

Application No: A.15-07-014
Exhibit No.: _____
Witness: Jason Bonnett

Application of Southern California Gas Company
(U 904 G) and San Diego Gas & Electric Company
(U 902 G) for Authority to Revise their Natural Gas
Rates Effective January 1, 2017 in this Triennial
Cost Allocation Proceeding Phase 2

A.15-07-014
(Filed July 8, 2015)

PREPARED SUPPLEMENTAL TESTIMONY OF
JASON BONNETT
SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

March 28, 2016

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1 **I. PURPOSE**

2 The purpose of my Prepared Supplemental Testimony on behalf of Southern California
3 Gas Company (SoCalGas) and San Diego Gas & Electric Company (SDG&E) is to respond to
4 items addressed in the March 8, 2016 Administrative Law Judge’s Ruling Directing the
5 Applicants to Serve Written Testimony Regarding Aliso Canyon (Ruling). Specifically, this
6 Supplemental Testimony: (1) provides tables showing SoCalGas and SDG&E’s illustrative
7 proposed rates and revenues both with and without the normal, previously approved costs to own
8 and operate Aliso Canyon; (2) responds to the Ruling’s questions regarding storage cost
9 allocation; and (3) confirms that the rates requested in this proceeding do not include costs
10 incurred in response to the recent gas leak at the Aliso Canyon natural gas storage facility.

11 **II. PROPOSED RATES AND REVENUES WITH AND WITHOUT NORMAL,**
12 **PREVIOUSLY AUTHORIZED ALISO CANYON COSTS**

13 The Ruling requests that SoCalGas and SDG&E provide testimony regarding the
14 following:

15 A table that shows every rate and charge that SoCalGas asks the
16 Commission to adopt in this proceeding, beginning January 1,
17 2017, that includes the recovery of SoCalGas’s normal, previously
18 approved costs to own and operate Aliso Canyon identified in
19 SoCalGas’s response to Item 1, above.¹

20 The Ruling provides a preferred template for the requested rate and revenue information,
21 which clarifies that the rates are requested to be shown both with and without the normal,
22 previously approved costs to own and operate Aliso Canyon,² and the Ruling requests a similar
23 table for SDG&E.³

¹ Ruling at 2.

² *Id.* at 2-3.

³ *Id.* at 3.

1 The attachment to this testimony provides the requested rate and revenue tables
2 (Attachment A). As will be discussed in more detail below, there is only one set of illustrative
3 rates to encompass the years 2017 through 2019. Columns A, B, and C of the tables correspond
4 with the illustrative rates and revenues proposed in the Revised Prepared Direct Testimony of
5 Jason Bonnett dated November 19, 2015. Column D shows the component of each rate that is
6 comprised of the normal, previously approved costs to own and operate Aliso Canyon. Column
7 E and F provide the illustrative proposed rates and revenues excluding the normal, previously
8 approved costs to own and operate Aliso Canyon. Finally, Column G shows the difference
9 between the illustrative proposed rates with and without the normal, previously approved costs to
10 own and operate Aliso Canyon.

11 SoCalGas and SDG&E are directed by the Ruling to “identify all assumptions and source
12 documents used to prepare the table.”⁴ Preparing the illustrative rates and revenues without the
13 normal, previously approved costs to own and operate Aliso Canyon was a two-step process.

14 First, the authorized revenue requirement, which serves as the input to the SoCalGas and
15 SDG&E rate design models, was reduced by the normal, previously approved costs to own and
16 operate Aliso Canyon as identified in the Prepared Supplemental Testimony of Khai Nguyen.
17 Mr. Nguyen’s testimony provides one number that was carried through the rates for the years
18 2017-2019. This is because, as he explained, SoCalGas and SDG&E are awaiting a Commission
19 decision in A.14-11-003/004, the SoCalGas and SDG&E Test Year 2016 GRC. As such, the last
20 year of approved revenue requirement is 2015. SoCalGas’ and SDG&E’s rates presented in this
21 application assume SoCalGas’ and SDG&E’s 2015 approved revenue requirements. This is
22 standard procedure for TCAPs, because in these proceedings the Commission is adopting a
23 process for allocating costs, and is not adopting specific rates. Transportation rates are impacted

⁴ *Id.* at 3.

1 by a number of factors, including annual regulatory account balance updates, annual attrition
2 adjustments, incremental projects (e.g. Advance Meter), and annual adjustments to the gas prices
3 used to calculate various rate components (e.g. Company Use Fuel).

4 Second, the embedded cost of storage needed to be reduced for the normal, previously
5 approved costs to own and operate Aliso Canyon. This reduction is described in the Prepared
6 Supplemental Testimony of Sim-Cheng Fung. This reduction includes costs associated with the
7 Aliso Canyon Turbine Replacement (ACTR) Project approved by the Commission in D.13-11-
8 023 from both the revenue requirement and the embedded costs, since SoCalGas considers this a
9 “normal, previously approved” cost to own and operate Aliso Canyon.

10 The resulting allocation of base margin costs is shown in the following Table 1 for
11 SoCalGas. The table mimics the information and format presented in the Revised Prepared
12 Direct Testimony of Sharim Chaudhury dated November 19, 2015.⁵ The first column excludes
13 the normal, previously approved costs to own and operate Aliso Canyon. The third column is
14 identical to Mr. Chaudhury’s Table 15.

⁵ See Revised Prepared Direct Testimony of Sharim Chaudhury at 31, Table 15.

TABLE 1				
COST ALLOCATION COMPARISON				
\$ 000				
Customer Class	Proposed Allocation of Base Margin without Aliso Canyon		TCAP 2017 Application Allocation of Base Margin	
	A	% Total B	C	% Total D
Residential	\$1,434,273	73.9%	\$1,464,529	73.1%
Core C/I	\$225,055	11.6%	\$232,638	11.6%
Gas A/C	\$60	0.0%	\$64	0.0%
Gas Engine	\$3,832	0.2%	\$3,933	0.2%
NGV	\$13,255	0.7%	\$13,943	0.7%
Total Core	\$1,676,475	86.4%	\$1,715,107	85.7%
Noncore C/I	\$46,992	2.4%	\$49,471	2.5%
Small EG	\$7,843	0.4%	\$8,001	0.4%
Large EG	\$27,469	1.4%	\$31,667	1.6%
EOR	\$5,028	0.3%	\$5,403	0.3%
Total Retail Noncore	\$87,332	4.5%	\$94,542	4.7%
Long Beach	\$1,367	0.1%	\$1,486	0.1%
SDG&E	\$14,374	0.7%	\$20,610	1.0%
Southwest Gas	\$1,323	0.1%	\$1,429	0.1%
Vernon	\$1,019	0.1%	\$1,173	0.1%
DGN	\$737	0.0%	\$885	0.0%
Total Wholesale	\$18,820	1.0%	\$25,583	1.3%
UBS	\$7,451	0.4%	\$17,020	0.8%
BTS	\$150,206	7.7%	\$150,206	7.5%
Total Noncore	\$263,809	13.6%	\$287,351	14.3%
Total SoCalGas⁶	\$1,940,283	100.0%	\$2,002,458	100.0%

⁶ Total SoCalGas = Total Core + Total Noncore

1 **III. RESPONSES TO RULING QUESTIONS REGARDING STORAGE COST**
2 **ALLOCATION**

3 **A. Please cite the specific Phase 1 testimony that is the source of the storage**
4 **revenue and allocations shown in Table 8.⁷**

5 The Prepared Direct Testimony of Sim-Cheng Fung in A.14-12-017 presented the
6 embedded costs of storage. The Prepared Direct Testimony of Steve Watson in A.14-12-017
7 presented the allocation of the embedded costs of storage to the storage functions of injection,
8 inventory, and withdrawal, as well as the storage activities of core, load balancing, and
9 unbundled storage. Table 4 of Mr. Watson’s testimony, titled “Costs By Functions,” shows the
10 2017 proposed core, load balancing, and unbundled storage costs that correspond with Table 8 of
11 my Revised Prepared Direct Testimony in this proceeding.

12 **B. Does SoCalGas seek to admit into the evidentiary record for A.15-07-014 the**
13 **written testimony from Phase 1 (A.14-12-017) that is cited in SoCalGas’**
14 **response to Item 4.a?⁸**

15 No. A.14-12-017 was a separately litigated proceeding that sought to establish, among
16 other things, the costs and allocations of the storage function. That proceeding has been
17 submitted to the Commission for decision. A Motion for Adoption of Settlement Agreement was
18 filed by seven of the ten active parties on August 31, 2015. The results of any Commission
19 decision in A.14-12-017 can be separately incorporated into the rates established for SoCalGas
20 and SDG&E in their subsequent implementation advice letters.

21 **C. Application 15-07-014 at Attachment C, Table 8, does not match Jason**
22 **Bonnett’s testimony at Appendix A, Table 8. Please explain why these two**
23 **tables are different.⁹**

24 In my Revised Prepared Direct Testimony in this proceeding, the illustrative storage
25 revenues were inadvertently omitted from Table 8. The omission does not impact any of the

⁷ Ruling at 3.

⁸ Ruling at 3.

⁹ Ruling at 3.

1 proposed transportation rates included in the other tables. The following is the corrected rate
 2 table 8, which shows the storage costs matching those from the Application.

TABLE 8
Backbone Transmission Service and Storage Rates
Southern California Gas Company
2016 TCAP Phase II Rates

2016 TCAP Phase II Application

	Present Rates			Proposed Rates			Changes		
	Jan-1-15 Volumes Mth	Average Rate \$/th	Jan-1-15 BCAP Vols \$000's	Jan-1-17 Volumes Mth, Mlth	Rate \$/th	Jan-1-17 Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %
	A	B	C	D	E	F	G	H	I
1 Backbone Transmission Service BTS									
2 BTS SFV Reservation Charge \$/dth/day	2,809	\$0.15777	\$161,782	2,818	\$0.18703	\$192,350	\$30,567	\$0.02926	18.5%
3 BTS MFV Reservation Charge \$/dth/day		\$0.12622			\$0.14963				
4 BTS MFV Volumetric Charge \$/dth		\$0.03155			\$0.03741				
5 BTS Interruptible Volumetric Charge \$/dth		\$0.15777			\$0.18703			\$0.02926	18.5%
6									
7									
8 Storage Rates: (incl. HRSMA)									
9 Core \$000			\$52,836			\$65,731	\$12,895		
10 Load Balancing \$000			\$10,260			\$27,834	\$17,575		
11 Unbundled Storage \$000			\$26,476			\$17,020	(\$9,456)		
12			\$89,571			\$110,585	\$21,014		

3
 4 **D. Please provide a detailed explanation of how the storage revenue shown in**
 5 **A.15-07-014 at Attachment C, Table 8, is embedded into the rates, charges,**
 6 **and revenues shown in the other Tables in Appendices C and D of A.15-07-**
 7 **014. The explanation should include cites to the Applicants’ testimony for**
 8 **each step of the process that embeds the storage revenue shown in Table 8 of**
 9 **Appendix C into the rates, charges, and revenues shown in the other Tables**
 10 **in Attachments C and D of A.15-07-014.¹⁰**

11 The Prepared Direct Testimony of Sharim Chaudhury in A.14-12-017 (the Phase 1
 12 TCAP) provides this information. Specifically, Table 1 of that testimony shows the allocation of
 13 storage costs to the various storage functions (i.e. core inventory, injection, and withdrawal; load
 14 balancing inventory, injection, and withdrawal; and unbundled storage inventory, injection, and
 15 withdrawal), while Table 2 of that testimony shows the allocation factors used to incorporate
 16 functionalized storage costs into rates. That process was assumed for the purposes of presenting
 17 Phase 2 illustrative rates. To clarify, in this Phase 2, SoCalGas and SDG&E are not proposing
 18 how this allocation will work. That will be ultimately be decided by the forthcoming decision in

¹⁰ Ruling at 4.

1 A.14-12-017. As noted above, there is an outstanding settlement agreement before the
2 Commission on this topic.

3 **E. Are the costs for Aliso Canyon provided in response to Item 1, above,**
4 **included in the \$110.585 million of storage revenue shown in A.15-07-014 at**
5 **Attachment C, Table 8?**¹¹

6 Yes.

7 **IV. THE RATES PROPOSED IN THIS PROCEEDING EXCLUDE COSTS**
8 **RELATED TO SS-25 WELL LEAK RESPONSE**

9 The Ruling states the following:

10 This proceeding will not set rates and charges to recover costs
11 incurred in response to the recent gas leak in Aliso Canyon. Please
12 state if any such costs are included in the rates and charges that the
13 Applicants ask the Commission to adopt in this proceeding. If the
14 answer is “yes”, the Applicants shall revise their previously served
15 written testimony to remove such costs, and serve the revised
16 testimony with and without redline revisions.¹²

17 As stated previously, in this Phase 2 TCAP SoCalGas and SDG&E are not requesting to
18 recover in proposed rates any costs incurred in response to the recent gas leak at the Aliso
19 Canyon natural gas storage facility. The authorized margin that is reflected in the proposed rates
20 was established by the Commission in D.13-05-010, SoCalGas and SDG&E’s Test Year 2012
21 GRC. SoCalGas and SDG&E are currently awaiting a proposed decision on SoCalGas and
22 SDG&E’s Test Year 2016 GRC, which was litigated well before the discovery of the SS-25 well
23 leak. Any costs related to response to the SS-25 well leak would have to be proposed to the
24 Commission for recovery in a subsequent proceeding. In conclusion, the rates presented in this
25 testimony--as well as the other testimony in this proceeding--do not include costs related to
26 response to the SS-25 well leak.

27 This concludes my Prepared Supplemental Testimony.

¹¹ Ruling at 4.

¹² Ruling at 4.

Attachment A

Requested Rate and Revenue Tables

SoCalGas's Proposed Rates / Charges and Revenues, With & Without Aliso Canyon (2017-2019)							
Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate / Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Residential Customer Charge \$/customer	\$10.00	5,617,752	\$674,130	\$0.00	\$10.00	\$674,130	\$0
Residential Baseline Trans. Rate (without CSITMA adder)	\$0.31211	1,839,570	\$574,155	\$0.01271	\$0.29940	\$550,767	(\$23,387)
Residential Nonbaseline Trans. Rate (without CSITMA adder)	\$0.57211	584,298	\$334,285	\$0.01271	\$0.55940	\$326,857	(\$7,429)
Residential Master Meter Customer Charge \$/customer	\$411.17	57	\$280	\$0.00	\$411.17	\$280	\$0
Residential Master Meter Baseline Trans. Rate (without CSITMA adder)	\$0.10851	9,428	\$1,023	\$0.00055	\$0.10796	\$1,018	(\$5)
Residential Master Meter Nonbaseline Trans. Rate (without CSITMA adder)	\$0.19890	1,863	\$370	-\$0.00281	\$0.20171	\$376	\$5
Residential CSITMA Adder to Volumetric Rate	\$0.00221	1,800,739	\$3,988	\$0.00000	\$0.00221	\$3,988	\$0
Residential CAT Adder to Volumetric Rate	(\$0.00003)	49,671	(\$2)	\$0.00000	(\$0.00003)	(\$2)	\$0
Residential Submeter Credit (\$/unit/day)	(\$0.27386)	148,373	(\$14,831)	\$0.00000	(\$0.27386)	(\$14,831)	\$0
Total Residential			\$1,573,398			\$1,542,582	(\$30,816)
Core Commercial and Industrial Customer Charge \$/customer	\$15	207,317	\$37,317	\$0	\$15	\$37,317	\$0
Core Commercial and Industrial Tier 1 Rate (without CSITMA adder)	\$0.42415	203,321	\$86,238	\$0.01599	\$0.40816	\$82,987	(\$3,251)

SoCalGas's Proposed Rates/ Charges and Revenues, With & Without Aliso Canyon (2017-2019)

Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate / Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Core Commercial and Industrial Tier 2 Rate (without CSITMA adder)	\$0.21152	453,170	\$95,856	\$0.00776	\$0.20376	\$92,339	(\$3,517)
Core Commercial and Industrial Tier 3 Rate (without CSITMA adder)	\$0.06896	366,694	\$25,288	\$0.00224	\$0.06672	\$24,465	(\$823)
Core Commercial and Industrial CSITMA Adder to Volumetric Rate	\$0.00221	1,008,238	\$2,233	\$0.00000	\$0.00221	\$2,233	\$0
CAT Adder to Volumetric Rate	(\$0.00003)	137,753	(\$4)	\$0.00000	(\$0.00003)	(\$4)	\$0
Total Core Commercial and Industrial			\$246,928			\$239,337	(\$7,591)
NGV Customer Charge, P1 \$/customer	\$13	229	\$36	\$0	\$13	\$36	\$0
NGV Customer Charge, P2A \$/customer	\$65	130	\$101	\$0	\$65	\$101	\$0
NGV Uncompressed Rate (without CSITMA adder)	\$0.07472	157,095	\$11,739	\$0.00436	\$0.07037	\$11,055	(\$684)
NGV Compressed Rate (without CSITMA adder)	\$1.03134	2,099	\$2,164	\$0.00000	\$1.03134	\$2,164	\$0
NGV CSITMA Adder to Volumetric Rate	\$0.00221	157,073	\$348	\$0.00000	\$0.00221	\$348	\$0
Total NGV			\$14,388			\$13,704	(\$684)

SoCalGas's Proposed Rates/ Charges and Revenues, With & Without Aliso Canyon (2017-2019)							
Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate / Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Non-Residential Gas Air Conditioning Customer Charge \$/customer	\$150	9	\$16	\$0	\$150	\$16	\$0
Non-Residential Gas Air Conditioning Volumetric Rate (without CSITMA adder)	\$0.07163	772	\$55	\$0.00454	\$0.06709	\$52	(\$4)
Non-Residential Gas Air Conditioning CSITMA adder	\$0.00221	772	\$2	\$0.00000	\$0.00221	\$2	\$0
Non-Residential Gas Air Conditioning CAT Adder to Volumetric Rate	(\$0.00003)	0	\$0	\$0.00000	(\$0.00003)	\$0	\$0
Total Non-Residential Gas Air Conditioning			\$73	\$0.00000		\$70	(\$4)
Engine Customer Charge \$/customer	\$50	712	\$427	\$0	\$50	\$427	\$0
Engine Volumetric Rate (without CSITMA adder)	\$0.09878	20,699	\$2,045	\$0.00000	\$0.09878	\$2,045	\$0
Engine CSITMA adder	\$0.00221	20,699	\$46	\$0.00000	\$0.00221	\$46	\$0
Engine CAT Adder to Volumetric Rate	(\$0.00003)	0	\$0	\$0.00000	(\$0.00003)	\$0	\$0
Total Engine			\$2,518			\$2,518	\$0
Noncore Distribution Customer Charge \$/customer	\$350	584	\$2,452	\$0	\$350	\$2,452	\$0

SoCalGas's Proposed Rates / Charges and Revenues, With & Without Aliso Canyon (2017-2019)							
Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate / Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Noncore Distribution Commercial and Industrial Tier 1 Rate (without CSITMA adder)	\$0.12784	121,573	\$15,542	\$0.00388	\$0.12397	\$15,071	(\$471)
Noncore Distribution Commercial and Industrial Tier 2 Rate (without CSITMA adder)	\$0.07792	205,061	\$15,978	\$0.00228	\$0.07564	\$15,510	(\$467)
Noncore Distribution Commercial and Industrial Tier 3 Rate (without CSITMA adder)	\$0.04598	109,960	\$5,056	\$0.00126	\$0.04472	\$4,918	(\$138)
Noncore Distribution Commercial and Industrial Tier 4 Rate (without CSITMA adder)	\$0.02316	428,508	\$9,924	\$0.00053	\$0.02263	\$9,698	(\$226)
Noncore Distribution Commercial and Industrial CSITMA Adder to Volumetric Rate	\$0.00221	856,666	\$1,897	\$0.00000	\$0.00221	\$1,897	\$0
Total Noncore Distribution Commercial and Industrial			\$50,848			\$49,545	(\$1,303)
Electric Generation Distribution Tier 1 Customer Charge \$/customer	\$50	201	\$121	\$0	\$50	\$121	\$0
Electric Generation Distribution Tier 1 Rate (without GHG adder)	\$0.08413	77,207	\$6,495	\$0.00141	\$0.08272	\$6,387	(\$109)
Electric Generation Distribution Tier 2 Rate (without GHG adder)	\$0.03068	207,889	\$6,378	\$0.00044	\$0.03024	\$6,286	(\$92)
Electric Generation Distribution CARB Adder to Volumetric Rate	\$0.00071	1,838	\$1	\$0.00000	\$0.00071	\$1	\$0

SoCalGas's Proposed Rates/ Charges and Revenues, With & Without Aliso Canyon (2017-2019)

Rate or Charge	A	B	C	D	E	F	G
	Proposed Rate/Charge Jan. 1, 2017	Forecast Volume Jan. 1, 2017	Total Revenue C = A x B	Aliso Canyon Costs	Proposed Rate/ Charge on 1/1/17 Without Aliso Canyon E = A - D	Total Revenue Without Aliso Canyon F = B x E	Change in Total Revenue without Aliso Canyon G = C - F G = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Total Distribution Electric Generation			\$12,995			\$12,795	(\$200)
Transmission Level Service-Commercial & Industrial Reservation Service rate \$/therm/day	\$0.00651			\$0.00097	\$0.00555		\$0
Transmission Level Service-Commercial & Industrial Usage rate (w/ csitma & carb adder) \$/therm	\$0.00619			\$0.00023	\$0.00596		\$0
Transmission Level Service-Commercial & Industrial Class Average rate (w/ csitma & carb adder) \$/therm	\$0.01604			\$0.00169	\$0.01435		\$0
Transmission Level Service- Electric Generation, EOR Reservation Service rate \$/therm/day	\$0.00651			\$0.00097	\$0.00555		\$0
Transmission Level Service-Electric Generation, EOR Usage rate (w/ & carb adder) \$/therm	\$0.00397			\$0.00023	\$0.00375		\$0
Transmission Level Service- Electric Generation, EOR Class Average rate (w/ carb adder) \$/therm	\$0.01382			(\$0.00052)	\$0.01435		\$0
Transmission Level Service- Wholesale Reservation Service rate \$/therm/day	\$0.00650			\$0.00096	\$0.00553		\$0
Transmission Level Service- Wholesale Usage rate (w/ & carb adder) \$/therm	\$0.00326			\$0.00023	\$0.00303		\$0

SoCalGas's Proposed Rates/ Charges and Revenues, With & Without Aliso Canyon (2017-2019)							
Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate / Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Transmission Level Service-Wholesale Class Average rate (w/carb adder) \$/therm	\$0.01308			\$0.00169	\$0.01140		\$0
Average Transmission Level Service	\$0.01383	3,378,340	\$46,723	\$0.00169	\$0.01214	\$41,011	(\$5,712)
Transmission Level Service - SDGE Wholesale	\$0.01396	1,251,556	\$17,469	\$0.00496	\$0.00900	\$11,264	(\$6,206)
Backbone Transmission Service \$/dth/day	\$0.18703	2,818	\$192,350	\$0.00000	\$0.18703	\$192,350	\$0
Unbundled Storage			\$17,020			\$7,451	(\$9,569)
Total Revenue			\$2,174,711			\$2,112,626	(\$62,085)
EOR Customer Charge \$/customer	\$500	17	\$102	\$0	\$500	\$102	\$0
EOR Distribution Rate (without GHG adder)	\$0.04484	137,620	\$6,171	\$0.00070	\$0.04414	\$6,074	(\$97)
EOR Distribution CARB Adder to Volumetric Rate	\$0.00071		\$0	\$0.00000	\$0.00071	\$0	\$0
Total Distribution EOR			\$6,273			\$6,176	(\$97)
Transmission EOR Average	\$0.01311	93,950	\$1,232	\$0.00169	\$0.01142	\$1,073	(\$159)
Total EOR			\$7,505			\$7,249	(\$256)

SDG&E's Proposed Rates / Charges and Revenues, With & Without Aliso Canyon (2017-2019)							
Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate / Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F G = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Residential Customer Charge \$/customer	\$10.00	884,624	\$106,155	\$0.00	\$10.00	\$106,155	\$0
Residential Baseline Trans. Rate (without CSITMA adder)	\$0.33753	215,947	\$72,888	\$0.01226	\$0.32527	\$70,240	(\$2,648)
Residential Nonbaseline Trans. Rate (without CSITMA adder)	\$0.59753	104,035	\$62,164	\$0.01226	\$0.58527	\$60,888	(\$1,276)
Residential CSITMA Adder to Volumetric Rate	\$0.00112	258,048	\$288	\$0.00000	\$0.00112	\$288	\$0
Residential Submeter Credit - GS (\$/unit/day)	(\$0.38268)	5,870	(\$820)	\$0.00000	(\$0.38268)	(\$820)	\$0
Residential Submeter Credit - GT (\$/unit/day)	(\$0.40932)	27,189	(\$4,062)	\$0.00000	(\$0.40932)	(\$4,062)	\$0
LNG Facility Charge, domestic use \$/month	\$14.79	321	\$57	\$0.00	\$14.79	\$57	\$0
LNG Volumetric Surcharge \$/th	\$0.16571	74	\$12	\$0.00000	\$0.16571	\$12	\$0
Employee Discount			(\$349)			(\$349)	\$0
City of San Diego Franchise Fee Differential			\$1,092			\$1,075	(\$18)
Total Residential			\$237,425			\$233,484	(\$3,941)
Core Commercial and Industrial Customer Charge \$/customer	\$10	30,265	\$3,632	\$0	\$10	\$3,632	\$0

SDG&E's Proposed Rates / Charges and Revenues, With & Without Aliso Canyon (2017-2019)							
Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate/ Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F G = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Core Commercial and Industrial Tier 1 Rate (without CSITMA adder)	\$0.21448	82,658	\$17,729	\$0.00623	\$0.20825	\$17,214	(\$515)
Core Commercial and Industrial Tier 2 Rate (without CSITMA adder)	\$0.08958	84,219	\$7,544	\$0.00623	\$0.08335	\$7,019	(\$525)
Core Commercial and Industrial Tier 3 Rate (without CSITMA adder)	\$0.05429	15,783	\$857	\$0.00623	\$0.04806	\$759	(\$98)
Core Commercial and Industrial CSITMA Adder to Volumetric Rate	\$0.00112	182,649	\$204	\$0.00000	\$0.00112	\$204	\$0
City of San Diego Franchise Fee Differential			\$167			\$160	(\$6)
Total Core Commercial and Industrial			\$30,132			\$28,987	(\$1,144)
NGV Customer Charge, P1 \$/customer	\$13	28	\$4	\$0	\$13	\$4	\$0
NGV Customer Charge, P2A \$/customer	\$65	10	\$8	\$0	\$65	\$8	\$0
NGV Uncompressed Rate (without CSITMA adder)	\$0.07514	18,501	\$1,390	\$0.00438	\$0.07076	\$1,309	(\$81)
NGV Compressed Rate (without CSITMA adder)	\$1.03712	744	\$772	\$0.00000	\$1.03712	\$772	\$0

SDG&E's Proposed Rates / Charges and Revenues, With & Without Aliso Canyon (2017-2019)							
Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate/ Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F G = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
NGV CSITMA Adder to Volumetric Rate	\$0.00112	11,409	\$13	\$0.00000	\$0.00112	\$13	\$0
City of San Diego Franchise Fee Differential			\$3			\$2	(\$0)
Total NGV			\$2,190			\$2,109	(\$81)
Noncore Distribution Customer Charge \$/customer	\$350	42	\$177	\$0	\$350	\$177	\$0
Noncore Distribution Commercial and Industrial Rate (without CSITMA adder)	\$0.00925	27,807	\$257	\$0.00166	\$0.00759	\$211	(\$46)
Noncore Distribution Commercial and Industrial CSITMA Adder to Volumetric Rate	\$0.00112	25,154	\$28	\$0.00000	\$0.00112	\$28	\$0
Total Noncore Distribution Commercial and Industrial			\$462			\$416	(\$46)
Electric Generation Distribution Tier 1 Customer Charge \$/customer	\$50	46	\$28	\$0	\$50	\$28	\$0
Electric Generation Distribution Tier 1 Rate (without GHG adder)	\$0.08319	19,210	\$1,598	\$0.00000	\$0.08319	\$1,598	\$0
Electric Generation Distribution Tier 2 Rate (without GHG adder)	\$0.03041	76,596	\$2,329	\$0.00000	\$0.03041	\$2,329	\$0

SDG&E's Proposed Rates / Charges and Revenues, With & Without Aliso Canyon (2017-2019)							
Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate/ Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F G = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Electric Generation Distribution CARB Adder to Volumetric Rate	(\$0.00004)	88,669	(\$4)	\$0.00000	(\$0.00004)	(\$4)	\$0
Total Distribution Electric Generation			\$3,951			\$3,951	\$0
Transmission Level Service-Commercial & Industrial Reservation Service rate \$/therm/day	\$0.00655			\$0.00097	\$0.00558		
Transmission Level Service-Commercial & Industrial Usage rate (w/ csitma & carb adder) \$/therm	\$0.00436			\$0.00023	\$0.00413		
Transmission Level Service-Commercial & Industrial Class Average rate (w/ csitma & carb adder) \$/therm	\$0.01426			\$0.00170	\$0.01257		
Transmission Level Service- Electric Generation Reservation Service rate \$/therm/day	\$0.00655			\$0.00097	\$0.00558		
Transmission Level Service-Electric Generation Usage rate (w/ & carb adder) \$/therm	\$0.00324			\$0.00023	\$0.00301		
Transmission Level Service- Electric Generation Class Average rate (w/carb adder) \$/therm	\$0.01315			\$0.00170	\$0.01145		

SDG&E's Proposed Rates / Charges and Revenues, With & Without Aliso Canyon (2017-2019)							
Rate or Charge	A Proposed Rate/Charge Jan. 1, 2017	B Forecast Volume Jan. 1, 2017	C Total Revenue C = A x B	D Aliso Canyon Costs	E Proposed Rate/ Charge on 1/1/17 Without Aliso Canyon E = A - D	F Total Revenue Without Aliso Canyon F = B x E	G <u>Change in</u> <u>Total</u> <u>Revenue</u> <u>without</u> <u>Aliso</u> <u>Canyon</u> G = C - F G = B x D
	\$/th	Mth	\$thousands	\$/th	\$/th	\$thousands	\$thousands
Average Transmission Level Service	\$0.01313	591,243	\$7,765	\$0.00169	\$0.01144	\$6,765	(\$1,000)
Total Revenue			\$281,925			\$275,713	(\$6,212)