

**SoCalGas  
2013 TCAP**

**2/22/2013 Update Filing**

**Workpapers to the Prepared Written Testimony of  
Gary Lenart  
Pipeline Safety Enhancement Plan**

# SoCalGas/SDG&E

## 2013 TCAP

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Southern California Gas Company  
San Diego Gas & Electric Company  
Calculation of EPAM Allocator  
For both Proposed and Base Case

1 EPAM Calculation

	Res	Core C&I	NR A/C	Gas Eng	NGV	NonCore C&I-D	EG-D	TLS	Total
5 <b>SoCalGas</b>	\$1,297,484	\$230,033	\$40	\$1,649	\$8,652	\$40,047	\$9,647	\$3,583	
6							\$2,074	\$4,210	
7								\$1,283	
8									
9 SoCalGas Total Base Margin	\$1,297,484	\$230,033	\$40	\$1,649	\$8,652	\$40,047	\$11,720	\$30,352	\$1,619,978
12 <b>SDG&amp;E</b>	\$197,798	\$31,989	\$0	\$0	\$789	\$1,649	\$601	\$124	
13								\$3,673	
14									
15 SDG&E Total Base Margin	\$197,798	\$31,989	\$0	\$0	\$789	\$1,649	\$601	\$3,797	\$236,625
16 Integrated SoCalGas/SDG&E BM	\$1,495,282	\$262,022	\$40	\$1,649	\$9,442	\$41,696	\$12,322	\$34,150	\$1,856,602
17									
18 <b>Percent EPAM</b>	<b>80.5%</b>	<b>14.1%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.5%</b>	<b>2.2%</b>	<b>0.7%</b>	<b>1.8%</b>	<b>100.0%</b>

Source

Proposed 2013TCAP SCG RD Model: Cost Alloc Tab  
Proposed 2013TCAP SCG RD Model: NCCI Detail A  
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Post SI/FAR EOR Allocation from this workpaper

Proposed 2013TCAP SDG&E RD Model: Cost Alloc  
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Notes:

Lines (6) through (10) represent post-System Integration/post-Firm Access Rights unbundling base margins from proposed 2013TCAP SCG Rate Design Mod

Lines (12) through (16) represent post-System Integration/post-Firm Access Rights unbundling base margins from proposed 2013TCAP SDG&E Rate Design Mod

Line (18) = Line (10) + Line (16)

SCG EOR-D Base Margin is added to SCG EG-D Base Margin and SCG EOR-T Base Margin is added to TLS Base Margin as EOR-D customers are proposed to pay the EG-D surcharge and EOR-T customers will pay the TLS surcharge  
Unbundled Storage base margin and base margin allocated to SDG&E as a wholesale customer to SCG are excluded from this calculation due to the integrated nature of the PSEP surcharge

20 Calculation of PostSI/FAR EOR Allocated Margin

21

	Total BM to EOR Pre SI & FAR	% D&T Split	Total BM to EOR PostSI/FAR at EPAM
22 amount to EOR-D	\$3,120	61.8%	\$2,074
23 amount to EOR-T	\$1,931	38.2%	\$1,283
	\$5,052	100.0%	\$3,357

Source

Proposed 2013TCAP SCG RD Model: CA Model Tab  
Proposed 2013TCAP SCG RD Model: CA Model Tab  
Proposed 2013TCAP SCG RD Model: Cost Alloc Tab

Southern California Gas Company  
 San Diego Gas & Electric Company  
 Calculation of Integrated SoCalGas and SDG&E AYTP and Customer Count  
 For both Proposed and Base Case

1 Integrated AYTP Calculation

2  
3  
4

A B C D = B + C

	SoCalGas (Mth)	SDG&E (Mth)	Integrated (Mth)
Res	2,483,053	307,841	2,790,894
Core C&I	1,013,177	182,595	1,195,772
NR A/C	575	0	575
Gas Eng	17,984	0	17,984
NGV	131,912	11,606	143,518
NonCore C&I D	870,957	33,562	904,519
EG D	399,549	97,473	497,021
TLS	3,760,713	583,417	4,344,130
Total	8,677,919	1,216,495	9,894,413

check 0 0

15  
16  
17 Integrated # of Customers Calculation

18  
19  
20

A B C D = B + C

	SoCalGas	SDG&E	Integrated
Res	5,548,854	850,344	6,399,199
Core C&I	210,450	30,423	240,873
NR A/C	9	0	9
Gas Eng	700	0	700
NGV	296	32	328
NonCore C&I D	647	54	701
EG D	171	46	217
TLS	109	29	138
Total	5,761,235	880,928	6,642,164

check 0 0

21  
22 Notes:

AYTP and # of customers figures in column B from proposed TCAP SoCalGas Rate Design Model Alloc Factors, NCCI Detail Alloc, and EG Detail Alloc Tab.

AYTP and # of customers figures in column C from proposed TCAP SDG&E Rate Design Model Alloc Factors, NCCI Detail Alloc, and EG Detail Alloc Tab:

SCG EOR-D AYTP/# Cust is added to SCG EG-D AYTP/# Cust and SCG EOR-T AYTP/# Cust is added to TLS AYTP/# Cust as EOR-D customers are proposed to pay the EG-D surcharge and EOR-T customers will pay the TLS surcharge

SDG&E AYTP and customer count as a wholesale customer to SCG are excluded from this calculation due to the integrated nature of the PSEP surcharge

**Southern California Gas Company  
San Diego Gas & Electric Company  
2012 Class Average Rates**

Sources:

Current SCG RD Model: Rate Tables Tab  
Current SDG&E RD Model: Rate Tables Tab

Base Rates	SCG	SDGE
Res	\$0.54427	\$0.59205
CCI	\$0.29905	\$0.19144
Gas A/C	\$0.06682	-
Gas En	\$0.08848	-
NGV	\$0.06886	\$0.06597
NCCI-D	\$0.06810	\$0.12163
EG-D	\$0.02955	\$0.02908
TLS	\$0.01728	\$0.01720
Res Bill	\$38.82	\$35.70
Res Bill - No G-CP	\$22.40	\$21.44
Res PPS	\$0.08231	\$0.07985
CCI PPS	\$0.06983	\$0.11770
NGV PPS	\$0.03104	\$0.03781
NCCI PPS	\$0.03520	\$0.11118

Southern California Gas Company  
San Diego Gas & Electric Company  
Calculation of PSEP Surcharges and PPPS Rates  
Proposed Case

Step 1 of 4: Allocation of Rev Req to Classes - \$ millions

		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Source
1													
2	SoCalGas Rev Req												Proposed Case Rev Req Workp
3	less FF&U												Proposed Case Rev Req Workp
4	SoCalGas (w/o FF&U)	\$0.00	\$161.56	\$179.21	\$242.51	\$229.89	\$261.70	\$291.41	\$320.23	\$344.41	\$369.42	\$389.81	
5													
6	SDG&E Rev Req												Proposed Case Rev Req Workp
7	less FF&U												Proposed Case Rev Req Workp
8	SDG&E (w/o FF&U)	\$0.00	\$6.31	\$23.98	\$30.03	\$43.14	\$62.97	\$81.79	\$114.17	\$98.05	\$96.53	\$93.86	
9	Total PSEP Revenue Requirement (w/o FF&U)	\$0.00	\$167.87	\$203.18	\$272.54	\$273.04	\$324.67	\$373.20	\$434.40	\$442.46	\$465.95	\$483.67	
10													
11		<u>EPAM</u>											
12	Res	80.5%	\$0.00	\$135.20	\$163.64	\$219.50	\$219.90	\$261.49	\$300.57	\$349.86	\$375.27	\$389.54	Allocator Tables
13	CCI	14.1%	\$0.00	\$23.69	\$28.68	\$38.46	\$38.53	\$45.82	\$52.67	\$61.31	\$62.44	\$65.76	Allocator Tables
14	Gas A/C (SoCal Only)	0.0%	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	Allocator Tables
15	Gas Engine (SoCal Only)	0.1%	\$0.00	\$0.15	\$0.18	\$0.24	\$0.24	\$0.29	\$0.33	\$0.39	\$0.39	\$0.41	Allocator Tables
16	NGV	0.5%	\$0.00	\$0.85	\$1.03	\$1.39	\$1.39	\$1.65	\$1.90	\$2.21	\$2.25	\$2.37	Allocator Tables
17	NCCI - D	2.2%	\$0.00	\$3.77	\$4.56	\$6.12	\$6.13	\$7.29	\$8.38	\$9.76	\$9.94	\$10.46	Allocator Tables
18	EG - D	0.7%	\$0.00	\$1.11	\$1.35	\$1.81	\$1.81	\$2.15	\$2.48	\$2.88	\$2.94	\$3.09	Allocator Tables
19	TLS	1.8%	\$0.00	\$3.09	\$3.74	\$5.01	\$5.02	\$5.97	\$6.86	\$7.99	\$8.14	\$8.57	Allocator Tables
20	Total Allocated PSEP Costs		\$0.00	\$167.87	\$203.18	\$272.54	\$273.04	\$324.67	\$373.20	\$434.40	\$442.46	\$465.95	\$483.67
21													
22	check		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Notes:

Lines (2), (3), (6), and (7) from Proposed Case workpapers to testimony of Ms. Shepard  
Rev Req for 2011, 2012, and 2013 are consolidated into 2013 for purposes of calculating 2013 rates  
Line (9) = Line (4) + Line (8)  
EPAM Allocation Percentages from Calculation of EPAM Allocator Workpaper  
Lines (12) through (19) = Line (9) \* allocated EPAM percentage

Southern California Gas Company  
San Diego Gas & Electric Company  
Calculation of PSEP Surcharges and PPPS Rates  
Proposed Case

Step 2 of 4: Calculation of Residential Monthly PSEP Surcharges

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
1													
2	Residential PSEP Revenue Requirement (w/o FF&U) - \$ millions	\$0.00	\$135.20	\$163.64	\$219.50	\$219.90	\$261.49	\$300.57	\$349.86	\$356.35	\$375.27	\$389.54	
3	Integrated Residential Customer Count	6,399,199	6,399,199	6,399,199	6,399,199	6,399,199	6,399,199	6,399,199	6,399,199	6,399,199	6,399,199	6,399,199	Allocator Tables
4	PSEP Surcharge (w/o FF&U) - \$/mo	\$0.00	\$1.76	\$2.13	\$2.86	\$2.86	\$3.41	\$3.91	\$4.56	\$4.64	\$4.89	\$5.07	
5													
6	SCG FF&U Rate	101.73%	101.73%	101.73%	101.73%	101.73%	101.73%	101.73%	101.73%	101.73%	101.73%	101.73%	SCG RD Model Misc Inputs
7	<b>SCG PSEP Surcharge (w/FF&amp;U) - \$/mo</b>	<b>\$0.00</b>	<b>\$1.79</b>	<b>\$2.17</b>	<b>\$2.91</b>	<b>\$2.91</b>	<b>\$3.46</b>	<b>\$3.98</b>	<b>\$4.63</b>	<b>\$4.72</b>	<b>\$4.97</b>	<b>\$5.16</b>	
8													
9	SDG&E FF&U Rate	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%	SDG&E RD Model Misc Inputs
10	SDG&E PSEP Surcharge w/ FF&U and FFD	\$0.00	\$1.80	\$2.18	\$2.92	\$2.93	\$3.48	\$4.00	\$4.66	\$4.75	\$5.00	\$5.19	
11	SDG&E FFD Adjustment	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%	0.45%	SDG&E RD Model SDDFD Tab
12	<b>SDG&amp;E PSEP Surcharge (w/FF&amp;U) - \$/mo</b>	<b>\$0.00</b>	<b>\$1.79</b>	<b>\$2.17</b>	<b>\$2.91</b>	<b>\$2.92</b>	<b>\$3.47</b>	<b>\$3.99</b>	<b>\$4.64</b>	<b>\$4.73</b>	<b>\$4.98</b>	<b>\$5.17</b>	
13													
14													

Notes:

- Line (2) from Step 1 of Proposed Case: Allocation of Rev Req to Classes
- Line (4) = Line (2) \* 1,000,000 / Line (3) / 12
- Line (7) = Line (4) \* Line (6)
- Line 12 = Line (4) \* Line (9) \* (1 - Line (11))

Southern California Gas Company  
San Diego Gas & Electric Company  
Calculation of PSEP Surcharges and PPPS Rates  
Proposed Case

Step 3 of 4: Calculation of Non-Residential Volumetric PSEP Surcharges - \$/th

		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
1														
2	<b>PSEP Rates (w/o FF&amp;U)</b>	<u>AYTP (Mth)</u>												
3	CCI	1,195,772	\$0.000	\$0.020	\$0.024	\$0.032	\$0.032	\$0.038	\$0.044	\$0.051	\$0.052	\$0.055	\$0.057	Allocator Tables
4	Gas A/C	575	\$0.000	\$0.006	\$0.008	\$0.010	\$0.010	\$0.012	\$0.014	\$0.016	\$0.017	\$0.017	\$0.018	Allocator Tables
5	Gas Engine	17,984	\$0.000	\$0.008	\$0.010	\$0.013	\$0.013	\$0.016	\$0.018	\$0.021	\$0.022	\$0.023	\$0.024	Allocator Tables
6	NGV	143,518	\$0.000	\$0.006	\$0.007	\$0.010	\$0.010	\$0.012	\$0.013	\$0.015	\$0.016	\$0.017	\$0.017	Allocator Tables
7	NCCI - D	904,519	\$0.000	\$0.004	\$0.005	\$0.007	\$0.007	\$0.008	\$0.009	\$0.011	\$0.011	\$0.012	\$0.012	Allocator Tables
8	ED - D	497,021	\$0.000	\$0.002	\$0.003	\$0.004	\$0.004	\$0.004	\$0.005	\$0.006	\$0.006	\$0.006	\$0.006	Allocator Tables
9	TLS	4,344,130	\$0.000	\$0.001	\$0.001	\$0.001	\$0.001	\$0.001	\$0.002	\$0.002	\$0.002	\$0.002	\$0.002	Allocator Tables
10														
11	<b>SCG Rates (w/ FF&amp;U)</b>	<u>FF&amp;U</u>												
12	CCI	101.73%	\$0.000	\$0.020	\$0.024	\$0.033	\$0.033	\$0.039	\$0.045	\$0.052	\$0.053	\$0.056	\$0.058	
13	Gas A/C	101.73%	\$0.000	\$0.006	\$0.008	\$0.010	\$0.010	\$0.012	\$0.014	\$0.017	\$0.017	\$0.018	\$0.018	
14	Gas Engine	101.73%	\$0.000	\$0.008	\$0.010	\$0.014	\$0.014	\$0.016	\$0.019	\$0.022	\$0.022	\$0.023	\$0.024	
15	NGV	101.73%	\$0.000	\$0.006	\$0.007	\$0.010	\$0.010	\$0.012	\$0.013	\$0.016	\$0.016	\$0.017	\$0.017	
16	NCCI - D	101.73%	\$0.000	\$0.004	\$0.005	\$0.007	\$0.007	\$0.008	\$0.009	\$0.011	\$0.011	\$0.012	\$0.012	
17	ED - D	101.73%	\$0.000	\$0.002	\$0.003	\$0.004	\$0.004	\$0.004	\$0.005	\$0.006	\$0.006	\$0.006	\$0.007	
18	TLS (Non-Wholesale)	101.73%	\$0.000	\$0.001	\$0.001	\$0.001	\$0.001	\$0.001	\$0.002	\$0.002	\$0.002	\$0.002	\$0.002	
19	TLS (Wholesale)	101.48%	\$0.000	\$0.001	\$0.001	\$0.001	\$0.001	\$0.001	\$0.002	\$0.002	\$0.002	\$0.002	\$0.002	SCG RD Model Misc Inputs
20														
21	<b>SDG&amp;E Rates (W/ FF&amp;U and FFD)</b>	<u>FF&amp;U</u>												
22	CCI	102.31%	\$0.000	\$0.020	\$0.025	\$0.033	\$0.033	\$0.039	\$0.045	\$0.052	\$0.053	\$0.056	\$0.058	
23	NGV	102.31%	\$0.000	\$0.006	\$0.007	\$0.010	\$0.010	\$0.012	\$0.014	\$0.016	\$0.016	\$0.017	\$0.018	
24	NCCI - D	102.31%	\$0.000	\$0.004	\$0.005	\$0.007	\$0.007	\$0.008	\$0.009	\$0.011	\$0.011	\$0.012	\$0.012	
25	ED - D	102.31%	\$0.000	\$0.002	\$0.003	\$0.004	\$0.004	\$0.004	\$0.005	\$0.006	\$0.006	\$0.006	\$0.007	
26	TLS	102.31%	\$0.000	\$0.001	\$0.001	\$0.001	\$0.001	\$0.001	\$0.002	\$0.002	\$0.002	\$0.002	\$0.002	
27														
28	<b>SDG&amp;E Rates (W/ FF&amp;U)</b>	<u>FFD Adjustment</u>												
29	CCI	0.56%	\$0.000	\$0.020	\$0.024	\$0.033	\$0.033	\$0.039	\$0.045	\$0.052	\$0.053	\$0.056	\$0.058	SDG&E RD Model SDDFFD Tab
30	NGV	0.20%	\$0.000	\$0.006	\$0.007	\$0.010	\$0.010	\$0.012	\$0.014	\$0.016	\$0.016	\$0.017	\$0.017	SDG&E RD Model SDDFFD Tab
31	NCCI - D	0.00%	\$0.000	\$0.004	\$0.005	\$0.007	\$0.007	\$0.008	\$0.009	\$0.011	\$0.011	\$0.012	\$0.012	
32	ED - D	0.00%	\$0.000	\$0.002	\$0.003	\$0.004	\$0.004	\$0.004	\$0.005	\$0.006	\$0.006	\$0.006	\$0.007	
33	TLS	0.00%	\$0.000	\$0.001	\$0.001	\$0.001	\$0.001	\$0.001	\$0.002	\$0.002	\$0.002	\$0.002	\$0.002	

Notes:  
Lines (3) through (9) = Allocated Rev Req from Step 1 of Proposed Case \* 1000 / AYTP  
Lines (12) through (19) = Lines (3) through (9) \* corresponding FF&U  
Lines (29) through (33) = Lines (3) through (9) (Excluding Lines (4) and (5)) \* corresponding FF&U \* (1 - corresponding FFD Adjustment)

Southern California Gas Company  
San Diego Gas & Electric Company  
Calculation of PSEP Surcharges and PPPS Rates  
Proposed Case

Step 4 of 4: Calculation of Illustrative PPPS Rates

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
<b>SCG CARE Rates</b>												
SCG PSEP Surcharge	\$0.00	\$1.79	\$2.17	\$2.91	\$2.91	\$3.46	\$3.98	\$4.63	\$4.72	\$4.97	\$5.16	
less 20%	\$0.00	(\$0.36)	(\$0.43)	(\$0.58)	(\$0.58)	(\$0.69)	(\$0.80)	(\$0.93)	(\$0.94)	(\$0.99)	(\$1.03)	
<b>SCG CARE PSEP Surcharge - \$/mo</b>	<b>\$0.00</b>	<b>\$1.43</b>	<b>\$1.73</b>	<b>\$2.33</b>	<b>\$2.33</b>	<b>\$2.77</b>	<b>\$3.19</b>	<b>\$3.71</b>	<b>\$3.78</b>	<b>\$3.98</b>	<b>\$4.13</b>	
SCG CARE Customers	1,708,706	1,708,706	1,708,706	1,708,706	1,708,706	1,708,706	1,708,706	1,708,706	1,708,706	1,708,706	1,708,706	2011 Avg SCG CARE Custome
SCG CARE Discount Dollars (\$ millions)	\$0.00	\$7.34	\$8.89	\$11.92	\$11.95	\$14.21	\$16.33	\$19.01	\$19.36	\$20.39	\$21.16	
<b>SDG&amp;E CARE Rates</b>												
Residential	\$0.08231	\$0.08405	\$0.08441	\$0.08513	\$0.08514	\$0.08567	\$0.08617	\$0.08681	\$0.08689	\$0.08713	\$0.08732	Model Input
Core Commercial/Industrial	\$0.06983	\$0.07157	\$0.07193	\$0.07265	\$0.07266	\$0.07319	\$0.07369	\$0.07433	\$0.07441	\$0.07465	\$0.07484	Model Input
NGV	\$0.03104	\$0.03278	\$0.03314	\$0.03386	\$0.03386	\$0.03440	\$0.03490	\$0.03554	\$0.03562	\$0.03586	\$0.03605	Model Input
Noncore C/I	\$0.03520	\$0.03694	\$0.03730	\$0.03802	\$0.03802	\$0.03856	\$0.03906	\$0.03970	\$0.03978	\$0.04002	\$0.04021	Model Input
<b>SDG&amp;E CARE PSEP Surcharge - \$/mo</b>	<b>\$0.00</b>	<b>\$1.43</b>	<b>\$1.74</b>	<b>\$2.33</b>	<b>\$2.33</b>	<b>\$2.77</b>	<b>\$3.19</b>	<b>\$3.71</b>	<b>\$3.78</b>	<b>\$3.98</b>	<b>\$4.13</b>	
SDG&E CARE Customers	203,547	203,547	203,547	203,547	203,547	203,547	203,547	203,547	203,547	203,547	203,547	2011 Avg SDG&E CARE Custome
SDG&E CARE Discount Dollars (\$ millions)	\$0.00	\$0.88	\$1.06	\$1.42	\$1.42	\$1.69	\$1.95	\$2.27	\$2.31	\$2.43	\$2.52	
<b>SDG&amp;E PPPS Rates - \$/th</b>												
Residential	\$0.07985	\$0.08174	\$0.08214	\$0.08292	\$0.08293	\$0.08351	\$0.08405	\$0.08474	\$0.08483	\$0.08510	\$0.08530	Model Input
Core Commercial/Industrial	\$0.11770	\$0.11959	\$0.11999	\$0.12077	\$0.12078	\$0.12136	\$0.12190	\$0.12259	\$0.12268	\$0.12295	\$0.12315	Model Input
NGV	\$0.03781	\$0.03970	\$0.04010	\$0.04088	\$0.04088	\$0.04146	\$0.04201	\$0.04270	\$0.04279	\$0.04305	\$0.04325	Model Input
Noncore C/I	\$0.11118	\$0.11307	\$0.11346	\$0.11425	\$0.11425	\$0.11483	\$0.11538	\$0.11607	\$0.11616	\$0.11642	\$0.11662	Model Input

Notes:  
Lines (4) and (19) from Step 2 of Proposed Case: Calculation of Residential Monthly PSEP Surcharges  
Lines (7) and (22) = Avg 2011 SCG and SDG&E CARE participation  
Line (8) = Line (5) \* Line (7) \* 12 / 1,000,000  
Lines (12) through (15) the results of adding Line (8) to SCG PPPS Model  
Line (23) = Line (20) \* Line (22) \* 12 / 1,000,000  
Lines (26) through (29) the results of adding Line (23) to SDG&E PPPS Model

**Southern California Gas Company**  
**Calculation of Current Average Residential Bill**

	<b>Monthly Class Average</b>
<b>SoCalGas Residential:</b>	
1 Customer Charge \$/day =	\$0.16438
2 BL Rate \$/th =	\$0.33904
3 NBL Rate \$/th =	\$0.59904
4 G-CP \$/th =	\$0.43200
5 PPPS \$/th =	\$0.08231
6 G-SRF \$/th =	\$0.00068
7 Effective Average Rate \$/th	<u>\$1.02153</u>
8	
9 BL Usage limit th/day =	1.082
10 # days in month =	<u>30.42</u>
11 BL usage limit th/mo =	32.75
12	
13 Total th used th/mo =	38.00
14 BL therms =	32.75
15 NBL therms =	5.25
16	
17 Customer Charge \$/mo =	\$5.00
18 BL charges \$/mo =	\$11.10
19 NBL charge \$/mo =	\$3.14
20 Commodity Charge \$/mo =	\$16.42
21 PPPS charge \$/mo =	\$3.13
22 G-PUC Regulatory Fee \$/mo =	\$0.03
23 PSEP Surcharge \$/mo	\$0.00
24 Total Charge \$/mo =	<u><b>\$38.82</b></u>

*Notes:*

- 1) Transport rate as of 1/2012.
- 2) G-CP rate from gas price forecast testimony of Mr. Emmrich
- 3) PPPS rate from PPPS Workpaper
- 4) BL usage limits reflect Zone 1
- 5) G-SRF rate as of 1/2012
- 6) PSEP Surcharge from Surcharge Workpapers

**Southern California Gas Company**  
**Calculation of 2015 Average Residential Bill**

	<b>Monthly Class Average</b>
<b><u>SoCalGas Residential:</u></b>	
1 Customer Charge \$/day =	\$0.16438
2 BL Rate \$/th =	\$0.33904
3 NBL Rate \$/th =	\$0.59904
4 G-CP \$/th =	\$0.43200
5 PPS \$/th =	\$0.08513
6 G-SRF \$/th =	\$0.00068
7 Effective Average Rate \$/th	<u>\$1.01609</u>
8	
9 BL Usage limit th/day =	1.082
10 # days in month =	30.42
11 BL usage limit th/mo =	<u>32.75</u>
12	
13 Total th used th/mo =	38.00
14 BL therms =	32.75
15 NBL therms =	5.25
16	
17 Customer Charge \$/mo =	\$5.00
18 BL charges \$/mo =	\$11.10
19 NBL charge \$/mo =	\$3.14
20 Commodity Charge \$/mo =	\$16.42
21 PPS charge \$/mo =	\$3.24
22 G-PUC Regulatory Fee \$/mo =	\$0.03
23 PSEP Surcharge \$/mo	\$2.91
24 <b>Total Charge \$/mo =</b>	<b><u>\$41.83</u></b>

*Notes:*

- 1) Transport rate as of 1/2012.
- 2) G-CP rate from gas price forecast testimony of Mr. Emmrich
- 3) PPS rate from PPS Workpaper
- 4) BL usage limits reflect Zone 1
- 5) G-SRF rate as of 1/2012
- 6) PSEP Surcharge from Surcharge Workpapers

**San Diego Gas & Electric Company**  
**Calculation of 2015 Average Residential Bill**

	<b>Monthly Class Average</b>
<b><u>SDGEGas Residential - Current Rates:</u></b>	
1 Customer Charge \$/mo =	\$0.00000
2 BL Rate \$/th =	\$0.55599
3 NBL Rate \$/th =	\$0.70083
4 G-CPC \$/th =	\$0.43200
5 PPPS \$/th =	\$0.07985
6 G-SRF \$/th =	\$0.00068
7	
8 BL Usage limit th/day =	1.0195
9 # days in month =	30.42
10 BL usage limit th/mo =	<u>30.75</u>
11	
12 Total th used th/mo =	33.00
13 BL therms =	29.99
14 NBL therms =	3.01
15	
16 Customer Charge \$/mo =	\$0.00
17 BL charges \$/mo =	\$16.67
18 NBL charge \$/mo =	\$2.11
19 Commodity Charge \$/mo =	\$14.26
20 PPPS charge \$/mo =	\$2.64
21 G-PUC Regulatory Fee \$/mo =	\$0.02
22 PSEP Surcharge \$/mo =	\$0.00
23 <b>Total Charge \$/mo =</b>	<b><u>\$35.70</u></b>

*Notes:*

- 1) *Transport rate as of 1/2012.*
- 2) *G-CP rate from gas price forecast testimony of Mr. Emmrich*
- 3) *PPPS rate from PPPS Workpaper*
- 4) *BL usage limits reflect Zone 1*
- 5) *G-SRF rate as of 6/2009*
- 6) *PSEP Surcharge from Surcharge Workpapers*

**San Diego Gas & Electric Company**  
**Calculation of 2015 Average Residential Bill**

	<b>Monthly Class Average</b>
<b><u>SDGEGas Residential - Current Rates:</u></b>	
1 Customer Charge \$/mo =	\$0.00000
2 BL Rate \$/th =	\$0.55599
3 NBL Rate \$/th =	\$0.70083
4 G-CPC \$/th =	\$0.43200
5 PPPS \$/th =	\$0.08292
6 G-SRF \$/th =	\$0.00068
7	
8 BL Usage limit th/day =	1.0195
9 # days in month =	30.42
10 BL usage limit th/mo =	<u>30.75</u>
11	
12 Total th used th/mo =	33.00
13 BL therms =	29.99
14 NBL therms =	3.01
15	
16 Customer Charge \$/mo =	\$0.00
17 BL charges \$/mo =	\$16.67
18 NBL charge \$/mo =	\$2.11
19 Commodity Charge \$/mo =	\$14.26
20 PPPS charge \$/mo =	\$2.74
21 G-PUC Regulatory Fee \$/mo =	\$0.02
22 PSEP Surcharge \$/mo =	\$2.91
23 Total Charge \$/mo =	<b><u>\$38.71</u></b>

*Notes:*

- 1) Transport rate as of 1/2012.
- 2) G-CP rate from gas price forecast testimony of Mr. Emmrich
- 3) PPPS rate from PPPS Workpaper
- 4) BL usage limits reflect Zone 1
- 5) G-SRF rate as of 6/2009
- 6) PSEP Surcharge from Surcharge Workpapers