

Application No: A.14-12-  
Exhibit No.: \_\_\_\_\_  
Witness: Sharim Chaudhury

Triennial Cost Allocation Proceeding Phase 1  
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, 2016

A.14-12-\_\_\_\_\_  
(Filed December 18, 2014)

**PREPARED DIRECT TESTIMONY OF**  
**SHARIM CHAUDHURY**  
**SOUTHERN CALIFORNIA GAS COMPANY AND**  
**SAN DIEGO GAS & ELECTRIC COMPANY**

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

December 18, 2014

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**PREPARED DIRECT TESTIMONY  
OF SHARIM CHAUDHURY**

**I. PURPOSE**

The purpose of my direct testimony on behalf of Southern California Gas Company (SoCalGas) and San Diego Gas & Electric Company (SDG&E) is to provide the transportation rate impacts that result from the proposals in the testimonies of Ms. Fung and Mr. Watson.

**II. DISCUSSION**

The proposals related to storage capacities and costs made in the testimonies of Ms. Fung and Mr. Watson are as follows:

- 1) An update to the total storage capacities
- 2) An update to the total storage embedded cost
- 3) An update to the allocation of storage costs to the storage functions:
  - a. Core Reservation,
  - b. Load Balancing and
  - c. Unbundled Storage program.
- 4) Amortize the balance in the Honor Rancho Storage Memorandum Account (HRSMA) over one year (year 2016) and then remove from rates.
- 5) Include Aliso Canyon costs and capacities in rates in 2017, 2018, and 2019 per the proposed allocation.

1 The capacities, costs, and allocations to functions which are being proposed by Mr. Watson are  
 2 summarized in Table 1 below:

**TABLE 1**  
**Proposed Allocation of Capacities and Costs to Functions**

	<b>2016 Allocation Capacities</b>	<b>2016 Costs \$millions</b>	<b>2017 thru 2019 Allocation Capacities</b>	<b>2017 thru 2019 Costs \$millions</b>
<b>Core Reservation</b>				
Inventory	83.0	\$6.5	83.0	\$7.2
Injection(summer)	388	\$8.7	388	\$9.6
Injection(winter)	190		190	
Withdrawal(winter)	2,225	\$44.4	2,225	\$48.9
Withdrawal(summer)	1,081		1,081	
<b>Total Core</b>		<u>\$59.6</u>		<u>\$65.7</u>
<b>Load Balancing</b>				
Inventory	5.1	\$0.4	5.1	\$0.4
Injection(summer)	200	\$5.7	345	\$10.9
Injection(winter)			345	
Withdrawal	525	\$15.0	525	\$16.5
<b>Total Load Balancing</b>		<u>\$21.1</u>		<u>\$27.8</u>
<b>Unbundled Storage</b>				
Inventory	50.0	\$3.9	50.0	\$4.3
Injection(summer)	182	\$3.0	182	\$3.4
Injection(winter)	0		0	
Withdrawal(winter)	425	\$8.5	425	\$9.3
Withdrawal(summer)	206		206	
<b>Total Unbundled Storage</b>		<u>\$15.4</u>		<u>\$17.0</u>
<b>Total Storage Cost</b>		<u><b>\$96.2</b></u>		<u><b>\$110.6</b></u>

3 **III. ALLOCATION OF STORAGE FUNCTIONS TO RATE CLASSES**

4 Table 1 above shows the functionalized storage costs proposed by Mr. Watson. The  
 5 methods for allocating these functions to rate classes is summarized in Table 2 below and is  
 6 consistent with existing authorized cost allocation methods for allocating functionalized storage  
 7 costs to rate classes as authorized in D. 14-06-007, the Utilities' most recent TCAP decision. No  
 8 changes are being proposed to the methods for allocating functionalized storage costs to rate  
 9 classes.

<b>TABLE 2 Existing Authorized Allocation Methods for Storage Functions</b>				
<b>Storage Function</b>	<b>Storage Sub-Function</b>	<b>CORE</b>	<b>NonCore</b>	<b>Unbundled Storage</b>
Core Reliability	Injection	Inventory capacity per day @ 214 day injection season	n/a	n/a
Core Reliability	Inventory	Allocated among CORE customers at “excess winter demand” per 2013TCAP	n/a	n/a
Core Reliability	Withdrawal	Allocated @ Peak Day Demand on Medium Pressure Distribution System	n/a	n/a
Load Balancing	Injection	Equal Cents per Therm	Equal Cents per Therm	n/a
Load Balancing	Inventory	No inventory costs for load balancing allocated to core	Equal Cents per Therm of NonCore only	n/a
Load Balancing	Withdrawal	Equal Cents per Therm	Equal Cents per Therm	n/a
Unbundled Storage Program	Injection	n/a	n/a	100% unbundled program
Unbundled Storage Program	Inventory	n/a	n/a	100% unbundled program
Unbundled Storage Program	Withdrawal	n/a	n/a	100% unbundled program

1 **IV. ILLUSTRATIVE RATE IMPACTS**

2 When the methods for allocating functionalized storage costs to rate classes, as  
3 summarized in Table 2, are applied to the proposed functionalized storage costs, as summarized  
4 in Table 1, the following class-average illustrative rate impacts occur, as shown in Table 3.  
5 Appendix A shows the detailed illustrative rate impacts.

**TABLE 3**  
**Illustrative Impact on Transportation Rates**  
**\$/therm**

	7/1/2014 Rates	2016 Allocation of Capacities & Costs, no Aliso	Change from 2014 \$/therm	% Change from 2014	2017 thru 2019 w/Aliso	Change from 2016 \$/therm	% Change from 2016
	A	B	C	D	E	F	G
<b><u>SoCalGas Rates:</u></b>							
Residential	\$0.663	\$0.663	\$0.001	0.1%	\$0.666	\$0.002	0.3%
Residential class average bill \$/month	\$46.73	\$46.76	\$0.023	0.05%	\$46.84	\$0.090	0.2%
Core C&I	\$0.306	\$0.313	\$0.006	2.0%	\$0.315	\$0.002	0.7%
NGV (uncompressed)	\$0.094	\$0.096	\$0.002	2.5%	\$0.097	\$0.001	1.2%
NonCore C&I Class							
Average Distribution	\$0.067	\$0.068	\$0.001	1.2%	\$0.068	\$0.0006	0.8%
EG-Distribution - Tier 1	\$0.086	\$0.087	\$0.001	0.7%	\$0.087	\$0.0005	0.6%
EG-Distribution - Tier 2	\$0.031	\$0.032	\$0.001	3.3%	\$0.033	\$0.0007	2.2%
TLS-CI CA Rate	\$0.014	\$0.015	\$0.001	7.8%	\$0.016	\$0.0007	4.7%
TLS-EG CA Rate	\$0.013	\$0.014	\$0.001	8.4%	\$0.015	\$0.0007	5.0%
Backbone Transmission							
Service \$/dth/day	\$0.154	\$0.154	\$0.000	0.0%	\$0.154	\$0.000	0.0%
<b><u>SDG&amp;E gas Rates:</u></b>							
Residential	\$0.802	\$0.805	\$0.003	0.3%	\$0.807	\$0.002	0.3%
Residential class average bill \$/month	\$36.79	\$36.87	\$0.071	0.2%	\$36.92	\$0.058	0.2%
Core C&I	\$0.243	\$0.245	\$0.002	0.8%	\$0.247	\$0.002	0.8%
NGV (uncompressed)	\$0.101	\$0.103	\$0.002	2.3%	\$0.104	\$0.001	1.1%
NonCore C&I Class							
Average Distribution	\$0.063	\$0.064	\$0.001	1.9%	\$0.065	\$0.0008	1.2%
EG-Distribution - Tier 1	\$0.087	\$0.088	\$0.001	0.7%	\$0.089	\$0.0005	0.6%
EG-Distribution - Tier 2	\$0.032	\$0.033	\$0.001	3.2%	\$0.034	\$0.0007	2.1%
TLS-CI CA Rate	\$0.022	\$0.023	\$0.001	5.2%	\$0.024	\$0.0007	3.2%
TLS-EG CA Rate	\$0.014	\$0.015	\$0.001	8.0%	\$0.016	\$0.0007	4.8%

**V. QUALIFICATIONS**

My name is Iftekharul (Sharim) Bar Chaudhury. I am employed by SoCalGas and SDG&E as the Rate Design and Demand Forecasting Manager within the Regulatory Affairs Department, which supports gas regulatory activities of both SoCalGas and SDG&E. My business address is 555 West 5<sup>th</sup> Street, Los Angeles, California 90013-1011.

1 I hold a Bachelor of Arts degree in Economics from Illinois State University. I received  
2 my Masters and Ph.D. degrees in Economics from the University of California, San Diego.

3 I have held my current position managing the rates group since August 2014, and have  
4 been managing the demand forecasting group since April 2013. Prior to joining SoCalGas, I  
5 worked at Southern California Edison Company from June 1999 to March 2013, holding several  
6 positions of increasing responsibility, from Senior Analyst to Manager of Price Forecasting to  
7 Manager of Long-Term Demand Forecasting. From October 1998 to May 1999, I worked at  
8 National Economic Research Associates (NERA) as a Senior Consultant. Prior to joining NERA,  
9 I worked at SoCalGas from 1991 to 1998, holding several positions of increasing responsibility,  
10 starting as Marketing Analyst to Senior Economist in the Rate Design group to Manager of Rate  
11 Design. I also worked for about a year at the California Energy Commission (CEC) in the  
12 Demand Analysis Office.

13 I have previously testified before the Commission.

# **Attachment A**



# **SoCalGas 2016 Illustrative Rate Impacts**

**TABLE 1**  
**Natural Gas Transportation Rates**  
**Southern California Gas Company**  
**January, 2016 Rates**

	Present Rates			Proposed Rates			Changes		
	Jul-1-14	Average	Jul-1-14	Proposed	Proposed	Proposed	Revenue	Rate	% Rate
	Volumes	Rate	Revenues	Volumes	Rate	Revenues	Change	Change	change
	Mth	\$/therm	\$000's	Mth	\$/therm	\$000's	\$000's	\$/therm	%
	A	B	C	D	E	F	G	H	I
1 <b>CORE</b>									
2 Residential	2,337,534	\$0.66285	\$1,549,446	2,337,534	\$0.66345	\$1,550,835	\$1,390	\$0.00059	0.1%
3 Commercial & Industrial	984,102	\$0.30648	\$301,606	984,102	\$0.31263	\$307,656	\$6,049	\$0.00615	2.0%
4									
5 NGV - Pre SempraWide	117,220	\$0.10432	\$12,228	117,220	\$0.10672	\$12,510	\$281	\$0.00240	2.3%
6 SempraWide Adjustment	117,220	\$0.00176	\$206	117,220	\$0.00166	\$194	(\$12)	(\$0.00010)	-5.8%
7 NGV - Post SempraWide	117,220	\$0.10608	\$12,434	117,220	\$0.10837	\$12,704	\$269	\$0.00230	2.2%
8									
9 Gas A/C	825	\$0.10706	\$88	825	\$0.10811	\$89	\$1	\$0.00105	1.0%
10 Gas Engine	16,774	\$0.12163	\$2,040	16,774	\$0.12163	\$2,040	\$0	\$0.00000	0.0%
11 <b>Total Core</b>	<b>3,456,455</b>	<b>\$0.53975</b>	<b>\$1,865,615</b>	<b>3,456,455</b>	<b>\$0.54198</b>	<b>\$1,873,324</b>	<b>\$7,709</b>	<b>\$0.00223</b>	<b>0.4%</b>
12									
13 <b>NONCORE COMMERCIAL &amp; INDUSTRIAL</b>									
14 Distribution Level Service	893,164	\$0.06680	\$59,667	893,164	\$0.06760	\$60,381	\$714	\$0.00080	1.2%
15 Transmission Level Service (2)	654,456	\$0.01421	\$9,301	654,456	\$0.01533	\$10,031	\$730	\$0.00112	7.9%
16 <b>Total Noncore C&amp;I</b>	<b>1,547,620</b>	<b>\$0.04456</b>	<b>\$68,968</b>	<b>1,547,620</b>	<b>\$0.04550</b>	<b>\$70,412</b>	<b>\$1,444</b>	<b>\$0.00093</b>	<b>2.1%</b>
17									
18 <b>NONCORE ELECTRIC GENERATION</b>									
19 Distribution Level Service									
20 Pre Sempra Wide	333,969	\$0.04591	\$15,331	333,969	\$0.04684	\$15,642	\$310	\$0.00093	2.0%
21 Sempra Wide Adjustment	333,969	(\$0.00754)	(\$2,517)	333,969	(\$0.00748)	(\$2,500)	\$17	\$0.00005	-0.7%
22 Distribution Post Sempra Wide	333,969	\$0.03837	\$12,815	333,969	\$0.03935	\$13,142	\$328	\$0.00098	2.6%
23 Transmission Level Service (2)	2,641,080	\$0.01290	\$34,063	2,641,080	\$0.01401	\$37,010	\$2,947	\$0.00112	8.7%
24 <b>Total Electric Generation</b>	<b>2,975,049</b>	<b>\$0.01576</b>	<b>\$46,877</b>	<b>2,975,049</b>	<b>\$0.01686</b>	<b>\$50,152</b>	<b>\$3,275</b>	<b>\$0.00110</b>	<b>7.0%</b>
25									
26 <b>TOTAL RETAIL NONCORE</b>	<b>4,522,669</b>	<b>\$0.02561</b>	<b>\$115,845</b>	<b>4,522,669</b>	<b>\$0.02666</b>	<b>\$120,564</b>	<b>\$4,719</b>	<b>\$0.00104</b>	<b>4.1%</b>
27									
28 <b>WHOLESALE</b>									
29 Wholesale Long Beach (2)	92,897	\$0.01276	\$1,186	92,897	\$0.01388	\$1,289	\$104	\$0.00112	8.7%
30 Wholesale SWG (2)	67,209	\$0.01276	\$858	67,209	\$0.01388	\$933	\$75	\$0.00112	8.7%
31 Wholesale Vernon (2)	87,906	\$0.01276	\$1,122	87,906	\$0.01388	\$1,220	\$98	\$0.00112	8.7%
32 International (2)	69,979	\$0.01276	\$893	69,979	\$0.01388	\$971	\$78	\$0.00112	8.7%
33 <b>Total Wholesale &amp; International</b>	<b>317,990</b>	<b>\$0.01276</b>	<b>\$4,059</b>	<b>317,990</b>	<b>\$0.01388</b>	<b>\$4,413</b>	<b>\$355</b>	<b>\$0.00112</b>	<b>8.7%</b>
34 SDGE Wholesale	1,247,558	\$0.01032	\$12,870	1,247,558	\$0.01194	\$14,897	\$2,027	\$0.00162	15.7%
35 <b>Total Wholesale Incl SDGE</b>	<b>1,565,548</b>	<b>\$0.01081</b>	<b>\$16,929</b>	<b>1,565,548</b>	<b>\$0.01233</b>	<b>\$19,311</b>	<b>\$2,382</b>	<b>\$0.00152</b>	<b>14.1%</b>
36									
37 <b>TOTAL NONCORE</b>	<b>6,088,217</b>	<b>\$0.02181</b>	<b>\$132,774</b>	<b>6,088,217</b>	<b>\$0.02297</b>	<b>\$139,875</b>	<b>\$7,101</b>	<b>\$0.00117</b>	<b>5.3%</b>
38									
39 Unbundled Storage (4)			\$26,476			\$15,442	(\$11,033)		
40 System Total (w/o BTS)	9,544,672	\$0.21215	\$2,024,865	9,544,672	\$0.21254	\$2,028,641	\$3,776	\$0.00040	0.2%
41 Backbone Trans. Service BTS (3)	2,924	\$0.15406	\$164,406	2,924	\$0.15406	\$164,406	\$0	\$0.00000	0.0%
42 <b>SYSTEM TOTALw/BTS</b>	<b>9,544,672</b>	<b>\$0.22937</b>	<b>\$2,189,270</b>	<b>9,544,672</b>	<b>\$0.22977</b>	<b>\$2,193,047</b>	<b>\$3,776</b>	<b>\$0.00040</b>	<b>0.2%</b>
43									
44 EOR Revenues	203,920	\$0.02648	\$5,400	203,920	\$0.02752	\$5,613	\$213	\$0.00104	3.9%
45 <b>Total Throughput w/EOR Mth/yr</b>	<b>9,748,592</b>			<b>9,748,592</b>					

- 1) These rates are for Natural Gas Transportation Service from "Citygate to Meter". The BTS rate is for service from Receipt Point to Citygate.
- 2) These Transmission Level Service "TLS" amounts represent the average transmission rate, see Table 7 or detail list of TLS rates.
- 3) BTS charge (\$/dth/day) is proposed as a separate rate. Core will pay through procurement rate, noncore as a separate charge.
- 4) Unbundles Storage costs are not part of the Core Storage or Load Balancing functions (those are included in transport rates).

**TABLE 2**  
**Residential Transportation Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Volumes	Rate	Revenue	Revenue	Rate	% Rate	
	Volumes	Rate	Revenue	Mth	\$/th	\$000's	Change	Change	change	
	Mth	\$/th	\$000's	D	E	F	\$000's	\$/th	%	
	A	B	C				G	H	I	
1	<b>RESIDENTIAL SERVICE</b>									
2	Customer Charge									
3	Single Family	3,663,383	\$5.00	\$219,803	3,663,383	\$5.00	\$219,803	\$0	\$0.00000	0.0%
4	Multi-Family	1,674,287	\$5.00	\$100,457	1,674,287	\$5.00	\$100,457	\$0	\$0.00000	0.0%
5	Small Master Meter	122,347	\$5.00	\$7,341	122,347	\$5.00	\$7,341	\$0	\$0.00000	0.0%
6	Submeter Credit-\$/unit/day	147,568	(\$0.23573)	(\$12,697)	147,568	(\$0.23573)	(\$12,697)	\$0	\$0.00000	0.0%
7	<b>Volumetric Transportation Rate Excludes CSITMA and CAT:</b>									
8	Baseline Rate	1,583,823	\$0.44569	\$705,891	1,583,823	\$0.44629	\$706,841	\$950	\$0.00060	0.1%
9	Non-Baseline Rate	743,221	\$0.70569	\$524,482	743,221	\$0.70629	\$524,928	\$446	\$0.00060	0.1%
10		2,327,044	\$0.66405	\$1,545,277	2,327,044	\$0.66465	\$1,546,673	\$1,395	\$0.00060	0.1%
11	NBL/BL Ratio:									
12	Composite Rate \$/th		\$1.04251			\$1.04311		\$0.00060	0.1%	
13	Gas Rate \$/th		\$0.39800			\$0.39800		\$0.00000	0.0%	
14	NBL/Composite rate ratio (4) =		1.06			1.06				
15	NBL- BL rate difference \$/th		0.26000			0.26000		\$0.00000	0.0%	
16										
17	Large Master Meter Rate (Excludes Rate Adders for CAT):									
18	Customer Charge	55	\$373.78	\$248	55	\$373.78	\$248	\$0	\$0.00	0.0%
19	Baseline Rate	7,802	\$0.16846	\$1,314	7,802	\$0.16802	\$1,311	(\$3)	(\$0.00043)	-0.3%
20	Non-Baseline Rate	2,688	\$0.26673	\$717	2,688	\$0.26591	\$715	(\$2)	(\$0.00082)	-0.3%
21		10,490	\$0.21732	\$2,280	10,490	\$0.21678	\$2,274	(\$6)	(\$0.00053)	-0.2%
22										
23	<b>Residential Rates Includes CSITMA, Excludes CAT:</b>									
24	CSITMA Adder to Volumetric Rate	1,671,915	\$0.00102	\$1,712	1,671,915	\$0.00102	\$1,712	\$0	\$0.00000	0.0%
25	Residential:									
26	Customer Charge		\$5.00			\$5.00		\$0.00000	0.0%	
27	Baseline \$/therm		\$0.44671			\$0.44731		\$0.00060	0.1%	
28	Non-Baseline \$/therm		\$0.70671			\$0.70731		\$0.00060	0.1%	
29	Average NonCARE Rate \$/therm		\$0.66508			\$0.66568		\$0.00060	0.1%	
30	Large Master Meter:									
31	Customer Charge		\$373.78			\$373.78		\$0.00	0.0%	
32	BaseLine Rate		\$0.16948			\$0.16905		(\$0.00043)	-0.3%	
33	NonBaseLine Rate		\$0.26775			\$0.26693		(\$0.00082)	-0.3%	
34	Average NonCARE Rate \$/therm		\$0.21834			\$0.21781		(\$0.00053)	-0.2%	
35	<b>Residential Rates Includes CSITMA &amp; CAT:</b>									
36	CAT Adder to Volumetric Rate	8,732	\$0.02026	\$177	8,732	\$0.02026	\$177	\$0	\$0.00000	0%
37	Residential:									
38	Customer Charge		\$5.00			\$5.00		\$0.00000	0.0%	
39	BaseLine Rate		\$0.46697			\$0.46757		\$0.00060	0.1%	
40	NonBaseLine Rate		\$0.72697			\$0.72757		\$0.00060	0.1%	
41	Large Master Meter:									
42	Customer Charge		\$373.78			\$373.78		\$0.00000	0.0%	
43	BaseLine Rate		\$0.18974			\$0.18930		(\$0.00043)	-0.2%	
44	NonBaseLine Rate		\$0.28801			\$0.28719		(\$0.00082)	-0.3%	
45	<b>Other Adjustments :</b>									
46	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)		\$0.00000	0.0%	
47										
48	<b>TOTAL RESIDENTIAL</b>	<b>2,337,534</b>	<b>\$0.66285</b>	<b>\$1,549,446</b>	<b>2,337,534</b>	<b>\$0.66345</b>	<b>\$1,550,835</b>	<b>\$1,390</b>	<b>\$0.00059</b>	<b>0.1%</b>

See footnotes Table 1

**TABLE 3**  
**Core Nonresidential Transportation Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14 Volumes Mth	Average Rate \$/th	Jul-1-14 Revenue \$000's	Volumes Mth	Rate \$/th	Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1										
2	<b>CORE COMMERCIAL &amp; INDUSTRIAL</b>									
3	Customer Charge 1	147,208	\$15.00	\$26,497	147,208	\$15.00	\$26,497	\$0	\$0.00	0.0%
4	Customer Charge 2	60,603	\$15.00	\$10,909	60,603	\$15.00	\$10,909	\$0	\$0.00	0.0%
5	<b>Volumetric Transportation Rate Excludes CSITMA &amp; CAT:</b>									
6	Tier 1 = 250th/mo	223,928	\$0.49725	\$111,348	223,928	\$0.50932	\$114,052	\$2,704	\$0.01208	2.4%
7	Tier 2 = next 4167 th/mo	495,650	\$0.25421	\$126,001	495,650	\$0.26007	\$128,902	\$2,901	\$0.00585	2.3%
8	Tier 3 = over 4167 th/mo	264,524	\$0.09126	\$24,141	264,524	\$0.09294	\$24,585	\$444	\$0.00168	1.8%
9		984,102	\$0.30372	\$298,896	984,102	\$0.30987	\$304,945	\$6,049	\$0.00615	2.0%
10										
11	<b>Volumetric Transportation Rate Includes CSITMA, Excludes CAT:</b>									
12	CSITMA Adder to Volumetric Rate	980,381	\$0.00102	\$1,004	980,381	\$0.00102	\$1,004	\$0	\$0.00000	0.0%
13	Tier 1 = 250th/mo		\$0.49827			\$0.51035			\$0.01208	2.4%
14	Tier 2 = next 4167 th/mo		\$0.25524			\$0.26109			\$0.00585	2.3%
15	Tier 3 = over 4167 th/mo		\$0.09229			\$0.09396			\$0.00168	1.8%
16			\$0.30475			\$0.31089			\$0.00615	
17	<b>Volumetric Transportation Rate Includes CSITMA &amp; CAT:</b>									
18	CAT Adder to Volumetric Rate	84,283	\$0.02026	\$1,707	84,283	\$0.02026	\$1,707	\$0	\$0.00000	0%
19	Tier 1 = 250th/mo		\$0.51853			\$0.53060			\$0.01208	2.3%
20	Tier 2 = next 4167 th/mo		\$0.27549			\$0.28135			\$0.00585	2.1%
21	Tier 3 = over 4167 th/mo		\$0.11254			\$0.11422			\$0.00168	1.5%
22			\$0.32500			\$0.33115			\$0.00615	1.9%
23	<b>Other Adjustments :</b>									
24	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)			\$0.00000	0.0%
25										
26	<b>TOTAL CORE C&amp;I</b>	<b>984,102</b>	<b>\$0.30648</b>	<b>\$301,606</b>	<b>984,102</b>	<b>\$0.31263</b>	<b>\$307,656</b>	<b>\$6,049</b>	<b>\$0.00615</b>	<b>2.0%</b>
27										
28	<b>NATURAL GAS VEHICLES (a sempra-wide rate)</b>									
29	Customer Charge, P-1	229	\$13.00	\$36	229	\$13.00	\$36	\$0	\$0.00000	0.0%
30	Customer Charge, P-2A	83	\$65.00	\$64	83	\$65.00	\$64	\$0	\$0.00000	0.0%
31	Uncompressed Rate Excludes CSITMA	117,220	\$0.09267	\$10,863	117,220	\$0.09497	\$11,132	\$269	\$0.00230	2.5%
32	Total Uncompressed NGV	117,220	\$0.09352	\$10,963	117,220	\$0.09582	\$11,232	\$269	\$0.00230	2.5%
33	Compressed Rate Adder	1,287	\$1.05002	\$1,351	1,287	\$1.05002	\$1,351	\$0	\$0.00000	0.0%
34										
35	<b>Uncompressed Rate Includes CSITMA, Excludes CAT</b>									
36	CSITMA Adder to Volumetric Rate	117,175	\$0.00102	\$120	117,175	\$0.00102	\$120	\$0	\$0.00000	0.0%
37	Uncompressed Rate \$/therm		\$0.09369			\$0.09599			\$0.00230	2.5%
38	<b>Other Adjustments :</b>									
39	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)			\$0.00000	0.0%
40										
41	<b>TOTAL NGV SERVICE</b>	<b>117,220</b>	<b>\$0.10608</b>	<b>\$12,434</b>	<b>117,220</b>	<b>\$0.10837</b>	<b>\$12,704</b>	<b>\$269</b>	<b>\$0.00230</b>	<b>2.2%</b>
42										
43	<b>RESIDENTIAL NATURAL GAS VEHICLES (optional rate)</b>									
44	Customer Charge	5,460	\$10.00	\$655	5,460	\$10.00	\$655	\$0	\$0.00000	0.0%
45	Uncompressed Rate Excludes CSITMA	5,346	\$0.17687	\$946	5,346	\$0.17787	\$951	\$5	\$0.00101	0.6%
46		5,346	\$0.29942	\$1,601	5,346	\$0.30043	\$1,606	\$5	\$0.00101	0.3%
47	<b>Uncompressed Rate Includes CSITMA, Excludes CAT</b>									
48	CSITMA Adder to Volumetric Rate		\$0.00102			\$0.00102			\$0.00000	0.0%
49	Uncompressed Rate \$/therm		\$0.17789			\$0.17890			\$0.00101	0.6%
50										
51	<b>Uncompressed Rate Includes CSITMA &amp; CAT</b>									
52	CAT Adder to Volumetric Rate	0	\$0.02026	\$0	0	\$0.02026	\$0	\$0	\$0.00000	0.0%
53	Uncompressed Rate		\$0.19815			\$0.19915		\$0	\$0.00101	0.5%
54	<b>Other Adjustments :</b>									
55	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)			\$0.00000	0.0%
56										
57	<b>TOTAL RESIDENTIAL NATURAL GAS</b>	<b>5,346</b>	<b>\$0.29942</b>	<b>\$1,601</b>	<b>5,346</b>	<b>\$0.30043</b>	<b>\$1,606</b>	<b>\$5</b>	<b>\$0.00101</b>	<b>0.3%</b>



**TABLE 5**  
**Noncore Commercial & Industrial Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Volumes	Rate	Revenue	Revenue	Rate	% Rate	
	Volumes	Rate	Revenue							Change
Mth	\$/th	\$000's	Mth	\$/th	\$000's	\$000's	\$/th	%		
A	B	C	D	E	F	G	H	I		
1	<b>NonCore Commercial &amp; Industrial Distribution Level</b>									
2	Customer Charge	602	\$350.00	\$2,530	602	\$350.00	\$2,530	\$0	\$0.00000	0.0%
3										
4	<b>Volumetric Rates Includes CARB fee, Excludes CSITMA</b>									
5	Tier 1 = 250kth/yr	133,045	\$0.14943	\$19,881	133,045	\$0.15144	\$20,148	\$268	\$0.00201	1.3%
6	Tier 2 = 250k to 1000k	217,578	\$0.09026	\$19,638	217,578	\$0.09144	\$19,896	\$257	\$0.00118	1.3%
7	Tier 3 = 1 to 2 million th/yr	109,379	\$0.05241	\$5,732	109,379	\$0.05306	\$5,804	\$71	\$0.00065	1.2%
8	Tier 4 = over 2 million th/yr	433,162	\$0.02536	\$10,986	433,162	\$0.02563	\$11,103	\$118	\$0.00027	1.1%
9	Volumetric totals (excl itcs)	893,164	\$0.06296	\$56,237	893,164	\$0.06376	\$56,951	\$714	\$0.00080	1.3%
10										
11	<b>Volumetric Rates Includes CARB Fee &amp; CSITMA</b>									
12	CSITMA Adder to Volumetric Rate		\$0.00102	\$899		\$0.00102	\$899	\$0	\$0.00000	0.0%
13	Tier 1 = 250kth/yr		\$0.15045			\$0.15246			\$0.00201	1.3%
14	Tier 2 = 250k to 1000k		\$0.09128			\$0.09246			\$0.00118	1.3%
15	Tier 3 = 1 to 2 million th/yr		\$0.05343			\$0.05408			\$0.00065	1.2%
16	Tier 4 = over 2 million th/yr		\$0.02638			\$0.02666			\$0.00027	1.0%
17	<b>Other Adjustments :</b>									
18	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)			\$0.00000	0.0%
19	CARB Fee Credit \$/th		(\$0.00044)			(\$0.00044)			\$0.00000	0.0%
20	<b>NCCI - DISTRIBUTION LEVEL</b>	<b>893,164</b>	<b>\$0.06680</b>	<b>\$59,667</b>	<b>893,164</b>	<b>\$0.06760</b>	<b>\$60,381</b>	<b>\$714</b>	<b>\$0.00080</b>	<b>1.2%</b>
21										
22	<b>NCCI-TRANSMISSION LEVEL Incl C</b>	<b>10,674</b>	<b>\$0.01320</b>	<b>\$141</b>	<b>10,674</b>	<b>\$0.01432</b>	<b>\$153</b>	<b>\$12</b>	<b>\$0.00112</b>	<b>8.5%</b>
23	<b>NCCI-TRANSMISSION LEVEL Incl C</b>	<b>643,782</b>	<b>\$0.01423</b>	<b>\$9,160</b>	<b>643,782</b>	<b>\$0.01534</b>	<b>\$9,878</b>	<b>\$718</b>	<b>\$0.00112</b>	<b>7.8%</b>
24	<b>NCCI-TRANSMISSION LEVEL (2)</b>	<b>654,456</b>	<b>\$0.01421</b>	<b>\$9,301</b>	<b>654,456</b>	<b>\$0.01533</b>	<b>\$10,031</b>	<b>\$730</b>	<b>\$0.00112</b>	<b>7.9%</b>
25										
26	<b>TOTAL NONCORE C&amp;I</b>	<b>1,547,620</b>	<b>\$0.04456</b>	<b>\$68,968</b>	<b>1,547,620</b>	<b>\$0.04550</b>	<b>\$70,412</b>	<b>\$1,444</b>	<b>\$0.00093</b>	<b>2.1%</b>

**TABLE 6**  
**Noncore Electric Generation Rates and Enhanced Oil Recovery Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14 Volumes Mth	Average Rate \$/th	Jul-1-14 Revenue \$000's	Volumes Mth	Rate \$/th	Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1										
2	<b>ELECTRIC GENERATION</b>									
3										
4										
5	<b>Small EG Distribution Level Service (a Sempra-Wide rate) Excludes CARB fee &amp; CSITMA:</b>									
6	Customer Charge	147	\$50.00	\$88	147	\$50.00	\$88	\$0	\$0.00000	0.0%
7	Volumetric Rate	42,850	\$0.08571	\$3,673	42,850	\$0.08635	\$3,700	\$27	\$0.00063	0.7%
8	Small EG Distribution Level Service	42,850	\$0.08778	\$3,761	42,850	\$0.08841	\$3,788	\$27	\$0.00063	0.7%
9										
10	<b>Large EG Distribution Level Service (a Sempra-Wide rate) Excludes CARB Fee &amp; CSITMA</b>									
11	Customer Charge	34	\$0.00	\$0	34	\$0.00	\$0	\$0	\$0.00000	
12	Volumetric Rate	291,119	\$0.03074	\$8,950	291,119	\$0.03178	\$9,250	\$301	\$0.00103	3.4%
13	Large EG Distribution Level Service	291,119	\$0.03074	\$8,950	291,119	\$0.03178	\$9,250	\$301	\$0.00103	3.4%
14										
15	EG Distribution excl CARB fee & CSITMA	333,969	\$0.03806	\$12,711	333,969	\$0.03904	\$13,039	\$328	\$0.00098	2.6%
16										
17	<b>Volumetric Rates Includes CARB fee, Excludes CSITMA</b>									
18	EFMA Cost Adder	235,121	\$0.00044	\$104	235,121	\$0.00044	\$104	\$0	\$0.00000	0.0%
19	EG-Distribution Tier 1 w/CARB fee		\$0.08616			\$0.08679			\$0.00063	0.7%
20	EG-Distribution Tier 2 w/CARB Fee		\$0.03118			\$0.03222			\$0.00103	3.3%
21	Total - EG Distribution Level	333,969	\$0.03837	\$12,815	333,969	\$0.03935	\$13,142	\$328	\$0.00098	2.6%
22	CARB Fee Credit \$/th		(\$0.00044)			(\$0.00044)			\$0.00000	0.0%
23										
24	EG Transmission Level Service Excl	1,839,870	\$0.01276	\$23,483	1,839,870	\$0.01388	\$25,536	\$2,053	\$0.00112	8.7%
25	EG Transmission Level Service Incl C	801,210	\$0.01320	\$10,580	801,210	\$0.01432	\$11,474	\$894	\$0.00112	8.5%
26	EG Transmission Level (2)	2,641,080	\$0.01290	\$34,063	2,641,080	\$0.01401	\$37,010	\$2,947	\$0.00112	8.7%
27										
28	<b>TOTAL ELECTRIC GENERATION</b>	<b>2,975,049</b>	<b>\$0.01576</b>	<b>\$46,877</b>	<b>2,975,049</b>	<b>\$0.01686</b>	<b>\$50,152</b>	<b>\$3,275</b>	<b>\$0.00110</b>	<b>7.0%</b>
29										
30	<b>EOR Rates &amp; revenue Excludes CARB Fee &amp; CSITMA:</b>									
31	Distribution Level EOR:									
32	Customer Charge	23	\$500.00	\$138	23	\$500.00	\$138	\$0	\$0.00000	0.0%
33	Volumetric Rate Excl CARB Fee &	109,229	\$0.03711	\$4,053	109,229	\$0.03809	\$4,160	\$107	\$0.00098	2.6%
34										
35	<b>Volumetric Rates Includes CARB Fee, Excludes CSITMA</b>									
36	CARB Fee		\$0.00044			\$0.00044				
37	Volumetric Rate Incl CARB fee & Excl CSITMA		\$0.03755			\$0.03853			\$0.00098	2.6%
38	Distribution Level EOR	109,229	\$0.03837	\$4,191	109,229	\$0.03935	\$4,298	\$107	\$0.00098	2.6%
39	CARB Fee Credit \$/th		(\$0.00044)			(\$0.00044)			\$0.00000	0.0%
40										
41	Transmission Level EOR Excludes	94,691	\$0.01276	\$1,209	94,691	\$0.01388	\$1,314	\$106	\$0.00112	8.7%
42	<b>Total EOR</b>	<b>203,920</b>	<b>\$0.02648</b>	<b>\$5,400</b>	<b>203,920</b>	<b>\$0.02752</b>	<b>\$5,613</b>	<b>\$213</b>	<b>\$0.00104</b>	<b>3.9%</b>

1) CSITMA - Noncore C&I D Tariff rate includes CSITMA. Customers exempt, including Constitutionally Exempt, receive Transportation Charge Adj. (TCA).

EG Tariff Rate excludes CSITMA, since EG customers are exempt.

2) CARB Fee - EG-D and NCCI-D rates include CARB Fee.

3) EOR customers tariff includes CARB Fee and excludes CSITMA; since EOR customers are exempt from CSITMA and get a credit for CARB Fee.

See footnotes Table 1

**TABLE 7**  
**Transmission Level Service Transportation Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14 Volumes Mth	Average Rate \$/th	Jul-1-14 BCAP Vols \$000's	Volumes Mth, Mdth	Rate \$/th	Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1	<b>Rate Excluding CSITMA &amp; CARB Fee:</b>									
2	Reservation Service Option (RS):									
3		\$0.00628			\$0.00696		\$0.00068	10.8%		
4		\$0.00431			\$0.00451		\$0.00020	4.6%		
5	Class Average Volumetric Rate (CA)									
6		\$0.00845			\$0.00937		\$0.00092	10.8%		
7		\$0.00431			\$0.00451		\$0.00020	4.6%		
8	Class Average Volumetric Rate (CA) \$/th	\$0.01276			\$0.01388		\$0.00112	8.7%		
9										
10	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01467			\$0.01596		\$0.00128	8.7%		
11	135% CA (for Bypass Volumetric BV) \$/th	\$0.01723			\$0.01873		\$0.00151	8.7%		
12	<b>Total Transmission Level Service (NC)</b>	<b>3,295,536</b>	<b>\$0.01276</b>	<b>\$42,062</b>	<b>3,295,536</b>	<b>\$0.01388</b>	<b>\$45,739</b>	<b>\$3,677</b>	<b>\$0.00112</b>	<b>8.7%</b>
13										
14	<b>C&amp;I Rate Including CSITMA &amp; CARB Fee:</b>									
15	CSITMA Adder to Usage Charge	643,782	\$0.00102	\$659	643,782	\$0.00102	\$659	\$0	\$0.00000	
16	CARB Fee Adder	1,455,666	\$0.00044	\$643	1,455,666	\$0.00044	\$643	\$0	\$0.00000	
17	Reservation Service Option (RS):									
18		\$0.00628			\$0.00696		\$0	\$0.00068	10.8%	
19		\$0.00577			\$0.00597		\$0	\$0.00020	3.4%	
20	Class Average Volumetric Rate (CA)									
21		\$0.00845			\$0.00937		\$0	\$0.00092	10.8%	
22		\$0.00577			\$0.00597		\$0	\$0.00020	3.4%	
23	Class Average Volumetric Rate (CA) \$/th	\$0.01423			\$0.01534		\$0	\$0.00112	7.8%	
24										
25	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01614			\$0.01742		\$0	\$0.00128	7.9%	
26	135% CA (for Bypass Volumetric BV) \$/th	\$0.01869			\$0.02020		\$0	\$0.00151	8.1%	
27	<b>Other Adjustments :</b>									
28	Transportation Charge Adj. (TCA) for CSITMA exer		(\$0.00102)			(\$0.00102)		\$0.00000		
29	California Air Resources Board (CARB) Fee Credit		(\$0.00044)			(\$0.00044)		\$0.00000		
30	<b>Total Transmission Level Service In</b>	<b>3,295,536</b>	<b>\$0.01316</b>	<b>\$43,364</b>	<b>3,295,536</b>	<b>\$0.01427</b>	<b>\$47,041</b>	<b>\$3,677</b>	<b>\$0.00112</b>	<b>8.5%</b>
31										
32	<b>EG &amp; EOR Rate Including EFMA, excluding CSITMA:</b>									
33		\$0.00044			\$0.00044		\$0.00000			
34	Reservation Service Option (RS):									
35		\$0.00628			\$0.00696		\$0	\$0.00068	10.8%	
36		\$0.00475			\$0.00495		\$0	\$0.00020	4.2%	
37	Class Average Volumetric Rate (CA)									
38		\$0.00845			\$0.00937		\$0	\$0.00092	10.8%	
39		\$0.00475			\$0.00495		\$0	\$0.00020	4.2%	
40	Class Average Volumetric Rate (CA) \$/th	\$0.01320			\$0.01432		\$0	\$0.00112	8.4%	
41										
42	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01512			\$0.01640		\$0	\$0.00128	8.5%	
43	135% CA (for Bypass Volumetric BV) \$/th	\$0.01767			\$0.01917		\$0	\$0.00151	8.5%	
44										
45	<b>Other Adjustments :</b>									
46	California Air Resources Board (CARB) Fee Credit		(\$0.00044)			(\$0.00044)		\$0.00000	0.0%	
47										
48	<b>Rate Excluding CSITMA, CARB Fee, &amp; Uncollectibles (applicable to Wholesale &amp; International):</b>									
49	Reservation Service Option (RS):									
50		\$0.00626			\$0.00694		\$0.00068	10.8%		
51		\$0.00430			\$0.00449		\$0.00020	4.6%		
52	Class Average Volumetric Rate (CA)									
53		\$0.00843			\$0.00934		\$0.00091	10.8%		
54		\$0.00430			\$0.00449		\$0.00020	4.6%		
55	Class Average Volumetric Rate (CA) \$/th	\$0.01272			\$0.01384		\$0.00111	8.7%		
56										
57	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01463			\$0.01591		\$0.00128	8.7%		
58	135% CA (for Bypass Volumetric BV) \$/th	\$0.01718			\$0.01868		\$0.00150	8.7%		
59	<b>Total Transmission Level Service (N)</b>	<b>317,990</b>	<b>\$0.01276</b>	<b>\$4,059</b>	<b>317,990</b>	<b>\$0.01388</b>	<b>\$4,413</b>	<b>\$355</b>	<b>\$0.00112</b>	<b>8.7%</b>
60										
61	<b>Average Transmission Level Service</b>	<b>3,613,526</b>	<b>\$0.01312</b>	<b>\$47,423</b>	<b>3,613,526</b>	<b>\$0.01424</b>	<b>\$51,455</b>	<b>\$4,032</b>	<b>\$0.00112</b>	<b>8.5%</b>



**TABLE 8**  
**Backbone Transmission Service and Storage Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Volumes	Rate	Revenue	Revenue	Rate	% Rate	
	Volumes	Rate	BCAP Vols							Change
	Mth	\$/th	\$000's	Mth, Mdth	\$/th	\$000's	\$000's	\$/th	%	
A	B	C	D	E	F	G	H	I		
1	<b>Backbone Transmission Service BTS</b>									
2	BTS SFV Reservation Charge \$/dth/	2,924	\$0.15406	\$164,406	2,924	\$0.15406	\$164,406	\$0	\$0.00000	0.0%
3	BTS MFV Reservation Charge \$/dth/day		\$0.12325			\$0.12325				
4	BTS MFV Volumetric Charge \$/dth		\$0.03081			\$0.03081				
5	BTS Interruptible Volumetric Charge \$/therm		\$0.15406			\$0.15406		\$0.00000	0.0%	
6										
7										
8	<b>Storage Rates:</b>									
9	Core \$000			\$52,836		\$59,637	\$6,802			
10	Load Balancing \$000			\$10,260		\$21,111	\$10,852			
11	Unbundled Storage \$000			\$26,476		\$15,442	(\$11,033)			
12				\$89,571		\$96,191	\$6,620			

See footnotes Table 1

- 1) CSITMA - NCCI and EG TLS Tariff rates include CSITMA. Customers exempt (Constitutional Exempt and EG) receive Transportation Charge Adjustment TCA.
- 2) EFMA - TLS NCCI, EOR and EG Tariff rates include CSITMA. TLS NCCI, EOR and EG customers exempt as they pay CARB fees directly receive credit.
- 3) Wholesale Customers exclude CSITMA and EFMA since these customers are exempt.

**SoCalGas 2017-2019  
Illustrative Rate Impacts**

**TABLE 1**  
**Natural Gas Transportation Rates**  
**Southern California Gas Company**  
**2017-2019 Rates**

	Present Rates			Proposed Rates			Changes		
	Jul-1-14	Average	Jul-1-14	Volumes	Proposed	Revenues	Revenue	Rate	% Rate
	Volumes	Rate	Revenues						
	Mth	\$/therm	\$000's	Mth	\$/therm	\$000's	\$000's	\$/therm	%
	A	B	C	D	E	F	G	H	I
1 <b>CORE</b>									
2 Residential	2,337,534	\$0.66285	\$1,549,446	2,337,534	\$0.66575	\$1,556,217	\$6,771	\$0.00290	0.4%
3 Commercial & Industrial	984,102	\$0.30648	\$301,606	984,102	\$0.31494	\$309,931	\$8,325	\$0.00846	2.8%
4									
5 NGV - Pre SempraWide	117,220	\$0.10432	\$12,228	117,220	\$0.10787	\$12,644	\$416	\$0.00355	3.4%
6 SempraWide Adjustment	117,220	\$0.00176	\$206	117,220	\$0.00166	\$194	(\$12)	(\$0.00010)	-5.7%
7 NGV - Post SempraWide	117,220	\$0.10608	\$12,434	117,220	\$0.10952	\$12,838	\$404	\$0.00345	3.3%
8									
9 Gas A/C	825	\$0.10706	\$88	825	\$0.10880	\$90	\$1	\$0.00174	1.6%
10 Gas Engine	16,774	\$0.12163	\$2,040	16,774	\$0.12163	\$2,040	\$0	\$0.00000	0.0%
11 <b>Total Core</b>	<b>3,456,455</b>	<b>\$0.53975</b>	<b>\$1,865,615</b>	<b>3,456,455</b>	<b>\$0.54423</b>	<b>\$1,881,117</b>	<b>\$15,502</b>	<b>\$0.00448</b>	<b>0.8%</b>
12									
13 <b>NONCORE COMMERCIAL &amp; INDUSTRIAL</b>									
14 Distribution Level Service	893,164	\$0.06680	\$59,667	893,164	\$0.06818	\$60,892	\$1,225	\$0.00137	2.1%
15 Transmission Level Service (2)	654,456	\$0.01421	\$9,301	654,456	\$0.01605	\$10,502	\$1,201	\$0.00184	12.9%
16 <b>Total Noncore C&amp;I</b>	<b>1,547,620</b>	<b>\$0.04456</b>	<b>\$68,968</b>	<b>1,547,620</b>	<b>\$0.04613</b>	<b>\$71,394</b>	<b>\$2,426</b>	<b>\$0.00157</b>	<b>3.5%</b>
17									
18 <b>NONCORE ELECTRIC GENERATION</b>									
19 Distribution Level Service									
20 Pre Sempra Wide	333,969	\$0.04591	\$15,331	333,969	\$0.04749	\$15,859	\$528	\$0.00158	3.4%
21 Sempra Wide Adjustment	333,969	(\$0.00754)	(\$2,517)	333,969	(\$0.00746)	(\$2,492)	\$25	\$0.00008	-1.0%
22 Distribution Post Sempra Wide	333,969	\$0.03837	\$12,815	333,969	\$0.04003	\$13,367	\$553	\$0.00165	4.3%
23 Transmission Level Service (2)	2,641,080	\$0.01290	\$34,063	2,641,080	\$0.01473	\$38,910	\$4,847	\$0.00184	14.2%
24 <b>Total Electric Generation</b>	<b>2,975,049</b>	<b>\$0.01576</b>	<b>\$46,877</b>	<b>2,975,049</b>	<b>\$0.01757</b>	<b>\$52,277</b>	<b>\$5,400</b>	<b>\$0.00182</b>	<b>11.5%</b>
25									
26 <b>TOTAL RETAIL NONCORE</b>	<b>4,522,669</b>	<b>\$0.02561</b>	<b>\$115,845</b>	<b>4,522,669</b>	<b>\$0.02734</b>	<b>\$123,671</b>	<b>\$7,826</b>	<b>\$0.00173</b>	<b>6.8%</b>
27									
28 <b>WHOLESALE</b>									
29 Wholesale Long Beach (2)	92,897	\$0.01276	\$1,186	92,897	\$0.01460	\$1,356	\$170	\$0.00184	14.4%
30 Wholesale SWG (2)	67,209	\$0.01276	\$858	67,209	\$0.01460	\$981	\$123	\$0.00184	14.4%
31 Wholesale Vernon (2)	87,906	\$0.01276	\$1,122	87,906	\$0.01460	\$1,283	\$161	\$0.00184	14.4%
32 International (2)	69,979	\$0.01276	\$893	69,979	\$0.01460	\$1,022	\$128	\$0.00184	14.4%
33 <b>Total Wholesale &amp; International</b>	<b>317,990</b>	<b>\$0.01276</b>	<b>\$4,059</b>	<b>317,990</b>	<b>\$0.01460</b>	<b>\$4,642</b>	<b>\$584</b>	<b>\$0.00184</b>	<b>14.4%</b>
34 SDGE Wholesale	1,247,558	\$0.01032	\$12,870	1,247,558	\$0.01322	\$16,490	\$3,620	\$0.00290	28.1%
35 <b>Total Wholesale Incl SDGE</b>	<b>1,565,548</b>	<b>\$0.01081</b>	<b>\$16,929</b>	<b>1,565,548</b>	<b>\$0.01350</b>	<b>\$21,133</b>	<b>\$4,204</b>	<b>\$0.00269</b>	<b>24.8%</b>
36									
37 <b>TOTAL NONCORE</b>	<b>6,088,217</b>	<b>\$0.02181</b>	<b>\$132,774</b>	<b>6,088,217</b>	<b>\$0.02378</b>	<b>\$144,804</b>	<b>\$12,030</b>	<b>\$0.00198</b>	<b>9.1%</b>
38									
39 Unbundled Storage (4)			\$26,476			\$17,020	(\$9,456)		
40 System Total (w/o BTS)	9,544,672	\$0.21215	\$2,024,865	9,544,672	\$0.21404	\$2,042,941	\$18,076	\$0.00189	0.9%
41 Backbone Trans. Service BTS (3)	2,924	\$0.15406	\$164,406	2,924	\$0.15406	\$164,406	\$0	\$0.00000	0.0%
42 <b>SYSTEM TOTALw/BTS</b>	<b>9,544,672</b>	<b>\$0.22937</b>	<b>\$2,189,270</b>	<b>9,544,672</b>	<b>\$0.23126</b>	<b>\$2,207,347</b>	<b>\$18,076</b>	<b>\$0.00189</b>	<b>0.8%</b>
43									
44 EOR Revenues	203,920	\$0.02648	\$5,400	203,920	\$0.02822	\$5,754	\$355	\$0.00174	6.6%
45 <b>Total Throughput w/EOR Mth/yr</b>	<b>9,748,592</b>			<b>9,748,592</b>					

- 1) These rates are for Natural Gas Transportation Service from "Citygate to Meter". The BTS rate is for service from Receipt Point to Citygate.
- 2) These Transmission Level Service "TLS" amounts represent the average transmission rate, see Table 7 or detail list of TLS rates.
- 3) BTS charge (\$/dth/day) is proposed as a separate rate. Core will pay through procurement rate, noncore as a separate charge.
- 4) Unbundles Storage costs are not part of the Core Storage or Load Balancing functions (those are included in transport rates).

**TABLE 2**  
**Residential Transportation Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Volumes	Rate	Revenue	Revenue	Rate	% Rate	
	Volumes	Rate	Revenue	Mth	\$/th	\$000's	Change	Change	change	
	Mth	\$/th	\$000's	D	E	F	\$000's	\$/th	%	
	A	B	C				G	H	I	
1	<b>RESIDENTIAL SERVICE</b>									
2	Customer Charge									
3	Single Family	3,663,383	\$5.00	\$219,803	3,663,383	\$5.00	\$219,803	\$0	\$0.00000	0.0%
4	Multi-Family	1,674,287	\$5.00	\$100,457	1,674,287	\$5.00	\$100,457	\$0	\$0.00000	0.0%
5	Small Master Meter	122,347	\$5.00	\$7,341	122,347	\$5.00	\$7,341	\$0	\$0.00000	0.0%
6	Submeter Credit-\$/unit/day	147,568	(\$0.23573)	(\$12,697)	147,568	(\$0.23573)	(\$12,697)	\$0	\$0.00000	0.0%
7	<b>Volumetric Transportation Rate Excludes CSITMA and CAT:</b>									
8	Baseline Rate	1,583,823	\$0.44569	\$705,891	1,583,823	\$0.44860	\$710,504	\$4,613	\$0.00291	0.7%
9	Non-Baseline Rate	743,221	\$0.70569	\$524,482	743,221	\$0.70860	\$526,647	\$2,164	\$0.00291	0.4%
10		2,327,044	\$0.66405	\$1,545,277	2,327,044	\$0.66696	\$1,552,054	\$6,777	\$0.00291	0.4%
11	NBL/BL Ratio:									
12	Composite Rate \$/th		\$1.04251			\$1.04543		\$0.00291	0.3%	
13	Gas Rate \$/th		\$0.39800			\$0.39800		\$0.00000	0.0%	
14	NBL/Composite rate ratio (4) =		1.06			1.06				
15	NBL- BL rate difference \$/th		0.26000			0.26000		\$0.00000	0.0%	
16										
17	Large Master Meter Rate (Excludes Rate Adders for CAT):									
18	Customer Charge	55	\$373.78	\$248	55	\$373.78	\$248	\$0	\$0.00	0.0%
19	Baseline Rate	7,802	\$0.16846	\$1,314	7,802	\$0.16814	\$1,312	(\$2)	(\$0.00032)	-0.2%
20	Non-Baseline Rate	2,688	\$0.26673	\$717	2,688	\$0.26559	\$714	(\$3)	(\$0.00114)	-0.4%
21		10,490	\$0.21732	\$2,280	10,490	\$0.21679	\$2,274	(\$6)	(\$0.00053)	-0.2%
22										
23	<b>Residential Rates Includes CSITMA, Excludes CAT:</b>									
24	CSITMA Adder to Volumetric Rate	1,671,915	\$0.00102	\$1,712	1,671,915	\$0.00102	\$1,712	\$0	\$0.00000	0.0%
25	Residential:									
26	Customer Charge		\$5.00			\$5.00		\$0.00000	0.0%	
27	Baseline \$/therm		\$0.44671			\$0.44962		\$0.00291	0.7%	
28	Non-Baseline \$/therm		\$0.70671			\$0.70962		\$0.00291	0.4%	
29	Average NonCARE Rate \$/therm		\$0.66508			\$0.66799		\$0.00291	0.4%	
30	Large Master Meter:									
31	Customer Charge		\$373.78			\$373.78		\$0.00	0.0%	
32	BaseLine Rate		\$0.16948			\$0.16916		(\$0.00032)	-0.2%	
33	NonBaseLine Rate		\$0.26775			\$0.26662		(\$0.00114)	-0.4%	
34	Average NonCARE Rate \$/therm		\$0.21834			\$0.21781		(\$0.00053)	-0.2%	
35	<b>Residential Rates Includes CSITMA &amp; CAT:</b>									
36	CAT Adder to Volumetric Rate	8,732	\$0.02026	\$177	8,732	\$0.02026	\$177	\$0	\$0.00000	0%
37	Residential:									
38	Customer Charge		\$5.00			\$5.00		\$0.00000	0.0%	
39	BaseLine Rate		\$0.46697			\$0.46988		\$0.00291	0.6%	
40	NonBaseLine Rate		\$0.72697			\$0.72988		\$0.00291	0.4%	
41	Large Master Meter:									
42	Customer Charge		\$373.78			\$373.78		\$0.00000	0.0%	
43	BaseLine Rate		\$0.18974			\$0.18942		(\$0.00032)	-0.2%	
44	NonBaseLine Rate		\$0.28801			\$0.28687		(\$0.00114)	-0.4%	
45	<b>Other Adjustments :</b>									
46	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)		\$0.00000	0.0%	
47										
48	<b>TOTAL RESIDENTIAL</b>	<b>2,337,534</b>	<b>\$0.66285</b>	<b>\$1,549,446</b>	<b>2,337,534</b>	<b>\$0.66575</b>	<b>\$1,556,217</b>	<b>\$6,771</b>	<b>\$0.00290</b>	<b>0.4%</b>

See footnotes Table 1

**TABLE 3**  
**Core Nonresidential Transportation Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14 Volumes Mth	Average Rate \$/th	Jul-1-14 Revenue \$000's	Volumes Mth	Rate \$/th	Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1										
2	<b>CORE COMMERCIAL &amp; INDUSTRIAL</b>									
3	Customer Charge 1	147,208	\$15.00	\$26,497	147,208	\$15.00	\$26,497	\$0	\$0.00	0.0%
4	Customer Charge 2	60,603	\$15.00	\$10,909	60,603	\$15.00	\$10,909	\$0	\$0.00	0.0%
5	<b>Volumetric Transportation Rate Excludes CSITMA &amp; CAT:</b>									
6	Tier 1 = 250th/mo	223,928	\$0.49725	\$111,348	223,928	\$0.51387	\$115,069	\$3,722	\$0.01662	3.3%
7	Tier 2 = next 4167 th/mo	495,650	\$0.25421	\$126,001	495,650	\$0.26227	\$129,993	\$3,992	\$0.00805	3.2%
8	Tier 3 = over 4167 th/mo	264,524	\$0.09126	\$24,141	264,524	\$0.09357	\$24,752	\$611	\$0.00231	2.5%
9		984,102	\$0.30372	\$298,896	984,102	\$0.31218	\$307,221	\$8,325	\$0.00846	2.8%
10										
11	<b>Volumetric Transportation Rate Includes CSITMA, Excludes CAT:</b>									
12	CSITMA Adder to Volumetric Rate	980,381	\$0.00102	\$1,004	980,381	\$0.00102	\$1,004	\$0	\$0.00000	0.0%
13	Tier 1 = 250th/mo		\$0.49827			\$0.51489			\$0.01662	3.3%
14	Tier 2 = next 4167 th/mo		\$0.25524			\$0.26329			\$0.00805	3.2%
15	Tier 3 = over 4167 th/mo		\$0.09229			\$0.09460			\$0.00231	2.5%
16			\$0.30475			\$0.31321			\$0.00846	
17	<b>Volumetric Transportation Rate Includes CSITMA &amp; CAT:</b>									
18	CAT Adder to Volumetric Rate	84,283	\$0.02026	\$1,707	84,283	\$0.02026	\$1,707	\$0	\$0.00000	0%
19	Tier 1 = 250th/mo		\$0.51853			\$0.53515			\$0.01662	3.2%
20	Tier 2 = next 4167 th/mo		\$0.27549			\$0.28355			\$0.00805	2.9%
21	Tier 3 = over 4167 th/mo		\$0.11254			\$0.11485			\$0.00231	2.1%
22			\$0.32500			\$0.33346			\$0.00846	2.6%
23	<b>Other Adjustments :</b>									
24	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)			\$0.00000	0.0%
25										
26	<b>TOTAL CORE C&amp;I</b>	<b>984,102</b>	<b>\$0.30648</b>	<b>\$301,606</b>	<b>984,102</b>	<b>\$0.31494</b>	<b>\$309,931</b>	<b>\$8,325</b>	<b>\$0.00846</b>	<b>2.8%</b>
27										
28	<b>NATURAL GAS VEHICLES (a sempra-wide rate)</b>									
29	Customer Charge, P-1	229	\$13.00	\$36	229	\$13.00	\$36	\$0	\$0.00000	0.0%
30	Customer Charge, P-2A	83	\$65.00	\$64	83	\$65.00	\$64	\$0	\$0.00000	0.0%
31	Uncompressed Rate Excludes CSITMA	117,220	\$0.09267	\$10,863	117,220	\$0.09612	\$11,267	\$404	\$0.00345	3.7%
32	Total Uncompressed NGV	117,220	\$0.09352	\$10,963	117,220	\$0.09697	\$11,367	\$404	\$0.00345	3.7%
33	Compressed Rate Adder	1,287	\$1.05002	\$1,351	1,287	\$1.05002	\$1,351	\$0	\$0.00000	0.0%
34										
35	<b>Uncompressed Rate Includes CSITMA, Excludes CAT</b>									
36	CSITMA Adder to Volumetric Rate	117,175	\$0.00102	\$120	117,175	\$0.00102	\$120	\$0	\$0.00000	0.0%
37	Uncompressed Rate \$/therm		\$0.09369			\$0.09714			\$0.00345	3.7%
38	<b>Other Adjustments :</b>									
39	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)			\$0.00000	0.0%
40										
41	<b>TOTAL NGV SERVICE</b>	<b>117,220</b>	<b>\$0.10608</b>	<b>\$12,434</b>	<b>117,220</b>	<b>\$0.10952</b>	<b>\$12,838</b>	<b>\$404</b>	<b>\$0.00345</b>	<b>3.3%</b>
42										
43	<b>RESIDENTIAL NATURAL GAS VEHICLES (optional rate)</b>									
44	Customer Charge	5,460	\$10.00	\$655	5,460	\$10.00	\$655	\$0	\$0.00000	0.0%
45	Uncompressed Rate Excludes CSITMA	5,346	\$0.17687	\$946	5,346	\$0.17937	\$959	\$13	\$0.00251	1.4%
46		5,346	\$0.29942	\$1,601	5,346	\$0.30193	\$1,614	\$13	\$0.00251	0.8%
47	<b>Uncompressed Rate Includes CSITMA, Excludes CAT</b>									
48	CSITMA Adder to Volumetric Rate		\$0.00102			\$0.00102			\$0.00000	0.0%
49	Uncompressed Rate \$/therm		\$0.17789			\$0.18040			\$0.00251	1.4%
50										
51	<b>Uncompressed Rate Includes CSITMA &amp; CAT</b>									
52	CAT Adder to Volumetric Rate	0	\$0.02026	\$0	0	\$0.02026	\$0	\$0	\$0.00000	0.0%
53	Uncompressed Rate		\$0.19815			\$0.20065			\$0.00251	1.3%
54	<b>Other Adjustments :</b>									
55	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)			\$0.00000	0.0%
56										
57	<b>TOTAL RESIDENTIAL NATURAL GAS</b>	<b>5,346</b>	<b>\$0.29942</b>	<b>\$1,601</b>	<b>5,346</b>	<b>\$0.30193</b>	<b>\$1,614</b>	<b>\$13</b>	<b>\$0.00251</b>	<b>0.8%</b>



**TABLE 5**  
**Noncore Commercial & Industrial Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Volumes	Rate	Revenue	Revenue	Rate	% Rate	
	Volumes	Rate	Revenue				Change	Change	change	
A	B	C	D	E	F	G	H	I		
1	<b>NonCore Commercial &amp; Industrial Distribution Level</b>									
2	Customer Charge	602	\$350.00	\$2,530	602	\$350.00	\$2,530	\$0	\$0.00000	0.0%
3										
4	<b>Volumetric Rates Includes CARB fee, Excludes CSITMA</b>									
5	Tier 1 = 250kth/yr	133,045	\$0.14943	\$19,881	133,045	\$0.15288	\$20,340	\$459	\$0.00345	2.3%
6	Tier 2 = 250k to 1000k	217,578	\$0.09026	\$19,638	217,578	\$0.09229	\$20,080	\$441	\$0.00203	2.2%
7	Tier 3 = 1 to 2 million th/yr	109,379	\$0.05241	\$5,732	109,379	\$0.05353	\$5,855	\$122	\$0.00112	2.1%
8	Tier 4 = over 2 million th/yr	433,162	\$0.02536	\$10,986	433,162	\$0.02583	\$11,188	\$202	\$0.00047	1.8%
9	Volumetric totals (excl itcs)	893,164	\$0.06296	\$56,237	893,164	\$0.06434	\$57,462	\$1,225	\$0.00137	2.2%
10										
11	<b>Volumetric Rates Includes CARB Fee &amp; CSITMA</b>									
12	CSITMA Adder to Volumetric Rate		\$0.00102	\$899		\$0.00102	\$899	\$0	\$0.00000	0.0%
13	Tier 1 = 250kth/yr		\$0.15045			\$0.15391			\$0.00345	2.3%
14	Tier 2 = 250k to 1000k		\$0.09128			\$0.09331			\$0.00203	2.2%
15	Tier 3 = 1 to 2 million th/yr		\$0.05343			\$0.05455			\$0.00112	2.1%
16	Tier 4 = over 2 million th/yr		\$0.02638			\$0.02685			\$0.00047	1.8%
17	<b>Other Adjustments :</b>									
18	TCA for CSITMA exempt customers		(\$0.00102)			(\$0.00102)			\$0.00000	0.0%
19	CARB Fee Credit \$/th		(\$0.00044)			(\$0.00044)			\$0.00000	0.0%
20	<b>NCCI - DISTRIBUTION LEVEL</b>	<b>893,164</b>	<b>\$0.06680</b>	<b>\$59,667</b>	<b>893,164</b>	<b>\$0.06818</b>	<b>\$60,892</b>	<b>\$1,225</b>	<b>\$0.00137</b>	<b>2.1%</b>
21										
22	NCCI-TRANSMISSION LEVEL Incl C	10,674	\$0.01320	\$141	10,674	\$0.01504	\$161	\$20	\$0.00184	13.9%
23	NCCI-TRANSMISSION LEVEL Incl C	643,782	\$0.01423	\$9,160	643,782	\$0.01606	\$10,342	\$1,182	\$0.00184	12.9%
24	NCCI-TRANSMISSION LEVEL (2)	654,456	\$0.01421	\$9,301	654,456	\$0.01605	\$10,502	\$1,201	\$0.00184	12.9%
25										
26	<b>TOTAL NONCORE C&amp;I</b>	<b>1,547,620</b>	<b>\$0.04456</b>	<b>\$68,968</b>	<b>1,547,620</b>	<b>\$0.04613</b>	<b>\$71,394</b>	<b>\$2,426</b>	<b>\$0.00157</b>	<b>3.5%</b>

**TABLE 6**  
**Noncore Electric Generation Rates and Enhanced Oil Recovery Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14 Volumes Mth	Average Rate \$/th	Jul-1-14 Revenue \$000's	Volumes Mth	Rate \$/th	Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1										
2	<b>ELECTRIC GENERATION</b>									
3										
4										
5	<b>Small EG Distribution Level Service (a Sempra-Wide rate) Excludes CARB fee &amp; CSITMA:</b>									
6	Customer Charge	147	\$50.00	\$88	147	\$50.00	\$88	\$0	\$0.00000	0.0%
7	Volumetric Rate	42,850	\$0.08571	\$3,673	42,850	\$0.08688	\$3,723	\$50	\$0.00116	1.4%
8	Small EG Distribution Level Service	42,850	\$0.08778	\$3,761	42,850	\$0.08894	\$3,811	\$50	\$0.00116	1.3%
9										
10	<b>Large EG Distribution Level Service (a Sempra-Wide rate) Excludes CARB Fee &amp; CSITMA</b>									
11	Customer Charge	34	\$0.00	\$0	34	\$0.00	\$0	\$0	\$0.00000	
12	Volumetric Rate	291,119	\$0.03074	\$8,950	291,119	\$0.03247	\$9,452	\$503	\$0.00173	5.6%
13	Large EG Distribution Level Service	291,119	\$0.03074	\$8,950	291,119	\$0.03247	\$9,452	\$503	\$0.00173	5.6%
14										
15	EG Distribution excl CARB fee & CSITMA	333,969	\$0.03806	\$12,711	333,969	\$0.03971	\$13,263	\$553	\$0.00165	4.3%
16										
17	<b>Volumetric Rates Includes CARB fee, Excludes CSITMA</b>									
18	EFMA Cost Adder	235,121	\$0.00044	\$104	235,121	\$0.00044	\$104	\$0	\$0.00000	0.0%
19	EG-Distribution Tier 1 w/CARB fee		\$0.08616			\$0.08732			\$0.00116	1.3%
20	EG-Distribution Tier 2 w/CARB Fee		\$0.03118			\$0.03291			\$0.00173	5.5%
21	Total - EG Distribution Level	333,969	\$0.03837	\$12,815	333,969	\$0.04003	\$13,367	\$553	\$0.00165	4.3%
22	CARB Fee Credit \$/th		(\$0.00044)			(\$0.00044)			\$0.00000	0.0%
23										
24	EG Transmission Level Service Excl	1,839,870	\$0.01276	\$23,483	1,839,870	\$0.01460	\$26,860	\$3,377	\$0.00184	14.4%
25	EG Transmission Level Service Incl C	801,210	\$0.01320	\$10,580	801,210	\$0.01504	\$12,050	\$1,470	\$0.00184	13.9%
26	EG Transmission Level (2)	2,641,080	\$0.01290	\$34,063	2,641,080	\$0.01473	\$38,910	\$4,847	\$0.00184	14.2%
27										
28	<b>TOTAL ELECTRIC GENERATION</b>	<b>2,975,049</b>	<b>\$0.01576</b>	<b>\$46,877</b>	<b>2,975,049</b>	<b>\$0.01757</b>	<b>\$52,277</b>	<b>\$5,400</b>	<b>\$0.00182</b>	<b>11.5%</b>
29										
30	<b>EOR Rates &amp; revenue Excludes CARB Fee &amp; CSITMA:</b>									
31	Distribution Level EOR:									
32	Customer Charge	23	\$500.00	\$138	23	\$500.00	\$138	\$0	\$0.00000	0.0%
33	Volumetric Rate Excl CARB Fee &	109,229	\$0.03711	\$4,053	109,229	\$0.03876	\$4,234	\$181	\$0.00165	4.5%
34										
35	<b>Volumetric Rates Includes CARB Fee, Excludes CSITMA</b>									
36	CARB Fee		\$0.00044			\$0.00044				
37	Volumetric Rate Incl CARB fee & Excl CSITMA		\$0.03755			\$0.03920			\$0.00165	4.4%
38	Distribution Level EOR	109,229	\$0.03837	\$4,191	109,229	\$0.04003	\$4,372	\$181	\$0.00165	4.3%
39	CARB Fee Credit \$/th		(\$0.00044)			(\$0.00044)			\$0.00000	0.0%
40										
41	Transmission Level EOR Excludes	94,691	\$0.01276	\$1,209	94,691	\$0.01460	\$1,382	\$174	\$0.00184	14.4%
42	<b>Total EOR</b>	<b>203,920</b>	<b>\$0.02648</b>	<b>\$5,400</b>	<b>203,920</b>	<b>\$0.02822</b>	<b>\$5,754</b>	<b>\$355</b>	<b>\$0.00174</b>	<b>6.6%</b>

1) CSITMA - Noncore C&I D Tariff rate includes CSITMA. Customers exempt, including Constitutionally Exempt, receive Transportation Charge Adj. (TCA).

EG Tariff Rate excludes CSITMA, since EG customers are exempt.

2) CARB Fee - EG-D and NCCI-D rates include CARB Fee.

3) EOR customers tariff includes CARB Fee and excludes CSITMA; since EOR customers are exempt from CSITMA and get a credit for CARB Fee.

See footnotes Table 1



**TABLE 7**  
**Transmission Level Service Transportation Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14 Volumes Mth	Average Rate \$/th	Jul-1-14 BCAP Vols \$000's	Volumes Mth, Mdth	Rate \$/th	Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1	<b>Rate Excluding CSITMA &amp; CARB Fee:</b>									
2	Reservation Service Option (RS):									
3	Daily Reservation rate \$/th/day	\$0.00628			\$0.00740		\$0.00112	17.8%		
4	Usage Charge for RS \$/th	\$0.00431			\$0.00463		\$0.00033	7.6%		
5	Class Average Volumetric Rate (CA)									
6	Volumetric Rate \$/th	\$0.00845			\$0.00996		\$0.00151	17.8%		
7	Usage Charge for CA \$/th	\$0.00431			\$0.00463		\$0.00033	7.6%		
8	Class Average Volumetric Rate (CA) \$/th	\$0.01276			\$0.01459		\$0.00183	14.4%		
9										
10	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01467			\$0.01678		\$0.00211	14.4%		
11	135% CA (for Bypass Volumetric BV) \$/th	\$0.01723			\$0.01970		\$0.00248	14.4%		
12	<b>Total Transmission Level Service (NC)</b>	<b>3,295,536</b>	<b>\$0.01276</b>	<b>\$42,062</b>	<b>3,295,536</b>	<b>\$0.01460</b>	<b>\$48,110</b>	<b>\$6,048</b>	<b>\$0.00184</b>	<b>14.4%</b>
13										
14	<b>C&amp;I Rate Including CSITMA &amp; CARB Fee:</b>									
15	CSITMA Adder to Usage Charge	643,782	\$0.00102	\$659	643,782	\$0.00102	\$659	\$0	\$0.00000	
16	CARB Fee Adder	1,455,666	\$0.00044	\$643	1,455,666	\$0.00044	\$643	\$0	\$0.00000	
17	Reservation Service Option (RS):									
18	Daily Reservation rate \$/th/day	\$0.00628			\$0.00740		\$0	\$0.00112	17.8%	
19	Usage Charge for RS \$/th	\$0.00577			\$0.00610		\$0	\$0.00033	5.6%	
20	Class Average Volumetric Rate (CA)									
21	Volumetric Rate \$/th	\$0.00845			\$0.00996		\$0	\$0.00151	17.8%	
22	Usage Charge for CA \$/th	\$0.00577			\$0.00610		\$0	\$0.00033	5.6%	
23	Class Average Volumetric Rate (CA) \$/th	\$0.01423			\$0.01606		\$0	\$0.00183	12.9%	
24										
25	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01614			\$0.01825		\$0	\$0.00211	13.1%	
26	135% CA (for Bypass Volumetric BV) \$/th	\$0.01869			\$0.02117		\$0	\$0.00248	13.2%	
27	<b>Other Adjustments :</b>									
28	Transportation Charge Adj. (TCA) for CSITMA exer		(\$0.00102)			(\$0.00102)		\$0.00000		
29	California Air Resources Board (CARB) Fee Credit		(\$0.00044)			(\$0.00044)		\$0.00000		
30	<b>Total Transmission Level Service In</b>	<b>3,295,536</b>	<b>\$0.01316</b>	<b>\$43,364</b>	<b>3,295,536</b>	<b>\$0.01499</b>	<b>\$49,412</b>	<b>\$6,048</b>	<b>\$0.00184</b>	<b>13.9%</b>
31										
32	<b>EG &amp; EOR Rate Including EFMA, excluding CSITMA:</b>									
33	CARB Fee Adder	\$0.00044			\$0.00044		\$0.00000			
34	Reservation Service Option (RS):									
35	Daily Reservation rate \$/th/day	\$0.00628			\$0.00740		\$0	\$0.00112	17.8%	
36	Usage Charge for RS \$/th	\$0.00475			\$0.00507		\$0	\$0.00033	6.9%	
37	Class Average Volumetric Rate (CA)									
38	Volumetric Rate \$/th	\$0.00845			\$0.00996		\$0	\$0.00151	17.8%	
39	Usage Charge for CA \$/th	\$0.00475			\$0.00507		\$0	\$0.00033	6.9%	
40	Class Average Volumetric Rate (CA) \$/th	\$0.01320			\$0.01504		\$0	\$0.00183	13.9%	
41										
42	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01512			\$0.01723		\$0	\$0.00211	14.0%	
43	135% CA (for Bypass Volumetric BV) \$/th	\$0.01767			\$0.02014		\$0	\$0.00248	14.0%	
44										
45	<b>Other Adjustments :</b>									
46	California Air Resources Board (CARB) Fee Credit		(\$0.00044)			(\$0.00044)		\$0.00000	0.0%	
47										
48	<b>Rate Excluding CSITMA, CARB Fee, &amp; Uncollectibles (applicable to Wholesale &amp; International):</b>									
49	Reservation Service Option (RS):									
50	Daily Reservation rate \$/th/day	\$0.00626			\$0.00738		\$0.00112	17.8%		
51	Usage Charge for RS \$/th	\$0.00430			\$0.00462		\$0.00032	7.6%		
52	Class Average Volumetric Rate (CA)									
53	Volumetric Rate \$/th	\$0.00843			\$0.00993		\$0.00150	17.8%		
54	Usage Charge for CA \$/th	\$0.00430			\$0.00462		\$0.00032	7.6%		
55	Class Average Volumetric Rate (CA) \$/th	\$0.01272			\$0.01455		\$0.00183	14.4%		
56										
57	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01463			\$0.01674		\$0.00210	14.4%		
58	135% CA (for Bypass Volumetric BV) \$/th	\$0.01718			\$0.01965		\$0.00247	14.4%		
59	<b>Total Transmission Level Service (N)</b>	<b>317,990</b>	<b>\$0.01276</b>	<b>\$4,059</b>	<b>317,990</b>	<b>\$0.01460</b>	<b>\$4,642</b>	<b>\$584</b>	<b>\$0.00184</b>	<b>14.4%</b>
60										
61	<b>Average Transmission Level Service</b>	<b>3,613,526</b>	<b>\$0.01312</b>	<b>\$47,423</b>	<b>3,613,526</b>	<b>\$0.01496</b>	<b>\$54,054</b>	<b>\$6,632</b>	<b>\$0.00184</b>	<b>14.0%</b>

**TABLE 8**  
**Backbone Transmission Service and Storage Rates**  
**Southern California Gas Company**

	Present Rates			Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Volumes	Rate	Revenue	Revenue	Rate	% Rate	
	Volumes	Rate	BCAP Vols							Change
	Mth	\$/th	\$000's	Mth, Mdth	\$/th	\$000's	\$000's	\$/th	%	
A	B	C	D	E	F	G	H	I		
1	<b>Backbone Transmission Service BTS</b>									
2	BTS SFV Reservation Charge \$/dth/	2,924	\$0.15406	\$164,406	2,924	\$0.15406	\$164,406	\$0	\$0.00000	0.0%
3	BTS MFV Reservation Charge \$/dth/day		\$0.12325			\$0.12325				
4	BTS MFV Volumetric Charge \$/dth		\$0.03081			\$0.03081				
5	BTS Interruptible Volumetric Charge \$/therm		\$0.15406			\$0.15406		\$0.00000	0.0%	
6										
7										
8	<b>Storage Rates:</b>									
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			

See footnotes Table 1

- 1) CSITMA - NCCI and EG TLS Tariff rates include CSITMA. Customers exempt (Constitutional Exempt and EG) receive Transportation Charge Adjustment TCA.
- 2) EFMA - TLS NCCI, EOR and EG Tariff rates include CSITMA. TLS NCCI, EOR and EG customers exempt as they pay CARB fees directly receive credit.
- 3) Wholesale Customers exclude CSITMA and EFMA since these customers are exempt.

# **SDG&E 2016 Illustrative Rate Impacts**

**TABLE 1**  
**Natural Gas Transportation Rate Revenues**  
**San Diego Gas & Electric**  
**January, 2016 Rates**

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-14	Average	Jul-1-14		Average				Rate
	Volumes	Rate	Revenues	Volumes	Rate	Revenues	Revenues	Rates	change
	mtherms	\$/therm	\$000's	mtherms	\$/therm	\$000's	\$000's	\$/therm	%
	A	B	C	D	E	F	G	H	I
1 <b>CORE</b>									
2 Residential	321,869	\$0.80195	\$258,123	321,869	\$0.80462	\$258,981	\$858	\$0.00267	0.3%
3 Commercial & Industrial	177,578	\$0.24302	\$43,155	177,578	\$0.24494	\$43,496	\$341	\$0.00192	0.8%
4									
5 NGV - Pre SempraWide	11,417	\$0.13960	\$1,594	11,417	\$0.14086	\$1,608	\$14	\$0.00127	0.9%
6 SempraWide Adjustment	11,417	(\$0.01814)	(\$207)	11,417	(\$0.01709)	(\$195)	\$12	\$0.00105	-5.8%
7 NGV Post SempraWide	11,417	\$0.12146	\$1,387	11,417	\$0.12377	\$1,413	\$26	\$0.00231	1.9%
8									
9 Total CORE	510,864	\$0.59246	\$302,665	510,864	\$0.59486	\$303,890	\$1,226	\$0.00240	0.4%
10									
11 <b>NONCORE COMMERCIAL &amp; INDUSTRIAL</b>									
12 Distribution Level Service	25,161	\$0.06291	\$1,583	25,161	\$0.06410	\$1,613	\$30	\$0.00120	1.9%
13 Transmission Level Service (2)	13,582	\$0.02165	\$294	13,582	\$0.02277	\$309	\$15	\$0.00112	5.2%
14 Total Noncore C&I	38,743	\$0.04844	\$1,877	38,743	\$0.04961	\$1,922	\$45	\$0.00117	2.4%
15									
16 <b>NONCORE ELECTRIC GENERATION</b>									
17 Distribution Level Service									
18 Pre Sempra Wide	103,761	\$0.01656	\$1,718	103,761	\$0.01770	\$1,837	\$119	\$0.00114	6.9%
19 Sempra Wide Adjustment	103,761	\$0.02439	\$2,531	103,761	\$0.02422	\$2,514	(\$17)	(\$0.00017)	-0.7%
20 Distribution Level post SW	103,761	\$0.04095	\$4,249	103,761	\$0.04193	\$4,351	\$101	\$0.00098	2.4%
21 Transmission Level Service (2)	577,118	\$0.01298	\$7,491	577,118	\$0.01410	\$8,135	\$644	\$0.00112	8.6%
22 Total Electric Generation	680,879	\$0.01724	\$11,741	680,879	\$0.01834	\$12,486	\$745	\$0.00109	6.3%
23									
24 <b>TOTAL NONCORE</b>	719,622	\$0.01892	\$13,617	719,622	\$0.02002	\$14,408	\$790	\$0.00110	5.8%
25									
26 <b>SYSTEM TOTAL</b>	<b>1,230,486</b>	<b>\$0.25704</b>	<b>\$316,282</b>	<b>1,230,486</b>	<b>\$0.25868</b>	<b>\$318,298</b>	<b>\$2,016</b>	<b>\$0.00164</b>	<b>0.6%</b>

- 1) These rates are for Natural Gas Transportation Service from "Citygate to Meter". The BTS rate is for service from Receipt Point to Citygate. BTS is a SoCalGas tariff and service is purchased from SoCalGas.
- 2) Average transmission level service rate is shown here, see Rate Table 6 for detail list of TLS rates.
- 3) All rates include Franchise Fees & Uncollectible charges

**TABLE 2**  
**Core Gas Transportation Rates**  
**San Diego Gas & Electric**  
**January, 2015 Rates**

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-14 Volumes mtherms A	Average Rate \$/therm B	Jul-1-14 Revenues \$000's C	Volumes mtherms D	Average Rate \$/therm E	Revenues \$000's F	Revenues \$000's G	Rates \$/therm H	Rate change % I
1	<b>RESIDENTIAL RATES Schedule GR,GM</b>								
2	<b>Rates Excluding CSITMA &amp; CAT</b>								
3	Customer Charge \$/month	848,086	\$0.00	\$0	848,086	\$0.00	\$0	\$0.00	
4									
5	Baseline \$/therm	217,220	\$0.75290	\$163,546	217,220	\$0.75544	\$164,096	\$551	\$0.00254 0.3%
6	Non-Baseline \$/therm	104,649	\$0.91838	\$96,108	104,649	\$0.92128	\$96,411	\$304	\$0.00290 0.3%
7	Average Rate \$/therm	321,869	\$0.80670	\$259,653	321,869	\$0.80936	\$260,507	\$854	\$0.00265 0.3%
8	NBL/BL Ratio								
9	Composite Rate \$/th								
10	NBL/Composite rate ratio		1.14			1.14			
11	NBL- BL rate difference \$/th								
12									
13	<b>Rates Including CSITMA, Excluding CAT</b>								
14	CSITMA Adder to Volumetric Rate	256,575	\$0.00771	\$1,977	256,575	\$0.00771	\$1,977	\$0	\$0.00000 0.0%
15	Baseline \$/therm		\$0.76061			\$0.76314		\$0.00254	0.3%
16	Non-Baseline \$/therm		\$0.92609			\$0.92899		\$0.00290	0.3%
17	Average NonCARE Rate \$/therm		\$0.81441			\$0.81707		\$0.00265	0.3%
18									
19	<b>Sub Meter Credit Schedule GS,GT</b>								
20	GS Unit Discount \$/day	6,004	(\$0.29392)	(\$644)	6,004	(\$0.29392)	(\$644)	\$0	\$0.00000 0.0%
21	GT Unit Discount \$/day	27,745	(\$0.36460)	(\$3,692)	27,745	(\$0.36460)	(\$3,692)	\$0	\$0.00000 0.0%
22									
23	<b>Schedule GL-1</b>								
24	LNG Facility Charge, domestic use \$/m	289	\$14.79	\$51	289	\$14.79	\$51	\$0.00000	0.0%
25	LNG Facility Charge, non-domestic \$/mth/mbtu		\$0.05480			\$0.05480		\$0.00000	0.0%
26	LNG Volumetric Surcharge \$/th	100	\$0.16571	\$16	100	\$0.16571	\$16	\$0.00000	0.0%
27				\$68			\$68		
28	<b>Volumetric Rates Including CSITMA &amp; CAT</b>								
29	CAT Adder to Volumetric Rate	247	\$0.00000	\$0	247	\$0.00000	\$0	\$0	\$0.00000
30	Baseline \$/therm		\$0.76061			\$0.76314		\$0.00254	0.3%
31	Non-Baseline \$/therm		\$0.92609			\$0.92899		\$0.00290	0.3%
32	Average Rate \$/therm		\$0.81441			\$0.81707		\$0.00265	0.3%
33									
34	<b>Other Adjustments :</b>								
35	Employee Discount			(\$412)		(\$412)	\$0		
36	SDFFD			\$1,173		\$1,177	\$4		
37									
38	Credit for CSITMA Exempt Cutomers:		(\$0.00771)			(\$0.00771)		\$0.00000	0.0%
39									
40									
41	<b>Total Residential</b>	<b>321,869</b>	<b>\$0.80195</b>	<b>\$258,123</b>	<b>321,869</b>	<b>\$0.80462</b>	<b>\$258,981</b>	<b>\$858</b>	<b>\$0.00267 0.3%</b>

See footnotes Table 1

**TABLE 3**  
**Natural Gas Transportation Rate Revenues**  
**San Diego Gas & Electric**

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Average					Rate	
	Volumes	Rate	Revenues	Volumes	Rate	Revenues	Revenues	Rates	change	
	mtherms	\$/therm	\$000's	mtherms	\$/therm	\$000's	\$000's	\$/therm	%	
	A	B	C	D	E	F	G	H	I	
1	<b>Other Core Rates \$/therm</b>									
2	Schedule GPC - Procurement Price		\$0.39800		\$0.39800			\$0.00000	0.0%	
3										
4	<b>CORE COMMERCIAL &amp; INDUSTRIAL RATES Schedule GN-3</b>									
5	Customer Charge \$/month	29,865	\$10.00	\$3,584	29,865	\$10.00	\$3,584	\$0	\$0.00000	0.0%
6										
7	<b>Rates Excluding CSITMA &amp; CAT</b>									
8	Tier 1 = 0 to 1,000 therms/month	79,475	\$0.30847	\$24,515	79,475	\$0.31038	\$24,667	\$152	\$0.00191	0.6%
9	Tier 2 = 1,001 to 21,000 therms/month	82,322	\$0.14514	\$11,948	82,322	\$0.14704	\$12,105	\$157	\$0.00191	1.3%
10	Tier 3 = over 21,000 therms/month	15,781	\$0.09900	\$1,562	15,781	\$0.10090	\$1,592	\$30	\$0.00191	1.9%
11										
12	<b>Rates Including CSITMA, Excluding CAT</b>									
13	CSITMA Adder to Volumetric Rate	169,353	\$0.00771	\$1,305	169,353	\$0.00771	\$1,305	\$0	\$0.00000	0.0%
14	Tier 1 = 0 to 1,000 therms/month		\$0.31617			\$0.31808		\$0.00191	0.6%	
15	Tier 2 = 1,001 to 21,000 therms/month		\$0.15284			\$0.15475		\$0.00191	1.2%	
16	Tier 3 = over 21,000 therms/month		\$0.10670			\$0.10861		\$0.00191	1.8%	
17										
18	<b>Rates Including CSITMA &amp; CAT</b>									
19	CAT Adder to Volumetric Rate	23,606	\$0.00000	\$0	23,606	\$0.00000	\$0	\$0	\$0.00000	
20	Tier 1 = 0 to 1,000 therms/month		\$0.31617			\$0.31808		\$0.00191	0.6%	
21	Tier 2 = 1,001 to 21,000 therms/month		\$0.15284			\$0.15475		\$0.00191	1.2%	
22	Tier 3 = over 21,000 therms/month		\$0.10670			\$0.10861		\$0.00191	1.8%	
23										
24	<b>Other Adjustments :</b>									
25	Adjustment for SDFFD			\$241			\$243	\$2		
26	Credit for CSITMA Exempt Cutomers:		(\$0.00771)			(\$0.00771)		\$0.00000	0.0%	
27										
28	<b>Total Core C&amp;I</b>	<b>177,578</b>	<b>\$0.24302</b>	<b>\$43,155</b>	<b>177,578</b>	<b>\$0.24494</b>	<b>\$43,496</b>	<b>\$341</b>	<b>\$0.00192</b>	<b>0.8%</b>

1) CSITMA - Tariff rate includes CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA.  
CARE participants receive 20% CARE discount (Tariff rate less Credit for CSITMA Exempt Customers)\*20%

See footnotes Table 1

**TABLE 4**  
**Other Core Gas Transportation Rates**  
**San Diego Gas & Electric**

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Average	Jul-1-14	Revenues	Rates	Rate		
	Volumes mtherms A	Rate \$/therm B	Revenues \$000's C	Volumes mtherms D	Rate \$/therm E	Revenues \$000's F	Revenues \$000's G	\$/therm H	change % I	
1	<b>NATURAL GAS VEHICLE RATES G-NGV</b>			<i>Sempra-Wide NGV Rates</i>			<i>Sempra-Wide NGV Rates</i>			
2	Customer Charge									
3	P1 \$/month	24	\$13.00	\$4	24	\$13.00	\$4	\$0	\$0.00	0.0%
4	P2A \$/month	10	\$65.00	\$8	10	\$65.00	\$8	\$0	\$0.00	0.0%
5										
6	<b>Uncompressed Rate Excl CSITMA &amp; CAT</b>	11,417	\$0.09319	\$1,064	11,417	\$0.09550	\$1,090	\$26	\$0.00231	2.5%
7	Compressor Adder \$/therm Excludes CSITMA	209	\$1.05591	\$220	209	\$1.05591	\$220	\$0	\$0.00000	0.0%
8	Combined transport & compressor adder \$/th	\$1.14910			\$1.15141			\$0.00231	0.2%	
9										
10	<b>Volumetric Rates Includes CSITMA, Excludes CAT</b>									
11	CSITMA Adder to Volumetric Rate	11,399	\$0.00771	\$88	11,399	\$0.00771	\$88	\$0	\$0.00000	0.0%
12	Uncompressed Rate \$/therm	\$0.10090			\$0.10321			\$0.00231	2.3%	
13	Combined transport & compressor adder \$/th	\$1.15681			\$1.15912			\$0.00231	0.2%	
14										
15	<b>Volumetric Rates Includes CSITMA &amp; CAT</b>									
16	CAT Adder to Volumetric Rate	\$0.00000			\$0.00000					
17	Uncompressed Rate \$/therm	\$0.10090			\$0.10321			\$0	\$0.00231	2.3%
18	Combined transport & compressor adder \$/th	\$1.15681			\$1.15912			\$0.00231	0.2%	
19	<b>Other Adjustments :</b>									
20	Adjustment for SDDFD			\$3			\$3	\$0		
21	Credit for CSITMA Exempt Cutomers \$/th	(\$0.00771)			(\$0.00771)			\$0	\$0.00000	0.0%
22										
23										
24	<b>Total NGV</b>	<b>11,417</b>	<b>\$0.12146</b>	<b>\$1,387</b>	<b>11,417</b>	<b>\$0.12377</b>	<b>\$1,413</b>	<b>\$26</b>	<b>\$0.00231</b>	<b>1.9%</b>
25										
26	<b>RESIDENTIAL NATURAL GAS VEHICLES (optional rate)</b>									
27	Customer Charge	848	\$5.00	\$51	848	\$5.00	\$51	\$0	\$0.00	0.0%
28	<b>Uncompressed Rate w/o CSITMA &amp; CAT</b>	929	\$0.25455	\$237	929	\$0.25524	\$237	\$1	\$0.00069	0.3%
29		929	\$0.30931	\$287	929	\$0.31000	\$288	\$1	\$0.00069	0.2%
30										
31	<b>Volumetric Rates Including CSITMA , Excluding CAT</b>									
32	CSITMA Adder to Volumetric Rate	\$0.00771			\$0.00771			\$0.00000	0.0%	
33	Uncompressed Rate \$/therm	\$0.26226			\$0.26294			\$0.00069	0.3%	
34										
35	<b>Volumetric Rates Includes CSITMA &amp; CAT</b>									
36	CAT Adder to Volumetric Rate	0	\$0.00000	\$0	0	\$0.00000	\$0	\$0	\$0.00000	
37	Uncompressed Rate \$/therm	\$0.26226			\$0.26294			\$0	\$0.00069	0.3%
38										
39	<b>Other Adjustments :</b>									
40	Adjustment for SDDFD			\$0			\$0	\$0		
41	Credit for CSITMA Exempt Cutomers \$/th	(\$0.00771)			(\$0.00771)			\$0	\$0.00000	0.0%
42										
43	<b>Total Res NGV</b>	<b>929</b>	<b>\$0.30931</b>	<b>\$287</b>	<b>929</b>	<b>\$0.31000</b>	<b>\$288</b>	<b>\$1</b>	<b>\$0.00069</b>	<b>0.2%</b>

1) CSITMA - Tariff rate includes CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA.

**TABLE 5**  
**NonCore Gas Transportation Rates**  
**San Diego Gas & Electric**

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-14 Volumes mtherms A	Average Rate \$/therm B	Jul-1-14 Revenues \$000's C	Volumes mtherms D	Average Rate \$/therm E	Revenues \$000's F	Revenues \$000's G	Rates \$/therm H	Rate change % I
<b>1 NonCore Commercial &amp; Industrial Distribution Level</b>									
2 Customer Charges \$/month	54	\$350.00	\$228	54	\$350.00	\$228	\$0	\$0.00	0.0%
3									
4 <b>Volumetric Charges Incl CARB Fee, E</b>	25,161	\$0.04716	\$1,187	25,161	\$0.04836	\$1,217	\$30	\$0.00120	2.5%
5 CSITMA Adder to Volumetric Rate	21,818	\$0.00771	\$168	21,818	\$0.00771	\$168	\$0	\$0.00000	0.0%
6									
7 <b>Volumetric Charges Incl CARB Fee, Incl CSITMA</b>									
8 Volumetric Rates \$/therm		\$0.05487			\$0.05607			\$0.00120	2.2%
9									
10 <b>Other Adjustments :</b>									
11 SDDFD									
12 Credit for CSITMA Exempt Cutomers \$/th		(\$0.00771)			(\$0.00771)			\$0.00000	0.0%
13 Credit for CARB Fee Exempt Customers \$/th		(\$0.00118)			(\$0.00118)				
14 <b>NCCI-Distribution Total</b>	<b>25,161</b>	<b>\$0.06291</b>	<b>\$1,583</b>	<b>25,161</b>	<b>\$0.06410</b>	<b>\$1,613</b>	<b>\$30</b>	<b>\$0.00120</b>	<b>1.9%</b>
15									
16 <b>NCCI-Transmission Total (1)</b>	<b>13,582</b>	<b>\$0.02165</b>	<b>\$294</b>	<b>13,582</b>	<b>\$0.02277</b>	<b>\$309</b>	<b>\$15</b>	<b>\$0.00112</b>	<b>5.2%</b>
17									
18 <b>Total NonCore C&amp;I</b>	<b>38,743</b>	<b>\$0.04844</b>	<b>\$1,877</b>	<b>38,743</b>	<b>\$0.04961</b>	<b>\$1,922</b>	<b>\$45</b>	<b>\$0.00117</b>	<b>2.4%</b>
19									
20 <b>ELECTRIC GENERATION</b>									
21									
22 <b>Small EG Ditsribution Level Service (a Sempra-Wide rate) Excludes CARB Fee &amp; CSITMA</b>									
23 Customer Charge, \$/month	40	\$50.00	\$24	40	\$50.00	\$24	\$0	\$0.00	0.0%
24 Volumetric Rate \$/therm	16,347	\$0.08620	\$1,409	16,347	\$0.08683	\$1,419	\$10	\$0.00	0.7%
25									
26 <b>Large EG Ditsribution Level Service (a Sempra-Wide rate) Excludes CARB Fee, CSITMA</b>									
27 Customer Charge, \$/month		\$0.00			\$0.00			\$0.00	
28 Volumetric Rate (Incl ITCS) \$/th	87,414	\$0.03091	\$2,702	87,414	\$0.03195	\$2,793	\$91	\$0.00	3.4%
29									
30 EG Distribution excl CARB Fee, CSITMA	103,761	\$0.03985	\$4,135	103,761	\$0.04083	\$4,237	\$101	\$0.00	2.4%
31									
32 <b>Volumetric Rates Including CARB Fee, Excluding CSITMA:</b>									
33 Carb Fee Cost Adder - Small	14,770	\$0.00118	\$17	14,770	\$0.00118	\$17	\$0	\$0.00000	
34 CARB Fee Cost Adder - Large	81,853	\$0.00118	\$97	81,853	\$0.00118	\$97			
35 EG-Distribution Tier 1 Incl CARB fee, Excl CSITMA		\$0.08738			\$0.08801			\$0.00063	0.7%
36 EG-Distribution Tier 2 Incl CARB Fee, Excl CSITMA		\$0.03209			\$0.03313			\$0.00104	3.2%
37 Total - EG Distribution Level	103,761	\$0.04095	\$4,249	103,761	\$0.04193	\$4,351	\$101	\$0.00098	2.4%
38 Credit for CARB Fee Exempt Customers \$/th		(\$0.00118)			(\$0.00118)				
39									
40 EG Transmission Level Service Excl CA	471,084	\$0.01276	\$6,013	471,084	\$0.01388	\$6,538			
41 EG Transmission Level Service Incl CA	106,034	\$0.01394	\$1,479	106,034	\$0.01506	\$1,597	\$118	\$0.00	8.0%
42 EG Transmission Level Service - Avera	577,118	\$0.01298	\$7,491	577,118	\$0.01410	\$8,135			
43									
44 <b>TOTAL ELECTRIC GENERATION</b>	<b>680,879</b>	<b>\$0.01724</b>	<b>\$11,741</b>	<b>680,879</b>	<b>\$0.01834</b>	<b>\$12,486</b>	<b>\$745</b>	<b>\$0.00109</b>	<b>6.3%</b>

1) CSITMA - Tariff rate includes CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA.  
Schedule EG Tariff Rate excludes CSITMA, since EG customers are exempt.

2) EFMA - GTNC and EG Tariff rates includes EFMA. Those EG and GTNC customers that are exempt will receive EFMA credit.

See footnotes Table 1



**TABLE 6**  
**Transmission Level Service Gas Transportation Rates**  
**San Diego Gas & Electric**

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Average			Revenues	Rates	Rate	
	Volumes	Rate	Revenues	Volumes	Rate	Revenues	\$000's	\$/therm	change	
	mtherms	\$/therm	\$000's	mtherms	\$/therm	\$000's	\$000's	\$/therm	%	
	A	B	C	D	E	F	G	H	I	
<b>1</b>	<b>Transmission Level Service Rate Excluding CSITMA &amp; CARB Fee</b>									
<b>2</b>	Reservation Service Option (RS):									
<b>3</b>	Daily Reservation rate \$/th/day	\$0.00631		\$0.00700		\$0	\$0	\$0.00068	10.8%	
<b>4</b>	Usage Charge for RS \$/th	\$0.00433		\$0.00453		\$0	\$0	\$0.00020	4.6%	
<b>5</b>										
<b>6</b>	Class Average Volumetric Rate (CA)									
<b>7</b>	Volumetric Rate \$/th	\$0.00850		\$0.00942		\$0	\$0	\$0.00092	10.8%	
<b>8</b>	Usage Charge for CA \$/th	\$0.00433		\$0.00453		\$0	\$0	\$0.00020	4.6%	
<b>9</b>	Class Average Volumetric Rate CA \$/th	\$0.01283		\$0.01395		\$0	\$0	\$0.00112	8.7%	
<b>10</b>										
<b>11</b>	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01476		\$0.01605		\$0	\$0	\$0.00129	8.7%	
<b>12</b>	135% CA (for Bypass Volumetric BV) \$/th	\$0.01732		\$0.01884		\$0	\$0	\$0.00151	8.7%	
<b>13</b>										
<b>14</b>	Average Transmission Level Service	590,700	\$0.01276	\$7,539	590,700	\$0.01388	\$8,198	\$659	\$0.00112	8.7%
<b>15</b>										
<b>16</b>	<b>C&amp;I Rate Including CSITMA &amp; CARB Fee</b>									
<b>17</b>	CSITMA Adder to Usage Rate \$/th	13,582	\$0.00771	\$105	13,582	\$0.00771	\$105	\$0	\$0.00000	0.0%
<b>18</b>	EFMA Cost Adder	119,616	\$0.00118	\$141	119,616	\$0.00118	\$141	\$0	\$0.00000	0.0%
<b>19</b>	Reservation Service Option (RS):									
<b>20</b>	Daily Reservation rate \$/th/day	\$0.00631		\$0.00700		\$0	\$0	\$0.00068	10.8%	
<b>21</b>	Usage Charge for RS \$/th	\$0.01322		\$0.01342		\$0	\$0	\$0.00020	1.5%	
<b>22</b>										
<b>23</b>	Class Average Volumetric Rate (CA)									
<b>24</b>	Volumetric Rate \$/th	\$0.00850		\$0.00942		\$0	\$0	\$0.00092	10.8%	
<b>25</b>	Usage Charge for CA \$/th	\$0.01322		\$0.01342		\$0	\$0	\$0.00020	1.5%	
<b>26</b>	Class Average Volumetric Rate CA \$/th	\$0.02172		\$0.02284		\$0	\$0	\$0.00112	5.2%	
<b>27</b>										
<b>28</b>	115% CA (for NonBypass Volumetric NV) \$/th	\$0.02364		\$0.02493		\$0	\$0	\$0.00129	5.5%	
<b>29</b>	135% CA (for Bypass Volumetric BV) \$/th	\$0.02621		\$0.02772		\$0	\$0	\$0.00151	5.8%	
<b>30</b>										
<b>31</b>	<b>Other Adjustments:</b>									
<b>32</b>	Credit for CSITMA Exempt Cutomers \$/th		(\$0.00771)		(\$0.00771)			\$0.00000	0.0%	
<b>33</b>	CARB Fee Credit for Exempt Customers \$/th		(\$0.00118)		(\$0.00118)			\$0.00000	0.0%	
<b>34</b>										
<b>35</b>	<b>EG Rate Including CARB Fee, excluding CSITMA:</b>									
<b>36</b>	CARB Fee Cost Adder		\$0.00118		\$0.00118			\$0.00000		
<b>37</b>	Reservation Service Option (RS):									
<b>38</b>	Daily Reservation rate \$/th/day	\$0.00631		\$0.00700		\$0	\$0	\$0.00068	10.8%	
<b>39</b>	Usage Charge for RS \$/th	\$0.00551		\$0.00571		\$0	\$0	\$0.00020	3.6%	
<b>40</b>										
<b>41</b>	Class Average Volumetric Rate (CA)									
<b>42</b>	Volumetric Rate \$/th	\$0.00850		\$0.00942		\$0	\$0	\$0.00092	10.8%	
<b>43</b>	Usage Charge for CA \$/th	\$0.00551		\$0.00571		\$0	\$0	\$0.00020	3.6%	
<b>44</b>	Class Average Volumetric Rate CA \$/th	\$0.01401		\$0.01513		\$0	\$0	\$0.00112	8.0%	
<b>45</b>										
<b>46</b>	115% CA (for NonBypass Volumetric NV) \$/th	\$0.01594		\$0.01723		\$0	\$0	\$0.00129	8.1%	
<b>47</b>	135% CA (for Bypass Volumetric BV) \$/th	\$0.01850		\$0.02002		\$0	\$0	\$0.00151	8.2%	
<b>48</b>										
<b>49</b>	<b>Other Adjustments:</b>									
<b>50</b>	CARB Fee Credit for Exempt Customers \$/th		(\$0.00118)		(\$0.00118)			\$0.00000	0.0%	
<b>51</b>										
<b>52</b>	Average Transmission Level Service	590,700	\$0.01318	\$7,785	590,700	\$0.01430	\$8,444	\$659	\$0.00112	8.5%

**SDG&E 2017-2019**  
**Illustrative Rate Impacts**

**TABLE 1**  
**Natural Gas Transportation Rate Revenues**  
**San Diego Gas & Electric**  
**2017-2019 Rates**

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-14	Average	Jul-1-14		Average				Rate
	Volumes	Rate	Revenues	Volumes	Rate	Revenues	Revenues	Rates	change
	mtherms	\$/therm	\$000's	mtherms	\$/therm	\$000's	\$000's	\$/therm	%
	A	B	C	D	E	F	G	H	I
<b>CORE</b>									
Residential	321,869	\$0.80195	\$258,123	321,869	\$0.80680	\$259,685	\$1,562	\$0.00485	0.6%
Commercial & Industrial	177,578	\$0.24302	\$43,155	177,578	\$0.24692	\$43,847	\$692	\$0.00390	1.6%
NGV - Pre SempraWide	11,417	\$0.13960	\$1,594	11,417	\$0.14204	\$1,622	\$28	\$0.00245	1.8%
SempraWide Adjustment	11,417	(\$0.01814)	(\$207)	11,417	(\$0.01711)	(\$195)	\$12	\$0.00103	-5.7%
NGV Post SempraWide	11,417	\$0.12146	\$1,387	11,417	\$0.12493	\$1,426	\$40	\$0.00347	2.9%
<b>Total CORE</b>	<b>510,864</b>	<b>\$0.59246</b>	<b>\$302,665</b>	<b>510,864</b>	<b>\$0.59695</b>	<b>\$304,959</b>	<b>\$2,294</b>	<b>\$0.00449</b>	<b>0.8%</b>
<b>NONCORE COMMERCIAL &amp; INDUSTRIAL</b>									
Distribution Level Service	25,161	\$0.06291	\$1,583	25,161	\$0.06488	\$1,633	\$50	\$0.00198	3.1%
Transmission Level Service (2)	13,582	\$0.02165	\$294	13,582	\$0.02349	\$319	\$25	\$0.00184	8.5%
<b>Total Noncore C&amp;I</b>	<b>38,743</b>	<b>\$0.04844</b>	<b>\$1,877</b>	<b>38,743</b>	<b>\$0.05037</b>	<b>\$1,951</b>	<b>\$75</b>	<b>\$0.00193</b>	<b>4.0%</b>
<b>NONCORE ELECTRIC GENERATION</b>									
Distribution Level Service									
Pre Sempra Wide	103,761	\$0.01656	\$1,718	103,761	\$0.01845	\$1,915	\$196	\$0.00189	11.4%
Sempra Wide Adjustment	103,761	\$0.02439	\$2,531	103,761	\$0.02415	\$2,506	(\$25)	(\$0.00024)	-1.0%
Distribution Level post SW	103,761	\$0.04095	\$4,249	103,761	\$0.04260	\$4,420	\$171	\$0.00165	4.0%
Transmission Level Service (2)	577,118	\$0.01298	\$7,491	577,118	\$0.01482	\$8,550	\$1,059	\$0.00184	14.1%
<b>Total Electric Generation</b>	<b>680,879</b>	<b>\$0.01724</b>	<b>\$11,741</b>	<b>680,879</b>	<b>\$0.01905</b>	<b>\$12,971</b>	<b>\$1,230</b>	<b>\$0.00181</b>	<b>10.5%</b>
<b>TOTAL NONCORE</b>	<b>719,622</b>	<b>\$0.01892</b>	<b>\$13,617</b>	<b>719,622</b>	<b>\$0.02074</b>	<b>\$14,922</b>	<b>\$1,305</b>	<b>\$0.00181</b>	<b>9.6%</b>
<b>SYSTEM TOTAL</b>	<b>1,230,486</b>	<b>\$0.25704</b>	<b>\$316,282</b>	<b>1,230,486</b>	<b>\$0.25996</b>	<b>\$319,881</b>	<b>\$3,599</b>	<b>\$0.00292</b>	<b>1.1%</b>

- 1) These rates are for Natural Gas Transportation Service from "Citygate to Meter". The BTS rate is for service from Receipt Point to Citygate. BTS is a SoCalGas tariff and service is purchased from SoCalGas.
- 2) Average transmission level service rate is shown here, see Rate Table 6 for detail list of TLS rates.
- 3) All rates include Franchise Fees & Uncollectible charges

**TABLE 2**  
**Core Gas Transportation Rates**  
**San Diego Gas & Electric**

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-14 Volumes mtherms A	Average Rate \$/therm B	Jul-1-14 Revenues \$000's C	Volumes mtherms D	Average Rate \$/therm E	Revenues \$000's F	Revenues \$000's G	Rates \$/therm H	Rate change % I
1	<b>RESIDENTIAL RATES Schedule GR,GM</b>								
2	<b>Rates Excluding CSITMA &amp; CAT</b>								
3	Customer Charge \$/month	848,086	\$0.00	\$0	848,086	\$0.00	\$0	\$0	\$0.00
4									
5	Baseline \$/therm	217,220	\$0.75290	\$163,546	217,220	\$0.75752	\$164,548	\$1,002	\$0.00461 0.6%
6	Non-Baseline \$/therm	104,649	\$0.91838	\$96,108	104,649	\$0.92366	\$96,660	\$552	\$0.00528 0.6%
7	Average Rate \$/therm	321,869	\$0.80670	\$259,653	321,869	\$0.81154	\$261,208	\$1,555	\$0.00483 0.6%
8	NBL/BL Ratio								
9	Composite Rate \$/th								
10	NBL/Composite rate ratio		1.14			1.14			
11	NBL- BL rate difference \$/th								
12									
13	<b>Rates Including CSITMA, Excluding CAT</b>								
14	CSITMA Adder to Volumetric Rate	256,575	\$0.00771	\$1,977	256,575	\$0.00771	\$1,977	\$0	\$0.00000 0.0%
15	Baseline \$/therm		\$0.76061			\$0.76522		\$0.00461	0.6%
16	Non-Baseline \$/therm		\$0.92609			\$0.93137		\$0.00528	0.6%
17	Average NonCARE Rate \$/therm		\$0.81441			\$0.81924		\$0.00483	0.6%
18									
19	<b>Sub Meter Credit Schedule GS,GT</b>								
20	GS Unit Discount \$/day	6,004	(\$0.29392)	(\$644)	6,004	(\$0.29392)	(\$644)	\$0	\$0.00000 0.0%
21	GT Unit Discount \$/day	27,745	(\$0.36460)	(\$3,692)	27,745	(\$0.36460)	(\$3,692)	\$0	\$0.00000 0.0%
22									
23	<b>Schedule GL-1</b>								
24	LNG Facility Charge, domestic use \$/m	289	\$14.79	\$51	289	\$14.79	\$51	\$0.00000	0.0%
25	LNG Facility Charge, non-domestic \$/mth/mbtu		\$0.05480			\$0.05480		\$0.00000	0.0%
26	LNG Volumetric Surcharge \$/th	100	\$0.16571	\$16	100	\$0.16571	\$16	\$0.00000	0.0%
27				\$68			\$68		
28	<b>Volumetric Rates Including CSITMA &amp; CAT</b>								
29	CAT Adder to Volumetric Rate	247	\$0.00000	\$0	247	\$0.00000	\$0	\$0	\$0.00000
30	Baseline \$/therm		\$0.76061			\$0.76522		\$0.00461	0.6%
31	Non-Baseline \$/therm		\$0.92609			\$0.93137		\$0.00528	0.6%
32	Average Rate \$/therm		\$0.81441			\$0.81924		\$0.00483	0.6%
33									
34	<b>Other Adjustments :</b>								
35	Employee Discount			(\$412)		(\$412)	\$0		
36	SDFFD			\$1,173		\$1,180	\$7		
37									
38	Credit for CSITMA Exempt Cutomers:		(\$0.00771)			(\$0.00771)		\$0.00000	0.0%
39									
40									
41	<b>Total Residential</b>	<b>321,869</b>	<b>\$0.80195</b>	<b>\$258,123</b>	<b>321,869</b>	<b>\$0.80680</b>	<b>\$259,685</b>	<b>\$1,562</b>	<b>\$0.00485 0.6%</b>

See footnotes Table 1

**TABLE 3**  
**Natural Gas Transportation Rate Revenues**  
**San Diego Gas & Electric**

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Average	Revenues	Revenues	Revenues	Rates	Rate	
	Volumes	Rate	Revenues	Volumes	Rate	Revenues	Revenues	Rates	change	
	mtherms	\$/therm	\$000's	mtherms	\$/therm	\$000's	\$000's	\$/therm	%	
	A	B	C	D	E	F	G	H	I	
1	<b>Other Core Rates \$/therm</b>									
2	Schedule GPC - Procurement Price		\$0.39800		\$0.39800			\$0.00000	0.0%	
3										
4	<b>CORE COMMERCIAL &amp; INDUSTRIAL RATES Schedule GN-3</b>									
5	Customer Charge \$/month	29,865	\$10.00	\$3,584	29,865	\$10.00	\$3,584	\$0	\$0.00000	0.0%
6										
7	<b>Rates Excluding CSITMA &amp; CAT</b>									
8	Tier 1 = 0 to 1,000 therms/month	79,475	\$0.30847	\$24,515	79,475	\$0.31234	\$24,824	\$308	\$0.00388	1.3%
9	Tier 2 = 1,001 to 21,000 therms/month	82,322	\$0.14514	\$11,948	82,322	\$0.14901	\$12,267	\$319	\$0.00388	2.7%
10	Tier 3 = over 21,000 therms/month	15,781	\$0.09900	\$1,562	15,781	\$0.10287	\$1,623	\$61	\$0.00388	3.9%
11										
12	<b>Rates Including CSITMA, Excluding CAT</b>									
13	CSITMA Adder to Volumetric Rate	169,353	\$0.00771	\$1,305	169,353	\$0.00771	\$1,305	\$0	\$0.00000	0.0%
14	Tier 1 = 0 to 1,000 therms/month		\$0.31617			\$0.32005		\$0.00388	1.2%	
15	Tier 2 = 1,001 to 21,000 therms/month		\$0.15284			\$0.15672		\$0.00388	2.5%	
16	Tier 3 = over 21,000 therms/month		\$0.10670			\$0.11058		\$0.00388	3.6%	
17										
18	<b>Rates Including CSITMA &amp; CAT</b>									
19	CAT Adder to Volumetric Rate	23,606	\$0.00000	\$0	23,606	\$0.00000	\$0	\$0	\$0.00000	
20	Tier 1 = 0 to 1,000 therms/month		\$0.31617			\$0.32005		\$0.00388	1.2%	
21	Tier 2 = 1,001 to 21,000 therms/month		\$0.15284			\$0.15672		\$0.00388	2.5%	
22	Tier 3 = over 21,000 therms/month		\$0.10670			\$0.11058		\$0.00388	3.6%	
23										
24	<b>Other Adjustments :</b>									
25	Adjustment for SDFFD			\$241			\$245	\$4		
26	Credit for CSITMA Exempt Cutomers:		(\$0.00771)			(\$0.00771)		\$0.00000	0.0%	
27										
28	<b>Total Core C&amp;I</b>	<b>177,578</b>	<b>\$0.24302</b>	<b>\$43,155</b>	<b>177,578</b>	<b>\$0.24692</b>	<b>\$43,847</b>	<b>\$692</b>	<b>\$0.00390</b>	<b>1.6%</b>

1) CSITMA - Tariff rate includes CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA.  
CARE participants receive 20% CARE discount (Tariff rate less Credit for CSITMA Exempt Customers)\*20%

See footnotes Table 1

**TABLE 4**  
**Other Core Gas Transportation Rates**  
**San Diego Gas & Electric**  
v12/11/2014

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Average	Jul-1-14	Revenues	Rates	Rate		
	Volumes	Rate	Revenues	Volumes	Rate	Revenues	Revenues	change		
	mtherms	\$/therm	\$000's	mtherms	\$/therm	\$000's	\$000's	\$/therm	%	
	A	B	C	D	E	F	G	H	I	
1	<b>NATURAL GAS VEHICLE RATES G-NGV</b>									
2	Sempra-Wide NGV Rates									
3	Customer Charge									
4	P1 \$/month	24	\$13.00	\$4	24	\$13.00	\$4	\$0	\$0.00	0.0%
5	P2A \$/month	10	\$65.00	\$8	10	\$65.00	\$8	\$0	\$0.00	0.0%
6	<b>Uncompressed Rate Excl CSITMA &amp; CAT</b>									
7	Compressor Adder \$/therm Excludes CSITMA	209	\$1.05591	\$220	209	\$1.05591	\$220	\$0	\$0.00000	0.0%
8	Combined transport & compressor adder \$/th		\$1.14910			\$1.15256		\$0.00347	0.3%	
9	<b>Volumetric Rates Includes CSITMA, Excludes CAT</b>									
10	CSITMA Adder to Volumetric Rate	11,399	\$0.00771	\$88	11,399	\$0.00771	\$88	\$0	\$0.00000	0.0%
11	Uncompressed Rate \$/therm		\$0.10090			\$0.10436		\$0.00347	3.4%	
12	Combined transport & compressor adder \$/th		\$1.15681			\$1.16027		\$0.00346	0.3%	
13	<b>Volumetric Rates Includes CSITMA &amp; CAT</b>									
14	CAT Adder to Volumetric Rate		\$0.00000			\$0.00000		\$0	\$0.00347	3.4%
15	Uncompressed Rate \$/therm		\$0.10090			\$0.10436		\$0	\$0.00347	3.4%
16	Combined transport & compressor adder \$/th		\$1.15681			\$1.16027		\$0.00346	0.3%	
17	<b>Other Adjustments :</b>									
18	Adjustment for SDDFD			\$3		\$3	\$0			
19	Credit for CSITMA Exempt Cutomers \$/th		(\$0.00771)			(\$0.00771)		\$0.00000	0.0%	
20	<b>Total NGV</b>									
21		<b>11,417</b>	<b>\$0.12146</b>	<b>\$1,387</b>	<b>11,417</b>	<b>\$0.12493</b>	<b>\$1,426</b>	<b>\$40</b>	<b>\$0.00347</b>	<b>2.9%</b>
22	<b>RESIDENTIAL NATURAL GAS VEHICLES (optional rate)</b>									
23	Customer Charge									
24	Uncompressed Rate w/o CSITMA & CAT	848	\$5.00	\$51	848	\$5.00	\$51	\$0	\$0.00	0.0%
25		929	\$0.25455	\$237	929	\$0.25580	\$238	\$1	\$0.00125	0.5%
26		929	\$0.30931	\$287	929	\$0.31056	\$289	\$1	\$0.00125	0.4%
27	<b>Volumetric Rates Including CSITMA , Excluding CAT</b>									
28	CSITMA Adder to Volumetric Rate		\$0.00771			\$0.00771		\$0.00000	0.0%	
29	Uncompressed Rate \$/therm		\$0.26226			\$0.26351		\$0.00125	0.5%	
30	<b>Volumetric Rates Includes CSITMA &amp; CAT</b>									
31	CAT Adder to Volumetric Rate	0	\$0.00000	\$0	0	\$0.00000	\$0	\$0	\$0.00000	
32	Uncompressed Rate \$/therm		\$0.26226			\$0.26351		\$0	\$0.00125	0.5%
33	<b>Other Adjustments :</b>									
34	Adjustment for SDDFD			\$0		\$0	\$0			
35	Credit for CSITMA Exempt Cutomers \$/th		(\$0.00771)			(\$0.00771)		\$0.00000	0.0%	
36	<b>Total Res NGV</b>									
37		<b>929</b>	<b>\$0.30931</b>	<b>\$287</b>	<b>929</b>	<b>\$0.31056</b>	<b>\$289</b>	<b>\$1</b>	<b>\$0.00125</b>	<b>0.4%</b>

1) CSITMA - Tariff rate includes CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA.

**TABLE 5**  
**NonCore Gas Transportation Rates**  
**San Diego Gas & Electric**  
v12/11/2014

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-14 Volumes mtherms A	Average Rate \$/therm B	Jul-1-14 Revenues \$000's C	Volumes mtherms D	Average Rate \$/therm E	Revenues \$000's F	Revenues \$000's G	Rates \$/therm H	Rate change % I	
1	<b>NonCore Commercial &amp; Industrial Distribution Level</b>									
2	Customer Charges \$/month	54	\$350.00	\$228	54	\$350.00	\$228	\$0	\$0.00	0.0%
3										
4	<b>Volumetric Charges Incl CARB Fee, E</b>	25,161	\$0.04716	\$1,187	25,161	\$0.04914	\$1,236	\$50	\$0.00198	4.2%
5	CSITMA Adder to Volumetric Rate	21,818	\$0.00771	\$168	21,818	\$0.00771	\$168	\$0	\$0.00000	0.0%
6										
7	<b>Volumetric Charges Incl CARB Fee, Incl CSITMA</b>									
8	Volumetric Rates \$/therm		\$0.05487			\$0.05685		\$0.00198	3.6%	
9										
10	<b>Other Adjustments :</b>									
11	SDFFD									
12	Credit for CSITMA Exempt Cutomers \$/th		(\$0.00771)			(\$0.00771)		\$0.00000	0.0%	
13	Credit for CARB Fee Exempt Customers \$/th		(\$0.00118)			(\$0.00118)				
14	<b>NCCI-Distribution Total</b>	<b>25,161</b>	<b>\$0.06291</b>	<b>\$1,583</b>	<b>25,161</b>	<b>\$0.06488</b>	<b>\$1,633</b>	<b>\$50</b>	<b>\$0.00198</b>	<b>3.1%</b>
15										
16	<b>NCCI-Transmission Total (1)</b>	<b>13,582</b>	<b>\$0.02165</b>	<b>\$294</b>	<b>13,582</b>	<b>\$0.02349</b>	<b>\$319</b>	<b>\$25</b>	<b>\$0.00184</b>	<b>8.5%</b>
17										
18	<b>Total NonCore C&amp;I</b>	<b>38,743</b>	<b>\$0.04844</b>	<b>\$1,877</b>	<b>38,743</b>	<b>\$0.05037</b>	<b>\$1,951</b>	<b>\$75</b>	<b>\$0.00193</b>	<b>4.0%</b>
19										
20	<b>ELECTRIC GENERATION</b>									
21										
22	<b>Small EG Ditsribution Level Service (a Sempra-Wide rate) Excludes CARB Fee &amp; CSITMA</b>									
23	Customer Charge, \$/month	40	\$50.00	\$24	40	\$50.00	\$24	\$0	\$0.00	0.0%
24	Volumetric Rate \$/therm	16,347	\$0.08620	\$1,409	16,347	\$0.08736	\$1,428	\$19	\$0.00	1.4%
25										
26	<b>Large EG Ditsribution Level Service (a Sempra-Wide rate) Excludes CARB Fee, CSITMA</b>									
27	Customer Charge, \$/month		\$0.00			\$0.00		\$0.00		
28	Volumetric Rate (Incl ITCS) \$/th	87,414	\$0.03091	\$2,702	87,414	\$0.03265	\$2,854	\$152	\$0.00	5.6%
29										
30	EG Distribution excl CARB Fee, CSITMA	103,761	\$0.03985	\$4,135	103,761	\$0.04150	\$4,306	\$171	\$0.00	4.1%
31										
32	<b>Volumetric Rates Including CARB Fee, Excluding CSITMA:</b>									
33	Carb Fee Cost Adder - Small	14,770	\$0.00118	\$17	14,770	\$0.00118	\$17	\$0	\$0.00000	
34	CARB Fee Cost Adder - Large	81,853	\$0.00118	\$97	81,853	\$0.00118	\$97			
35	EG-Distribution Tier 1 Incl CARB fee, Excl CSITMA		\$0.08738			\$0.08854		\$0.00117	1.3%	
36	EG-Distribution Tier 2 Incl CARB Fee, Excl CSITMA		\$0.03209			\$0.03383		\$0.00174	5.4%	
37	Total - EG Distribution Level	103,761	\$0.04095	\$4,249	103,761	\$0.04260	\$4,420	\$171	\$0.00165	4.0%
38	Credit for CARB Fee Exempt Customers \$/th		(\$0.00118)			(\$0.00118)				
39										
40	EG Transmission Level Service Excl CA	471,084	\$0.01276	\$6,013	471,084	\$0.01460	\$6,877			
41	EG Transmission Level Service Incl CA	106,034	\$0.01394	\$1,479	106,034	\$0.01578	\$1,673	\$195	\$0.00	13.2%
42	EG Transmission Level Service - Avera	577,118	\$0.01298	\$7,491	577,118	\$0.01482	\$8,550			
43										
44	<b>TOTAL ELECTRIC GENERATION</b>	<b>680,879</b>	<b>\$0.01724</b>	<b>\$11,741</b>	<b>680,879</b>	<b>\$0.01905</b>	<b>\$12,971</b>	<b>\$1,230</b>	<b>\$0.00181</b>	<b>10.5%</b>

1) CSITMA - Tariff rate includes CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA. Schedule EG Tariff Rate excludes CSITMA, since EG customers are exempt.

2) EFMA - GTNC and EG Tariff rates includes EFMA. Those EG and GTNC customers that are exempt will receive EFMA credit.

See footnotes Table 1

**TABLE 6**  
**Transmission Level Service Gas Transportation Rates**  
**San Diego Gas & Electric**

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-14	Average	Jul-1-14	Average			Revenues	Rates	Rate	
	Volumes	Rate	Revenues	Volumes	Rate	Revenues	\$000's	\$/therm	change	
	mtherms	\$/therm	\$000's	mtherms	\$/therm	\$000's	\$000's	\$/therm	%	
	A	B	C	D	E	F	G	H	I	
1	<b>Transmission Level Service Rate Excluding CSITMA &amp; CARB Fee</b>									
2	Reservation Service Option (RS):									
3	Daily Reservation rate \$/th/day	\$0.00631		\$0.00744		\$0	\$0.00113	17.8%		
4	Usage Charge for RS \$/th	\$0.00433		\$0.00466		\$0	\$0.00033	7.6%		
5	Class Average Volumetric Rate (CA)									
6	Volumetric Rate \$/th	\$0.00850		\$0.01002		\$0	\$0.00152	17.8%		
7	Usage Charge for CA \$/th	\$0.00433		\$0.00466		\$0	\$0.00033	7.6%		
8	Class Average Volumetric Rate CA \$/th									
9		\$0.01283		\$0.01468		\$0	\$0.00184	14.4%		
10	115% CA (for NonBypass Volumetric NV) \$/th									
11		\$0.01476		\$0.01688		\$0	\$0.00212	14.4%		
12	135% CA (for Bypass Volumetric BV) \$/th									
13		\$0.01732		\$0.01981		\$0	\$0.00249	14.4%		
14	Average Transmission Level Service	590,700	\$0.01276	\$7,539	590,700	\$0.01460	\$8,623	\$1,084	\$0.00184	14.4%
15	<b>C&amp;I Rate Including CSITMA &amp; CARB Fee</b>									
16	CSITMA Adder to Usage Rate \$/th									
17		13,582	\$0.00771	\$105	13,582	\$0.00771	\$105	\$0	\$0.00000	0.0%
18	EFMA Cost Adder									
19		119,616	\$0.00118	\$141	119,616	\$0.00118	\$141	\$0	\$0.00000	0.0%
20	Reservation Service Option (RS):									
21	Daily Reservation rate \$/th/day	\$0.00631		\$0.00744		\$0	\$0.00113	17.8%		
22	Usage Charge for RS \$/th	\$0.01322		\$0.01355		\$0	\$0.00033	2.5%		
23	Class Average Volumetric Rate (CA)									
24	Volumetric Rate \$/th	\$0.00850		\$0.01002		\$0	\$0.00152	17.8%		
25	Usage Charge for CA \$/th	\$0.01322		\$0.01355		\$0	\$0.00033	2.5%		
26	Class Average Volumetric Rate CA \$/th									
27		\$0.02172		\$0.02356		\$0	\$0.00184	8.5%		
28	115% CA (for NonBypass Volumetric NV) \$/th									
29		\$0.02364		\$0.02576		\$0	\$0.00212	9.0%		
30	135% CA (for Bypass Volumetric BV) \$/th									
31		\$0.02621		\$0.02870		\$0	\$0.00249	9.5%		
32	<b>Other Adjustments:</b>									
33	Credit for CSITMA Exempt Cutomers \$/th		(\$0.00771)		(\$0.00771)		\$0.00000	0.0%		
34	CARB Fee Credit for Exempt Customers \$/th		(\$0.00118)		(\$0.00118)		\$0.00000	0.0%		
35	<b>EG Rate Including CARB Fee, excluding CSITMA:</b>									
36	CARB Fee Cost Adder									
37		\$0.00118		\$0.00118		\$0.00000				
38	Reservation Service Option (RS):									
39	Daily Reservation rate \$/th/day	\$0.00631		\$0.00744		\$0	\$0.00113	17.8%		
40	Usage Charge for RS \$/th	\$0.00551		\$0.00584		\$0	\$0.00033	5.9%		
41	Class Average Volumetric Rate (CA)									
42	Volumetric Rate \$/th	\$0.00850		\$0.01002		\$0	\$0.00152	17.8%		
43	Usage Charge for CA \$/th	\$0.00551		\$0.00584		\$0	\$0.00033	5.9%		
44	Class Average Volumetric Rate CA \$/th									
45		\$0.01401		\$0.01586		\$0	\$0.00184	13.2%		
46	115% CA (for NonBypass Volumetric NV) \$/th									
47		\$0.01594		\$0.01806		\$0	\$0.00212	13.3%		
48	135% CA (for Bypass Volumetric BV) \$/th									
49		\$0.01850		\$0.02099		\$0	\$0.00249	13.5%		
50	<b>Other Adjustments:</b>									
51	CARB Fee Credit for Exempt Customers \$/th									
52		(\$0.00118)		(\$0.00118)		\$0.00000		0.0%		
53	Average Transmission Level Service	590,700	\$0.01318	\$7,785	590,700	\$0.01501	\$8,869	\$1,084	\$0.00184	13.9%