0.4099% | 0.4099% | 0.4099% | 0.4099% | 0.4099% | 0.4099% |
| % @ Primary Service | | 0.5266% | 0.5266% | 0.5266% | 0.5266% | 0.5266% | 0.5266% | 0.5266% | 0.5266% | 0.5266% | 0.5266% | 0.5266% | 0.5266% | 0.5266% |
| % @ Transmission Service | | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% |
| | | | | | | | | | | | | | | |
| **Non-Coincident Demand (MW)** | | | | | | | | | | | | | | |
| MW @ Secondary Service | | 51.672 | 51.369 | 51.269 | 58.394 | 70.548 | 81.633 | 90.353 | 86.827 | 91.195 | 78.318 | 67.362 | 57.040 | 835.980 |
| MW @ Primary Service | | 9.570 | 9.514 | 9.496 | 10.815 | 13.066 | 15.119 | 16.734 | 16.081 | 16.890 | 14.505 | 12.476 | 10.564 | 154.831 |
| MW @ Transmission Service | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | 61.242 | 60.883 | 60.765 | 69.209 | 83.614 | 96.752 | 107.087 | 102.908 | 108.085 | 92.824 | 79.838 | 67.604 | 990.811 |
| **On-Peak Demand (%)** | | | | | | | | | | | | | | |
| % @ Secondary Service | | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% |
| % @ Primary Service | | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% |
| % @ Transmission Service | | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% | 0.0000% |
| | | | | | | | | | | | | | | |
| **On-Peak Demand (MW)** | | | | | | | | | | | | | | |
| MW @ Secondary Service | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MW @ Primary Service | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| MW @ Transmission Service | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

| | Schedule S: Standby Determinants: | Jan-16 | Feb-16 | Mar-16 | Apr-16 | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Nov-16 | Dec-16 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Contracted Standby Demand (MW)** | | | | | | | | | | | | | | |
| MW @ Secondary Service | | 9.542 | 9.542 | 9.542 | 9.542 | 9.542 | 9.542 | 9.542 | 9.542 | 9.542 | 9.542 | 9.542 | 9.542 | 114.504 |
| MW @ Primary Service | | 102.841 | 102.841 | 102.841 | 102.841 | 102.841 | 102.841 | 102.841 | 102.841 | 102.841 | 102.841 | 102.841 | 102.841 | 1,234.092 |
| MW @ Transmission Service | | 58.726 | 58.726 | 58.726 | 58.726 | 58.726 | 58.726 | 58.726 | 58.726 | 58.726 | 58.726 | 58.726 | 58.726 | 704.712 |
| | | 171.109 | 171.109 | 171.109 | 171.109 | 171.109 | 171.109 | 171.109 | 171.109 | 171.109 | 171.109 | 171.109 | 171.109 | 2,053.308 |

ATTESTATION REGARDING SAN DIEGO GAS & ELECTRIC COMPANY'S TRANSMISSION OWNER TARIFF
(APPENDICES VII AND IX)
(18 CFR § 35.13 (d)(7))

I, James Avery, attest that I am Chief Development Officer, San Diego Gas & Electric ("SDG&E"), and to the best of my knowledge and belief, the cost of service statements and supporting data submitted as part of this filing are true, accurate, and current representations of SDG&E's books and other corporate documents.

April 7, 2016

James Avery

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 April 7, 2016 before me, Joyce Ruiz Jeffers, a Notary Public, personally appeared James Avery, 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.

Joyce Ruiz Jeffers, Notary Public

JOYCE RUIZ JEFFERS
COMM. #2095411
NOTARY PUBLIC • CALIFORNIA
SAN DIEGO COUNTY
Commission Expires Jan. 27, 2019

## CERTIFICATE OF SERVICE

I hereby certify that I have this day served an electronic copy of the foregoing document upon each person designated on the official service list compiled by the Secretary in Docket No. ER13-941-000. In addition, I certify that 1 have also caused the foregoing to be served upon the following:

Arocles Aguilar (via Overnight Mail)
General Counsel
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Roger Collanton (via Overnight Mail)
General Counsel
California Independent System Operator Corporation
250 Outcropping Way
Folsom, CA 95630

Dated at San Diego, California, this 8th day of April, 2016.

*/s/ Tamara Grabowski*
Tamara Grabowski
Legal Administrative Associate
San Diego Gas & Electric Company
8330 Century Park Court, CP32D
San Diego, California 92123