

Application of Southern California Gas Company
for authority to update its gas revenue requirement
and base rates effective on January 1, 2012.
(U904G)

Application No. 10-12-____
Exhibit No.: (SCG-40-WP)

WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF GARY LENART
ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

DECEMBER 2010



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TABLE SCG-1
Southern California Gas Company
SUMMARY OF ANNUAL TRANSPORTATION AND BUNDLED GAS REVENUES
GRC 2012 Rates

Class	Transportation Revenue			Adjustments		Bundled Revenue (gas cost Feb. 2010)			Volumes Mth/year	Present	Proposed	% change
	2010	2012	% change	Gas Costs	PPPS	2010	2012	% change		Rates (cents /therm)	Rates (cents/ therm)	
SCG:												
Res	\$1,263,906	\$1,482,279	17.3%	\$1,452,068	\$163,846	\$2,879,821	\$3,098,193	7.6%	2,483,989	115.935	124.727	7.6%
CC/I	\$297,023	\$348,719	17.4%	\$560,117	\$65,768	\$922,908	\$974,604	5.6%	970,519	95.094	100.421	5.6%
Other	\$11,430	\$13,348	16.8%	\$80,313	\$1,387	\$93,130	\$95,048	2.1%	136,521	68.216	69.621	2.1%
Total Core	\$1,572,360	\$1,844,346	17.3%	\$2,092,497	\$231,001	\$3,895,858	\$4,167,845	7.0%	3,591,030	108.489	116.063	7.0%
NCCI	\$77,124	\$91,962	19.2%		\$44,400	\$121,525	\$136,362	12.2%	1,440,163	8.438	9.469	12.2%
EG	\$66,574	\$80,069	20.3%			\$66,574	\$80,069	20.3%	2,826,964	2.355	2.832	20.3%
Whlsle	\$15,202	\$18,484	21.6%			\$15,202	\$18,484	21.6%	1,599,240	0.951	1.156	21.6%
Total Noncore	\$158,900	\$190,515	19.9%		\$44,400	\$203,301	\$234,915	15.6%	5,866,366	3.466	4.004	15.6%
Other	\$70,434	\$75,031				\$70,434	\$75,031					
SCG System Total*	\$1,801,694	\$2,109,892	17.1%	\$2,092,497	\$275,401	\$4,169,593	\$4,477,791	7.4%	9,457,396	44.088	47.347	7.4%

Notes:

Bundled Revenue = Transportation + PPP Surcharge + Current Commodity Price (Feb. 2010 G-CP)

*Includes FAR

Calculation of Procurement Revenue	Sales Mth/yr	FAR Amt.	Feb. 2010 gas cost \$000
Gas Cost \$/th			\$0.59331
SCG:			
Res	2,470,671	\$13,805	\$1,452,068
CC/I	953,031	\$5,326	\$560,117
Other	136,521	\$687	\$80,313
Total SCG \$000	3,560,223	\$19,818	\$2,092,497

Procurement Revenue =(Gas Cost (\$/th) * Sales Volumes (Mth/yr)) - FAR Amt.

PPPS Revenue	SCG
Residential	\$163,846
C&I	\$65,768
Gas A/C	\$83
Gas Engine	\$1,304
NGV	\$0
NCCI	\$44,400
Total	\$275,401

TABLE 1
Natural Gas Transportation Rate Revenues
Southern California Gas Company
GRC 2012 Rates

SCG 2012GRC Rates v11-2-2010

	Present Rates			Proposed Rates			Changes		
	2/1/2010 Volumes	2/1/2010 Rate	2/1/2010 Revenues	Proposed Volumes	Proposed Rate	Proposed Revenues	Revenue Change	Rate Change	% Rate change
	Mth A	\$/therm B	\$000's C	Mth D	\$/therm E	\$000's F	\$000's G	\$/therm H	% I
1 CORE									
2 Residential	2,483,989	\$0.50882	\$1,263,906	2,483,989	\$0.59673	\$1,482,279	\$218,373	\$0.08791	17.3%
3 Commercial & Industrial	970,519	\$0.30605	\$297,023	970,519	\$0.35931	\$348,719	\$51,696	\$0.05327	17.4%
4									
5 NGV - Pre SempraWide	117,231	\$0.07934	\$9,302	117,231	\$0.09386	\$11,003	\$1,702	\$0.01452	18.3%
6 SempraWide Adjustment	117,231	\$0.00323	\$379	117,231	\$0.00238	\$279	(\$100)	(\$0.00085)	-26.4%
7 NGV - Post SempraWide	117,231	\$0.08258	\$9,680	117,231	\$0.09624	\$11,282	\$1,602	\$0.01366	16.5%
8									
9 Gas A/C	1,210	\$0.07200	\$87	1,210	\$0.08522	\$103	\$16	\$0.01322	18.4%
10 Gas Engine	18,080	\$0.09197	\$1,663	18,080	\$0.10857	\$1,963	\$300	\$0.01660	18.1%
11 Total Core	3,591,030	\$0.43786	\$1,572,360	3,591,030	\$0.51360	\$1,844,346	\$271,986	\$0.07574	17.3%
12									
13 NONCORE COMMERCIAL & INDUSTRIAL									
14 Distribution Level Service	982,465	\$0.06822	\$67,028	982,465	\$0.08118	\$79,755	\$12,726	\$0.01295	19.0%
15 Transmission Level Service (1)	457,697	\$0.02206	\$10,096	457,697	\$0.02667	\$12,207	\$2,111	\$0.00461	20.9%
16 Total Noncore C&I	1,440,163	\$0.05355	\$77,124	1,440,163	\$0.06386	\$91,962	\$14,837	\$0.01030	19.2%
17									
18 NONCORE ELECTRIC GENERATION									
19 Distribution Level Service									
20 Pre Sempra Wide	353,995	\$0.03329	\$11,785	353,995	\$0.04025	\$14,250	\$2,465	\$0.00696	20.9%
21 Sempra Wide Adjustment	353,995	\$0.00067	\$239	353,995	(\$0.00038)	(\$136)	(\$375)	(\$0.00106)	-157.1%
22 Post Sempra Wide	353,995	\$0.03396	\$12,023	353,995	\$0.03987	\$14,113	\$2,090	\$0.00591	17.4%
23 Transmission Level Service (1)	2,472,969	\$0.02206	\$54,551	2,472,969	\$0.02667	\$65,956	\$11,405	\$0.00461	20.9%
24 Total Electric Generation	2,826,964	\$0.02355	\$66,574	2,826,964	\$0.02832	\$80,069	\$13,495	\$0.00477	20.3%
25									
26 TOTAL RETAIL NONCORE	4,267,127	\$0.03368	\$143,698	4,267,127	\$0.04032	\$172,031	\$28,333	\$0.00664	19.7%
27									
28 WHOLESALE & INTERNATIONAL									
29 Wholesale Long Beach (1)	117,093	\$0.02206	\$2,583	117,093	\$0.02667	\$3,123	\$540	\$0.00461	20.9%
30 SDGE Wholesale	1,230,285	\$0.00574	\$7,063	1,230,285	\$0.00703	\$8,644	\$1,580	\$0.00128	22.4%
31 Wholesale SWG (1)	81,737	\$0.02206	\$1,803	81,737	\$0.02667	\$2,180	\$377	\$0.00461	20.9%
32 Wholesale Vernon (1)	116,135	\$0.02206	\$2,562	116,135	\$0.02667	\$3,097	\$536	\$0.00461	20.9%
33 International (1)	53,990	\$0.02206	\$1,191	53,990	\$0.02667	\$1,440	\$249	\$0.00461	20.9%
34 Total Wholesale & International	1,599,240	\$0.00951	\$15,202	1,599,240	\$0.01156	\$18,484	\$3,282	\$0.00205	21.6%
35									
36 TOTAL NONCORE	5,866,366	\$0.02709	\$158,900	5,866,366	\$0.03248	\$190,515	\$31,615	\$0.00539	19.9%
37 Unbundled Storage			\$25,615			\$30,215	\$4,600		
38									
39 Total (excluding FAR)	9,457,396	\$0.18577	\$1,756,875	9,457,396	\$0.21836	\$2,065,076	\$308,201	\$0.03259	17.5%
40									
41 FAR Amount (2)	2,866	\$0.04284	\$44,819	2,866	\$0.04284	\$44,816	(\$3)	(\$0.00000)	0.0%
42 SYSTEM TOTALw/SI,FAR,ILS,SW	9,457,396	\$0.19051	\$1,801,694	9,457,396	\$0.22309	\$2,109,892	\$308,198	\$0.03259	17.1%
43									
44 EOR Revenues	156,187	\$0.02822	\$4,408	156,187	\$0.03351	\$5,233			
45 Total Throughput w/EOR Mth/yr	9,613,583			9,613,583					

1) These proposed costs and rates for Transmission Level Service customers represents the average transmission rate.

See Table 5 for actual transmission level service rates.

2) FAR charge is a separate rate. Core pays through procurement rate, noncore as a separate charge.

See Table 5 for actual FAR charge.

Whole Sale & International (excl SDGE)	368,955	\$0.02206	\$8,139	368,955	\$0.02667	\$9,840	\$1,702	\$0.00461	20.9%
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TABLE SCG-3

**SoCalGas Core Cost Allocation
SCG 2012GRC Rates v11-2-2010**

COST COMPONENTS \$000's	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core
Base Margin Costs:						
Customer Related Costs	\$693,935	\$88,424	\$51	\$1,021	\$3,162	\$786,593
Medium Pressure Distribution Costs	\$522,667	\$111,099	\$7	\$334	\$553	\$634,660
High Pressure Distribution Costs	\$109,936	\$29,945	\$19	\$215	\$1,789	\$141,904
Backbone Transmission Costs	\$27,498	\$10,276	\$12	\$183	\$1,184	\$39,153
Local Transmission Costs	\$39,062	\$10,731	\$7	\$80	\$925	\$50,806
Storage - Seasonal	\$45,367	\$7,794	\$0	\$11	\$19	\$53,192
Storage - Load Balancing	\$2,816	\$1,100	\$1	\$20	\$133	\$4,072
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0
Non-DSM Marketing Related Costs	\$30,773	\$20,942	\$0	\$10	\$1,048	\$52,772
Uncollectibles	\$4,126	\$748	\$0	\$4	\$20	\$4,898
NGV compression adder	\$0	\$0	\$0	\$0	\$1,576	\$1,576
Total Margin Allocation pre-SI, pre-FAR Unbundle w/FFU	\$1,476,181	\$281,060	\$98	\$1,878	\$10,407	\$1,769,624
Less Backbone Transmission Costs	(\$27,498)	(\$10,276)	(\$12)	(\$183)	(\$1,184)	(\$39,153)
Less Local Transmission Costs	(\$39,062)	(\$10,731)	(\$7)	(\$80)	(\$925)	(\$50,806)
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$20,138	\$7,526	\$9	\$134	\$867	\$28,673
Plus Local Transmission Costs w/SI, FFU	\$48,787	\$13,403	\$9	\$100	\$1,156	\$63,454
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$1,478,545	\$280,981	\$96	\$1,849	\$10,321	\$1,771,792

Other Operating Costs and Revenues

n/a	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0
Co Use Transmission w/ FFU \$000	\$2,975	\$1,162	\$1	\$22	\$140	\$4,301
Company Use Gas: Other	\$565	\$221	\$0	\$4	\$27	\$816
Company Use Gas: Storage Load Balancing	\$479	\$187	\$0	\$3	\$23	\$692
n/a	\$0	\$0	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$6	\$2	\$0	\$0	\$0	\$9
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$21,772	\$8,507	\$11	\$158	\$1,028	\$31,475
n/a	\$0	\$0	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	\$71	\$28	\$0	\$1	\$3	\$103
Subtotal Other Operating Costs and Revenues	\$25,868	\$10,107	\$13	\$188	\$1,221	\$37,397

Transition Costs

n/a	\$0	\$0	\$0	\$0	\$0	\$0
MPO Transition Cost Adjustment	\$0	\$0	\$0	\$0	\$0	\$0
Pitco/Popco Transition Costs	\$0	\$0	\$0	\$0	\$0	\$0
total Transition Costs	\$0	\$0	\$0	\$0	\$0	\$0

Regulatory Accounts

Affiliate Transfer Fee Account (ATFA)	\$0	\$0	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$2,859	\$1,117	\$1	\$21	\$135	\$4,133
FERC Settlement Proceeds Memorandum Account (FSPMA)	(\$9)	(\$12)	\$0	\$0	\$0	(\$21)
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	\$0
Firm Access & Storage Rights Memorandum Account (FARSMA)	(\$867)	(\$339)	(\$0)	(\$6)	(\$41)	(\$1,253)
California Solar Initiative Balancing Account (CSIBA)	\$0	\$0	\$0	\$0	\$0	\$0
G-PAL Balancing Account (GPBA)	\$0	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	(\$15,021)	(\$5,869)	(\$7)	(\$109)	(\$709)	(\$21,715)
On-Bill Financing Balancing Account (OBFBA)	\$1,157	\$220	\$0	\$1	\$8	\$1,387
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$33	\$13	\$0	\$0	\$2	\$48
Distribution Integrity Management Program Balancing Account	(\$1,687)	(\$321)	(\$0)	(\$2)	(\$12)	(\$2,021)
Enhanced Oil Recovery Account (EORA) CORE	\$5,355	\$1,018	\$0	\$7	\$37	\$6,417
Enhanced Oil Recovery Account (EORA) NONCORE	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$152	\$59	\$0	\$1	\$7	\$219
Interim Call Center Memorandum Account (ICCMA)	\$0	\$0	\$0	\$0	\$0	\$0
Intervenor Award Memorandum Account (IAMA)	\$196	\$77	\$0	\$1	\$9	\$284
n/a	\$0	\$0	\$0	\$0	\$0	\$0
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	\$0	\$0	\$0

TABLE SCG-3

**SoCalGas Core Cost Allocation
SCG 2012GRC Rates v11-2-2010**

COST COMPONENTS \$000's	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core
n/a	\$0	\$0	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA)	\$0	\$0	\$0	\$0	\$0	\$0
Noncore Storage Memorandum Account (NSMA)	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Balancing Account (ITBA)	\$1,179	\$441	\$1	\$8	\$51	\$1,679
Otay Mesa System Reliability Memorandum Account (OMSRMA)	\$0	\$0	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$0	\$0	\$0	\$0	\$0	\$0
System Reliability Memorandum Account (SRMA)	\$0	\$0	\$0	\$0	\$0	\$0
Noncore Storage Balancing Account (NSBA)	(\$9,995)	(\$3,905)	(\$5)	(\$73)	(\$472)	(\$14,450)
Pension Balancing Account (PBA)	\$47,158	\$8,962	\$3	\$59	\$329	\$56,511
PBOP Balancing Account (PBOPBA)	(\$6,403)	(\$1,217)	(\$0)	(\$8)	(\$45)	(\$7,672)
Polychlorinated Biphenyls Expense Account (PCBEA)	\$329	\$129	\$0	\$2	\$16	\$476
Research Development and Demonstration Expense Account (RDDEA)	(\$76)	(\$14)	(\$0)	(\$0)	(\$1)	(\$91)
n/a	\$0	\$0	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	\$0	\$0	\$0	\$0	\$0	\$0
Self-Generation Program Memorandum Account (SGPMA)	\$2,138	\$835	\$1	\$16	\$101	\$3,091
Rewards & Penalties Balancing Account (RPBA)	\$5,788	\$1,100	\$0	\$7	\$40	\$6,936
Total Regulatory Accounts	\$32,288	\$2,294	(\$6)	(\$75)	(\$543)	\$33,957
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0	\$0
Core Averaging	(\$55,192)	\$55,192	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$1,481,510	\$348,573	\$103	\$1,962	\$10,998	\$1,843,146
EOR Revenue allocated to Other Classes \$000	(\$3,968)	(\$754)	(\$0)	(\$5)	(\$28)	(\$4,755)
EOR Costs allocated to Other Classes \$000	\$4,737	\$900	\$0	\$6	\$33	\$5,676
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	\$1,482,279	\$348,719	\$103	\$1,963	\$11,003	\$1,844,068
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	2,483,989	970,519	1,210	18,080	117,231	3,591,030
Average Rate w/oFAR \$/th	\$0.59673	\$0.35931	\$0.08522	\$0.10857	\$0.09386	\$0.51352
FFU Rate	101.76%	101.76%	101.76%	101.76%	101.76%	
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	2,483,989	970,519	1,210	18,080	117,231	3,591,030
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	\$1,482,279	\$348,719	\$103	\$1,963	\$11,003	\$1,844,068
SW NGV Adjustment					\$279	\$279
SW EG Adjustment						\$0
TLS Adjustment						
Amount allocated to TLS Class \$000						\$0
TLS revenue paid by class @ average TLS rate \$000						\$0
	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o FAR Rev \$000/yr	\$1,482,279	\$348,719	\$103	\$1,963	\$11,282	\$1,844,346
Rate Tables	\$1,482,279	\$348,719	\$103	\$1,963	\$11,282	\$1,844,346
difference	\$0	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr	2,483,989	970,519	1,210	18,080	117,231	3,591,030
Average Rate w/oFAR \$/th	\$0.59673	\$0.35931	\$0.08522	\$0.10857	\$0.09624	\$0.51360
Rate Tables	\$0.59673	\$0.35931	\$0.08522	\$0.10857	\$0.09624	\$0.51360
difference	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Effective Allocation %'s:						
Total Margin Allocation pre-SI, pre-FAR Unbundle w/FFU	73.3%	14.0%	0.0%	0.1%	0.5%	87.9%
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	74.4%	14.1%	0.0%	0.1%	0.5%	89.2%
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	71.9%	16.9%	0.0%	0.1%	0.5%	89.5%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o FAR Rev \$000/yr	71.8%	16.9%	0.0%	0.1%	0.5%	89.3%

TABLE SCG-4**SoCalGas Noncore Retail Cost Allocation
SCG 2012GRC Rates v11-2-2010**

COST COMPONENTS \$000's	Non Core				Total Retail Non Core
	C&I	EG Tier 1	EG Tier 2	EOR	
Base Margin Costs:					
Customer Related Costs	\$9,947	\$6,090	(\$22)	\$852	\$16,867
Medium Pressure Distribution Costs	\$24,071	\$1,405	\$1,039	\$41	\$26,557
High Pressure Distribution Costs	\$23,329	\$1,194	\$12,166	\$1,823	\$38,512
Backbone Transmission Costs	\$14,587	\$769	\$27,774	\$1,577	\$44,708
Local Transmission Costs	\$12,111	\$559	\$19,118	\$1,168	\$32,955
Storage - Seasonal	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$1,906	\$101	\$3,641	\$207	\$5,855
Storage - TBS	\$0	\$0	\$0	\$0	\$0
Non-DSM Marketing Related Costs	\$1,319	\$1,287	\$129	\$180	\$2,915
Uncollectibles	\$246	\$26	\$182	\$0	\$454
NGV compression adder	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-FAR Unbundle w/FFU	\$87,516	\$11,432	\$64,027	\$5,848	\$168,823
Less Backbone Transmission Costs	(\$14,587)	(\$769)	(\$27,774)	(\$1,577)	(\$44,708)
Less Local Transmission Costs	(\$12,111)	(\$559)	(\$19,118)	(\$1,168)	(\$32,955)
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$10,683	\$563	\$20,340	\$1,135	\$32,721
Plus Local Transmission Costs w/SI, FFU	\$15,125	\$698	\$23,877	\$1,434	\$41,134
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$86,627	\$11,365	\$61,352	\$5,671	\$165,015

Other Operating Costs and Revenues

n/a	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0
Co Use Transmission w/ FFU \$000	\$1,725	\$91	\$3,295	\$184	\$5,295
Company Use Gas: Other	\$327	\$17	\$625	\$35	\$1,005
Company Use Gas: Storage Load Balancing	\$278	\$15	\$530	\$30	\$852
n/a	\$0	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$3	\$0	\$6	\$0	\$10
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$3,074	\$163	\$5,872	\$328	\$9,436
n/a	\$0	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	\$41	\$2	\$79	\$0	\$122
Subtotal Other Operating Costs and Revenues	\$5,449	\$288	\$10,407	\$576	\$16,721

Transition Costs

n/a	\$0	\$0	\$0	\$0	\$0
MPO Transition Cost Adjustment	\$0	\$0	\$0	\$0	\$0
Pitco/Popco Transition Costs	\$0	\$0	\$0	\$0	\$0
total Transition Costs	\$0	\$0	\$0	\$0	\$0

Regulatory Accounts

Affiliate Transfer Fee Account (ATFA)	\$0	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$1,657	\$88	\$3,166	\$0	\$4,911
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0
Firm Access & Storage Rights Memorandum Account (FARSMA)	(\$503)	(\$27)	(\$960)	\$0	(\$1,489)
California Solar Initiative Balancing Account (CSIBA)	\$0	\$0	\$0	\$0	\$0
G-PAL Balancing Account (GPBA)	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$68	\$9	\$48	\$0	\$125
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$19	\$1	\$37	\$0	\$57
Distribution Integrity Management Program Balancing Account	(\$99)	(\$13)	(\$70)	\$0	(\$182)
Enhanced Oil Recovery Account (EORA) CORE	\$0	\$0	\$0	\$0	\$0
Enhanced Oil Recovery Account (EORA) NONCORE	\$320	\$42	\$226	\$0	\$588
Hazardous Substance Cost-Recovery Account (HSCRA)	\$88	\$5	\$168	\$0	\$260
Interim Call Center Memorandum Account (ICMA)	\$0	\$0	\$0	\$0	\$0

TABLE SCG-4

**SoCalGas Noncore Retail Cost Allocation
SCG 2012GRC Rates v11-2-2010**

COST COMPONENTS \$000's	Non Core				Total Retail
	C&I	EG Tier 1	EG Tier 2	EOR	Non Core
Intervenor Award Memorandum Account (IAMA)	\$114	\$6	\$218	\$0	\$337
n/a	\$0	\$0	\$0	\$0	\$0
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	(\$612)	(\$32)	(\$1,169)	\$0	(\$1,813)
n/a	\$0	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA)	(\$1,383)	(\$73)	(\$2,641)	\$0	(\$4,096)
Noncore Storage Memorandum Account (NSMA)	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Balancing Account (ITBA)	\$626	\$33	\$1,191	\$0	\$1,850
Otay Mesa System Reliability Memorandum Account (OMSRMA)	\$0	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$0	\$0	\$0	\$0	\$0
System Reliability Memorandum Account (SRMA)	\$0	\$0	\$0	\$0	\$0
Noncore Storage Balancing Account (NSBA)	(\$5,795)	(\$307)	(\$11,069)	\$0	(\$17,170)
Pension Balancing Account (PBA)	\$2,763	\$362	\$1,957	\$0	\$5,082
PBOP Balancing Account (PBOPBA)	(\$375)	(\$49)	(\$266)	\$0	(\$690)
Polychlorinated Biphenyls Expense Account (PCBEA)	\$191	\$10	\$365	\$0	\$566
Research Development and Demonstration Expense Account (RDDEA)	(\$4)	(\$1)	(\$3)	\$0	(\$8)
n/a	\$0	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	\$0	\$0	\$0	\$0	\$0
Self-Generation Program Memorandum Account (SGPMA)	\$1,240	\$66	\$2,368	\$0	\$3,673
Rewards & Penalties Balancing Account (RPBA)	\$339	\$44	\$240	\$0	\$624
Total Regulatory Accounts	(\$1,346)	\$164	(\$6,194)	\$0	(\$7,376)
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0
Core Averaging	\$0	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$90,729	\$11,818	\$65,565	\$6,248	\$174,359
EOR Revenue allocated to Other Classes \$000	(\$232)	(\$30)	(\$165)		(\$428)
EOR Costs allocated to Other Classes \$000	\$278	\$36	\$197	(\$6,248)	(\$5,737)
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	\$90,774	\$11,824	\$65,597	\$0	\$168,194
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	1,440,163	76,202	2,750,762		4,267,127
Average Rate w/oFAR \$/th	\$0.06303	\$0.15516	\$0.02385	\$0.00000	\$0.03942
FFU Rate	101.76%	101.76%	101.76%	100.00%	
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	1,440,163	76,202	2,750,762	156,187	4,423,313
Sempra Wide & TLS Adjustments::					
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	\$90,774		\$77,420		\$168,194
SW NGV Adjustment					\$0
SW EG Adjustment			(\$136)		(\$136)
TLS Adjustment					
Amount allocated to TLS Class \$000	(\$11,019)		(\$63,171)		(\$74,190)
TLS revenue paid by class @ average TLS rate \$000	\$12,207		\$65,956		\$78,163
	\$1,188		\$2,785		\$3,973
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o FAR Rev \$000/yr	\$91,962		\$80,069		\$172,031
Rate Tables	\$91,962		\$80,069		\$172,031
difference	\$0		\$0		\$0
AYTP Mth/yr	1,440,163		2,826,964		4,267,127
Average Rate w/oFAR \$/th	\$0.06386		\$0.02832		\$0.04032
Rate Tables	\$0.06386		\$0.02832		\$0.04032
difference	\$0.00000		\$0.00000		\$0.00000
Effective Allocation %'s:					
Total Margin Allocation pre-SI, pre-FAR Unbundle w/FFU	4.3%	0.6%	3.2%	0.3%	8.4%
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	4.4%	0.6%	3.1%	0.3%	8.3%
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	4.4%	0.6%	3.2%	0.0%	8.2%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o FAR Rev \$000/yr	4.5%	0.0%	3.9%	0.0%	8.3%

TABLE SCG-5**SoCalGas Wholesale Cost Allocation
SCG 2012GRC Rates v11-2-2010**

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale
Base Margin Costs:					
Customer Related Costs	\$148	\$141	\$285	\$131	\$706
Medium Pressure Distribution Costs	\$0	\$0	\$0	\$0	\$0
High Pressure Distribution Costs	\$0	\$0	\$0	\$0	\$0
Backbone Transmission Costs	\$1,248	\$12,962	\$846	\$1,173	\$16,229
Local Transmission Costs	\$1,282	\$13,326	\$918	\$914	\$16,441
Storage - Seasonal	\$0	\$7,257	\$0	\$0	\$7,257
Storage - Load Balancing	\$155	\$1,629	\$108	\$154	\$2,046
Storage - TBS	\$0	\$0	\$0	\$0	\$0
Non-DSM Marketing Related Costs	\$360	\$360	\$360	\$360	\$1,440
Uncollectibles	\$0	\$0	\$0	\$0	\$0
NGV compression adder	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-FAR Unbndle w/FFU	\$3,194	\$35,676	\$2,517	\$2,731	\$44,118
Less Backbone Transmission Costs	(\$1,248)	(\$12,962)	(\$846)	(\$1,173)	(\$16,229)
Less Local Transmission Costs	(\$1,282)	(\$13,326)	(\$918)	(\$914)	(\$16,441)
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$912	\$0	\$618	\$856	\$2,386
Plus Local Transmission Costs w/SI, FFU	\$1,597	\$0	\$1,143	\$1,139	\$3,879
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$3,172	\$9,387	\$2,514	\$2,639	\$17,713

Other Operating Costs and Revenues

n/a	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0
Co Use Transmission w/ FFU \$000	\$140	\$0	\$98	\$139	\$376
Company Use Gas: Other	\$27	\$279	\$19	\$26	\$350
Company Use Gas: Storage Load Balancing	\$23	\$237	\$16	\$22	\$298
n/a	\$0	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$0	\$3	\$0	\$0	\$4
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$249	\$2,619	\$174	\$247	\$3,289
n/a	\$0	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	\$3	\$35	\$2	\$3	\$44
Subtotal Other Operating Costs and Revenues	\$442	\$3,173	\$308	\$438	\$4,362

Transition Costs

n/a	\$0	\$0	\$0	\$0	\$0
MPO Transition Cost Adjustment	\$0	\$0	\$0	\$0	\$0
Pitco/Popco Transition Costs	\$0	\$0	\$0	\$0	\$0
total Transition Costs	\$0	\$0	\$0	\$0	\$0

Regulatory Accounts

Affiliate Transfer Fee Account (ATFA)	\$0	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$134	\$1,412	\$94	\$133	\$1,773
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0
Firm Access & Storage Rights Memorandum Account (FARSMA)	(\$41)	(\$428)	(\$28)	(\$40)	(\$538)
California Solar Initiative Balancing Account (CSIBA)	\$0	\$0	\$0	\$0	\$0
G-PAL Balancing Account (GPBA)	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$2	\$7	\$2	\$2	\$14
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$2	\$16	\$1	\$2	\$21
Distribution Integrity Management Program Balancing Account	(\$4)	(\$11)	(\$3)	(\$3)	(\$20)
Enhanced Oil Recovery Account (EORA) CORE	\$0	\$0	\$0	\$0	\$0
Enhanced Oil Recovery Account (EORA) NONCORE	\$12	\$35	\$9	\$10	\$65
Hazardous Substance Cost-Recovery Account (HSCRA)	\$7	\$75	\$5	\$7	\$94
Interim Call Center Memorandum Account (ICMA)	\$0	\$0	\$0	\$0	\$0

TABLE SCG-5

**SoCalGas Wholesale Cost Allocation
SCG 2012GRC Rates v11-2-2010**

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale
Intervenor Award Memorandum Account (IAMA)	\$9	\$97	\$6	\$9	\$122
n/a	\$0	\$0	\$0	\$0	\$0
Gain / Loss on Sale Memorandum Account (GLOSMMA)	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	(\$50)	(\$523)	(\$35)	(\$49)	(\$657)
n/a	\$0	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA)	(\$112)	(\$1,178)	(\$78)	(\$111)	(\$1,479)
Noncore Storage Momorandum Account (NSMA)	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Balancing Account (ITBA)	\$53	\$0	\$36	\$50	\$140
Otay Mesa System Reliability Memorandum Account (OMSRMA)	\$0	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$0	\$0	\$0	\$0	\$0
System Reliability Memorandum Account (SRMA)	\$0	\$0	\$0	\$0	\$0
Noncore Storage Balancing Account (NSBA)	(\$470)	(\$4,937)	(\$328)	(\$466)	(\$6,200)
Pension Balancing Account (PBA)	\$101	\$299	\$80	\$84	\$563
PBOP Balancing Account (PBOPBA)	(\$14)	(\$41)	(\$11)	(\$11)	(\$76)
Polychlorinated Biphenyls Expense Account (PCBEA)	\$15	\$163	\$11	\$15	\$204
Research Development and Demonstration Expense Account (RDDEA)	(\$0)	(\$0)	(\$0)	(\$0)	(\$1)
n/a	\$0	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	\$0	\$0	\$0	\$0	\$0
Self-Generation Program Memorandum Account (SGPMA)	\$101	\$1,056	\$70	\$100	\$1,326
Rewards & Penalties Balancing Account (RPBA)	\$12	\$37	\$10	\$10	\$69
Total Regulatory Accounts	(\$241)	(\$3,921)	(\$159)	(\$259)	(\$4,580)
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0
Core Averaging	\$0	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$3,373	\$8,639	\$2,664	\$2,818	\$17,495
EOR Revenue allocated to Other Classes \$000	(\$9)	(\$25)	(\$7)	(\$7)	(\$48)
EOR Costs allocated to Other Classes \$000	\$10	\$30	\$8	\$8	\$57
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	\$3,375	\$8,644	\$2,665	\$2,820	\$17,504
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	117,093	1,230,285	81,737	116,135	1,545,250
Average Rate w/oFAR \$/th	\$0.02882	\$0.00703	\$0.03261	\$0.02428	\$0.01133
FFU Rate	101.48%	101.48%	101.48%	101.48%	
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	117,093	1,230,285	81,737	116,135	1,545,250
Sempra Wide & TLS Adjustments::					
Transport Rev Req w/Sl, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	\$3,375	\$8,644	\$2,665	\$2,820	\$17,504
SW NGV Adjustment					\$0
SW EG Adjustment					\$0
TLS Adjustment					
Amount allocated to TLS Class \$000	(\$3,375)		(\$2,665)	(\$2,820)	(\$8,860)
TLS revenue paid by class @ average TLS rate \$000	\$3,123		\$2,180	\$3,097	\$8,400
	(\$252)	\$0	(\$485)	\$278	(\$460)
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS w/o FAR Rev \$000/yr	\$3,123	\$8,644	\$2,180	\$3,097	\$17,044
<i>Rate Tables difference</i>	\$3,123	\$8,644	\$2,180	\$3,097	\$17,044
<i>difference</i>	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr	117,093	1,230,285	81,737	116,135	1,545,250
Average Rate w/oFAR \$/th	\$0.02667	\$0.00703	\$0.02667	\$0.02667	\$0.01103
<i>Rate Tables difference</i>	\$0.02667	\$0.00703	\$0.02667	\$0.02667	
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
Effective Allocation %'s:					
Total Margin Allocation pre-SI, pre-FAR Unbundle w/FFU	0.2%	1.8%	0.1%	0.1%	2.2%
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	0.2%	0.5%	0.1%	0.1%	0.9%
Transport Rev Req w/Sl, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	0.2%	0.4%	0.1%	0.1%	0.8%
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS w/o FAR Rev \$000/yr	0.2%	0.4%	0.1%	0.1%	0.8%

TABLE SCG-6**SoCalGas Intn'l & Summary Allocation
SCG 2012GRC Rates v11-2-2010**

COST COMPONENTS \$000's	DGN	TBS	Total Non Core	Total System \$000
Base Margin Costs:				
Customer Related Costs	\$35	\$0	\$17,608	\$804,201
Medium Pressure Distribution Costs	\$0	\$0	\$26,557	\$661,216
High Pressure Distribution Costs	\$0	\$0	\$38,512	\$180,416
Backbone Transmission Costs	\$545	\$0	\$61,482	\$100,635
Local Transmission Costs	\$434	\$0	\$49,830	\$100,635
Storage - Seasonal	\$0	\$0	\$7,257	\$60,449
Storage - Load Balancing	\$71	\$0	\$7,972	\$12,044
Storage - TBS	\$0	\$30,215	\$30,215	\$30,215
Non-DSM Marketing Related Costs	\$180	\$0	\$4,534	\$57,306
Uncollectibles	\$0	\$0	\$454	\$5,352
NGV compression adder	\$0	\$0	\$0	\$1,576
Total Margin Allocation pre-SI, pre-FAR Unbndle w/FFU	\$1,265	\$30,215	\$244,422	\$2,014,046
Less Backbone Transmission Costs	(\$545)	\$0	(\$61,482)	(\$100,635)
Less Local Transmission Costs	(\$434)	\$0	(\$49,830)	(\$100,635)
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$398	\$0	\$35,505	\$64,178
Plus Local Transmission Costs w/SI, FFU	\$540	\$0	\$45,553	\$109,007
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$1,225	\$30,215	\$214,168	\$1,985,960

Other Operating Costs and Revenues

n/a	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0
Co Use Transmission w/ FFU \$000	\$64	\$0	\$5,735	\$10,037
Company Use Gas: Other	\$12	\$0	\$1,367	\$2,183
Company Use Gas: Storage Load Balancing	\$10	\$0	\$1,161	\$1,853
n/a	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$0	\$0	\$14	\$23
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$115	\$0	\$12,841	\$44,316
n/a	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	\$2	\$0	\$168	\$271
Subtotal Other Operating Costs and Revenues	\$204	\$0	\$21,286	\$58,683

Transition Costs

n/a	\$0	\$0	\$0	\$0
MPO Transition Cost Adjustment	\$0	\$0	\$0	\$0
Pitco/Popco Transition Costs	\$0	\$0	\$0	\$0
total Transition Costs	\$0	\$0	\$0	\$0

Regulatory Accounts

Affiliate Transfer Fee Account (ATFA)	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$62	\$0	\$6,746	\$10,879
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$0	\$0	\$0	(\$21)
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0
Firm Access & Storage Rights Memorandum Account (FARSMA)	(\$19)	\$0	(\$2,046)	(\$3,299)
California Solar Initiative Balancing Account (CSIBA)	\$0	\$0	\$0	\$0
G-PAL Balancing Account (GPBA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	(\$21,715)
On-Bill Financing Balancing Account (OBFBA)	\$1	\$0	\$140	\$1,526
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$1	\$0	\$78	\$126
Distribution Integrity Management Program Balancing Account	(\$1)	\$0	(\$203)	(\$2,225)
Enhanced Oil Recovery Account (EORA) CORE	\$0	\$0	\$0	\$6,417
Enhanced Oil Recovery Account (EORA) NONCORE	\$5	\$0	\$658	\$658
Hazardous Substance Cost-Recovery Account (HSCRA)	\$3	\$0	\$358	\$577
Interim Call Center Memorandum Account (ICMA)	\$0	\$0	\$0	\$0

TABLE SCG-6

**SoCalGas Intn'l & Summary Allocation
SCG 2012GRC Rates v11-2-2010**

COST COMPONENTS \$000's	DGN	TBS	Total Non Core	Total System \$000
Intervenor Award Memorandum Account (IAMA)	\$4	\$0	\$464	\$748
n/a	\$0	\$0	\$0	\$0
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	(\$23)	\$0	(\$2,493)	(\$2,493)
n/a	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA)	(\$52)	\$0	(\$5,627)	(\$5,627)
Noncore Storage Memorandum Account (NSMA)	\$0	\$0	\$0	\$0
Integrated Transmission Balancing Account (ITBA)	\$23	\$0	\$2,013	\$3,692
Otay Mesa System Reliability Memorandum Account (OMSRMA)	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$0	\$0	\$0	\$0
System Reliability Memorandum Account (SRMA)	\$0	\$0	\$0	\$0
Noncore Storage Balancing Account (NSBA)	(\$217)	\$0	(\$23,587)	(\$38,037)
Pension Balancing Account (PBA)	\$39	\$0	\$5,685	\$62,196
PBOP Balancing Account (PBOPBA)	(\$5)	\$0	(\$772)	(\$8,444)
Polychlorinated Biphenyls Expense Account (PCBEA)	\$7	\$0	\$777	\$1,253
Research Development and Demonstration Expense Account (RDDEA)	(\$0)	\$0	(\$9)	(\$100)
n/a	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	\$0	\$0	\$0	\$0
Self-Generation Program Memorandum Account (SGPMA)	\$46	\$0	\$5,046	\$8,137
Rewards & Penalties Balancing Account (RPBA)	\$5	\$0	\$698	\$7,634
Total Regulatory Accounts	(\$121)	\$0	(\$12,077)	\$21,880
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0
Core Averaging	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$1,308	\$30,215	\$223,377	\$2,066,523
EOR Revenue allocated to Other Classes \$000	(\$3)	\$0	(\$478)	(\$5,233)
EOR Costs allocated to Other Classes \$000	\$4	\$0	(\$5,676)	\$0
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	\$1,309	\$30,215	\$217,222	\$2,061,289
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	53,990	0	5,866,366	9,457,396
Average Rate w/oFAR \$/th	\$0.02424	\$0.00000	\$0.03703	\$0.21796
FFU Rate	101.48%			
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	53,990	0	6,022,553	9,613,583
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	\$1,309	\$30,215	\$217,222	\$2,061,289
SW NGV Adjustment			\$0	\$279
SW EG Adjustment			(\$136)	(\$136)
TLS Adjustment				
Amount allocated to TLS Class \$000	(\$1,309)		(\$84,359)	(\$84,359)
TLS revenue paid by class @ average TLS rate \$000	\$1,440		\$88,003	\$88,003
	\$131	\$0	\$3,644	\$3,644
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o FAR Rev \$000/yr	\$1,440	\$30,215	\$220,730	\$2,065,076
<i>Rate Tables</i>	\$1,440	\$30,215	\$220,730	\$2,065,076
<i>difference</i>	\$0	\$0	\$0	\$0
AYTP Mth/yr	53,990		5,866,366	9,457,396
Average Rate w/oFAR \$/th	\$0.02667		\$0.03763	\$0.21836
<i>Rate Tables</i>	\$0.02667			\$0.21836
<i>difference</i>	\$0.00000			\$0.00000
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-FAR Unbundle w/FFU	0.1%	1.5%	12.1%	100.0%
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	0.1%	1.5%	10.8%	100.0%
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	0.1%	1.5%	10.5%	100.0%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o FAR Rev \$000/yr	0.1%	1.5%	10.7%	100.0%

TABLE SCG-7

**SCG 2012GRC Rates v11-2-2010
MISCELLANEOUS INPUTS**

#1 Applicable Franchise Fee & Uncollectible Factors	Source	
Uncollectible Rate:		
System Avg Uncollectible rate	0.27800%	2012 GRC
Uncollectible Rate for non-exempt customers:		
Total System Scaled LRMC in 2008 GRC rates	\$1,420,384	9/1/2008 Rate Model
Wholesale Scaled LRMC in 2008 GRC rates	(\$2,303)	9/1/2008 Rate Model
DGN Scaled LRMC in 2008 GRC rates	(\$123)	9/1/2008 Rate Model
	<u>\$1,417,958</u>	
Uncollectible rate adjustment	<u>99.83%</u>	
Uncollectible Rate for non-exempt customers	0.27848%	
Franchise Fee Rate:		
Franchise Rate	1.45930%	2012 GRC
FF&U rates with Gross-up:		
Wholesale Franchise Factor	101.4809%	
Retail Franchise Fee & Uncollectible Factor FFU	101.7643%	

Example FFU Calculation:	W/S	Non W/S	System
Gross Revenue Billed	\$100.000	\$100.000	\$100.000
Uncollectible 0.27800%			\$0.274
Uncollectible non-exempt 0.27848%		\$0.274	
Franchise Rate 1.4593%	\$1.459	\$1.459	\$1.459
Net Revenue	<u>\$98.541</u>	<u>\$98.266</u>	<u>\$98.267</u>
if I want this net revenue	\$98.541	\$98.266	\$98.267
Net to Gross = Gross Revenue/Net revenue =	101.4809%	101.7643%	101.7638%
then I need to bill this amount	\$100.000	\$100.000	\$100.000
if I bill this amount	\$100.00	\$100.00	\$100.00
Gross-to-Net = Net Revenue/Gross Revenue =	98.5407%	98.2663%	98.2668%
then I will get this net revenue	\$98.541	\$98.266	\$98.267
if I bill this amount	\$100.00	\$100.00	\$100.00
1-(Net Revenue/Gross Revenue) =	<u>1.4593%</u>	<u>1.7337%</u>	<u>1.7332%</u>
then I will get this net revenue	\$98.541	\$98.266	\$98.267

TABLE SCG-8**Base Margin and Revenue Requirement
SCG 2012GRC Rates v11-2-2010**

Base Margin in Transportation rates	\$000's	
Authorized Base Margin (net of Misc revenue)	\$2,021,113	2012 General
Less Items Not in Transportation Rate:		
Brokerage Fee	(\$7,067)	Misc Inputs
Base Margin in Transportation Rates w/oSI; w/FFU \$000	\$2,014,046	
System Integration:		
Less Backbone Transmission Costs	(\$100,635)	Cost Alloc
Less Local Transmission Costs	(\$100,635)	Cost Alloc
Plus Backbone Transmission Costs w/SI	\$64,178	Cost Alloc
Plus Local Transmission Costs w/SI	\$109,007	Cost Alloc
Plus Unbundled FAR amount w/FFU	\$52,307	SI & FAR
System Integration	\$24,221	
less Unbundled FAR amount w/FFU	(\$52,307)	
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$1,985,960	
Other Operating Costs and Revenues	\$58,683	Cost Alloc
Transition Costs	\$0	Cost Alloc
Regulatory Accounts	\$21,880	Cost Alloc
Core Interstate Pipeline Demand Charges (IPDC)	\$0	Cost Alloc
Core Averaging	\$0	Cost Alloc
EOR Revenue allocated to Other Classes \$000	(\$5,233)	Cost Alloc
EOR Costs allocated to Other Classes \$000	\$0	Cost Alloc
Gas Engine Rate CAP adjustment adjustment \$000	\$0	Cost Alloc
Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, SW adj, TLS \$000/yr	\$2,061,290	
plus SW Adjustments	\$143	
plus change due to TLS (NCCI/EG/WS/DGN)	\$3,644	
Final Revenue Requirement in Rate Tables w/oFAR Revenue	\$2,065,077	
Est FAR Revenue- \$000	\$44,816	Cost Alloc
Final Revenue Requirement in Rate Tables w/FAR Revenue	\$2,109,893	

TABLE SCG-9**SoCalGas Residential Bill Impact
SCG 2012GRC Rates v11-2-2010****Notes:**

- 1) Transport rate as of 2/2010. Proposed GRC rate
- 2) G-CP rate is the Feb. 2010 G-CP
- 3) PPPS rate for non-care customer. Current rate in 2010.
- 4) BL usage limits reflect Zone 1
- 5) G-SRF rate as of 6/2009
- 6) Seasonal bill based on average rate for season * #therms.

	Monthly Average
SCG Residential - Current Rates:	
Customer Charge \$/day =	\$0.16438
BL Rate \$/th =	\$0.31040
NBL Rate \$/th =	\$0.55040
G-CP \$/th =	\$0.59331
PPPS \$/th =	\$0.07269
G-SRF \$/th =	<u>\$0.00068</u>
Effective Average Rate \$/th	\$1.14182
BL Usage limit th/day =	1.082
# days in month =	<u>30.42</u>
BL usage limit th/mo =	<u>32.75</u>
Total th used th/mo =	38.00
BL therms =	32.75
NBL therms =	5.25
Customer Charge \$/mo =	\$5.00
BL charges \$/mo =	\$10.17
NBL charge \$/mo =	\$2.89
Commodity Charge \$/mo =	\$22.55
PPPS charge \$/mo =	\$2.76
G-PUC Regulatory Fee \$/mo =	\$0.03
Total Charge \$/mo =	\$43.39

TABLE SCG-9

**SoCalGas Residential Bill Impact
SCG 2012GRC Rates v11-2-2010**

Notes:

- 1) Transport rate as of 2/2010. Proposed GRC rate
- 2) G-CP rate is the Feb. 2010 G-CP
- 3) PPPS rate for non-care customer. Current rate in 2010.
- 4) BL usage limits reflect Zone 1
- 5) G-SRF rate as of 6/2009
- 6) Seasonal bill based on average rate for season * #therms.

	Monthly Average
SCG Residential - Proposed Rates:	
Customer Charge \$/day =	\$0.16438
BL Rate \$/th =	\$0.39853
NBL Rate \$/th =	\$0.63853
G-CPC \$/th =	\$0.59331
PPPS \$/th =	\$0.07269
G-PUC Regulatory fee \$/th =	<u>\$0.00068</u>
Effective Average Rate \$/th	\$1.22995
BL Usage limit th/day =	1.082
# days in month =	<u>30.42</u>
BL usage limit th/mo =	32.75
Total th used th/mo =	38.00
BL therms =	32.75
NBL therms =	5.25
Customer Charge \$/mo =	\$5.00
BL charges \$/mo =	\$13.05
NBL charge \$/mo =	\$3.35
Commodity Charge \$/mo =	\$22.55
PPPS charge \$/mo =	\$2.76
G-PUC Regulatory Fee \$/mo =	\$0.03
Total Charge \$/mo =	<u>\$46.74</u>
Increase (decrease) from Current Rates \$/month	<u>\$3.35</u>
% Increase (decrease) from Current	<u>7.7%</u>