

SAN DIEGO GAS & ELECTRIC COMPANY
2013 TCAP

2/22/2013 Update Filing

**Workpapers to the Prepared Written Testimony of
Jason Bonnett**

SAN DIEGO GAS & ELECTRIC COMPANY
2013 TCAP

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Section 1
Rate Design Model

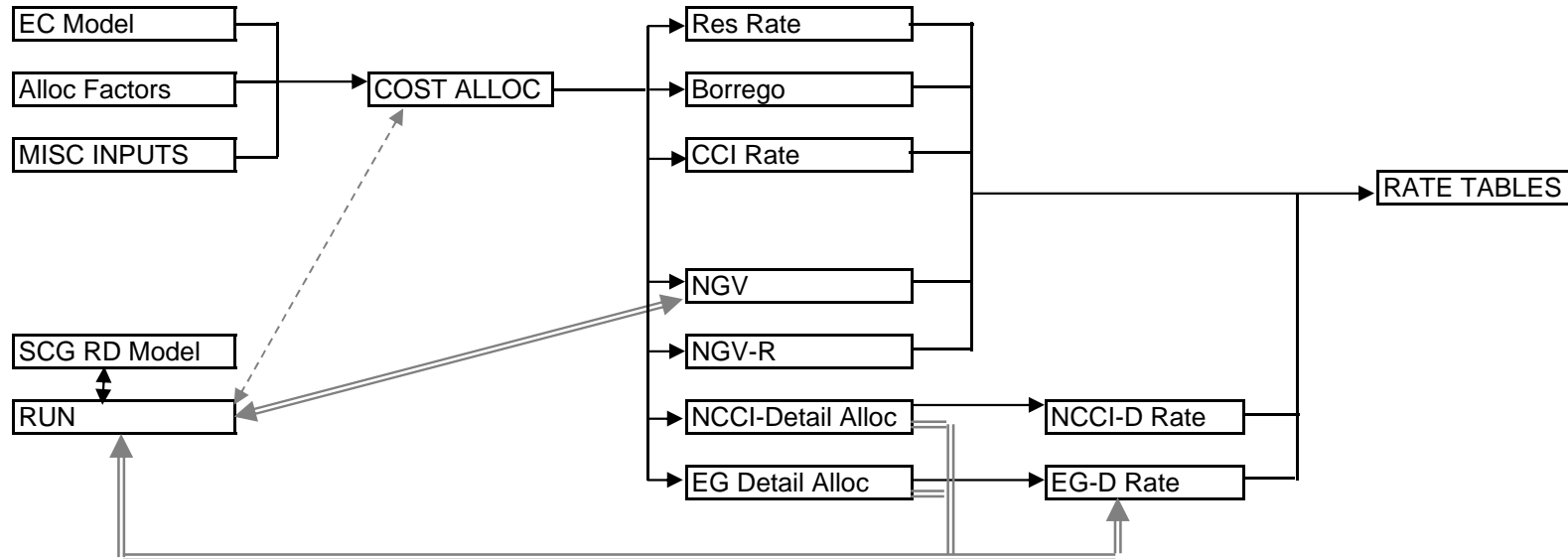
Workpapers to the Prepared Written Testimony of
Jason Bonnett

Gas Transportation Rates and Revenues
San Diego Gas & Electric
2013 TRIENNIAL COST ALLOCATION PROCEEDING

	Worksheet Tab	Purpose
1	Table of Contents	Table of Contents
2	Flowchart	Rate Design Model Flowchart
3	Rate Tables	Proposed rates & revenue compared to Current Rates & Revenue
4	Revenue Check	Verifies that revenue requirements are properly recovered in rates
5	Cost Alloc	Allocates costs to customer classes
6	Alloc Factors	Factors used to allocate costs to classes, primarily demand forecast
7	CA Model	Results of base margin cost allocation model
8	Misc Input	Miscellaneous inputs, such as cost of gas
9	Res rate	Calculation of Residential Rates
10	Borrego	Data used in calculation of Borrego Springs Surcharge Rate
11	CCI Rates	Calculation of Core C&I rates
12	NGV	Calculation of NGV rate
13	NGV-R Rate	Calculation of NGV Residential rate
14	NCCI-D Rates	Calculation of Noncore C&I rate for Distribution level service
15	EG-D Rates	Calculation of Electric Generation rate for Distribution level service
16	NCCI detail Alloc	Allocation of NCCI costs into Distribution and Transmission level service
17	EG Detail Alloc	Allocation of EG costs into Distribution and Transmission level service
18	SDFFD	Calculation of San Diego Franchise Fee Differential
19	Current Cost Alloc	Results of Current Cost Allocation
20	Reconcile	Reconciles revenue requirement and rates between Proposal and Current
21	Res Bill (Bill Leveling)	Compare residential bill between BL/NBL rates with/without customer charge
22	Res Bill	Compare residential bill under current rates and proposed rates
23	CCI Bill	Compare core commercial/industrial bill under current rates and proposed rates
24	RUN	Data that transfers between SCG and SDGE Rate Design Models

SDG&E - FLOWCHART of Rate Design model

2013TCAP SDGE RD Model - 2/22/2013 Update Filing



KEY:

- ==== Data exchanged with SCG for Sempra Wide NGV, EG-D and TLS rates.
- Data exchanged with SCG for System Integration and FAR revenue.

Tabs not shown in flowchart

- Table of Contents
- Flowchart
- Revenue Check
- SDFFD
- Current Cost Alloc
- Reconcile
- Reg Accts
- Res Bill

TABLE 1
Natural Gas Transportation Rate Revenues
San Diego Gas & Electric
2013 TCAP Application
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

	At Present Rates			At Proposed Rates			Changes		
	Jan-1-12	Average	Jan-1-12	Jan-1-13	Average	Jan-1-13	Revenues	Rates	Rate
	Volumes mtherms A	Rate \$/therm B	Revenues \$000's C	Volumes mtherms D	Rate \$/therm E	Revenues \$000's F	\$000's G	\$/therm H	change % I
CORE									
Residential	326,003	\$0.59205	\$193,011	307,841	\$0.67036	\$206,364	\$13,354	\$0.07831	13.2%
Commercial & Industrial	158,725	\$0.19144	\$30,387	182,595	\$0.19259	\$35,165	\$4,779	\$0.00114	0.6%
NGV - Pre SempraWide	15,238	\$0.02704	\$412	11,606	\$0.07821	\$908	\$496	\$0.05118	189.3%
SempraWide Adjustment	15,238	\$0.03893	\$593	11,606	(\$0.00545)	(\$63)	(\$656)	(\$0.04438)	-114.0%
NGV Post SempraWide	15,238	\$0.06597	\$1,005	11,606	\$0.07276	\$845	(\$161)	\$0.00680	10.3%
Total CORE	499,967	\$0.44883	\$224,402	502,042	\$0.48278	\$242,374	\$17,972	\$0.03394	7.6%
NONCORE COMMERCIAL & INDUSTRIAL									
Distribution Level Service	37,270	\$0.12163	\$4,533	33,562	\$0.17325	\$5,815	\$1,282	\$0.05163	42.4%
Transmission Level Service (2)	3,193	\$0.01869	\$60	15,070	\$0.01671	\$252	\$192	(\$0.00197)	-10.6%
Total Noncore C&I	40,463	\$0.11350	\$4,593	48,633	\$0.12474	\$6,067	\$1,474	\$0.01124	9.9%
NONCORE ELECTRIC GENERATION									
Distribution Level Service									
Pre Sempra Wide	179,522	\$0.02857	\$5,130	97,473	\$0.03150	\$3,071	(\$2,059)	\$0.00293	10.3%
Sempra Wide Adjustment	179,522	\$0.00050	\$90	97,473	\$0.00354	\$345	\$255	\$0.00304	603.5%
Distribution Level Post Ser	179,522	\$0.02908	\$5,220	97,473	\$0.03504	\$3,416	(\$1,804)	\$0.00597	20.5%
Transmission Level Service (2)	496,393	\$0.01719	\$8,532	568,347	\$0.01250	\$7,105	(\$1,427)	(\$0.00469)	-27.3%
Total Electric Generation	675,916	\$0.02035	\$13,752	665,820	\$0.01580	\$10,521	(\$3,232)	(\$0.00454)	-22.3%
TOTAL NONCORE	716,379	\$0.02561	\$18,345	714,453	\$0.02322	\$16,587	(\$1,758)	(\$0.00239)	-9.3%
SYSTEM TOTAL	1,216,345	\$0.19957	\$242,747	1,216,495	\$0.21288	\$258,961	\$16,214	\$0.01330	6.7%

1) These rates are for Natural Gas Transportation Service from "Citygate to Meter".

2) The BTS rate is for service from Receipt Point to Citygate and is purchased from SoCalGas. See SoCalGas' Table 8 for actual BTS rates.

3) These Transmission Level Service "TLS" amounts represents the average transmission rate. See Table 5 for detail list of TLS rates.

TABLE 2
Core Gas Transportation Rates
San Diego Gas & Electric
2013 TCAP Application
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

	At Present Rates			At Proposed Rates			Changes		
	Jan-1-12	Average	Jan-1-12	Jan-1-13	Average	Jan-1-13	Revenues	Rates	Rate
	Volumes mtherms A	Rate \$/therm B	Revenues \$000's C	Volumes mtherms D	Rate \$/therm E	Revenues \$000's F	\$000's G	\$/therm H	% I
1	RESIDENTIAL RATES Schedule GR,GM								
2	Basis for Rates (Excludes Rate Adders for CSITMA & CAT)								
3	Customer Charge \$/month	0	\$0.00	\$0	850,344	\$5.00	\$51,021	\$51,021	\$5.00
4									
5	Baseline \$/therm	220,010	\$0.55450	\$121,995	207,753	\$0.42891	\$89,107	(\$32,888)	(\$0.12559) -22.6%
6	Non-Baseline \$/therm	105,993	\$0.69934	\$74,125	100,088	\$0.68891	\$68,951	(\$5,173)	(\$0.01043) -1.5%
7	Average Rate \$/therm	326,003	\$0.60159	\$196,120	307,841	\$0.51344	\$209,079	\$12,959	(\$0.08815) -14.7%
8	NBL/BL Ratio								
9	Composite Rate \$/th					\$ 1.08562			
10	NBL/Composite rate ratio		1.14			1.09			
11	NBL- BL rate difference \$/th					0.26000			
12									
13	Rates for CSITMA Non-Exempt, NonCARE Customers (Rate Basis + CSITMA Adder)								
14	CSITMA Adder to Volumetric Rate	260,710	\$0.00150	\$390	242,547	\$0.00421	\$1,021	\$631	\$0.00271 181.2%
15	Baseline \$/therm		\$0.55599			\$0.43312		(\$0.12288)	-22.1%
16	Non-Baseline \$/therm		\$0.70083			\$0.69312		(\$0.00771)	-1.1%
17	Average NonCARE Rate \$/therm		\$0.60309			\$0.51765		(\$0.08543)	-14.2%
18									
19	Sub Meter Credit Schedule GS,GT								
20	GS Unit Discount \$/day	6,004	(\$0.25493)	(\$559)	6,004	(\$0.29392)	(\$644)	(\$85)	(\$0.03899) 15.3%
21	GT Unit Discount \$/day	27,745	(\$0.34064)	(\$3,450)	27,745	(\$0.36460)	(\$3,692)	(\$243)	(\$0.02396) 7.0%
22									
23	Schedule GL-1								
24	LNG Facility Charge, domestic use	321	\$14.79	\$57	289	\$14.79	\$51	\$0.00000	0.0%
25	LNG Facility Charge, non-domestic use \$/mth/ml		\$0.05480			\$0.05480		\$0.00000	0.0%
26	LNG Volumetric Surcharge \$/th	110	\$0.16571	\$18	100	\$0.16571	\$16	\$0.00000	0.0%
27				\$75			\$68		
28	Core Aggregation CAT Schedule GTC & GTCA (transprt only NonCARE rate + CAT Adder)								
29	CAT Adder to Volumetric Rate	247	\$0.00000	\$0	247	\$0.00000	\$0	\$0	\$0.00000
30	Baseline \$/therm		\$0.55599			\$0.43312		(\$0.12288)	-22.1%
31	Non-Baseline \$/therm		\$0.70083			\$0.69312		(\$0.00771)	-1.1%
32	Average Rate \$/therm		\$0.60309			\$0.51765		(\$0.08543)	-14.2%
33									
34	Other Adjustments :								
35	Employee Discount			(\$459)			(\$412)	\$47	
36	SDFFD			\$893			\$945	\$52	
37	Credit for CSITMA Exempt Cutomers:								
38	NonCARE \$/th		(\$0.00150)			(\$0.00421)		(\$0.00271)	181.2%
39									
40									
41	Total Residential	326,003	\$0.59205	\$193,011	307,841	\$0.67036	\$206,364	\$13,354	\$0.07831 13.2%

See footnotes Table 1

TABLE 3
Natural Gas Transportation Rate Revenues
San Diego Gas & Electric
2013 TCAP Application
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

	At Present Rates			At Proposed Rates			Changes			
	Jan-1-12	Average	Jan-1-12	Jan-1-13	Average	Jan-1-13	Revenues	Rates	Rate	
	Volumes mtherms A	Rate \$/therm B	Revenues \$000's C	Volumes mtherms D	Rate \$/therm E	Revenues \$000's F	\$000's G	\$/therm H	change % I	
1	Other Core Rates \$/therm									
2	Schedule GPC - Procurement Price		\$0.45283		\$0.43200			(\$0.02083)	-4.6%	
3										
4	CORE COMMERCIAL & INDUSTRIAL RATES Schedule GN-3									
5	Customer Charge \$/month	29,831	\$10.00	\$3,580	30,423	\$10.00	\$3,651	\$71	\$0.00000	0.0%
6										
7	Basis for Volumetric Rates (Excludes Rate Adders for CSITMA & CAT)									
8	Tier 1 = 0 to 1,000 therms/month	69,961	\$0.24322	\$17,016	81,720	\$0.24367	\$19,913	\$2,897	\$0.00045	0.2%
9	Tier 2 = 1,001 to 21,000 therms/m	74,938	\$0.11165	\$8,367	84,648	\$0.11178	\$9,462	\$1,095	\$0.00013	0.1%
10	Tier 3 = over 21,000 therms/month	13,826	\$0.07448	\$1,030	16,227	\$0.07452	\$1,209	\$179	\$0.00004	0.1%
11										
12	Volumetric Rates for CSITMA Non-Exempt, NonCARE Customers (Rate Basis + CSITMA Adder)									
13	CSITMA Adder to Volumetric Rate	150,500	\$0.00150	\$225	174,369	\$0.00421	\$734	\$509	\$0.00271	181.2%
14	Tier 1 = 0 to 1,000 therms/month		\$0.24472			\$0.24788		\$0.00316	1.3%	
15	Tier 2 = 1,001 to 21,000 therms/month		\$0.11314			\$0.11599		\$0.00285	2.5%	
16	Tier 3 = over 21,000 therms/month		\$0.07598			\$0.07873		\$0.00276	3.6%	
17										
18	Core Aggregation CAT Schedule GTC & GTCA (transprt only volumetric rate + CAT adder)									
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		\$0.24472			\$0.24788		\$0.00316	1.3%	
21	Tier 2 = 1,001 to 21,000 therms/month		\$0.11314			\$0.11599		\$0.00285	2.5%	
22	Tier 3 = over 21,000 therms/month		\$0.07598			\$0.07873		\$0.00276	3.6%	
23										
24	Other Adjustments :									
25	Adjustment for SDDFD			\$169		\$196	\$27			
26	Credit for CSITMA Exempt Cutomers:									
27	NonCARE \$/th		(\$0.00150)			(\$0.00421)		(\$0.00271)	181.2%	
28										
29										
30	Total Core C&I	158,725	\$0.19144	\$30,387	182,595	\$0.19259	\$35,165	\$4,779	\$0.00114	0.6%

See footnotes Table 1

TABLE 4
Other Core Gas Transportation Rates
San Diego Gas & Electric
2013 TCAP Application
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

	At Present Rates			At Proposed Rates			Changes		
	Jan-1-12	Average	Jan-1-12	Jan-1-13	Average	Jan-1-13	Revenues	Rates	Rate
	Volumes mtherms A	Rate \$/therm B	Revenues \$000's C	Volumes mtherms D	Rate \$/therm E	Revenues \$000's F	\$000's G	\$/therm H	change % I
1 NATURAL GAS VEHICLE RATES	<i>Sempra-Wide NGV Rates</i>			<i>Sempra-Wide NGV Rates</i>					
2 Customer Charge									
3 P1 \$/month	30	\$13.00	\$5	22	\$13.00	\$3	(\$1)	\$0.00	0.0%
4 P2A \$/month	10	\$65.00	\$8	10	\$65.00	\$8	\$0	\$0.00	0.0%
5									
6 Uncompressed Rate (excludes Rate	15,238	\$0.05630	\$858	11,606	\$0.05402	\$627	(\$231)	(\$0.00229)	-4.1%
7 Compressor Adder \$/therm	119	\$0.92324	\$110	163	\$0.95858	\$156	\$46	\$0.03534	3.8%
8									
9 Volumetric Rates for CSITMA Non-Exempt Customers (Rate Basis + CSITMA Adder)									
10 CSITMA Adder to Volumetric Rate	15,221	\$0.00150	\$23	11,589	\$0.00421	\$49	\$26	\$0.00271	181.2%
11 Uncompressed Rate \$/therm		\$0.05780			\$0.05823		\$0	\$0.00043	0.7%
12									
13 Volumetric Rates for CSITMA Non-Exempt CAT Customers (Rate Basis + CSITMA Adder)									
14 CAT Adder to Volumetric Rate		\$0.00000			\$0.00000				
15 Uncompressed Rate \$/therm		\$0.05780			\$0.05823		\$0	\$0.00043	0.7%
16									
17 Other Adjustments :									
18 Adjustment for SDFFD			\$2			\$2	(\$0)		
19 Credit for CSITMA Exempt Cutomers \$/th		(\$0.00150)			(\$0.00421)			(\$0.00271)	181.2%
20									
21 Total NGV	15,238	\$0.06597	\$1,005	11,606	\$0.07276	\$845	(\$161)	\$0.00680	10.3%
22									
23 RESIDENTIAL NATURAL GAS VEHICLES (optional rate)									
24 Customer Charge	832	\$5.00	\$50	850	\$5.00	\$51	\$1	\$0.00	0.0%
25 Uncompressed Rate (excludes Rate	521	\$0.23110	\$120	932	\$0.18535	\$173	\$52	(\$0.04574)	-19.8%
26	521	\$0.32693	\$170	932	\$0.24011	\$224	\$53	(\$0.08682)	-26.6%
27									
28 Volumetric Rates for CSITMA Non-Exempt Customers (Rate Basis + CSITMA Adder)									
29 CSITMA Adder to Volumetric Rate		\$0.00150			\$0.00421			\$0.00271	181.2%
30 Uncompressed Rate \$/therm		\$0.23260			\$0.18956			(\$0.04304)	-18.5%
31									
32 Core Aggregation Transport (CAT):									
33 CAT Adder to Volumetric Rate	0	\$0.00000	\$0	0	\$0.00000	\$0	\$0	\$0.00000	
34 Uncompressed Rate \$/therm		\$0.23260			\$0.18956		\$0	(\$0.04304)	-18.5%
35									
36 Other Adjustments :									
37 Adjustment for SDFFD	0		\$0			\$0	\$0		
38 Credit for CSITMA Exempt Cutomers \$/th		(\$0.00150)			(\$0.00421)			(\$0.00271)	181.2%
39									
40									
41 Total Res NGV	521	\$0.32693	\$170	932	\$0.24011	\$224	\$53	(\$0.08682)	-26.6%

See footnotes Table 1

TABLE 5
NonCore Gas Transportation Rates
San Diego Gas & Electric
2013 TCAP Application
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

	At Present Rates			At Proposed Rates			Changes			
	Jan-1-12	Average	Jan-1-12	Jan-1-13	Average	Jan-1-13	Revenues	Rates	Rate	
	Volumes mtherms A	Rate \$/therm B	Revenues \$000's C	Volumes mtherms D	Rate \$/therm E	Revenues \$000's F	\$000's G	\$/therm H	change % I	
1	NonCore Commercial & Industrial Distribution Level									
2	Customer Charges \$/month	60	\$350.00	\$252	54	\$350.00	\$227	(\$25)	\$0.00	0.0%
3										
4	Volumetric Charges\$/therm	37,270	\$0.11350	\$4,230	33,562	\$0.16270	\$5,461	\$1,231	\$0.04920	43.4%
5	CSITMA Adder to Volumetric Rate	33,927	\$0.00150	\$51	30,219	\$0.00421	\$127	\$76	\$0.00271	181.2%
6	Volumetric Rates for CSITMA Non-Exempt Cust.		\$0.11500			\$0.16692			\$0.05192	45.1%
7										
8	Other Adjustments :									
9	SDFFD									
10	Credit for CSITMA Exempt Cutomers \$/th		(\$0.00150)			(\$0.00421)			(\$0.00271)	181.2%
11										
12	NCCI-Distribution Total	37,270	\$0.12163	\$4,533	33,562	\$0.17325	\$5,815	\$1,282	\$0.05163	42.4%
13										
14	NCCI-Transmission Total (1)	3,193	\$0.01869	\$60	15,070	\$0.01671	\$252	\$192	(\$0.00197)	-10.6%
15										
16	Total NonCore C&I	40,463	\$0.11350	\$4,593	48,633	\$0.12474	\$6,067	\$1,474	\$0.01124	9.9%
17										
18	ELECTRIC GENERATION									
19										
20	EFBA Exempt Distribution Rates:									
21	Small EG Ditsribution Level Service:									
22	Customer Charge, \$/month	57	\$50.00	\$34	40	\$50.00	\$24	(\$10)	\$0.00	0.0%
23	Volumetric Rate (Incl ITCS) \$/therm	27,097	\$0.05501	\$1,491	18,823	\$0.06954	\$1,309	(\$182)	\$0.01	26.4%
24										
25	Large EG Ditsribution Level Service:									
26	Customer Charge, \$/month									
27	Volumetric Rate (Incl ITCS) \$/therm	152,425	\$0.02424	\$3,695	78,650	\$0.02648	\$2,083	(\$1,612)	\$0.00	9.3%
28										
29	EG Distribution EFBA Exempt Cust	179,522	\$0.02908	\$5,220	97,473	\$0.03504	\$3,416	(\$1,804)	\$0.01	20.5%
30										
31	EFBA Non-Exempt Rates:									
32	EFBA Cost Adder	172,384	\$0.00000	\$0	90,335	\$0.00000	\$0	\$0	\$0.00000	
33	EG-Distribution Tier 1 w/EFBA Adder		\$0.05501			\$0.06954			\$0.01452	26.4%
34	EG-Distribution Tier 2 w/EFBA Adder		\$0.02424			\$0.02648			\$0.00224	9.3%
35	Total - EG Distribution Level	179,522	\$0.02908	\$5,220	97,473	\$0.03504	\$3,416	(\$1,804)	\$0.00597	20.5%
36										
37	EG Transmission Level Service (1)	496,393	\$0.02	\$8,532	568,347	\$0.01250	\$7,105	(\$1,427)	(\$0.00)	-27.3%
38										
39	TOTAL ELECTRIC GENERATION	675,916	\$0.02035	\$13,752	665,820	\$0.01580	\$10,521	(\$3,232)	(\$0.00454)	-22.3%

See footnotes Table 1

TABLE 6
Transmission Level Service Gas Transportation Rates
San Diego Gas & Electric
2013 TCAP Application
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

	At Present Rates			At Proposed Rates			Changes			
	Jan-1-12	Average	Jan-1-12	Jan-1-13	Average	Jan-1-13	Revenues	Rates	Rate	
	Volumes mtherms A	Rate \$/therm B	Revenues \$000's C	Volumes mtherms D	Rate \$/therm E	Revenues \$000's F	\$000's G	\$/therm H	% I	
1	Transmission Level Service Rate (excludes CSITMA adder, for EFBA exempt customers):									
2	Reservation Service Option (RS):									
3		\$0.00849			\$0.00550		\$0	(\$0.00299)	-35.3%	
4		\$0.00484			\$0.00533		\$0	\$0.00049	10.2%	
5										
6	Class Average Volumetric Rate (CA)									
7		\$0.01225			\$0.00773		\$0	(\$0.00452)	-36.9%	
8		\$0.00503			\$0.00482		\$0	(\$0.00021)	-4.1%	
9	Class Average Volumetric Rate CA \$/th	\$0.01727			\$0.01255		\$0	(\$0.00472)	-27.4%	
10										
11	120% CA (for NonBypass Volumetric NV) \$/th	\$0.02073			\$0.01506		\$0	(\$0.00567)	-27.4%	
12	135% CA (for Bypass Volumetric BV) \$/th	\$0.02332			\$0.01694		\$0	(\$0.00638)	-27.4%	
13										
14	Average Transmission Level Service	499,587	\$0.01719	\$8,587	583,417	\$0.01250	\$7,293	(\$1,294)	(\$0.00469)	-27.3%
15										
16	Transmission Level Service Rate for CSITMA NonExempt Customers and for EFBA NonExempt Customers:									
17	Credit for CSITMA Exempt Cutomers	\$3,193	\$0.00150	\$5	15,070	\$0.00421	\$63	\$59	\$0.00271	181.2%
18	EFBA Cost Adders for Non-Exempt	28502.954	\$0.00000	\$0	112,334	\$0.00000	\$0		\$0.00000	
19	Reservation Service Option (RS):									
20		\$0.00849			\$0.00550		\$0	(\$0.00299)	-35.3%	
21		\$0.00633			\$0.00954		\$0	\$0.00321	50.6%	
22										
23	Class Average Volumetric Rate (CA)									
24		\$0.01225			\$0.00773		\$0	(\$0.00452)	-36.9%	
25		\$0.00652			\$0.00903		\$0	\$0.00251	38.4%	
26	Class Average Volumetric Rate CA \$/th	\$0.01877			\$0.01676		\$0	(\$0.00201)	-10.7%	
27										
28	120% CA (for NonBypass Volumetric NV) \$/th	\$0.02253			\$0.02011		\$0	(\$0.00241)	-10.7%	
29	135% CA (for Bypass Volumetric BV) \$/th	\$0.02534			\$0.02263		\$0	(\$0.00271)	-10.7%	
30										
31	Other Adjustments:									
32	Credit for CSITMA Exempt Cutomers \$/th		(\$0.00150)		(\$0.00421)			(\$0.00271)	181.2%	
33										
34	Average Transmission Level Serv	499,587	\$0.01720	\$8,592	583,417	\$0.01261	\$7,357	(\$1,235)	(\$0.00459)	-26.7%

See footnotes Table 1

Verify TLS Revenue:

NCCI-T	3,193	\$0.01869	\$60	15,070	\$0.01671	\$252	192	(\$0.00197)	(\$0)
EG-T	496,393	\$0.01719	\$8,532	568,347	\$0.01250	\$7,105	(1,427)	(\$0.00469)	(\$0)
	499,587	\$0.01720	\$8,592	583,417	\$0.01261	\$7,357	(1,235)	(\$0.00459)	(\$0)
difference	0	\$0.00000	\$0	0	\$0.00000	\$0	0	\$0.00000	

**Revenue Check of Base Margin, Revenue Requirement and Rates
2013TCAP SDGE RD Model - 2/22/2013 Update Filing**

Base Margin in Transportation rates

\$000's

Gas Summary of Earnings Revenue Requirements \$000			\$241,800	2008 GRC		
less Miscellaneous Revenues \$000			(\$6,675)	2008 GRC		
Authorized Base Margin in 2008GRC			\$235,125			
Brokerage Fee Revenues including FF&U			\$0	Misc Inputs		
2009 attrition w/FFU	\$8,000	102.310%	\$8,185	2008 GRC		
2010 attrition w/FFU	\$9,000	102.310%	\$9,208	2008 GRC		
2011 attrition w/FFU	\$9,000	102.310%	\$9,208	2008 GRC		
Base Margin in Transportation Rates w/oSI; w/FFU \$000			\$261,726		<i>Cost Alloc =</i>	\$261,726 \$0

Reconcile Base Margin with Revenue Requirement

Base Margin in 2007 Rates under 2009BCAP rules w/FFU			\$261,726			
System Integration:						
Less Backbone Transmission Costs			(\$31,473)	Cost Alloc		
Less Local Transmission Costs			\$0	Cost Alloc		
Plus Backbone Transmission Costs w/SI			\$0			
Plus Local Transmission Costs w/SI			\$6,372	Cost Alloc		
Plus Unbundled BBT amount w/FFU			\$18,126			
System Integration			(\$6,975)			
less Unbundled BBT amount w/FFU			(\$18,126)			
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU			\$236,625			
Other Operating Costs and Revenues			\$16,727	Cost Alloc		
Regulatory Accounts adjustment \$000			\$17,107	Cost Alloc		
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr			\$270,459		<i>cost allocation total =</i>	\$270,459 \$0
plus change due to TLS (NCCI/EG/WS/DGN)			(\$11,779)			
plus SW Adjustments			\$282			
Final Revenue Requirement in Rate Tables w/oFAR Revenue			\$258,961		<i>Rate Table Total =</i>	\$258,961 \$0

Summary of Rate Table 1, Revenues

	A (w/o FAR, RG,SW)	B=SW Adj	C=A+B (w/o FAR, RG)	D=RegGap	E=C+D (w/o FAR)	F=FAR	Total G=E+F
Core	\$242,437	(\$63)	\$242,374		\$242,374		\$242,374
NCCI-D	\$5,815		\$5,815		\$5,815		\$5,815
NCCI-T	\$574		\$574	(\$386)	\$188		\$188
	\$6,389	\$0	\$6,389	(\$386)	\$6,003		\$6,003
EG-D	\$3,071	\$345	\$3,416		\$3,416		\$3,416
EG-T	\$18,562		\$18,562	(\$11,394)	\$7,168		\$7,168
	\$21,633	\$345	\$21,978	(\$11,394)	\$10,584		\$10,584
Transport Rev Req \$000/yr	\$270,459	\$282	\$270,741	(\$11,779)	\$258,961	\$0	\$258,961
<i>Table 1 Total Revenue (Incl SI, FAR, TLS, SW Adj)</i>	<u>\$270,459</u>				<u>\$258,961</u>		<u>\$258,961</u>
	\$0				\$0		\$0

A = Transport Rev Req w/ FFU, SI; w/o FAR revenue, Reg GAP, SW
 B = Sempra Wide Adjustments
 C = Transport Rev Req w/ FFU, SI, SW; w/o FAR revenue, Reg GAP
 D = Regulatory Gap (revenue from SDGE's NCCI-T and EG-T customers)
 E = Transport Rev Req w/ FFU, SI, SW, Reg Gap; w/o FAR revenue
 F = Estimated FAR Charge paid by ALL SDGE's customers
 G = Total System Transportation Revenue per Table 1 includes SI, Reg Gap, SW, FAR revenue

Summary of Rate tables 2 thru 5

Table 2 - Core Res & Core C&I:				
Residential Service \$000	\$206,364			
Core C&I Service \$000	\$35,165			
Table 3 - other Core service:				
NGV \$000	\$845			
CORE	\$242,374			
Table 4 - NonCore Distribution Level:				
C&I \$000	\$5,815			
Sw-EG \$000	\$3,416			
NonCore Distribution	\$9,231			
Table 5 - Local Transmission Level				
System Total Rev Req w/SW adjustments \$000	\$258,961	Rev Req w/o FAR =	\$258,961	\$0
Est FAR Revenues to SDGE - \$000	\$0			
System Total Rev Req w/ SW adjustments \$000	\$258,961	Rev Req w/FAR =	\$258,961	\$0

SDG&E Cost Allocation

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MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	\$149,884	\$36	\$17,053	\$166,973
Medium Pressure Distribution Costs	\$40,928	\$471	\$12,532	\$53,931
High Pressure Distribution Costs	\$4,625	\$55	\$1,457	\$6,137
Backbone Transmission Costs	\$8,525	\$291	\$4,774	\$13,589
Local Transmission Costs	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
NGV	\$0	\$181	\$0	\$181
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$203,962	\$1,032	\$35,816	\$240,810
Less Backbone Transmission Costs	(\$8,525)	(\$291)	(\$4,774)	(\$13,589)
Less Local Transmission Costs	\$0	\$0	\$0	\$0
Plus Backbone Transmission Costs w/SI,FFU	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$2,361	\$48	\$947	\$3,356
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$197,798	\$789	\$31,989	\$230,577

Other Operating Costs and Revenues	Non-ECPT?	Add FFU Y or N?	Amount to Allocate (w/o F&U)				
SCG Transport excl Core Storage & Load Balance \$000		Y	\$2,796	\$724	\$27	\$429	\$1,180
SCG Core Seasonal Storage		Y	\$5,814	\$4,509	\$16	\$1,424	\$5,948
SCG Load Balancing Allocated to ALL SDGE \$000		Y	\$1,357	\$351	\$13	\$208	\$573
n/a							
LUAF		Y	\$6,279	\$2,324	\$88	\$1,379	\$3,790
Company Use Gas: Other		Y	\$103	\$27	\$1	\$16	\$44
AMI rev req incl FF&U AL 1693-G	Y	Y	\$0	\$0	\$0	\$0	\$0
n/a		Y	\$0	\$0	\$0	\$0	\$0
n/a		Y	\$0	\$0	\$0	\$0	\$0
n/a		Y	\$0	\$0	\$0	\$0	\$0
Core Averaging		N	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues			\$16,349	\$7,935	\$145	\$3,456	\$11,536

SDG&E Cost Allocation

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MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	\$451	\$341	\$92	\$433	\$883	\$167,857
Medium Pressure Distribution Costs	\$980	\$279	\$298	\$577	\$1,556	\$55,487
High Pressure Distribution Costs	\$151	\$84	\$356	\$440	\$592	\$6,728
Backbone Transmission Costs	\$1,217	\$1,004	\$15,662	\$16,667	\$17,884	\$31,473
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$181
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$2,799	\$1,708	\$16,408	\$18,116	\$20,915	\$261,726
Less Backbone Transmission Costs	(\$1,217)	(\$1,004)	(\$15,662)	(\$16,667)	(\$17,884)	(\$31,473)
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Plus Backbone Transmission Costs w/SI,FFU	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$191	\$105	\$2,720	\$2,825	\$3,016	\$6,372
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,773	\$808	\$3,466	\$4,275	\$6,048	\$236,625

Other Operating Costs and Revenues							F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storge & Load Balance \$000	\$114	\$94	\$1,471	\$1,566	\$1,680	\$2,860	\$65	\$2,796
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$5,948	\$134	\$5,814
SCG Load Balancing Allocated to ALL SDGE \$000	\$56	\$46	\$714	\$760	\$816	\$1,389	\$31	\$1,357
n/a								
LUAF	\$179	\$148	\$2,307	\$2,455	\$2,634	\$6,424	\$145	\$6,279
Company Use Gas: Other	\$4	\$3	\$54	\$58	\$62	\$106	\$2	\$103
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Averaging	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$353	\$292	\$4,546	\$4,838	\$5,191	\$16,727	\$378	\$16,349

SDG&E Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Allocation %					EG <3 mmth/yr	
			Total System	Res	NGV	Core C&I	Total Core		NCCI
Embedded Costs:									
Customer Related Costs	EC Model	0							
Medium Pressure Distribution Costs	EC Model	0							
High Pressure Distribution Costs	EC Model	0							
Backbone Transmission Costs	EC Model	0							
Local Transmission Costs	EC Model	0							
Storage - Borrego	EC Model	0							
Core Seasonal Storage	EC Model	0							
Storage - Load Balancing	EC Model	0							
NGV	EC Model	0							
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Less Backbone Transmission Costs									
Less Local Transmission Costs									
Plus Backbone Transmission Costs w/SI,FFU									
Plus Local Transmission Costs w/SI,FFU	SCG/ SI & FAR								
<hr/> Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU <hr/>									
Other Operating Costs and Revenues									
SCG Transport excl Core Storge & Load Balance \$000	SCG RD Model/RUN	ECPT	100.0%	25.3%	1.0%	15.0%	41.3%	4.0%	3.3%
SCG Core Seasonal Storage	SCG RD Model/RUN	% CYPD MP Res & CCI	100.0%	75.8%	0.3%	23.9%	100.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	SCG RD Model/RUN	ECPT	100.0%	25.3%	1.0%	15.0%	41.3%	4.0%	3.3%
n/a									
LUAF	Misc Inputs	Method #3 - 59% core @ ECPT / 41%	100.0%	36.2%	1.4%	21.5%	59.0%	2.8%	2.3%
Company Use Gas: Other	Misc Inputs	ECPT	100.0%	25.3%	1.0%	15.0%	41.3%	4.0%	3.3%
AMI rev req incl FF&U AL 1693-G	Misc Inputs, AL 1693-G	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
n/a			0.0%						
n/a			0.0%						
n/a			0.0%						
Core Averaging	Misc Input	Res & CCI	0.0%	100.0%	0.0%	-100.0%	0.0%	0.0%	0.0%
Subtotal Other Operating Costs and Revenues									

SDG&E Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
Embedded Costs:			
Customer Related Costs			
Medium Pressure Distribution Costs			
High Pressure Distribution Costs			
Backbone Transmission Costs			
Local Transmission Costs			
Storage - Borrego			
Core Seasonal Storage			
Storage - Load Balancing			
NGV			
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU			
Less Backbone Transmission Costs			
Less Local Transmission Costs			
Plus Backbone Transmission Costs w/SI,FFU			
Plus Local Transmission Costs w/SI,FFU			
<hr/> Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU <hr/>			
Other Operating Costs and Revenues			
SCG Transport excl Core Storage & Load Balance \$000	51.4%	0.0%	58.7%
SCG Core Seasonal Storage	0.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	51.4%	0.0%	58.7%
n/a			
LUAF	35.9%	38.2%	41.0%
Company Use Gas: Other	51.4%	0.0%	58.7%
AMI rev req incl FF&U AL 1693-G	1.5%	0.0%	2.6%
n/a			
n/a			
n/a			
Core Averaging	0.0%	0.0%	0.0%
<hr/> Subtotal Other Operating Costs and Revenues <hr/>			

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SDG&E Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core
Regulatory Accounts							
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	Y	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Baseline Balance BA		Y	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only		Y	(\$8,854)	(\$5,554)	(\$209)	(\$3,295)	(\$9,059)
CFCA -Nonmargin Other		Y	\$3,969	\$2,490	\$94	\$1,477	\$4,061
CFCA -Nonmargin SCG		Y	\$2,043	\$1,282	\$48	\$760	\$2,090
CA Solar Initiative Balancing Acct CSIBA	Y	Y	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA		Y	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C		Y	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA		Y	(\$982)	(\$254)	(\$10)	(\$151)	(\$415)
Interim Call Ctr Memo Acct. (ICCMA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Natural Gas Supp Refund Track Acct		Y	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	Y	\$13,000	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other		Y	\$1,642	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG		Y	\$2,469	\$0	\$0	\$0	\$0
NGVA		Y	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC		Y	\$0	\$0	\$0	\$0	\$0
PBOPBA	Y	Y	(\$234)	(\$200)	(\$1)	(\$32)	(\$233)
Pension BA	Y	Y	\$1,155	\$988	\$4	\$160	\$1,151
RD&D 1-Way Bal Acct (Pre-2001)		Y	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	Y	\$462	\$395	\$2	\$64	\$461
Self Gen Memo Acct - SGPMA-CSI	Y	Y	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	Y	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	Y	\$755	\$646	\$3	\$104	\$753
Gain/Loss on Sale Memo Acct GLOSMA	Y	Y	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA		Y	(\$654)	(\$181)	(\$6)	(\$101)	(\$289)
Integrated Transmission Nonmargin ITBA		Y	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Y	Y	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account		Y	\$1,950	\$1,021	\$49	\$734	\$1,804
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	Y	Y	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts			\$16,721	\$631	(\$27)	(\$280)	\$325
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr				\$206,364	\$908	\$35,165	\$242,437
AVERAGE YEAR THROUGHPUT, Mth/yr				307,841	11,606	182,595	502,042
Average Rate \$/th				\$0.67036	\$0.07821	\$0.19259	\$0.48290
FFU Rate				102.31%	102.31%	102.31%	102.31%

SDG&E Cost Allocation

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MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	(\$9,059)	(\$205)	(\$8,854)
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$4,061	\$92	\$3,969
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$2,090	\$47	\$2,043
CA Solar Initiative Balancing Acct CSIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	(\$40)	(\$33)	(\$517)	(\$550)	(\$590)	(\$1,005)	(\$23)	(\$982)
Interim Call Ctr Memo Acct. (ICCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	\$3,899	\$1,778	\$7,623	\$9,401	\$13,300	\$13,300	\$300	\$13,000
NFCA -Nonmargin Other	\$114	\$94	\$1,471	\$1,566	\$1,680	\$1,680	\$38	\$1,642
NFCA -Nonmargin SCG	\$172	\$142	\$2,212	\$2,354	\$2,526	\$2,526	\$57	\$2,469
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	(\$2)	(\$1)	(\$4)	(\$4)	(\$6)	(\$239)	(\$5)	(\$234)
Pension BA	\$9	\$4	\$17	\$21	\$30	\$1,182	\$27	\$1,155
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$4	\$2	\$7	\$9	\$12	\$473	\$11	\$462
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	\$6	\$3	\$11	\$14	\$20	\$772	\$17	\$755
Gain/Loss on Sale Memo Acct GLOSMa	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	(\$26)	(\$21)	(\$333)	(\$354)	(\$380)	(\$669)	(\$15)	(\$654)
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	\$191	\$0	\$0	\$0	\$191	\$1,995	\$45	\$1,950
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$4,326	\$1,967	\$10,489	\$12,456	\$16,783	\$17,107	\$386	\$16,721
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$6,452	\$3,067	\$18,502	\$21,569	\$28,022	\$270,459		
AVERAGE YEAR THROUGHPUT, Mth/yr	48,633	40,128	625,692	665,820	714,453	1,216,495		
Average Rate \$/th	\$0.13268	\$0.07643	\$0.02957	\$0.03239	\$0.03922	\$0.22233		
FFU Rate	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%		

SDG&E Cost Allocation

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MARGINAL COST COMPONENTS \$000's	Source	Allocation	Allocation %						
			Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
On-Bill Financing Balancing Account (OBFBA)	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Baseline Balance BA	Reg. Acct Update 5/2011	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
CFCA -Margin Only	Reg. Acct Update 5/2011	ECPT-Core	100.0%	61.3%	2.3%	36.4%	100.0%	0.0%	0.0%
CFCA -Nonmargin Other	Reg. Acct Update 5/2011	ECPT-Core	100.0%	61.3%	2.3%	36.4%	100.0%	0.0%	0.0%
CFCA -Nonmargin SCG	Reg. Acct Update 5/2011	ECPT-Core	100.0%	61.3%	2.3%	36.4%	100.0%	0.0%	0.0%
CA Solar Initiative Balancing Acct CSIBA	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Environmental Fee Balance Account EFBA	Alloc Factors	Calif ARB Admin Fee	100.0%	41.7%	1.6%	24.7%	68.0%	6.6%	4.3%
Distribution Integrity Management Program Memorandum Account (DIMPBA)		EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
FERC Settlement Proceeds MA	Reg. Acct Update 5/2011	CAT allocation	100.0%	1.0%	0.0%	99.0%	100.0%	0.0%	0.0%
Core Gas Storage Balancing Acct. GSBA-C	Reg. Acct Update 5/2011	ECPT-Core	100.0%	61.3%	2.3%	36.4%	100.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	Reg. Acct Update 5/2011	ECPT	100.0%	25.3%	1.0%	15.0%	41.3%	4.0%	3.3%
Interim Call Ctr Memo Acct. (ICCMA)	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Natural Gas Supp Refund Track Acct	Reg. Acct Update 5/2011	ECPT	100.0%	25.3%	1.0%	15.0%	41.3%	4.0%	3.3%
NFCA -Margin Only	Reg. Acct Update 5/2011	EPAM Noncore Only	100.0%	0.0%	0.0%	0.0%	0.0%	29.3%	13.4%
NFCA -Nonmargin Other	Reg. Acct Update 5/2011	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	6.8%	5.6%
NFCA -Nonmargin SCG	Reg. Acct Update 5/2011	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	6.8%	5.6%
NGVA	Reg. Acct Update 5/2011	ECPT	100.0%	25.3%	1.0%	15.0%	41.3%	4.0%	3.3%
Non-Core Gas Storage Balancing Acct GSBA-NC	Reg. Acct Update 5/2011	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	6.8%	5.6%
PBOPBA	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Pension BA	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
RD&D 1-Way Bal Acct (Pre-2001)	Reg. Acct Update 5/2011	ECPT	100.0%	25.3%	1.0%	15.0%	41.3%	4.0%	3.3%
Rewards & Penalties Bal Acct RPBA	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Self Gen Memo Acct - SGPMA-CSI	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Self Gen Memo Acct - SGPMA-NonCSI	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
SGPMA - Rev Req for NEXT Year	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Gain/Loss on Sale Memo Acct GLO SMA	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Integrated Transmission Margin ITBA	Reg. Acct Update 5/2011	CYTP	100.0%	27.1%	0.9%	15.2%	43.2%	3.9%	3.2%
Integrated Transmission Nonmargin ITBA	Reg. Acct Update 5/2011	CYTP	100.0%	27.1%	0.9%	15.2%	43.2%	3.9%	3.2%
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
CSI Thermal Program memoradum Account	Reg. Acct Update 5/2011	ECPT ex CARE, EG, Cost. Exempt	100.0%	51.2%	2.4%	36.8%	90.4%	9.6%	0.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Z-Factor Memorandum Account	Reg. Acct Update 5/2011	EPAM	100.0%	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%
Total Regulatory Accounts									
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr									
AVERAGE YEAR THROUGHPUT, Mth/yr									
Average Rate \$/th									
FFU Rate			MISC Inputs						

SDG&E Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore	Current	Filed 11/1/2011
Regulatory Accounts					
Adv Mtring Infrastructure Balancing Acct AMIBA	1.5%	0.0%	2.6%	(\$6,202)	
On-Bill Financing Balancing Account (OBFBA)	1.5%	0.0%	2.6%	\$150	
Baseline Balance BA	0.0%	0.0%	0.0%	\$0	
CFCA -Margin Only	0.0%	0.0%	0.0%	(\$13,621)	(\$8,854)
CFCA -Nonmargin Other	0.0%	0.0%	0.0%	\$2,831	\$3,969
CFCA -Nonmargin SCG	0.0%	0.0%	0.0%	\$2,471	\$2,043
CA Solar Initiative Balancing Acct CSIBA	1.5%	0.0%	2.6%	\$0	
Environmental Fee Balance Account EFBA	21.1%	25.4%	32.0%		
Distribution Integrity Management Program Memorandum Account (DIMPBA)	1.5%	0.0%	2.6%		
FERC Settlement Proceeds MA	0.0%	0.0%	0.0%	\$0	
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	0.0%	\$0	
Hazardous Substance Cleanup Cost Acct HSCCA	51.4%	0.0%	58.7%	\$1,316	(\$982)
Interim Call Ctr Memo Acct. (ICCMA)	1.5%	0.0%	2.6%	\$0	
Natural Gas Supp Refund Track Acct	51.4%	0.0%	58.7%	\$0	
NFCA -Margin Only	57.3%	70.7%	100.0%	\$3,743	\$13,000
NFCA -Nonmargin Other	87.6%	0.0%	100.0%	\$310	\$1,642
NFCA -Nonmargin SCG	87.6%	0.0%	100.0%	\$522	\$2,469
NGVA	51.4%	0.0%	58.7%	\$0	
Non-Core Gas Storage Balancing Acct GSBA-NC	87.6%	0.0%	100.0%	\$0	
PBOPBA	1.5%	0.0%	2.6%	(\$234)	(\$234)
Pension BA	1.5%	0.0%	2.6%	\$1,155	\$1,155
RD&D 1-Way Bal Acct (Pre-2001)	51.4%	0.0%	58.7%	\$0	
Rewards & Penalties Bal Acct RPBA	1.5%	0.0%	2.6%	\$2,375	\$462
Self Gen Memo Acct - SGPMA-CSI	1.5%	0.0%	2.6%	\$0	
Self Gen Memo Acct - SGPMA-NonCSI	1.5%	0.0%	2.6%	\$0	
SGPMA - Rev Req for NEXT Year	1.5%	0.0%	2.6%	\$755	\$755
Gain/Loss on Sale Memo Acct GLOSMA	1.5%	0.0%	2.6%	\$0	
Integrated Transmission Margin ITBA	49.8%	0.0%	56.8%	(\$802)	(\$654)
Integrated Transmission Nonmargin ITBA	49.8%	0.0%	56.8%	(\$22)	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	1.5%	0.0%	2.6%	\$0	
CSI Thermal Program memoradum Account	0.0%	0.0%	9.6%	\$678	\$1,950
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	1.5%	0.0%	2.6%	\$0	
Z-Factor Memorandum Account	1.5%	0.0%	2.6%	\$0	
Total Regulatory Accounts				(\$4,575)	\$16,721
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr					
AVERAGE YEAR THROUGHPUT, Mth/yr					
Average Rate \$/th					
FFU Rate					

SDG&E Cost Allocation

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MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$206,364	\$908	\$35,165	\$242,437
SW NGV Adjustment		(\$63)		(\$63)
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
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$206,364	\$845	\$35,165	\$242,374
<i>Rate Tables difference</i>	<i>\$206,364</i>	<i>\$845</i>	<i>\$35,165</i>	<i>\$242,374</i>
	\$0	\$0	\$0	\$0
AYTP Mth/yr	307,841	11,606	182,595	502,042
Average Rate w/oBTS \$/th	\$0.67036	\$0.07276	\$0.19259	\$0.48278
<i>Rate Tables difference</i>	<i>\$0.67036</i>	<i>\$0.07276</i>	<i>\$0.19259</i>	<i>\$0.48278</i>
	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$5,509	\$188	\$3,085	\$8,782
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$211,874	\$1,032	\$38,250	\$251,156
Average Rate w/ BTS \$/th	\$0.68826	\$0.08894	\$0.20948	\$0.50027

SDG&E Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$6,452			\$21,569	\$28,022	\$270,459
SW NGV Adjustment					\$0	(\$63)
SW EG Adjustment				\$345	\$345	\$345
TLS Adjustment						
Amount allocated to TLS Class \$000	(\$638)			(\$18,498)	(\$19,136)	(\$19,136)
TLS revenue paid by class @ average TLS rate \$000	\$252			\$7,105	\$7,357	\$7,357
	(\$386)			(\$11,394)	(\$11,779)	(\$11,779)
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$6,067			\$10,521	\$16,587	\$258,961
<i>Rate Tables difference</i>	<i>\$6,067</i>			<i>\$10,521</i>	<i>\$16,587</i>	<i>\$258,961</i>
	\$0			\$0	\$0	\$0
AYTP Mth/yr	48,633			665,820	714,453	1,216,495
Average Rate w/oBTS \$/th	\$0.12474			\$0.01580	\$0.02322	\$0.21288
<i>Rate Tables difference</i>	<i>\$0.12474</i>			<i>\$0.01580</i>	<i>\$0.02322</i>	<i>\$0.21288</i>
	\$0.00000			\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$787	\$649	\$10,122	\$10,771	\$11,558	\$20,340
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$6,853			\$21,292	\$28,145	\$279,301
Average Rate w/ BTS \$/th	\$0.14092			\$0.03198	\$0.03939	\$0.22960

SDG&E Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Allocation %						
			Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Sempra Wide & TLS Adjustments::									
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr									
SW NGV Adjustment									
SW EG Adjustment									
TLS Adjustment									
Amount allocated to TLS Class \$000									
TLS revenue paid by class @ average TLS rate \$000									
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr									
<i>Rate Tables difference</i>		<i>Cost Alloc</i>							
AYTP Mth/yr									
Average Rate w/oBTS \$/th									
<i>Rate Tables difference</i>		<i>Cost Alloc</i>							
BTS w/FFU Charge \$000									
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr		<i>SCG/ Local & BBT</i>							
Average Rate w/ BTS \$/th									

SDG&E Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
<u>Sempra Wide & TLS Adjustments::</u>			
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr			
SW NGV Adjustment			
SW EG Adjustment			
TLS Adjustment			
Amount allocated to TLS Class \$000			
TLS revenue paid by class @ average TLS rate \$000			
<u>Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr</u>			
<i>Rate Tables</i>			
<i>difference</i>			
AYTP Mth/yr			
Average Rate w/oBTS \$/th			
<i>Rate Tables</i>			
<i>difference</i>			
<u>BTS w/FFU Charge \$000</u>			
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr			
Average Rate w/ BTS \$/th			

SDGE Allocation Factors

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

	Res	NGV	Core C&I	Total Core	Non Core			Total EG	Total Non Core	Total System
					C&I	EG Tier 1	EG Tier 2			
DIRECT (%s Load or Cust/Mtrs Sum to 100%)										
Transmission										
Average Year Throughput (MTh)	0	0	0	0	15,070	21,305	547,042	568,347	583,417	583,417
Cold Year Throughput (1-in-35) (MTh)	0	0	0	0	15,070	21,305	547,042	568,347	583,417	583,417
Cold Year Peak Month (December) (MTh)	0	0	0	0	1,278	692	52,023	52,716	53,993	53,993
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	0	0	0	0	41	46	1,679	1,726	1,767	1,767
Number of Customers	0	0	0	0	9	12	8	20	29	29
High Pressure										
Average Year Throughput (MTh)	143	326	5,125	5,595	9,041	11,879	71,224	83,104	92,144	97,739
Cold Year Throughput (1-in-35) (MTh)	159	326	5,353	5,837	9,041	11,879	71,224	83,104	92,144	97,981
Cold Year Peak Month (December) (MTh)	24	29	574	626	766	984	6,064	7,048	7,814	8,441
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	1	25	27	25	32	196	227	252	279
Number of Customers	1	5	7	13	10	9	4	13	23	36
Medium Pressure										
Average Year Throughput (MTh)	307,698	11,281	177,469	496,447	24,522	6,944	7,426	14,369	38,891	535,338
Cold Year Throughput (1-in-35) (MTh)	340,408	11,281	185,347	537,035	24,522	6,944	7,426	14,369	38,891	575,926
Cold Year Peak Month (December) (MTh)	50,943	998	19,872	71,814	2,079	591	632	1,223	3,302	75,116
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,801	32	858	3,691	67	19	20	39	107	3,798
Number of Customers	850,343	27	30,417	880,787	44	31	2	33	77	880,864
CUMULATIVE (Calc'd from DIRECT %s)										
Transmission										
Average Year Throughput (MTh)	307,841	11,606	182,595	502,042	48,633	40,128	625,692	665,820	714,453	1,216,495
Cold Year Throughput (1-in-35) (MTh)	340,566	11,606	190,700	542,872	48,633	40,128	625,692	665,820	714,453	1,257,325
Cold Year Peak Month (December) (MTh)	50,967	1,027	20,446	72,440	4,123	2,267	58,719	60,987	65,110	137,550
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,803	33	883	3,718	133	97	1,895	1,992	2,125	5,844
Number of Customers	850,344	32	30,423	880,799	63	52	14	66	129	880,928
High Pressure										
Average Year Throughput (MTh)	307,841	11,606	182,595	502,042	33,562	18,823	78,650	97,473	131,035	633,077
Cold Year Throughput (1-in-35) (MTh)	340,566	11,606	190,700	542,872	33,562	18,823	78,650	97,473	131,035	673,907
Cold Year Peak Month (December) (MTh)	50,967	1,027	20,446	72,440	2,845	1,575	6,696	8,271	11,116	83,557
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,803	33	883	3,718	92	51	216	267	359	4,077
Number of Customers	850,344	32	30,423	880,799	54	40	6	46	100	880,899
Medium Pressure										
Average Year Throughput (MTh)	307,698	11,281	177,469	496,447	24,522	6,944	7,426	14,369	38,891	535,338
Cold Year Throughput (1-in-35) (MTh)	340,408	11,281	185,347	537,035	24,522	6,944	7,426	14,369	38,891	575,926
Cold Year Peak Month (December) (MTh)	50,943	998	19,872	71,814	2,079	591	632	1,223	3,302	75,116
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,801	32	858	3,691	67	19	20	39	107	3,798
Number of Customers	850,343	27	30,417	880,787	44	31	2	33	77	880,864
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$197,798	\$789	\$31,989	\$230,577	\$1,773	\$808	\$3,466	\$4,275	\$6,048	\$236,625

SDGE Allocation Factors

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	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System	
Calculation of Allocation Factors:											
Cumulative Transmission # Customers	850,344	32	30,423	880,799	63	52	14	66	129	880,928	
Cumulative Transmission AYTP Mth/yr	307,841	11,606	182,595	502,042	48,633	40,128	625,692	665,820	714,453	1,216,495	
AYTP System	25.3%	1.0%	15.0%	41.3%	4.0%	3.3%	51.4%		58.7%	100.0%	
AYTP Core	61.3%	2.3%	36.4%	100.0%					-	100.0%	502,042
AYTP Noncore				-	6.8%	5.6%	87.6%		100.0%	100.0%	714,453
AYTP Core & NonCore Distribution Only:											
System Total Mth/yr	307,841	11,606	182,595	502,042	48,633	40,128	625,692	665,820	714,453	1,216,495	
Less NonCore Transmission Mth/yr					(15,070)	(21,305)	(547,042)	(568,347)	(583,417)	(583,417)	
AYTP Core & NonCore Distribution Only	307,841	11,606	182,595	502,042	33,562	18,823	78,650	97,473	131,035	633,077	
%AYTP Core & NonCore Distribution	48.6%	1.8%	28.8%	79.3%	5.3%	3.0%	12.4%	15.4%	20.7%	100.0%	
Cumulative Transmission CYTP Mth/yr	340,566	11,606	190,700	542,872	48,633	40,128	625,692	665,820	714,453	1,257,325	
CYTP System	27.1%	0.9%	15.2%	43.2%	3.9%	3.2%	49.8%		56.8%	100.0%	
Cumulative Transmission CYCPM Mth/mo	50,967	1,027	20,446	72,440	4,123	2,267	58,719	60,987	65,110	137,550	
CYCPM System Total	37.1%	0.7%	14.9%	52.7%	3.0%	1.6%	42.7%		47.3%	100.0%	
CYPM EG-T Only mth/mo						692	52,023	52,716	52,716	52,716	
% CYPM EG-T Only						1.3%	98.7%	100.0%	100.0%	100.0%	
Cumulative Transmission Peak Day Mth/day	2,803	33	883	3,718	133	97	1,895	1,992	2,125	5,844	
PDD System Total	48.0%	0.6%	15.1%	63.6%	2.3%	1.7%	32.4%		36.4%	100.0%	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$197,798	\$789	\$31,989	\$230,577	\$1,773	\$808	\$3,466	\$4,275	\$6,048	\$236,625	
EPAM All	83.6%	0.3%	13.5%	97.4%	0.7%	0.3%	1.5%		2.6%	100.0%	
Core EPAM	85.8%	0.3%	13.9%	100.0%					-	100.0%	230,577
NonCore EPAM					29.3%	13.4%	57.3%	70.7%	100.0%	100.0%	6,048
LUAF Allocator:											
Method #1 = Based on 2007 Rates:											
LUAF in 2007 Rates	\$827	\$10	\$329	\$1,167	\$219	\$428	\$1,849	\$2,277	\$2,496	\$3,663	
% 2007 UAF Allocation	22.6%	0.3%	9.0%	31.9%	6.0%	11.7%	50.5%	62.2%	68.1%	100.0%	
Method #2 - 65% core @ ECPT / 35% noncore @ ECPT											
Core ECPT	61.3%	2.3%	36.4%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
NonCore ECPT	0.0%	0.0%	0.0%	0.0%	6.8%	5.6%	87.6%	0.0%	100.0%	100.0%	
% Core	77.0%	77.0%	77.0%	77.0%	77.0%	77.0%	77.0%	77.0%	77.0%	77.0%	
% Noncore	23.0%	23.0%	23.0%	23.0%	23.0%	23.0%	23.0%	23.0%	23.0%	23.0%	
% LUAF Allocation	47.2%	1.8%	28.0%	77.0%	1.6%	1.3%	20.1%	21.4%	23.0%	100.0%	
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct	2,801	32	858	3,691	67	19	20	39	107	3,798	
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct Res & CCI	2,801		858	3,659				0	0	3,659	
% CYPD MP Res & CCI	76.6%	0.0%	23.4%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	

SDGE Allocation Factors

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	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System
Method #3 - 59% core @ ECPT / 41% noncore @ ECPT										
Core ECPT	61.3%	2.3%	36.4%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
NonCore ECPT	0.0%	0.0%	0.0%	0.0%	6.8%	5.6%	87.6%	0.0%	100.0%	100.0%
% Core	59.0%	59.0%	59.0%	59.0%	59.0%	59.0%	59.0%	59.0%	59.0%	59.0%
% Noncore	41.0%	41.0%	41.0%	41.0%	41.0%	41.0%	41.0%	41.0%	41.0%	41.0%
% LUAF Allocation	36.2%	1.4%	21.5%	59.0%	2.8%	2.3%	35.9%	38.2%	41.0%	100.0%

Calculation of CAT allocation:

AYTP Core Transport Mth/yr	247	0	23,606	23,853	0	0	0	0	0	23,853
CAT allocation	1.0%	0.0%	99.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

Allocators for California Solar Initiative Thermal Memorandum Account (CSITMA):

AYTP Mth/yr all customers Mth/y	307,841	11,606	182,595	502,042	48,633	40,128	625,692	665,820	714,453	1,216,495
CARE Participants Mth/y	(64,322)	0	0	(64,322)	0	0	0	0	0	(64,322)
FERA Participants Mth/y	0	0	0	0	0	0	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EG Exempt Mth/y	0	0	0	0	0	(40,128)	(625,692)	(665,820)	(665,820)	(665,820)
Constitutionally Exempt Mth/y	(971)	(18)	(8,225)	(9,214)	(3,343)	0	0	0	(3,343)	(12,557)
AYTP Mth/yr excl CARE Participant & EOR Mth/y	242,547	11,589	174,369	428,505	45,290	0	0	0	45,290	473,795
% ECPT excl CARE, FERA, SGIP, EG, Constituional Exempt	51.2%	2.4%	36.8%	90.4%	9.6%	0.0%	0.0%	0.0%	9.6%	100.0%
CSI Thermal Program memorandum Account (\$000)										\$1,995
CSITMA Adder to Volumetric Rate										\$0.00421

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y	307,841	11,606	182,595	502,042	48,633	40,128	625,692	665,820	714,453	1,216,495
Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	(8,228)	(469,993)	(478,221)	(478,221)	(478,221)
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	307,841	11,606	182,595	502,042	48,633	31,900	155,699	187,599	236,232	738,274
% ECPT AB32 Fee Non-Exempt	41.7%	1.6%	24.7%	68.0%	6.6%	4.3%	21.1%	25.4%	32.0%	100.0%

Cost Allocation Model Results

TCAP Adjustm 1

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Procedure:

- #1) Input from Cost Allocation Model
- #2) Transition Adjustments by Year
- #3) Transition Adjustments Added to Customer Cost - output to Cost Alloc tab

	Res	NGV	Core C&I	Total Core	Total NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total	NCCI-D	
#1) Input from Cost Allocation Model												
Customer Related Costs		\$157,884	\$36	\$9,053	\$166,973	\$451	\$341	\$92	\$433	\$883	\$167,857	\$386
Medium Pressure Distribution Costs		\$40,928	\$471	\$12,532	\$53,931	\$980	\$279	\$298	\$577	\$1,556	\$55,487	\$980
High Pressure Distribution Costs		\$4,625	\$55	\$1,457	\$6,137	\$151	\$84	\$356	\$440	\$592	\$6,728	\$151
Backbone Transmission Costs	\$31,473	\$8,525	\$291	\$4,774	\$13,589	\$1,217	\$1,004	\$15,662	\$16,667	\$17,884	\$31,473	\$840
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGV		\$0	\$181	\$0	\$181	\$0	\$0	\$0	\$0	\$0	\$181	\$0
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$31,473	\$211,962	\$1,032	\$27,816	\$240,810	\$2,799	\$1,708	\$16,408	\$18,116	\$20,915	\$261,726	\$2,358
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total		81.0%	0.4%	10.6%	92.0%	1.1%	0.7%	6.3%	6.9%	8.0%	100.0%	0.9%

#2) Transition Adjustments by Year

2013 TCAP Adjustment		(\$8,000)	\$0	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2014 TCAP Adjustment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2015 TCAP Adjustment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2016 TCAP Adjustment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2017 TCAP Adjustment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2018 TCAP Adjustment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019 TCAP Adjustment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Amount of Adjustments to include in Proposal (\$8,000) \$0 \$8,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0

#3) Transition Adjustments Added to Customer Cost - output to Cost Alloc tab

Customer Related Costs	\$149,884	\$36	\$17,053	\$166,973	\$451	\$341	\$92	\$433	\$883	\$167,857	\$386	
Medium Pressure Distribution Costs	\$40,928	\$471	\$12,532	\$53,931	\$980	\$279	\$298	\$577	\$1,556	\$55,487	\$980	
High Pressure Distribution Costs	\$4,625	\$55	\$1,457	\$6,137	\$151	\$84	\$356	\$440	\$592	\$6,728	\$151	
Backbone Transmission Costs	\$8,525	\$291	\$4,774	\$13,589	\$1,217	\$1,004	\$15,662	\$16,667	\$17,884	\$31,473	\$840	
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
NGV	\$0	\$181	\$0	\$181	\$0	\$0	\$0	\$0	\$0	\$181	\$0	
Total Margin Allocation w/o SI, w/FAR, FF&U, Season Storage	\$203,962	\$1,032	\$35,816	\$240,810	\$2,799	\$1,708	\$16,408	\$18,116	\$20,915	\$261,726	\$2,358	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total		77.9%	0.4%	13.7%	92.0%	1.1%	0.7%	6.3%	6.9%	8.0%	100.0%	0.9%

Cost Allocation Model Results

2013TCAP SDGE RD Model - 2/22/2013 Update Filin

Procedure:

#1) Input from Cost Allocation Model

#2) Transition Adjustments by Year

#3) Transition Adjustments Added to Customer Cost -

	NCCI-T	Total NCCI	EG Tier 1 Dist	EG Tier 2 Dist	EG Tier 1 Trans	EG Tier 2 Trans	EG Trans	Total EG	SOURCE
#1) Input from Cost Allocation Model									
Customer Related Costs	\$64	\$451	\$262	\$39	\$79	\$52	\$131	\$433	SDGE Cost Allocation Model
Medium Pressure Distribution Costs	\$0	\$980	\$279	\$298	\$0	\$0	\$0	\$577	SDGE Cost Allocation Model
High Pressure Distribution Costs	\$0	\$151	\$84	\$356	\$0	\$0	\$0	\$440	SDGE Cost Allocation Model
Backbone Transmission Costs	\$377	\$1,217	\$471	\$1,969	\$533	\$13,694	\$14,227	\$16,667	SDGE Cost Allocation Model
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	SDGE Cost Allocation Model
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	SDGE Cost Allocation Model
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	SDGE Cost Allocation Model
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	SDGE Cost Allocation Model
NGV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	SDGE Cost Allocation Model
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$442	\$2,799	\$1,096	\$2,662	\$612	\$13,746	\$14,358	\$18,116	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	0.2%	1.1%	0.4%	1.0%	0.2%	5.3%	5.5%	6.9%	

#2) Transition Adjustments by Year

2013 TCAP Adjustment	\$0	\$0	(\$300)	(\$800)	\$300	\$800	\$1,100	\$0
2014 TCAP Adjustment	\$0	\$0	(\$275)	(\$533)	\$275	\$533	\$808	\$0
2015 TCAP Adjustment	\$0	\$0	(\$240)	(\$267)	\$240	\$267	\$507	\$0
2016 TCAP Adjustment	\$0	\$0	(\$200)	\$0	\$200	\$0	\$200	\$0
2017 TCAP Adjustment	\$0	\$0	(\$145)	\$0	\$145	\$0	\$145	\$0
2018 TCAP Adjustment	\$0	\$0	(\$75)	\$0	\$75	\$0	\$75	\$0
2019 TCAP Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Amount of Adjustments to include in Proposal \$0 \$0 (\$300) (\$800) \$300 \$800 \$1,100 \$0

#3) Transition Adjustments Added to Customer Co

Customer Related Costs	\$64	\$451	(\$38)	(\$761)	\$379	\$852	\$1,231	\$433
Medium Pressure Distribution Costs	\$0	\$980	\$279	\$298	\$0	\$0	\$0	\$577
High Pressure Distribution Costs	\$0	\$151	\$84	\$356	\$0	\$0	\$0	\$440
Backbone Transmission Costs	\$377	\$1,217	\$471	\$1,969	\$533	\$13,694	\$14,227	\$16,667
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$442	\$2,799	\$796	\$1,862	\$912	\$14,546	\$15,458	\$18,116
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	0.2%	1.1%	0.3%	0.7%	0.3%	5.6%	5.9%	6.9%

Miscellaneous Inputs

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Calculation of UnAccounted For Gas:

UAF Volumes Mth/yr	14,535	Demand FC
System AYTP Mth/yr	1,216,495	Alloc Factors
% UAF	1.195%	
WACOG \$/dth	\$4.32	
UAF \$/yr	\$6,279	

Sempra Utilities Retail CORE Commodity Weighted-Average-Cost-of-Gas (WACOG) for Purchases

Gas Cost \$/dth \$4.32 Updated Gas Cost Estimate from testimony of Mr. Herb Emmrich

BTU Factor

1.0194 Mbtu/cf Demand FC
1,018 Mbtu/mcf
1 th = 100,000 BTUs
1,000 Mth = 100,000MBTUs

Calculation of Brokerage Fee:

	2011	BCAP	
Core Broker Fee Rate \$/th	\$0.00148	\$0.00157	Broker Fee Study 8-11-2011
Core AYTP Mth/yr	499,967	502,042	Alloc Factors
	\$740	\$790	
FFU	\$17	\$18	2.31%
Core Broker Fee w/FFU \$000	\$0	\$0	

Calculation of Company Use Other \$/therm:

Co Use Other usage (Mth)	239	Wetzel Workpapers
WACOG \$/th	\$0.432	
Co Use Transmission \$000	\$103	

Core De-Averaging:

*Res/Retail Difference = Average Rate of Res & CCI * Res Vols - Res Rev Req*

	Res	CCI	Total	Source
Rev Req \$000	\$216,544	\$38,043	\$254,587	2011 Cost Alloc
AYTP Mth/yr	326,003	158,725	484,728	2011 Cost Alloc
average rate of Res & CCI			\$0.525	
* Res Volumes			326,003	
			\$171,222	
less Res Rev Req			(\$216,544)	
adjustment required for fully averaged rates			(\$45,322)	

Core De-Avg 2000	(\$21,203)	\$21,203		2008 Cost Alloc
Core De-Avg 2001	\$2,356	(\$2,356)		2008 Cost Alloc
Core De-Avg 2002	\$2,356	(\$2,356)		2008 Cost Alloc
Core De-Avg 2003	\$2,356	(\$2,356)		2008 Cost Alloc
Core De-Avg 2004	\$2,356	(\$2,356)		2008 Cost Alloc
Core De-Avg 2005	\$2,356	(\$2,356)		2008 Cost Alloc
Core De-Avg 2006	\$0	\$0		2008 Cost Alloc
Core De-Avg 2007	\$2,356	(\$2,356)		2008 Cost Alloc
Core De-Avg 2008	\$2,356	(\$2,356)		2008 Cost Alloc
Core De-Avg 2009	\$0	\$0		
Core De-Avg 2010	\$0	\$0		2009 BCAP SA
Core De-Avg 2011	\$1,570	(\$1,570)		2009 BCAP SA
Core De-Avg 2012	\$1,570	(\$1,570)		2009 BCAP SA
2012 Core Averaging Adjustment \$000	(\$1,571)	\$1,571		

Averaging % 3.5%
De-Averaged 96.5%

	De-Average Adjustment	Average Adjustment	% De-Averaged	% Averaged
	(\$1,571)	(\$1,571)	96.5%	3.5%
Year 1 (Proposed 2013 TCAP)	\$1,571	\$0	0.0%	100.0%
Year 2 (Proposed 2013 TCAP)	\$0	\$0	0.0%	100.0%
Year 3 (Proposed 2013 TCAP)	\$0	\$0	0.0%	100.0%

FFU Rates & Example Calculation:		SDGEGas	Source
Gross Revenue Billed		\$100.000	2008 GRC
Uncollectable	0.14100%	\$0.138	2008 GRC
Franchise Rate	2.12000%	\$2.120	2008 GRC
Net Revenue		\$97.742	
<hr/>			
if I want this net revenue		\$97.742	
Net to Gross= Gross Revenue/Net revenue =		102.3102%	
then I need to bill this amount		\$100.000	
<hr/>			
If I bill this amount		\$100.00	
Gross-to-Net = Net Revenue/Gross Revenue		97.7420%	
then I will get this net revenue		\$97.742	
<hr/>			
If I bill this amount		\$100.00	
Gross to Net = 1-(Net Revenue/Gross Revenue) =		2.2580%	
then I will get this net revenue		\$97.742	

Gas AMI Revenue Requirement	2007	2008	2009	2010	2011	Source
Franchise Fees & Uncollectibles	(\$38)	\$5	\$238	\$374	\$408	AL 1693-G, Attachment 15-1
O&M expenses	\$408	\$1,580	\$961	(\$2,579)	(\$5,759)	AL 1693-G, Attachment 15-1
Property Taxes	\$6	\$78	\$487	\$917	\$1,132	AL 1693-G, Attachment 15-1
Preferred Equity Interest	\$2	\$25	\$157	\$296	\$366	AL 1693-G, Attachment 15-1
Interest Expense	\$13	\$169	\$1,049	\$1,976	\$2,438	AL 1693-G, Attachment 15-1
Depreciation Expense	\$13	\$622	\$4,465	\$7,691	\$9,621	AL 1693-G, Attachment 15-1
Federal Tax Expense	(\$1,604)	(\$1,950)	\$454	\$2,422	\$3,020	AL 1693-G, Attachment 15-1
State Tax Expense	(\$406)	(\$654)	(\$12)	\$545	\$883	AL 1693-G, Attachment 15-1
Return on Equity	\$27	\$341	\$2,115	\$3,982	\$4,914	AL 1693-G, Attachment 15-1
Revenue Requirement Include FFU \$000's	(\$1,578)	\$215	\$9,914	\$15,624	\$17,023	
AMI Revenue Requirement Excl FFU \$000's	(\$1,540)	\$210	\$9,677	\$15,249	\$16,615	

SDG&E

Residential Rate Design

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Procedure:

Calculate revenue from GR rate

Calculate BL rate given total revenue, BL & NBL volumes and NBL/BL ratio

RESULTS of Resid Rate:

	Customer Charge \$/mo	BL \$/th	NBL \$/th	Average Volumetric Rate \$/th	# Customers/Res Units of MM Cust	BL Volume mth/yr	NBL Volume mth/yr	Total Volume mth/yr	Customer Charge \$000/yr	BL revenue \$000/yr	NBL Revenue \$000/yr	Total Volumetric Revenue \$000/yr	Total Revenue \$000/yr
Res (Schd GR)	\$5.00	\$0.42891	\$0.68891	\$0.51344	850,344	207,753	100,088	307,841	\$51,021	\$89,107	\$68,951	\$158,058	\$209,079
Submeter Credit \$/unit/day (Schd GS)				(\$0.29392)	6,004							(\$644)	(\$644)
Submeter Credit \$/unit/day (Schd GT)				(\$0.36460)	27,745							(\$3,692)	(\$3,692)
Borrego Revenue												\$68	\$68
Employee Discount (Schd GR)												(\$412)	(\$412)
SDFFD												\$945	\$945
CAT Adder				\$0.00000				247				\$0	\$0
CSITMA Adder				\$0.00421				242,547				\$1,021	\$1,021
Total Residential													\$206,364

Calculations

Source

Total Res Rev \$000	\$206,364		Cost Alloc
less CAT adder costs	\$0		Cost Alloc
less CSITMA adder costs	(\$1,021)		Cost Alloc
less Borrego \$000	(\$68)		Borrego
plus Employee Discount \$000	\$412		Recorded 2010
plus Submeter Credit GS	\$644		
plus Submeter Credit GT	\$3,692		
	\$210,024		
less SDFFD	0.450% (\$945)		SDFFD
Vol. Rev from GR Rate	\$209,079		
BL Vols Mth/yr	67.5% 207,753		
NBL Vols Mth/yr	100,088		
GR Volumes Mth/yr	<u>307,841</u>		Alloc Factors
2011 BCAP Res Vols:			
BL	220,010	67.5%	Rate Tables
NBL	105,993	32.5%	Rate Tables
Total	326,003	100.0%	
Commodity Rate = \$/th	\$0.43200		Misc Inputs
total vols Mth/yr	307,841		
Commodity Rev	\$132,987		
Transport Rev	\$209,079		
Total rev	\$342,066		

NBL/BL Composite Rate Ratio	1.14	2009BCAP SA
BL rate w/commodity =	\$1.06155	$BL\ rate = 1 / ((BL\ Vol + (ratio * NBL\ vol)) * (1 / revenue))$
NBL rate w/commodity =	\$1.21419	$NBL\ rate = BL\ rate * ratio$
verify ratio	1.14	
BL rate w/o commodity =	\$0.62955	
NBL rate w/o commodity =	\$0.78219	
Verify Total Revenue:		
BL Revenue	\$130,792	
NBL Revenue	\$78,287	
	\$209,079	
plus CAT adder	\$0	
plus CSITMA adder	\$1,021	
plus Borrego	\$68	
less employee discount	(\$412)	
less Submeter Credit GS	(\$644)	
less Submeter Credit GT	(\$3,692)	
plus SDFFD	\$945	
total res reve	\$206,364	
verify revenue	\$0	

<u>Calculate Submeter Credit Revenues:</u>	<u>Sched GS, MultiFamily</u>	<u>Sched GT, Mobilehome</u>	
Based on Current Rate:			
Number of Res Units Behind Master Meter Customer	5,731	27,340	Demand FC 01-29-08
Number of Master Meter Customers	231	242	Demand FC 01-29-08
Number of Res Units per Master Meter Customer	25	113	
Number of Master Meter Customers-Forecast	242	246	Demand FC 01-29-08
Number of Res Units Behind Master Meter Customers-Fc	6,004	27,745	
Submeter Credit, \$/day/unit	(\$0.29392)	(\$0.36460)	2013TCAP SubMtr Cr
Number of days for subMeter CR =	365	365	
Submeter Credit Revenues \$000/yr =	(\$644)	(\$3,692)	

<u>Calculation of CAT Adder:</u>		<u>Source</u>
Costs allocated to Res class \$000	\$0	Cost Alloc
CAT Volumes Mth	247	Alloc Factors
	\$0.00000	

<u>Calculation of CSITMA Adder, Decision 10-01-022 January 21, 2010</u>		<u>Source</u>
Costs allocated to Res class \$000	\$1,021	Cost Alloc
Non Care/FERA Res Volumes Mth/yr	242,547	Misc Inputs
	\$0.00421	

Res Rates with Customer Charge

Calculate BL & NBL Rates based on targeted RATIO between NBL Rate & Composite Rate (including gas costs)

Calculate BL & NBL Rates based on a rate difference cap between NBL & BL rates (excluding gas costs)

Rates to be Used are those in the RATIO column, unless Difference CAP is exceeded in which case DIFFERENCE column is used.

Formulae:

$$NBL \text{ rate} = (RATIO * Composite \text{ Rate}) - Gas \text{ Rate}$$

$$Composite \text{ Rate} = ((Baseline \text{ Revenue} + Customer \text{ Charge Revenue} + SubMeter \text{ Credit})/Baseline \text{ Volumes}) + Gas \text{ Rate}$$

$$TR = (BLR * BLV) + (NBLR * NBLV) + CCR + SMCr$$

$$NBLR = (((BLR * BLV) + CCR + SMCr) * (1/BLV) + Gas \text{ Rate}) * RATIO - Gas \text{ Rate}$$

$$BLR = (TR - (NBLR * NBLV) - CCR - SMCr) * (1/BLV)$$

Base Line Rate calculation causes a CIRCULAR REFERENCE, this may be removed by copy/paste/values the BL rates

Rev from GR Rate	\$209,079
less Submeter Credit GT	(\$3,692)
less Submeter Credit GS	(\$644)
less Employee Discount \$000	(\$412)
plus Borrego \$000	\$68
Total	\$204,398

	<u>DIFFERENCE</u>	<u>RATIO</u>	<u>Rates to Use</u>	<u>Sources</u>
Base Line Rate \$/th = blr = (calculated)	\$0.42891	\$0.37389		
Base Line Rate \$/th= blr = (input in model)	\$0.42891	\$0.37389	\$0.42891	RES Rate/RUN (this is done to avoid circ ref)
Base Line Vols mth/yr = blv =	207,753	207,753	207,753	
Baseline Revenue \$000 =	\$89,107	\$77,677	\$89,107	

NBL rate based on NBL-BL Difference CAP:

Base Line Rate \$/th = blr =	\$0.42891
DIFFERENCE CAP	\$0.26000
NonBaseline Rate \$/th	\$0.68891

NBL rate based on NBL/Composite Ratio:

Composite Rate \$/th	\$1.07401		
Targeted RATIO	1.15		
Gas Rate \$/th =	\$0.43200		Misc Inputs
NonBaseline Rate \$/th	\$0.80311	\$0.68891	

NonBaseline Vols mth/yr= nblv =	100,088	100,088	100,088
NonBaseline Revenue \$000	\$68,951	\$80,381	\$68,951

Borego Springs	\$68	\$68	\$68
Emp Disc	(\$412)	(\$412)	(\$412)
Customer Charge revenue = ccr =	\$51,021	\$51,021	\$51,021
SubMeter Credit = sc =	(\$4,336)	(\$4,336)	(\$4,336)
Subtotal Revenue	\$204,398	\$204,398	\$204,398
Less SDFFD	\$0	\$0	\$0
Total Revenue	\$204,398	\$204,398	\$204,398
<i>target revenue</i>	<i>\$204,398</i>	<i>\$204,398</i>	<i>\$204,398</i>
	\$0	\$0	\$0

Difference between NBL and BL rate:

NBL Rate \$/th	\$0.68891	\$0.80311	\$0.68891
BL rate \$/th	\$0.42891	\$0.37389	\$0.42891
difference \$/th	\$0.26000	\$0.42921	\$0.26000

Effective NBL/Composite Ratio:

NBL Rate \$/th	\$0.68891	\$0.80311	\$0.68891	
Gas Rate \$/th =	\$0.43200	\$0.43200	\$0.43200	Misc Inputs
	\$1.12091	\$1.23511	\$1.12091	
Composite Rate \$/th	\$1.12902	\$1.07401	\$1.12902	
Effective Ratio	0.99	1.15	0.99	

Composite Rate:

Baseline Revenue \$000 =	\$89,107	\$77,677	\$89,107	
Customer Charge revenue = ccr =	\$51,021	\$51,021	\$51,021	
Borego Springs	(\$68)	(\$68)	(\$68)	
Employee Discount	\$412	\$412	\$412	
SubMeter Credit = sc =	\$4,336	\$4,336	\$4,336	
	\$144,809	\$133,379	\$144,809	
Base Line Vols mth/yr = blv =	207,753	207,753	207,753	
	\$0.69702	\$0.64201	\$0.69702	
Gas Rate \$/th =	\$0.43200	\$0.43200	\$0.43200	Misc Inputs
Composite Rate \$/th	\$1.12902	\$1.07401	\$1.12902	

**SDG&E 2009 BCAP FILING
CALCULATION OF LNG SERVICE RATES
San Diego Gas & Electric**

	2010 Billing Months	2010 Borrego Volumes (therms)	Present Rates		Proposed Rates		Change	Source
			Rates \$/therm	Revenues \$'s	Rates \$/therm	Revenues \$'s		
WACOG			\$0.43200		\$0.43200			Misc Inputs
GR Baseline w/o WACOG			\$0.55450		\$0.42891			Rate Tables
GR NBL w/o WACOG			\$0.69934		\$0.68891			Rate Tables
GR Baseline w/wacog	2,876	49,548	\$0.98650	\$48,879	\$0.86091	\$42,656		
GR NBL w/wacog		28,787	\$1.13134	\$32,568	\$1.12091	\$32,268		
GR-LI BL	589	16,739	\$0.78920	\$13,210	\$0.68873	\$11,529		
GR-LI NBL		4,449	\$0.90507	\$4,027	\$0.89673	\$3,990		
GR total	3,465	99,523	\$0.99157	\$98,684		\$90,442	(\$8,242)	
GL-1 Facility Charge (\$/mo.)		3,465	<u>Present</u> \$14.79	\$51,249	<u>Proposed</u> \$14.79	\$51,249	0.0%	
GL-1 Surcharge \$/th		99,523	\$0.16571	\$16,491	\$0.16571	\$16,491	0.0%	
				\$67,740		\$67,740		
GL-1 Total				\$67,740		\$67,740	0.0%	
LNGSTA Tracking Acct Balance				\$0				
Grand Total (\$)				\$166,424		\$158,182		
divided by Gas Volumes (therms)				99,523		99,523		
= Average LNG Rate \$/therm				\$1.67222		\$1.58940		
%Change from Present Rates						-5.0%		
Grand Total (\$)				\$166,424		\$158,182		
divided by Billing Months				3,465		3,465		
= Average Gas LNG Service Bill \$/bill				\$48.03		\$45.65		
plus Electric Service Bill \$/bill				\$63.07		\$63.07		Electric FC 8/8/11
= Total Service Bills \$/bill				\$111.10		\$108.72		
less All-Electric Service Bill for Borrego \$/bill				\$97.83		\$97.83		Electric FC 8/8/11
Difference from All-Electric Bill				\$13.27		\$10.89		
%Change from All-Electric				13.6%		11.1%		
%Change, Total Bill				0.0%				

SDG&E Core C&I Rates

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Procedure

Calculate Customer Charge Revenue

Calculate Volumetric Revenue by Tiers

Volumetric revenue = Total Revenue less Customer Charge revenue
 difference in rate tiers based on proportional difference in existing tiers

Results		Rate \$/mo or \$/th	# Customers	AYTP mth/yr	revenue \$000/yr	Source
Customer Charge		\$10.00	30,423		\$3,651	Alloc Factors
TIER 1	0-1000 th/mo	\$0.24367		81,720	\$19,913	
TIER 2	1001-21k th/mo	\$0.11178		84,648	\$9,462	
TIER 3	> 21k th/mo	\$0.07452		16,227	\$1,209	
Total Volumetric		\$0.16750		182,595	\$30,584	
Total Volumetric & Customer Charge		\$0.18749		182,595	\$34,235	
SDFFD					\$196	
Cat Adder \$/th		\$0.00000		23,606	\$0	Alloc Factors
CSITMA Adder \$/th		\$0.00421		174,369	\$734	Alloc Factors
Total CCI		\$0.19259		182,595	\$35,165	

Calculation of Volumetric Rates

	% difference from Tier 1	Forecast Vol Mth/yr	Vol Rate Base Margin Items \$/th	Vol Rev Base Margin Items \$000	Vol Rate NonBase Margin Items \$/th	Total Vol Rate \$/th	Total Vol Rev \$000	Source
Tier 1		81,720	\$0.23299	\$19,040	\$0.01068	\$0.24367	\$19,913	
Tier 2	43%	84,648	\$0.10110	\$8,558	\$0.01068	\$0.11178	\$9,462	
Tier 3	27%	16,227	\$0.06384	\$1,036	\$0.01068	\$0.07452	\$1,209	
		182,595		\$28,634		\$0.16750	\$30,584	

Total Allocated Base Margin Costs		\$31,989	
less customer charge revenue		<u>(\$3,651)</u>	
Plus Non-ECPT items		\$296	
Target Vol Rev \$000 =		\$28,634	
Vol revenue Check should be \$0		\$0	
Total Allocated Costs		\$35,165	Cost Alloc
less SDDFD	0.558%	<u>\$196</u>	
Subtotal Allocated Costs		\$34,969	
Total Allocated Base Margin Costs		\$31,989	Cost Alloc
Less CAT costs \$000		\$0	Cost Alloc
Less CSITMA Adder \$/th		<u>\$734</u>	Cost Alloc
Total Allocated NonBase Margin Costs		\$1,950	
Forecast AYTP Mth/yr		<u>182,595</u>	
Volumetric Rate for NonBaseMargin Items \$/th		\$0.01068	

Notes:

$Rate\ 1 = [((1 * volume1) + (1 * tier\ 2\ \% \ difference * Volume2) + (1 * tier\ 3\ \% \ difference * Volume3)) * (1 / volumetric\ revenue)]^{-1}$

$Rate\ 2 = Rate\ 1 * \% \ difference\ from\ tier\ 1$

$Rate\ 3 = Rate\ 1 * \% \ difference\ from\ tier\ 1$

Volumetric rates are calculated in 2 parts:

part 1 = base margin less customer charge revenue and is spread amongst the tiers based on current rates.

part 2 = non base margin items and is the same rate for each tier.

Calculation of AYTP by Tier & Band Mth/year

	TIER 1 0-100 th/mo	TIER 2 101-250 th/mo	TIER 3 251-1k th/mo	TIER 4 1,001-4,167 th/mo	TIER 5 4,168-12,500 th/mo	TIER 6 12,501-21k th/mo	TIER 7 > 21k th/mo	TOTAL	Source
2010 Recorded Annual Data Normalized to AYTP HDD Mth/yr									
Band 1 0-100 th/yr	241	0	0	0	0	0	0	241	Recorded 2010
Band 2 101-300 th/yr	829	8	0	0	0	0	0	837	Recorded 2010
Band 3 301-3k th/yr	6,057	2,856	740	15	0	0	0	9,668	Recorded 2010
Band 4 3,001-12k th/yr	6,355	9,120	17,951	958	8	0	0	34,393	Recorded 2010
Band 5 12,001-50k th/yr	2,687	4,002	19,314	23,523	917	19	5	50,467	Recorded 2010
Band 6 50,001-250k th/yr	565	845	4,210	16,889	20,681	3,819	721	47,730	Recorded 2010
Band 7 > 250k th/yr	63	95	474	2,001	5,254	5,066	14,447	27,401	Recorded 2010
Therm Totals	16,797	16,927	42,689	43,385	26,860	8,905	15,173	170,737	

2010 Recorded Annual Data as % of Total

Band 1 0-100 th/yr	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Band 2 101-300 th/yr	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%
Band 3 301-3k th/yr	3.5%	1.7%	0.4%	0.0%	0.0%	0.0%	0.0%	5.7%
Band 4 3,001-12k th/yr	3.7%	5.3%	10.5%	0.6%	0.0%	0.0%	0.0%	20.1%
Band 5 12,001-50k th/yr	1.6%	2.3%	11.3%	13.8%	0.5%	0.0%	0.0%	29.6%
Band 6 50,001-250k th/yr	0.3%	0.5%	2.5%	9.9%	12.1%	2.2%	0.4%	28.0%
Band 7 > 250k th/yr	0.0%	0.1%	0.3%	1.2%	3.1%	3.0%	8.5%	16.0%
Therm Totals	9.8%	9.9%	25.0%	25.4%	15.7%	5.2%	8.9%	100.0%

Forecasted AYTP Mth/yr

Forecasted AYTP for CCI class th/yr 182,595 Alloc factors

Band 1 0-100 th/yr	257	0	0	0	0	0	0	257
Band 2 101-300 th/yr	887	9	0	0	0	0	0	895
Band 3 301-3k th/yr	6,478	3,055	791	16	0	0	0	10,340
Band 4 3,001-12k th/yr	6,797	9,754	19,198	1,024	9	0	0	36,781
Band 5 12,001-50k th/yr	2,874	4,280	20,655	25,156	981	21	5	53,972
Band 6 50,001-250k th/yr	604	904	4,502	18,062	22,118	4,085	771	51,045
Band 7 > 250k th/yr	68	102	507	2,140	5,619	5,418	15,451	29,304
Total Forecast AYTP Mth/yr	17,964	18,103	45,654	46,398	28,726	9,524	16,227	182,595

Combine Tiers 1+2+3; 4+5+6; 7

Total Forecast AYTP Mth/yr **81,720** **84,648** **16,227** **182,595**

Calculation of # Customers by Tier & Band

	TIER 1 0-100 th/mo	TIER 2 101-250 th/mo	TIER 3 251-1k th/mo	TIER 4 1,001-4,167 th/mo	TIER 5 4,168-12,500 th/mo	TIER 6 12,501-21k th/mo	TIER 7 > 21k th/mo	TOTAL	Source
# of Customer Bills/year in 2010									
Band 1 0-100 th/yr	42,276	0	0	0	0	0	0	42,276	Recorded 2010
Band 2 101-300 th/yr	46,479	214	5	0	0	0	0	46,698	Recorded 2010
Band 3 301-3k th/yr	57,974	29,030	6,541	42	0	0	0	93,587	Recorded 2010
Band 4 3,001-12k th/yr	2,386	4,501	54,687	3,314	6	0	0	64,894	Recorded 2010
Band 5 12,001-50k th/yr	189	217	2,788	22,898	877	4	1	26,974	Recorded 2010
Band 6 50,001-250k th/yr	17	5	44	751	3,817	889	133	5,656	Recorded 2010
Band 7 > 250k th/yr	1	0	1	1	4	79	548	634	Recorded 2010
Total # bills/year	149,322	33,967	64,066	27,006	4,704	972	682	280,719	

2010 Recorded Data as % of Total

Band 1 0-100 th/yr	15.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.1%
Band 2 101-300 th/yr	16.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	16.6%
Band 3 301-3k th/yr	20.7%	10.3%	2.3%	0.0%	0.0%	0.0%	0.0%	33.3%
Band 4 3,001-12k th/yr	0.8%	1.6%	19.5%	1.2%	0.0%	0.0%	0.0%	23.1%
Band 5 12,001-50k th/yr	0.1%	0.1%	1.0%	8.2%	0.3%	0.0%	0.0%	9.6%
Band 6 50,001-250k th/yr	0.0%	0.0%	0.0%	0.3%	1.4%	0.3%	0.0%	2.0%
Band 7 > 250k th/yr	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
	53.2%	12.1%	22.8%	9.6%	1.7%	0.3%	0.2%	100.0%

Forecasted # Customers

Forecasted # Customers for CCI class 30,423 Alloc factors

Band 1 0-100 th/yr	4,582	0	0	0	0	0	0	4,582
Band 2 101-300 th/yr	5,037	23	1	0	0	0	0	5,061
Band 3 301-3k th/yr	6,283	3,146	709	5	0	0	0	10,143
Band 4 3,001-12k th/yr	259	488	5,927	359	1	0	0	7,033
Band 5 12,001-50k th/yr	20	24	302	2,482	95	0	0	2,923
Band 6 50,001-250k th/yr	2	1	5	81	414	96	14	613
Band 7 > 250k th/yr	0	0	0	0	0	9	59	69
Total Forecast # Customers	16,183	3,681	6,943	2,927	510	105	74	30,423

Combine Tiers 1+2+3; 4+5+6; 7

Total Forecast # Customers	26,807			3,542			74	30,423
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SDGE NGV Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Procedure:

Rates based on allocated costs divided by AYTP.

SW rate based on combined allocated costs divided by combined AYTP.

Calculation of Costs Allocated to NGV:

		Source
NGV Revs on a Pre-Semprawide Basis	\$908	Cost Alloc
Less Compression Costs	\$181	Cost Alloc
Less SDFFD	0.199% \$2	
Less CSITMA Adder \$/th	\$49	Cost Alloc
Total Transport Rev	\$677	

Pre SW Calculation of Compression Adder Rate:

EC Compression Costs	\$181	
Compression Volumes mth/yr	163	SDG&E NGV Compression Adder model
Pre SW Compression Adder Rate \$/th	\$1.11048	

Calculation of Customer Charge Revenue:

	P-1	P-2A	Total	Source
# Customers	22	10	32	NGV Dept FC 12-18-2007/ Alloc Factors
Customer Charge \$/mo	\$13.00	\$65.00	\$29.42	
Customer Charge Revenue \$000	\$3	\$8	\$11	

Pre-SW Calculation of NGV Transportation Rate:

		Source
Total Transport Rev Stand Alone	\$677	
Less Customer Charge revenue \$000/yr	\$11	
Volumetric Revenue \$000/yr	\$665	
Transportation volumes mth/yr	11,606	Alloc Factors
Pre-SW NGV Transportation Rate \$/th	\$0.05734	

Post SW Rates:

	Uncompressed	Compressed	Total	
SW Volumetric Rate w/FFU \$/th	\$0.05402	\$0.95858	\$0.06651	Run Tab - SCG RD model/NGV Rates
AYTP Mth/yr	11,606	163	11,769	
SW Volumetric Revenue w/FFU \$000	\$627	\$156	\$783	
plus Customer Charge Revenue w/FFU	\$11		\$11	
Post SW Revenue w/FFU	\$638	\$156	\$794	
Pre SW Revenue w/FFU	\$677	\$181	\$857	
SW Adjustment w/FFU	(\$39)	(\$25)	(\$63)	

Calculation of SDG&E Residential NGV Fuelmaker Rates

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Results of Res Data:	Rate	# Res Customers with Fuel Maker	AYTP Mth/yr	Revenue \$000/yr
Customer Charge \$/mo	\$5.00	850		\$51
Volumetric Rate \$/th	\$0.18535		932	\$173
				<u>\$224</u>

Calculation of Total Revenue from Res Customers with FM:

		Source
Res Transport Rev Req w/SI, FFU, EOR Cr w/o FAR Rev, TLS \$000/yr	\$206,364	Cost Alloc
# Res Customers	850,344	Alloc Factors
Residential Cost = \$/Customer/year	\$243	
Additional cost for FM = \$/customer/year	\$88	
Total cost for Res customer with FM = \$/customer/yr	\$330	
Total # FM customers	850	
Total Revenue from Res Customers with FM=\$000	\$281	
# Res Customers with FM	850	
Customer Charge = \$/mo	\$5.00	
Customer Charge Revenue = \$000/yr	\$51	
Volumetric Revenue from Res Customers with FM=\$000	\$230	
Total Mth/year of Res Customers with FM=Mth/yr	1,240	
Vol Transport Rate for Res Customer with FM=\$/th	\$0.18535	

Calculation of Total Mth/year of Res Customers with Fuel Maker ("FM"):**Source**

Average Residential Th/year:		
Total Residential AYTP=Mth/yr	307,841	Alloc Factors
# Residential Customer	850,344	Alloc Factors
Average Residential Th/year	362	
Additional Th/year for FM:		
Total Fuel Maker Mth/yr	932	
Total # Fuel Maker customers	850	
Additional Th/year for Fuel Maker	1,096	
Total Th/year for Res Customer with FM = th/yr	1,458	
Total # FM customers	850	
Total Mth/year of Res Customers with FM=Mth/yr	1,240	

Calculation of FM therms/year and # FM Customers:**Source**

FM Usage Per Day Per Home (therm/day)	3.01	NGV Group
x avg #days/month	30.3	NGV Group
FM Usage Per Day Per Home (therm/day)	91.3	
Total # Res Customers	850,344	Alloc Factors
% of Res. Households Having NGV refueling at home	0.1%	Represents % of all residential households; results robust in 0-5% range.
Total # FM customers	850	
Total FM Mth/yr	932	
Daily FM volume	2.6	
Monthly FM volume	78	

Calculation of Additional cost for FM = \$/customer/year:

Additional cost for FM Source

Incremental Customer Costs \$000/yr

One Time Billing System Costs \$000
Amortization period = years

\$100
5

Incremental Customer Costs \$000/yr

\$20

Incremental MPD Costs \$000/yr

Res CYPD Mth/d
FM Est Peak Day Mth/d
FM CYPD as % Res CYPD
Res MPD Costs \$000

2,803	Alloc Factors
2.6	
0.09%	
\$40,928	Cost Allocation

Total MPD Costs \$000

\$37

Incremental HPD Costs \$000/yr

Res CYPM Mth/mo
FM Est Peak Day Mth/d:
FM Est CYPM Mth/mo
FM CYPM as % Res CYPM
Res HPD Costs \$000

50,967	Alloc Factors
78	
0.15%	
\$4,625	Cost Allocation

Total HPD Costs (\$1,000)

\$7

Incremental BBT Costs for FM \$000/yr

Res CYTP Mth/yr
FM Est Peak CYTP Mth/d
FM CYTP as % Res CYTP
Res BBT Costs w/SI \$000

w/SI	
340,566	Alloc Factors
932	Use AYTP of FM market
0.27%	
\$0	Cost Allocation

Incremental BBT Costs \$000

\$0

Incremental Local-T Costs for FM \$000/yr:

Res CYPM Mth/mo
FM Est CYPM Mth/mo
FM CYPM as % Res CYPM
Res Local-T Costs w/SI \$000

50,967	Alloc Factors
78	Use AYTP of FM market
0.15%	
\$2,361	Cost Allocation

Incremental Local-T costs \$000

\$4

Incremental Storage Costs - Seasonal for FM \$000/yr:

Res CYPD Mth/d	2,803	Alloc Factors
FM Est Peak Day Mth/d:		
FM Est Peak Day Mth/d	2.6	
FM Peak Day as % Res Peak Day	0.09%	
Res Stoarage Costs - Seasonal \$000	\$0	Cost Allocation
Storage Costs - Seasonal for FM \$000	\$0	

Incremental Storage Costs - Load Balancing for FM \$000/yr:

Res AYTP Mth/y	307,841	Alloc Factors
FM Est AYTP Mth/y	932	
FM Peak Day as % Res Peak Day	0.30%	
Res Stoarage Costs - Load Balancing \$000	\$0	Cost Allocation
Storage Costs - Load Balancing for FM \$000	\$0	

Incremental Co Use Transmission for FM \$000/yr:

FM Est AYTP Mth/y	932	
Co Use Trans rate as % of end use	0.000%	Misc Input
CoUse Trans for FM Mth/yr	0	
WACOG \$/dth	\$4.32	Misc Input
Co Use Transmission for FM \$000/yr	\$0	

Incremental UAF for FM \$000/yr:

FM Est AYTP Mth/y	932	
UAF rate as % of end use	1.195%	Misc Input
UAF for FM Mth/yr	11	
WACOG \$/dth	\$4.32	Misc Input
UAF for FM \$000/yr	\$5	

Incremental Transport Rev Req w/SI, w/oFFU \$000/yr	\$73	
FFU Rate	102.31%	Cost Allocation
Incremental Transport Rev Req w/SI, FFU \$000/yr	\$74	
# FM Customers	850	
Additional cost for FM = \$/customer/year	\$88	

SDG&E NonCore C&I Distribution Rates

**2013TCAP SDGE RD Model - 2/22/2013 Update Filing
Procedure**

Calculate customer charge revenue.
Calculate total volumetric revenue.

	TOTAL	Source
Customer Charge Revenue \$000/yr:		
Forecast # Customers	54	NCCI Detail Alloc
Customer Chare \$/mo	\$350.00	
Customer Charge Revenue \$000/yr	<u>\$227</u>	
Calculation of Total Volumetric Revenue \$000:		
Total Costs Allocated to NCCI-D class \$000/yr	\$5,815	NCCI Detail Alloc
Less Customer Charge Revenue \$000	\$227	
Less CSITMA Adder \$/th	<u>\$127</u>	NCCI Detail Alloc
Volumetric Revenue \$000	\$5,461	
AYTP NCCI-D Mth/yr	<u>33,562</u>	NCCI Detail Alloc
Volumetric Rate \$/th	<u>\$0.16270</u>	
Total Revenue \$000	\$5,815	
Average Rate \$/th	\$0.17325	



SDG&E EG-D Rates

**2013TCAP SDGE RD Model - 2/22/2013 Update Filing
Procedure**

Allocate costs between EG customers on Distribution and those on Transmission
 Send EG-Transmisison costs to SCG model for Local-T SFV & Vol calculations
 Calculate EG-Distribution Customer Charge Revenue
 Calculate EG-Distributon volumetric Revenue
 Calculate EG-Distribution Volumetric rates

Summary of EG Distribution Rates:	Pre Sempra Wide Rates			Post Sempra Wide Rates		
	Mth/yr	Rate \$/th	\$000's	Mth/yr	Rate \$/th	\$000's
EFBA Exempt Rates:						
EG Distribution Tier 1:						
Customer Charge	40	\$50.00	\$24	40	\$50.00	\$24
Volumetric Rate (excl ITCS)	18,823	\$0.07815	\$1,471	18,823	\$0.06954	\$1,309
	18,823	\$0.07943	\$1,495	18,823	\$0.07081	\$1,333
EG Distribution Tier 2						
Customer Charge	6	\$0.00	\$0	6	\$0.00	\$0
Volumetric Rate	78,650	\$0.02003	\$1,576	78,650	\$0.02648	\$2,083
	78,650	\$0.02003	\$1,576	78,650	\$0.02648	\$2,083
EG Distribution EFBA Exempt Customers	97,473	\$0.03150	\$3,071	97,473	\$0.03504	\$3,416
EFBA Non-Exempt Rates:						
EFBA Cost Adder	90,335	\$0.00000	\$0	90,335	0.00000	\$0
EG-Distribution Tier 1 w/EFBA Adder		\$0.07815			0.06954	
EG-Distribution Tier 2 w/EFBA Adder		\$0.02003			0.02648	
Total EG Distribution Level	97,473	\$0.03150	\$3,071	97,473	\$0.03504	\$3,416

Calculation of Pre SemptraWide EG-D Rate Excl EFBA	EG-D Tier 1	EG-D Tier 2	Total	Source
AYTP mth/yr	18,823	78,650	97,473	EG-EOR Detail Alloc
Total revenue \$000/yr	\$1,495	\$1,576	\$3,071	EG-EOR Detail Alloc
Less: EFBA	\$0	\$0	\$0	EG Detail Alloc
Total revenue \$000/yr	\$1,495	\$1,576	\$3,071	
total rate net of AB 32 Admin Fee Incl Cust Chg \$/th	\$0.07943	\$0.02003	\$0.03150	
Customer Charge:				
Total Customers	40	6	46	EG-EOR Detail Alloc
Customer Charge	\$50.00	\$0.00		
Customer Charge Rev \$000/yr	\$24	\$0	\$24	
Volumetric Rate:				
Total revenue \$000/yr	\$1,495	\$1,576	\$3,071	
Less Customer Charge \$000/yr	\$24	\$0	\$24	
Volumetric Revenue \$000/yr	\$1,471	\$1,576	\$3,047	
Volumetric Rate /th	\$0.07815	\$0.02003	\$0.03126	

Post SW Rates:

SW Volumetric Rate w/FFU \$/th	\$0.06954	\$0.02648		SCG RD model/EG-D Rates
AYTP Mth/yr	18,823	78,650	97,473	
SW Volumetric Revenue \$000	\$1,309	\$2,083	\$3,392	
plus Customer Charge Revenue \$000	\$24	\$0	\$24	
plus AB32 Admin Fee				
Post-SW Total Revenue \$000	\$1,333	\$2,083	\$3,416	
Pre-SW Total Revenue \$000	\$1,495	\$1,576	\$3,071	
SW Adjustment \$000	(\$162)	\$507	\$345	
Post-SW Total Revenue \$000	\$1,333	\$2,083	\$3,416	
AYTP Mth/yr	18,823	78,650	97,473	
Post SW Average Rate \$/th	\$0.07081	\$0.02648	\$0.03504	

EFBA amounts \$000	\$0	\$0	\$0
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SUMMARY of Pre & Post SW revenue & rates w/FFU w/EFBA:

Pre SW Total Revenue Tier 1 & 2 w/FFU \$000	\$1,495	\$1,576	\$3,071
Post SW Total Revenue Tier 1 & 2 w/FFU \$000	\$1,333	\$2,083	\$3,416
Total SW Adjustment w/FFU \$000	(\$162)	\$507	\$345

Calculation of EFBA fee

				Source
Costs allocated to EG class \$000	\$0	\$0	\$0	EG Detail Alloc
EG Non-Exempt Volumes Mth/yr	17,246	73,089	90,335	EG Detail Alloc
Cost Adder for Non-Exempt EG-D Customers	\$0.00000	\$0.00000	\$0.00000	

SDG&E NCCI Detail Cost Allocation
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Source	Allocation Method
Embedded Costs:						
Customer Related Costs	\$451	\$386	\$64	\$451	CA Model	
Medium Pressure Distribution Costs	\$980	\$980	\$0	\$980	CA Model	
High Pressure Distribution Costs	\$151	\$151	\$0	\$151	CA Model	
Backbone Transmission Costs	\$1,217	\$840	\$377	\$1,217	CA Model	
Local Transmission Costs	\$0	\$0	\$0	\$0	CA Model	
Storage - Borrego	\$0	\$0	\$0	\$0	CA Model	
Core Seasonal Storage	\$0	\$0	\$0	\$0	CA Model	
Storage - Load Balancing	\$0	\$0	\$0	\$0	CA Model	
NGV	\$0	\$0	\$0	\$0	CA Model	
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$2,799	\$2,358	\$442	\$2,799		
Less Backbone Transmission Costs	(\$1,217)	(\$840)	(\$377)	(\$1,217)		
Less Local Transmission Costs	\$0	\$0	\$0	\$0		
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$0	\$0	\$0	\$0		
Plus Local Transmission Costs w/SI,FFU	\$191	\$132	\$59	\$191	Cost Alloc	%CYPM
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,773	\$1,649	\$124	\$1,773		
Other Operating Costs and Revenues						
SCG Transport excl Core Storge & Load Balance \$000	\$114	\$79	\$35	\$114	Cost Alloc	%AYTP
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
SCG Load Balancing Allocated to ALL SDGE \$000	\$56	\$38	\$17	\$56	Cost Alloc	%CYPM
n/a	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
LUAF	\$179	\$124	\$56	\$179	Cost Alloc	%AYTP
Company Use Gas: Other	\$4	\$3	\$1	\$4	Cost Alloc	%AYTP
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
n/a	\$0	\$0	\$0	\$0	Cost Alloc	0%
n/a	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
n/a	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
Core Averaging	\$0	\$0	\$0	\$0	Cost Alloc	0%
Subtotal Other Operating Costs and Revenues	\$353	\$244	\$110	\$353		

SDG&E NCCI Detail Cost Allocation
 2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Total %	NCCI-D	NCCI-T
Embedded Costs:			
Customer Related Costs			
Medium Pressure Distribution Costs			
High Pressure Distribution Costs			
Backbone Transmission Costs			
Local Transmission Costs			
Storage - Borrego			
Core Seasonal Storage			
Storage - Load Balancing			
NGV			
Total Margin Allocation pre-SI, pre-BTS Unbnidle w/FFU			
Less Backbone Transmission Costs			
Less Local Transmission Costs			
Plus Backbone Transmission Costs w/SI, FFU w/oFAR			
Plus Local Transmission Costs w/SI,FFU	100.0%	69.0%	31.0%
<hr/> Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU <hr/>			
Other Operating Costs and Revenues			
SCG Transport excl Core Storge & Load Balance \$000	100.0%	69.0%	31.0%
SCG Core Seasonal Storage	100.0%	69.0%	31.0%
SCG Load Balancing Allocated to ALL SDGE \$000	100.0%	69.0%	31.0%
n/a	100.0%	69.0%	31.0%
LUAF	100.0%	69.0%	31.0%
Company Use Gas: Other	100.0%	69.0%	31.0%
AMI rev req incl FF&U AL 1693-G	100.0%	93.0%	7.0%
n/a	0.0%	0.0%	0.0%
n/a	100.0%	69.0%	31.0%
n/a	100.0%	93.0%	7.0%
Core Averaging	0.0%	0.0%	0.0%
<hr/> Subtotal Other Operating Costs and Revenues <hr/>			

SDG&E NCCI Detail Cost Allocation
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Source	Allocation Method
Regulatory Accounts						
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
Baseline Balance BA	\$0	\$0	\$0	\$0	Cost Alloc	100% Res
CFCA -Margin Only	\$0	\$0	\$0	\$0	Cost Alloc	ECPT-Core
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	Cost Alloc	ECPT-Core
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	Cost Alloc	ECPT-Core
CA Solar Initiative Balancing Acct CSIBA	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	Cost Alloc	ECPT-Core
Hazardous Substance Cleanup Cost Acct HSCCA	(\$40)	(\$28)	(\$12)	(\$40)	Cost Alloc	%AYTP
Interim Call Ctr Memo Acct. (ICCMA)	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
NFCA -Margin Only	\$3,899	\$3,627	\$272	\$3,899	Cost Alloc	%EPAM
NFCA -Nonmargin Other	\$114	\$79	\$35	\$114	Cost Alloc	%AYTP
NFCA -Nonmargin SCG	\$172	\$119	\$53	\$172	Cost Alloc	%AYTP
NGVA	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
PBOPBA	(\$2)	(\$2)	(\$0)	(\$2)	Cost Alloc	%EPAM
Pension BA	\$9	\$8	\$1	\$9	Cost Alloc	%EPAM
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
Rewards & Penalties Bal Acct RPBA	\$4	\$3	\$0	\$4	Cost Alloc	%EPAM
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
SGPMA - Rev Req for NEXT Year	\$6	\$5	\$0	\$6	Cost Alloc	%EPAM
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
Integrated Transmission Margin ITBA	(\$26)	(\$18)	(\$8)	(\$26)	Cost Alloc	%CYTP
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	Cost Alloc	%CYTP
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
CSI Thermal Program memorandum Account	\$191	\$127	\$63	\$191	Cost Alloc	% AYTP CSITMA NonExem
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	Cost Alloc	%EPAM
Total Regulatory Accounts	\$4,326	\$3,922	\$405	\$4,326		
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$6,452	\$5,815	\$638	\$6,452		
AVERAGE YEAR THROUGHPUT, Mth/yr	48,633	33,562	15,070	48,633	Cost Alloc	
Average Rate \$/th	\$0.13268	\$0.17325	\$0.04231	\$0.13268		
FFU Rate	102.31%	102.31%	102.31%		Cost Alloc	

SDG&E NCCI Detail Cost Allocation
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Total %	NCCI-D	NCCI-T
Regulatory Accounts			
Adv Mtring Infrastructure Balancing Acct AMIBA	100.0%	93.0%	7.0%
On-Bill Financing Balancing Account (OBFBA)	100.0%	93.0%	7.0%
Baseline Balance BA	0.0%	0.0%	0.0%
CFCA -Margin Only	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	0.0%	0.0%	0.0%
CFCA -Nonmargin SCG	0.0%	0.0%	0.0%
CA Solar Initiative Balancing Acct CSIBA	100.0%	93.0%	7.0%
Environmental Fee Balance Account EFBA	100.0%	69.0%	31.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	100.0%	93.0%	7.0%
FERC Settlement Proceeds MA	100.0%	93.0%	7.0%
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	100.0%	69.0%	31.0%
Interim Call Ctr Memo Acct. (ICCMA)	100.0%	93.0%	7.0%
Natural Gas Supp Refund Track Acct	100.0%	69.0%	31.0%
NFCA -Margin Only	100.0%	93.0%	7.0%
NFCA -Nonmargin Other	100.0%	69.0%	31.0%
NFCA -Nonmargin SCG	100.0%	69.0%	31.0%
NGVA	100.0%	69.0%	31.0%
Non-Core Gas Storage Balancing Acct GSBA-NC	100.0%	69.0%	31.0%
PBOPBA	100.0%	93.0%	7.0%
Pension BA	100.0%	93.0%	7.0%
RD&D 1-Way Bal Acct (Pre-2001)	100.0%	69.0%	31.0%
Rewards & Penalties Bal Acct RPBA	100.0%	93.0%	7.0%
Self Gen Memo Acct - SGPMA-CSI	100.0%	93.0%	7.0%
Self Gen Memo Acct - SGPMA-NonCSI	100.0%	93.0%	7.0%
SGPMA - Rev Req for NEXT Year	100.0%	93.0%	7.0%
Gain/Loss on Sale Memo Acct GLOSMA	100.0%	93.0%	7.0%
Integrated Transmission Margin ITBA	100.0%	69.0%	31.0%
Integrated Transmission Nonmargin ITBA	100.0%	69.0%	31.0%
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	100.0%	93.0%	7.0%
CSI Thermal Program memoradum Account	100.0%	66.7%	33.3%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	100.0%	93.0%	7.0%
Z-Factor Memorandum Account	100.0%	93.0%	7.0%
Total Regulatory Accounts			

Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr

AVERAGE YEAR THROUGHPUT, Mth/yr
Average Rate \$/th
FFU Rate

SDG&E NCCI Detail Cost Allocation
 2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Source	Allocation Method
Semptra Wide & TLS Adjustments::						
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr						
SW NGV Adjustment						
SW EG Adjustment						
TLS Adjustment						
Amount allocated to TLS Class \$000						
TLS revenue paid by class @ average TLS rate \$000						
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr						
Rate Tables						
difference						
AYTP Mth/yr						
Average Rate w/oBTS \$/th						
Rate Tables						
difference						
BTS w/FFU Charge \$000	\$787	\$543	\$244	\$787	Cost Alloc	%CYTP
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr	\$7,239	\$6,358	\$881	\$7,239		

Calculation of Allocation Factors	NCCI Total	NCCI-D	NCCI-T	Source	Allocation Method
# Customers	63	54	9	Alloc factors	%Customers
AYTP	48,633	33,562	15,070	Alloc factors	%AYTP
CYTP	48,633	33,562	15,070	Alloc factors	%CYTP
CYPM	4,123	2,845	1,278	Alloc factors	%CYPM
CYPM Dist Only	2,845	2,845	0		%CYPM Dist Only
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,773	\$1,649	\$124		%EPAM
AYTP NonExempt Volumes Mth/yr:					
AYTP Mth/yr	48,633	33,562	15,070		
exempt volumes Mth/yr	(3,343)	(3,343)	0	Alloc factors	
AYTP NonExempt Volumes Mth/yr	45,290	30,219	15,070		% AYTP CSITMA NonExem

SDG&E NCCI Detail Cost Allocation
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Total %	NCCI-D	NCCI-T
Sempra Wide & TLS Adjustments::			
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr			
SW NGV Adjustment			
SW EG Adjustment			
TLS Adjustment			
Amount allocated to TLS Class \$000			
TLS revenue paid by class @ average TLS rate \$000			
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr			
Rate Tables			
difference			
AYTP Mth/yr			
Average Rate w/oBTS \$/th			
Rate Tables			
difference			
BTS w/FFU Charge \$000	100.0%	69.0%	31.0%
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr			

Calculation of Allocation Factors	Total %	NCCI-D	NCCI-T
# Customers	100.0%	85.7%	14.3%
AYTP	100.0%	69.0%	31.0%
CYTP	100.0%	69.0%	31.0%
CYPM	100.0%	69.0%	31.0%
CYPM Dist Only	100.0%	100.0%	0.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	100.0%	93.0%	7.0%
AYTP NonExempt Volumes Mth/yr:			
AYTP Mth/yr			
exempt volumes Mth/yr			
AYTP NonExempt Volumes Mth/yr	100.0%	66.7%	33.3%

SDG&E EG Detail Cost Allocation
 2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Embedded Costs:							
Customer Related Costs	\$341	\$92	\$433	(\$38)	(\$761)	\$1,231	\$433
Medium Pressure Distribution Costs	\$279	\$298	\$577	\$279	\$298	\$0	\$577
High Pressure Distribution Costs	\$84	\$356	\$440	\$84	\$356	\$0	\$440
Backbone Transmission Costs	\$1,004	\$15,662	\$16,667	\$471	\$1,969	\$14,227	\$16,667
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$1,708	\$16,408	\$18,116	\$796	\$1,862	\$15,458	\$18,116
Less Backbone Transmission Costs	(\$1,004)	(\$15,662)	(\$16,667)	(\$471)	(\$1,969)	(\$14,227)	(\$16,667)
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$105	\$2,720	\$2,825	\$73	\$310	\$2,442	\$2,825
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$808	\$3,466	\$4,275	\$397	\$204	\$3,673	\$4,275
Other Operating Costs and Revenues							
SCG Transport excl Core Storage & Load Balance \$000	\$94	\$1,471	\$1,566	\$44	\$185	\$1,336	\$1,566
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SCG Load Balancing Allocated to ALL SDGE \$000	\$46	\$714	\$760	\$20	\$83	\$657	\$760
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LUAF	\$148	\$2,307	\$2,455	\$69	\$290	\$2,095	\$2,455
Company Use Gas: Other	\$3	\$54	\$58	\$2	\$7	\$49	\$58
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Averaging	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$292	\$4,546	\$4,838	\$135	\$565	\$4,138	\$4,838

SDG&E EG Detail Cost Allocation
 2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Source	Allocation Method	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
Embedded Costs:						
Customer Related Costs	Cost Alloc					
Medium Pressure Distribution Costs	Cost Alloc					
High Pressure Distribution Costs	Cost Alloc					
Backbone Transmission Costs	Cost Alloc					
Local Transmission Costs	Cost Alloc					
Storage - Borrego	Cost Alloc					
Core Seasonal Storage	Cost Alloc					
Storage - Load Balancing	Cost Alloc					
NGV	Cost Alloc					
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU						
Less Backbone Transmission Costs						
Less Local Transmission Costs						
Plus Backbone Transmission Costs w/SI, FFU w/oFAR						
Plus Local Transmission Costs w/SI,FFU	Cost Alloc	%CYPM	100.0%	2.6%	11.0%	86.4%
<hr/> Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU <hr/>						
Other Operating Costs and Revenues						
SCG Transport excl Core Storage & Load Balance \$000	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
SCG Core Seasonal Storage	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
SCG Load Balancing Allocated to ALL SDGE \$000	Cost Alloc	%CYPM	100.0%	2.6%	11.0%	86.4%
n/a	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
LUAF	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
Company Use Gas: Other	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
AMI rev req incl FF&U AL 1693-G	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
n/a	Cost Alloc	0%	0.0%	0.0%	0.0%	0.0%
n/a	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
n/a	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Core Averaging	Cost Alloc	0%	0.0%	0.0%	0.0%	0.0%
Subtotal Other Operating Costs and Revenues						

SDG&E EG Detail Cost Allocation
 2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Regulatory Accounts							
Adv Mtrng Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CA Solar Initiative Balancing Acct CSIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	(\$33)	(\$517)	(\$550)	(\$16)	(\$65)	(\$469)	(\$550)
Interim Call Ctr Memo Acct. (ICCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	\$1,778	\$7,623	\$9,401	\$874	\$448	\$8,079	\$9,401
NFCA -Nonmargin Other	\$94	\$1,471	\$1,566	\$44	\$185	\$1,336	\$1,566
NFCA -Nonmargin SCG	\$142	\$2,212	\$2,354	\$67	\$278	\$2,009	\$2,354
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	(\$1)	(\$4)	(\$4)	(\$0)	(\$0)	(\$4)	(\$4)
Pension BA	\$4	\$17	\$21	\$2	\$1	\$18	\$21
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$2	\$7	\$9	\$1	\$0	\$7	\$9
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	\$3	\$11	\$14	\$1	\$1	\$12	\$14
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	(\$21)	(\$333)	(\$354)	(\$10)	(\$42)	(\$302)	(\$354)
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCCRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$1,967	\$10,489	\$12,456	\$963	\$807	\$10,687	\$12,456
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$3,067	\$18,502	\$21,569	\$1,495	\$1,576	\$18,498	\$21,569
AVERAGE YEAR THROUGHPUT, Mth/yr	40,128	625,692	665,820	18,823	78,650	568,347	665,820
Average Rate \$/th	\$0.07643	\$0.02957	\$0.03239	\$0.07943	\$0.02003	\$0.03255	\$0.03239
FFU Rate	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%

SDG&E EG Detail Cost Allocation
 2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Source	Allocation Method	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
Regulatory Accounts						
Adv Miring Infrastructure Balancing Acct AMIBA	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
On-Bill Financing Balancing Account (OBFBA)	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Baseline Balance BA	Cost Alloc	100% Res	0.0%	0.0%	0.0%	0.0%
CFCA -Margin Only	Cost Alloc	ECPT-Core	0.0%	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	Cost Alloc	ECPT-Core	0.0%	0.0%	0.0%	0.0%
CFCA -Nonmargin SCG	Cost Alloc	ECPT-Core	0.0%	0.0%	0.0%	0.0%
CA Solar Initiative Balancing Acct CSIBA	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Environmental Fee Balance Account EFBFA	Cost Alloc	ECPT excluding exempt EG	100.0%	9.2%	39.0%	51.8%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
FERC Settlement Proceeds MA	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Core Gas Storage Balancing Acct. GSBA-C	Cost Alloc	ECPT-Core	0.0%	0.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
Interim Call Ctr Memo Acct. (ICCMA)	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Natural Gas Supp Refund Track Acct	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
NFCA -Margin Only	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
NFCA -Nonmargin Other	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
NFCA -Nonmargin SCG	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
NGVA	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
Non-Core Gas Storage Balancing Acct GSBA-NC	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
PBOPBA	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Pension BA	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
RD&D 1-Way Bal Acct (Pre-2001)	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
Rewards & Penalties Bal Acct RPBFA	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Self Gen Memo Acct - SGPMA-CSI	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Self Gen Memo Acct - SGPMA-NonCSI	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
SGPMA - Rev Req for NEXT Year	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Gain/Loss on Sale Memo Acct GLOSMA	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Integrated Transmission Margin ITBA	Cost Alloc	%CYTP	100.0%	2.8%	11.8%	85.4%
Integrated Transmission Nonmargin ITBA	Cost Alloc	%CYTP	100.0%	2.8%	11.8%	85.4%
General Rate Case Revenue Requirement Memorandum Account (GRCCRMA)	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
CSI Thermal Program memorandum Account	Cost Alloc	%AYTP	100.0%	2.8%	11.8%	85.4%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Z-Factor Memorandum Account	Cost Alloc	%EPAM	100.0%	9.3%	4.8%	85.9%
Total Regulatory Accounts						
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr						
AVERAGE YEAR THROUGHPUT, Mth/yr	Cost Alloc					
Average Rate \$/th						
FFU Rate	Cost Alloc					

SDG&E EG Detail Cost Allocation
 2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Sempra Wide & TLS Adjustments::							
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr							
SW NGV Adjustment							
SW EG Adjustment							
TLS Adjustment							
Amount allocated to TLS Class \$000							
TLS revenue paid by class @ average TLS rate \$000							
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr							
Rate Tables							
difference							
AYTP Mth/yr							
Average Rate w/oBTS \$/th							
Rate Tables							
difference							
BTS w/FFU Charge \$000	\$649	\$10,122	\$10,771	\$305	\$1,272	\$9,194	\$10,771
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$3,716	\$28,624	\$32,340	\$1,800	\$2,848	\$27,693	\$32,340

Calculation of Allocation Factors	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T
# Customers	66	40	6	20
AYTP	665,820	18,823	78,650	568,347
AYTP Distribution Only	97,473	18,823	78,650	0
CYTP	665,820	18,823	78,650	568,347
CYPM	60,987	1,575	6,696	52,716
CYPM Dist Only	8,271	1,575	6,696	0
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$4,275	\$397	\$204	\$3,673
EPMC Dist Only	\$601	\$397	\$204	\$0

Allocator for California Air Resources Board AB 32 Admin Fee:	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T
AYTP Mth/yr all customers Mth/y	665,820	18,823	78,650	568,347
Less: AB32Fees Exempt Customers Mth/y	(478,222)	(1,577)	(5,561)	(471,084)
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	187,598	17,246	73,089	97,263

SDG&E EG Detail Cost Allocation
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Source	Allocation Method	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr						
SW NGV Adjustment						
SW EG Adjustment						
TLS Adjustment						
Amount allocated to TLS Class \$000						
TLS revenue paid by class @ average TLS rate \$000						
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr						
Rate Tables difference						
AYTP Mth/yr						
Average Rate w/oBTS \$/th						
Rate Tables difference						
BTS w/FFU Charge \$000	Cost Alloc	%CYTP	100.0%	2.8%	11.8%	85.4%
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr						

Calculation of Allocation Factors	Source	Allocation Method	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
# Customers	Alloc factors	%Customers	100.0%	60.6%	9.1%	30.4%
AYTP	Alloc factors	%AYTP	100.0%	2.8%	11.8%	85.4%
AYTP Distribution Only		%AYTP Dist Only	100.0%	19.3%	80.7%	0.0%
CYTP	Alloc factors	%CYTP	100.0%	2.8%	11.8%	85.4%
CYPM	Alloc factors	%CYPM	100.0%	2.6%	11.0%	86.4%
CYPM Dist Only		%CYPM Dist Only	100.0%	19.0%	81.0%	0.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU		%EPAM	100.0%	9.3%	4.8%	85.9%
EPAM Dist Only		EPAM Dist Only	100.0%	66.1%	33.9%	0.0%

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y						
Less: AB32Fees Exempt Customers Mth/y						
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	% ECPT	AB32 Fee Non-Exemp	100.00%	9.2%	39.0%	51.8%

**San Diego Gas & Electric
City of San Diego Franchise Fee Differential
Development of Annual Gas Percentage Factors**

AP SDGE RD Model - 2/22/2013 Update Filing

A	2010 Revenue				SDFFD FACTOR
	City of San Diego		Total System		
	Applicable SD Revs b/	SDFFD Revenues	w/o SDFFD a/	with SDFFD	
B	C	D	E	F	
	(in 000s)	(in 000s)	(in 000s)	(in 000s)	
Schedule		1.030% c/			
Single Family (GR)	\$102,043	\$1,051	\$240,094	\$241,145	0.438%
Single Family Low Income (GR-LI)	20,829	215	46,935	\$47,150	0.457%
Multi Family (GM/GS/GT)	25,576	263	52,992	\$53,256	0.497%
LNG Fac. Chg. (GL-1)	0	-	70	\$70	0.000%
Res Aggreg Trans (GTAGTC)	240	2	361	\$364	0.684%
Total Core Residential	\$148,688	\$1,531	\$340,453	\$341,984	0.450%
Small Commercial (GN-1\3)	56,642	583	104,571	\$105,154	0.558%
NGV Vehicles (NGV)	321	3	1,658	\$1,661	0.199%
Comm Aggreg Trans (GTARC)	4,558	47	7,928	\$7,975	0.592%
Total Core Commercial	\$61,520	\$634	\$114,157	\$114,790	0.555%
TOTAL CORE	\$210,208	\$2,165	\$454,609	\$456,775	0.476%
Noncore Noncogen Com. (GPNC)	0	-	(66)	(\$66)	0.000%
Power Plant	0	-	6,633	\$6,633	0.000%
NonCogen Trans. (GTNC)	2,538	26	3,773	\$3,799	0.693%
Cogen Trans. (GTCG\EG) (excl. Rosarito)	3,238	33	9,737	\$9,771	0.343%
TOTAL NONCORE	\$5,776	\$59	20,077	\$20,137	0.296%
TOTAL GAS	\$215,984	\$2,225	\$474,687	\$476,911	0.469%

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	\$136,330	\$66	\$12,927	\$149,323
Medium Pressure Distribution Costs	\$46,871	\$160	\$12,598	\$59,629
High Pressure Distribution Costs	\$4,829	\$65	\$1,331	\$6,225
Backbone Transmission Costs	\$7,658	\$316	\$3,475	\$11,449
Local Transmission Costs	\$5,785	\$135	\$1,921	\$7,841
Storage - Borrego	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
NGV	\$0	\$89	\$0	\$89
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$201,473	\$830	\$32,252	\$234,555
Less Backbone Transmission Costs	(\$7,658)	(\$316)	(\$3,475)	(\$11,449)
Less Local Transmission Costs	(\$5,785)	(\$135)	(\$1,921)	(\$7,841)
Plus Local Transmission Costs w/SI,FFU	\$4,286	\$100	\$1,423	\$5,809
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$192,315	\$479	\$28,279	\$221,074

Other Operating Costs and Revenues	Add FFU Y or N?	Amount to Allocate (w/o F&U)				
SCG Transport excl Core Storge & Load Balance \$000	Y	\$4,435	\$1,216	\$57	\$592	\$1,865
SCG Core Seasonal Storage	Y	\$6,748	\$5,442	\$0	\$1,463	\$6,904
SCG Load Balancing Allocated to ALL SDGE \$000	Y	\$1,452	\$398	\$19	\$194	\$611
Co Use Transmission w/FFU \$000						
LUAF	Y	\$4,847	\$1,908	\$89	\$929	\$2,926
Company Use Gas: Other	Y	\$166	\$46	\$2	\$22	\$70
AMI rev req incl FF&U AL 1693-G	Y	\$0	\$0	\$0	\$0	\$0
n/a	Y	\$0	\$0	\$0	\$0	\$0
n/a	Y	\$0	\$0	\$0	\$0	\$0
n/a	Y	\$0	\$0	\$0	\$0	\$0
Core Averaging	N	(\$1,570)	(\$1,570)	\$0	\$1,570	\$0
Subtotal Other Operating Costs and Revenues		\$16,079	\$7,439	\$167	\$4,770	\$12,376

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	\$1,860	\$834	\$341	\$1,175	\$3,035	\$152,357
Medium Pressure Distribution Costs	\$966	\$595	\$0	\$595	\$1,561	\$61,189
High Pressure Distribution Costs	\$221	\$109	\$629	\$739	\$960	\$7,185
Backbone Transmission Costs	\$838	\$699	\$13,299	\$13,998	\$14,836	\$26,285
Local Transmission Costs	\$361	\$368	\$6,051	\$6,419	\$6,780	\$14,621
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$89
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$4,245	\$2,605	\$20,320	\$22,925	\$27,171	\$261,726
Less Backbone Transmission Costs	(\$838)	(\$699)	(\$13,299)	(\$13,998)	(\$14,836)	(\$26,285)
Less Local Transmission Costs	(\$361)	(\$368)	(\$6,051)	(\$6,419)	(\$6,780)	(\$14,621)
Plus Local Transmission Costs w/SI,FFU	\$267	\$273	\$4,483	\$4,755	\$5,023	\$10,832
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$3,314	\$1,811	\$5,453	\$7,264	\$10,578	\$231,652

Other Operating Costs and Revenues							F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storge & Load Balance \$000	\$151	\$126	\$2,395	\$2,521	\$2,672	\$4,537	\$102	\$4,435
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$6,904	\$156	\$6,748
SCG Load Balancing Allocated to ALL SDGE \$000	\$49	\$41	\$785	\$826	\$875	\$1,486	\$34	\$1,452
Co Use Transmission w/FFU \$000								
LUAF	\$115	\$96	\$1,823	\$1,918	\$2,033	\$4,959	\$112	\$4,847
Company Use Gas: Other	\$6	\$5	\$90	\$95	\$100	\$170	\$4	\$166
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Averaging	\$0	\$0	\$0	\$0	\$0	\$0	\$1,570	(\$1,570)
Subtotal Other Operating Costs and Revenues	\$321	\$268	\$5,092	\$5,360	\$5,681	\$18,057	\$1,978	\$16,079

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Allocation %					EG <3 mmth/yr	
			Total System	Res	NGV	Core C&I	Total Core		NCCI
Embedded Costs:									
Customer Related Costs	EC Model	Upd, & SAPC							
Medium Pressure Distribution Costs	EC Model	Upd, & SAPC							
High Pressure Distribution Costs	EC Model	Upd, & SAPC							
Backbone Transmission Costs	EC Model	Upd, & SAPC							
Local Transmission Costs	EC Model	Upd, & SAPC							
Storage - Borrego	EC Model	Upd, & SAPC							
Core Seasonal Storage	EC Model	Upd, & SAPC							
Storage - Load Balancing	EC Model	Upd, & SAPC							
NGV	EC Model	Upd, & SAPC							
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Less Backbone Transmission Costs									
Less Local Transmission Costs									
Plus Local Transmission Costs w/SI,FFU	SCG/ SI & FAR								
<hr/> Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU <hr/>									
Other Operating Costs and Revenues									
SCG Transport excl Core Storge & Load Balance \$000	SCG RD Model/RUN	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
SCG Core Seasonal Storage	SCG RD Model/RUN	% CYPD MP Res & CCI	100.0%	78.8%	0.0%	21.2%	100.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	SCG RD Model/RUN	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
Co Use Transmission w/FFU \$000									
LUAF	Misc Inputs	Method #3 - 65% core @ ECPT / 35%	100.0%	38.5%	1.8%	18.7%	59.0%	2.3%	1.9%
Company Use Gas: Other	Misc Inputs	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
AMI rev req incl FF&U AL 1693-G	Misc Inputs, AL 1693-G	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
n/a			0.0%						
n/a			0.0%						
n/a			0.0%						
Core Averaging	Misc Input	Res & CCI	0.0%	100.0%	0.0%	-100.0%	0.0%	0.0%	0.0%
Subtotal Other Operating Costs and Revenues									

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
Embedded Costs:			
Customer Related Costs			
Medium Pressure Distribution Costs			
High Pressure Distribution Costs			
Backbone Transmission Costs			
Local Transmission Costs			
Storage - Borrego			
Core Seasonal Storage			
Storage - Load Balancing			
NGV			
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU			
Less Backbone Transmission Costs			
Less Local Transmission Costs			
 Plus Local Transmission Costs w/SI,FFU			
<hr/> Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU <hr/>			

Other Operating Costs and Revenues

SCG Transport excl Core Storge & Load Balance \$000	52.8%	0.0%	58.9%
SCG Core Seasonal Storage	0.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	52.8%	0.0%	58.9%
Co Use Transmission w/FFU \$000			
LUAF	36.8%	38.7%	41.0%
Company Use Gas: Other	52.8%	0.0%	58.9%
AMI rev req incl FF&U AL 1693-G	2.4%	0.0%	4.6%
n/a			
n/a			
n/a			
Core Averaging	0.0%	0.0%	0.0%
<hr/> Subtotal Other Operating Costs and Revenues <hr/>			

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's			Res	NGV	Core C&I	Total Core
Regulatory Accounts						
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	(\$6,202)	(\$5,268)	(\$13)	(\$775)	(\$6,056)
On-Bill Financing Balancing Account (OBFBA)	Y	\$150	\$127	\$0	\$19	\$146
Baseline Balance BA	Y	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	Y	(\$13,621)	(\$9,087)	(\$425)	(\$4,424)	(\$13,936)
CFCA -Nonmargin Other	Y	\$2,831	\$1,888	\$88	\$919	\$2,896
CFCA -Nonmargin SCG	Y	\$2,471	\$1,648	\$77	\$802	\$2,528
CA Solar Initiative Balancing Acct CSIBA	Y	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	Y		\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)			\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	Y	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	Y	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	Y	\$1,316	\$361	\$17	\$176	\$554
Interim Call Ctr Memo Acct. (ICCMA)	Y	\$0	\$0	\$0	\$0	\$0
Natural Gas Supp Refund Track Acct	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	\$3,743	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	Y	\$310	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG	Y	\$522	\$0	\$0	\$0	\$0
NGVA	Y	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	Y	\$0	\$0	\$0	\$0	\$0
PBOPBA	Y	(\$234)	(\$199)	(\$0)	(\$29)	(\$229)
Pension BA	Y	\$1,155	\$981	\$2	\$144	\$1,128
RD&D 1-Way Bal Acct (Pre-2001)	Y	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	\$2,375	\$2,018	\$5	\$297	\$2,319
Self Gen Memo Acct - SGPMA-CSI	Y	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	\$755	\$642	\$2	\$94	\$737
Gain/Loss on Sale Memo Acct GLOSMA	Y	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	Y	(\$802)	(\$239)	(\$10)	(\$109)	(\$358)
Integrated Transmission Nonmargin ITBA	Y	(\$22)	(\$7)	(\$0)	(\$3)	(\$10)
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Y	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	Y	\$678	\$390	\$23	\$225	\$638
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Y	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	Y	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts		(\$4,575)	(\$6,744)	(\$234)	(\$2,663)	(\$9,641)
Transport Rev Req w/SI, FFU w/o FAR Rev, SW adj, TLS \$000/yr			\$193,011	\$412	\$30,387	\$223,809
AVERAGE YEAR THROUGHPUT, Mth/yr			326,003	15,238	158,725	499,967
Average Rate \$/th			\$0.59205	\$0.02704	\$0.19144	\$0.44765
FFU Rate			102.31%	102.31%	102.31%	102.31%

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	(\$91)	(\$50)	(\$149)	(\$199)	(\$290)	(\$6,345)	(\$143)	(\$6,202)
On-Bill Financing Balancing Account (OBFBA)	\$2	\$1	\$4	\$5	\$7	\$153	\$3	\$150
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	(\$13,936)	(\$315)	(\$13,621)
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$2,896	\$65	\$2,831
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$2,528	\$57	\$2,471
CA Solar Initiative Balancing Acct CSIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	\$45	\$37	\$711	\$748	\$793	\$1,347	\$30	\$1,316
Interim Call Ctr Memo Acct. (ICCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	\$1,200	\$656	\$1,974	\$2,630	\$3,830	\$3,830	\$86	\$3,743
NFCA -Nonmargin Other	\$18	\$15	\$285	\$300	\$317	\$317	\$7	\$310
NFCA -Nonmargin SCG	\$30	\$25	\$478	\$504	\$534	\$534	\$12	\$522
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	(\$3)	(\$2)	(\$6)	(\$8)	(\$11)	(\$240)	(\$5)	(\$234)
Pension BA	\$17	\$9	\$28	\$37	\$54	\$1,182	\$27	\$1,155
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$35	\$19	\$57	\$76	\$111	\$2,430	\$55	\$2,375
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	\$11	\$6	\$18	\$24	\$35	\$773	\$17	\$755
Gain/Loss on Sale Memo Acct GLOSMa	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	(\$26)	(\$22)	(\$415)	(\$437)	(\$463)	(\$821)	(\$19)	(\$802)
Integrated Transmission Nonmargin ITBA	(\$1)	(\$1)	(\$11)	(\$12)	(\$13)	(\$22)	(\$1)	(\$22)
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	\$56	\$0	\$0	\$0	\$56	\$694	\$16	\$678
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$1,292	\$695	\$2,973	\$3,668	\$4,960	(\$4,681)	(\$106)	(\$4,575)
Transport Rev Req w/SI, FFU w/o FAR Rev, SW adj, TLS \$000/yr	\$4,927	\$2,773	\$13,519	\$16,292	\$21,219	\$245,028		
AVERAGE YEAR THROUGHPUT, Mth/yr	40,463	33,749	642,167	675,916	716,379	1,216,345		
Average Rate \$/th	\$0.12176	\$0.08217	\$0.02105	\$0.02410	\$0.02962	\$0.20145		
FFU Rate	102.31%	102.31%	102.31%	102.31%	102.31%	102.31%		

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Allocation %						
			Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
On-Bill Financing Balancing Account (OBFBA)	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Baseline Balance BA	Reg. Acct. filing 10-2011	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
CFCA -Margin Only	Reg. Acct. filing 10-2011	ECPT-Core	100.0%	65.2%	3.0%	31.7%	100.0%	0.0%	0.0%
CFCA -Nonmargin Other	Reg. Acct. filing 10-2011	ECPT-Core	100.0%	65.2%	3.0%	31.7%	100.0%	0.0%	0.0%
CFCA -Nonmargin SCG	Reg. Acct. filing 10-2011	ECPT-Core	100.0%	65.2%	3.0%	31.7%	100.0%	0.0%	0.0%
CA Solar Initiative Balancing Acct CSIBA	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Environmental Fee Balance Account EFBA	Reg. Acct. filing 10-2011	Calif ARB Admin Fee	100.0%	44.2%	2.1%	21.5%	67.7%	5.5%	3.5%
Distribution Integrity Management Program Memorandum Account (DIMPBA)									
FERC Settlement Proceeds MA	Reg. Acct. filing 10-2011	CAT allocation	100.0%	1.0%	0.0%	99.0%	100.0%	0.0%	0.0%
Core Gas Storage Balancing Acct. GSBA-C	Reg. Acct. filing 10-2011	ECPT-Core	100.0%	65.2%	3.0%	31.7%	100.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	Reg. Acct. filing 10-2011	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
Interim Call Ctr Memo Acct. (ICCMA)	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Natural Gas Supp Refund Track Acct	Reg. Acct. filing 10-2011	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
NFCA -Margin Only	Reg. Acct. filing 10-2011	EPAM Noncore Only	100.0%	0.0%	0.0%	0.0%	0.0%	31.3%	17.1%
NFCA -Nonmargin Other	Reg. Acct. filing 10-2011	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	5.6%	4.7%
NFCA -Nonmargin SCG	Reg. Acct. filing 10-2011	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	5.6%	4.7%
NGVA	Reg. Acct. filing 10-2011	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
Non-Core Gas Storage Balancing Acct GSBA-NC	Reg. Acct. filing 10-2011	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	5.6%	4.7%
PBOPBA	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Pension BA	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
RD&D 1-Way Bal Acct (Pre-2001)	Reg. Acct. filing 10-2011	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
Rewards & Penalties Bal Acct RPBA	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Self Gen Memo Acct - SGPMA-CSI	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Self Gen Memo Acct - SGPMA-NonCSI	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
SGPMA - Rev Req for NEXT Year	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Gain/Loss on Sale Memo Acct GLOSMA	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Integrated Transmission Margin ITBA	Reg. Acct. filing 10-2011	CYTP	100.0%	29.1%	1.2%	13.2%	43.6%	3.2%	2.7%
Integrated Transmission Nonmargin ITBA	Reg. Acct. filing 10-2011	CYTP	100.0%	29.1%	1.2%	13.2%	43.6%	3.2%	2.7%
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
CSI Thermal Program memoradum Account	Reg. Acct. filing 10-2011	ECPT ex CARE, EG, Cost. Exempt	100.0%	56.2%	3.3%	32.5%	92.0%	8.0%	0.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Z-Factor Memorandum Account	Reg. Acct. filing 10-2011	EPAM	100.0%	83.0%	0.2%	12.2%	95.4%	1.4%	0.8%
Total Regulatory Accounts									
Transport Rev Req w/SI, FFU w/o FAR Rev, SW adj, TLS \$000/yr									
AVERAGE YEAR THROUGHPUT, Mth/yr									
Average Rate \$/th									
FFU Rate			MISC Inputs						

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
Regulatory Accounts			
Adv Mtring Infrastructure Balancing Acct AMIBA	2.4%	0.0%	4.6%
On-Bill Financing Balancing Account (OBFBFA)	2.4%	0.0%	4.6%
Baseline Balance BA	0.0%	0.0%	0.0%
CFCA -Margin Only	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	0.0%	0.0%	0.0%
CFCA -Nonmargin SCG	0.0%	0.0%	0.0%
CA Solar Initiative Balancing Acct CSIBA	2.4%	0.0%	4.6%
Environmental Fee Balance Account EFBA	23.3%	26.8%	32.3%
Distribution Integrity Management Program Memorandum Account (DIMPBA)			
FERC Settlement Proceeds MA	0.0%	0.0%	0.0%
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	52.8%	0.0%	58.9%
Interim Call Ctr Memo Acct. (ICCMA)	2.4%	0.0%	4.6%
Natural Gas Supp Refund Track Acct	52.8%	0.0%	58.9%
NFCA -Margin Only	51.6%	68.7%	100.0%
NFCA -Nonmargin Other	89.6%	0.0%	100.0%
NFCA -Nonmargin SCG	89.6%	0.0%	100.0%
NGVA	52.8%	0.0%	58.9%
Non-Core Gas Storage Balancing Acct GSBA-NC	89.6%	0.0%	100.0%
PBOPBA	2.4%	0.0%	4.6%
Pension BA	2.4%	0.0%	4.6%
RD&D 1-Way Bal Acct (Pre-2001)	52.8%	0.0%	58.9%
Rewards & Penalties Bal Acct RPBA	2.4%	0.0%	4.6%
Self Gen Memo Acct - SGPMA-CSI	2.4%	0.0%	4.6%
Self Gen Memo Acct - SGPMA-NonCSI	2.4%	0.0%	4.6%
SGPMA - Rev Req for NEXT Year	2.4%	0.0%	4.6%
Gain/Loss on Sale Memo Acct GLOSMA	2.4%	0.0%	4.6%
Integrated Transmission Margin ITBA	50.6%	0.0%	56.4%
Integrated Transmission Nonmargin ITBA	50.6%	0.0%	56.4%
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	2.4%	0.0%	4.6%
CSI Thermal Program memoradum Account	0.0%	0.0%	8.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	2.4%	0.0%	4.6%
Z-Factor Memorandum Account	2.4%	0.0%	4.6%
Total Regulatory Accounts			
Transport Rev Req w/SI, FFU w/o FAR Rev, SW adj, TLS \$000/yr			
AVERAGE YEAR THROUGHPUT, Mth/yr			
Average Rate \$/th			
FFU Rate			

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU w/o FAR Rev, SW adj, TLS \$000/yr	\$193,011	\$412	\$30,387	\$223,809
SW NGV Adjustment		\$593		\$593
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
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o FAR Rev \$000/yr	\$193,011	\$1,005	\$30,387	\$224,402
<i>Rate Tables</i>	<i>\$193,011</i>	<i>\$1,005</i>	<i>\$30,387</i>	<i>\$224,402</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	326,003	15,238	158,725	499,967
Average Rate w/oFAR \$/th	\$0.59205	\$0.06597	\$0.19144	\$0.44883
<i>Rate Tables</i>	<i>\$0.59205</i>	<i>\$0.06597</i>	<i>\$0.19144</i>	<i>\$0.44883</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
BTS w/FFU Charge \$000	\$4,114	\$192	\$2,003	\$6,310
Transport Rev Req w/Sl, FFU, SW adj, TLS, FAR Rev \$000/yr	\$197,125	\$1,198	\$32,390	\$230,712
Average Rate w/ FAR \$/th	\$0.60467	\$0.07859	\$0.20406	\$0.46146

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Sempre Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o FAR Rev, SW adj, TLS \$000/yr	\$4,927			\$16,292	\$21,219	\$245,028
SW NGV Adjustment					\$0	\$593
SW EG Adjustment				\$90	\$90	\$90
TLS Adjustment						
Amount allocated to TLS Class \$000	(\$394)			(\$11,163)	(\$11,556)	(\$11,556)
TLS revenue paid by class @ average TLS rate \$000	\$60			\$8,532	\$8,592	\$8,592
	(\$334)			(\$2,630)	(\$2,964)	(\$2,964)
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o FAR Rev \$000/yr	\$4,593			\$13,752	\$18,345	\$242,747
<i>Rate Tables difference</i>	<i>\$4,593</i>			<i>\$13,752</i>	<i>\$18,345</i>	<i>\$242,747</i>
	\$0			\$0	\$0	\$0
AYTP Mth/yr	40,463			675,916	716,379	1,216,345
Average Rate w/oFAR \$/th	\$0.11350			\$0.02035	\$0.02561	\$0.19957
<i>Rate Tables difference</i>	<i>\$0.11350</i>			<i>\$0.02035</i>	<i>\$0.02561</i>	<i>\$0.19957</i>
	\$0.00000			\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$511	\$426	\$8,105	\$8,531	\$9,041	\$15,351
Transport Rev Req w/Sl, FFU, SW adj, TLS, FAR Rev \$000/yr	\$5,103			\$22,283	\$27,386	\$258,098
Average Rate w/ FAR \$/th	\$0.12612			\$0.03297	\$0.03823	\$0.21219

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Allocation %						
			Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Sempra Wide & TLS Adjustments::									
Transport Rev Req w/SI, FFU w/o FAR Rev, SW adj, TLS \$000/yr									
SW NGV Adjustment									
SW EG Adjustment									
TLS Adjustment									
Amount allocated to TLS Class \$000									
TLS revenue paid by class @ average TLS rate \$000									
<hr/> Transport Rev Req w/SI, FFU, SW adj, TLS w/o FAR Rev \$000/yr <hr/>									
Rate Tables difference		Cost Alloc							
<hr/>									
AYTP Mth/yr									
Average Rate w/oFAR \$/th									
Rate Tables difference		Cost Alloc							
<hr/>									
BTS w/FFU Charge \$000		SCG/ Local & BBT							
Transport Rev Req w/SI, FFU, SW adj, TLS, FAR Rev \$000/yr									
Average Rate w/ FAR \$/th									

SDG&E Cost Allocation

SDGE RD Model v12-29-2011

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
Sempra Wide & TLS Adjustments::			
Transport Rev Req w/SI, FFU w/o FAR Rev, SW adj, TLS \$000/yr			
SW NGV Adjustment			
SW EG Adjustment			
TLS Adjustment			
Amount allocated to TLS Class \$000			
TLS revenue paid by class @ average TLS rate \$000			
<hr/>			
Transport Rev Req w/SI, FFU, SW adj, TLS w/o FAR Rev \$000/yr			
<i>Rate Tables</i>			
<i>difference</i>			
<hr/>			
AYTP Mth/yr			
Average Rate w/oFAR \$/th			
<i>Rate Tables</i>			
<i>difference</i>			
<hr/>			
BTS w/FFU Charge \$000			
Transport Rev Req w/SI, FFU, SW adj, TLS, FAR Rev \$000/yr			
Average Rate w/ FAR \$/th			

SDGE Reconcile Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	\$13,554	(\$29)	\$4,126	\$17,651
Medium Pressure Distribution Costs	(\$5,943)	\$311	(\$65)	(\$5,698)
High Pressure Distribution Costs	(\$203)	(\$10)	\$125	(\$88)
Backbone Transmission Costs	\$867	(\$25)	\$1,298	\$2,140
Local Transmission Costs	(\$5,785)	(\$135)	(\$1,921)	(\$7,841)
Storage - Borrego	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
NGV	\$0	\$91	\$0	\$91
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$2,489	\$203	\$3,563	\$6,255
Less Backbone Transmission Costs	(\$867)	\$25	(\$1,298)	(\$2,140)
Less Local Transmission Costs	\$5,785	\$135	\$1,921	\$7,841
Plus Local Transmission Costs w/SI,FFU	(\$1,925)	(\$52)	(\$476)	(\$2,453)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$5,483	\$310	\$3,710	\$9,503

Other Operating Costs and Revenues	Add FFU Y or N?	Amount to Allocate (w/o F&U)	Res	NGV	Core C&I	Total Core
SCG Transport excl Core Storage & Load Balance \$000	Y	(\$1,639)	(\$492)	(\$30)	(\$163)	(\$684)
SCG Core Seasonal Storage	Y	(\$934)	(\$933)	\$16	(\$39)	(\$956)
SCG Load Balancing Allocated to ALL SDGE \$000	Y	(\$95)	(\$47)	(\$5)	\$15	(\$38)
Co Use Transmission w/FFU \$000		\$0	\$0	\$0	\$0	\$0
LUAF	Y	\$1,432	\$416	(\$2)	\$450	\$864
Company Use Gas: Other	Y	(\$63)	(\$19)	(\$1)	(\$6)	(\$26)
AMI rev req incl FF&U AL 1693-G	Y	\$0	\$0	\$0	\$0	\$0
n/a	Y	\$0	\$0	\$0	\$0	\$0
n/a	Y	\$0	\$0	\$0	\$0	\$0
n/a	Y	\$0	\$0	\$0	\$0	\$0
Core Averaging	N	\$1,570	\$1,570	\$0	(\$1,570)	\$0
Subtotal Other Operating Costs and Revenues		\$271	\$496	(\$22)	(\$1,314)	(\$840)

SDGE Reconcile Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	(\$1,409)	(\$493)	(\$250)	(\$742)	(\$2,152)	\$15,499
Medium Pressure Distribution Costs	\$14	(\$316)	\$298	(\$19)	(\$5)	(\$5,703)
High Pressure Distribution Costs	(\$70)	(\$26)	(\$273)	(\$299)	(\$368)	(\$456)
Backbone Transmission Costs	\$379	\$306	\$2,364	\$2,669	\$3,049	\$5,189
Local Transmission Costs	(\$361)	(\$368)	(\$6,051)	(\$6,419)	(\$6,780)	(\$14,621)
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$91
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	(\$1,446)	(\$897)	(\$3,912)	(\$4,809)	(\$6,255)	(\$0)
Less Backbone Transmission Costs	(\$379)	(\$306)	(\$2,364)	(\$2,669)	(\$3,049)	(\$5,189)
Less Local Transmission Costs	\$361	\$368	\$6,051	\$6,419	\$6,780	\$14,621
Plus Local Transmission Costs w/SI,FFU	(\$76)	(\$168)	(\$1,762)	(\$1,930)	(\$2,006)	(\$4,459)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$1,541)	(\$1,002)	(\$1,987)	(\$2,989)	(\$4,530)	\$4,972

Other Operating Costs and Revenues							F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storage & Load Balance \$000	(\$37)	(\$32)	(\$924)	(\$956)	(\$992)	(\$1,677)	(\$38)	(\$1,639)
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	(\$956)	(\$22)	(\$934)
SCG Load Balancing Allocated to ALL SDGE \$000	\$6	\$5	(\$70)	(\$66)	(\$60)	(\$97)	(\$2)	(\$95)
Co Use Transmission w/FFU \$000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LUAF	\$64	\$52	\$484	\$536	\$601	\$1,465	\$33	\$1,432
Company Use Gas: Other	(\$1)	(\$1)	(\$36)	(\$37)	(\$38)	(\$65)	(\$1)	(\$63)
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Averaging	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,570)	\$1,570
Subtotal Other Operating Costs and Revenues	\$33	\$24	(\$546)	(\$522)	(\$489)	(\$1,329)	(\$1,600)	\$271

SDGE Reconcile Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's			Res	NGV	Core C&I	Total Core
Regulatory Accounts						
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	\$6,202	\$5,268	\$13	\$775	\$6,056
On-Bill Financing Balancing Account (OBFBA)	Y	(\$150)	(\$127)	(\$0)	(\$19)	(\$146)
Baseline Balance BA	Y	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	Y	\$4,767	\$3,532	\$215	\$1,130	\$4,877
CFCA -Nonmargin Other	Y	\$1,138	\$602	\$6	\$558	\$1,165
CFCA -Nonmargin SCG	Y	(\$428)	(\$366)	(\$29)	(\$42)	(\$437)
CA Solar Initiative Balancing Acct CSIBA	Y	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	Y	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	Y	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	Y	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	Y	(\$2,298)	(\$615)	(\$26)	(\$327)	(\$968)
Interim Call Ctr Memo Acct. (ICCMA)	Y	\$0	\$0	\$0	\$0	\$0
Interstate Transition Cost Surcharge Acct ITCSA	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	\$9,257	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	Y	\$1,332	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG	Y	\$1,947	\$0	\$0	\$0	\$0
NGVA	Y	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	Y	\$0	\$0	\$0	\$0	\$0
PBOPBA	Y	\$0	(\$1)	(\$0)	(\$3)	(\$4)
Pension BA	Y	\$0	\$7	\$1	\$15	\$24
RD&D 1-Way Bal Acct (Pre-2001)	Y	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	(\$1,913)	(\$1,622)	(\$3)	(\$233)	(\$1,859)
Self Gen Memo Acct - SGPMA-CSI	Y	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	(\$0)	\$4	\$1	\$10	\$15
Gain/Loss on Sale Memo Acct GLOSMA	Y	\$0	\$0	\$0	\$0	\$0
Integrated Transmission ITBA	Y	\$148	\$58	\$4	\$7	\$69
Natural Gas Supp Refund Track Acct	Y	\$22	\$7	\$0	\$3	\$10
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Y	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	Y	\$1,272	\$631	\$26	\$509	\$1,166
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Y	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	Y	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts		\$21,296	\$7,375	\$207	\$2,383	\$9,966
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr						
AVERAGE YEAR THROUGHPUT, Mth/yr			(18,162)	(3,632)	23,870	2,075
Average Rate \$/th			\$0.07831	\$0.05118	\$0.00114	\$0.03525
FFU Rate			0.00%	0.00%	0.00%	0.00%

SDGE Reconcile Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	\$91	\$50	\$149	\$199	\$290	\$6,345	\$143	\$6,202
On-Bill Financing Balancing Account (OBFBA)	(\$2)	(\$1)	(\$4)	(\$5)	(\$7)	(\$153)	(\$3)	(\$150)
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$4,877	\$110	\$4,767
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$1,165	\$26	\$1,138
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	(\$437)	(\$10)	(\$428)
CA Solar Initiative Balancing Acct CSIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	(\$85)	(\$71)	(\$1,228)	(\$1,298)	(\$1,383)	(\$2,351)	(\$53)	(\$2,298)
Interim Call Ctr Memo Acct. (ICCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interstate Transition Cost Surcharge Acct ITCSA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	\$2,699	\$1,122	\$5,649	\$6,772	\$9,471	\$9,471	\$214	\$9,257
NFCA -Nonmargin Other	\$96	\$79	\$1,187	\$1,266	\$1,362	\$1,362	\$31	\$1,332
NFCA -Nonmargin SCG	\$142	\$117	\$1,734	\$1,850	\$1,992	\$1,992	\$45	\$1,947
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	\$2	\$1	\$2	\$3	\$5	\$0	\$0	\$0
Pension BA	(\$8)	(\$5)	(\$11)	(\$16)	(\$24)	\$0	\$0	\$0
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	(\$31)	(\$17)	(\$50)	(\$68)	(\$99)	(\$1,958)	(\$44)	(\$1,913)
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	(\$5)	(\$3)	(\$7)	(\$10)	(\$16)	(\$0)	(\$0)	(\$0)
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission ITBA	\$0	\$0	\$82	\$83	\$83	\$152	\$3	\$148
Natural Gas Supp Refund Track Acct	\$1	\$1	\$11	\$12	\$13	\$22	\$1	\$22
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	\$135	\$0	\$0	\$0	\$135	\$1,301	\$29	\$1,272
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$3,034	\$1,272	\$7,516	\$8,788	\$11,823	\$21,788	\$492	\$21,296
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$1,526	\$294	\$4,983	\$5,277	\$6,803	\$25,431		
AVERAGE YEAR THROUGHPUT, Mth/yr	8,170	6,379	(16,475)	(10,096)	(1,926)	149		
Average Rate \$/th	\$0.01092	(\$0.00574)	\$0.00852	\$0.00829	\$0.00960	\$0.02088		
FFU Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		

SDGE Reconcile Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$13,354	\$496	\$4,779	\$18,628
SW NGV Adjustment	\$0	(\$656)	\$0	(\$656)
SW EG Adjustment	\$0	\$0	\$0	\$0
TLS Adjustment				
Amount allocated to TLS Class \$000	\$0	\$0	\$0	\$0
TLS revenue paid by class @ average TLS rate \$000	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$13,354	(\$161)	\$4,779	\$17,972
<i>Rate Tables difference</i>	<i>\$13,354</i>	<i>(\$161)</i>	<i>\$4,779</i>	<i>\$17,972</i>
	\$0	\$0	\$0	\$0
AYTP Mth/yr	(18,162)	(3,632)	23,870	2,075
Average Rate w/oBTS \$/th	\$0.07831	\$0.00680	\$0.00114	\$0.03394
<i>Rate Tables difference</i>	<i>\$0.07831</i>	<i>\$0.00680</i>	<i>\$0.00114</i>	<i>\$0.03394</i>
	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$1,395	(\$5)	\$1,082	\$2,472
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr	\$14,749	(\$165)	\$5,860	\$20,444
Average Rate w/ BTS \$/th	\$0.08359	\$0.01035	\$0.00542	\$0.03881

SDGE Reconcile Cost Allocation

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$1,526	\$0	\$0	\$5,277	\$6,803	\$25,431
SW NGV Adjustment	\$0	\$0	\$0	\$0	\$0	(\$656)
SW EG Adjustment	\$0	\$0	\$0	\$255	\$255	\$255
TLS Adjustment						
Amount allocated to TLS Class \$000	(\$244)	\$0	\$0	(\$7,336)	(\$7,580)	(\$7,580)
TLS revenue paid by class @ average TLS rate \$000	\$192	\$0	\$0	(\$1,427)	(\$1,235)	(\$1,235)
	(\$52)	\$0	\$0	(\$8,763)	(\$8,815)	(\$8,815)
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$1,474	\$0	\$0	(\$3,232)	(\$1,758)	\$16,214
<i>Rate Tables difference</i>	<i>\$1,474</i>	<i>\$0</i>	<i>\$0</i>	<i>(\$3,232)</i>	<i>(\$1,758)</i>	<i>\$16,214</i>
	\$0	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr	8,170	0	0	(10,096)	(1,926)	149
Average Rate w/oBTS \$/th	\$0.01124	\$0.00000	\$0.00000	(\$0.00454)	(\$0.00239)	\$0.01330
<i>Rate Tables difference</i>	<i>\$0.01124</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>(\$0.00454)</i>	<i>(\$0.00239)</i>	<i>\$0.01330</i>
	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$276	\$223	\$2,017	\$2,241	\$2,517	\$4,989
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$1,750	\$0	\$0	(\$991)	\$759	\$21,203
Average Rate w/ BTS \$/th	\$0.01480	\$0.00000	\$0.00000	(\$0.00099)	\$0.00117	\$0.01740

SDGEgas Residential Bill Impact
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Notes:

- 1) Transport rate as of 1/2012.
- 2) G-CP rate from gas price forecast testimony of Mr. Emmrich
- 3) PPPS rate as of 1/2012 for non-care customer
- 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.
- 6) Month Average = annual \$amount/12 and Monthly Avg Rate = \$amount/#therms.

	5-yr average SF winter peak month	5-yr average SF summer month (may-oct)	Monthly Class Average	Annual Charges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SDGEgas Residential - Proposed Rates (no customer chg.):																
Customer Charge \$/mo =	\$0.00000	\$0.00000	\$0.00000		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BL Rate \$/th =	\$0.63376	\$0.63376	\$0.63376		\$0.63376	\$0.63376	\$0.63376	\$0.63376	\$0.63376	\$0.63376	\$0.63376	\$0.63376	\$0.63376	\$0.63376	\$0.63376	\$0.63376
NBL Rate \$/th =	\$0.78640	\$0.78640	\$0.78640		\$0.78640	\$0.78640	\$0.78640	\$0.78640	\$0.78640	\$0.78640	\$0.78640	\$0.78640	\$0.78640	\$0.78640	\$0.78640	\$0.78640
G-CPG \$/th =	\$0.43200	\$0.43200	\$0.43200		\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200
PPPS \$/th =	\$0.07985	\$0.07985	\$0.07985		\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985
G-SRF \$/th =	\$0.00068	\$0.00068	\$0.00068		\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068
BL Usage limit th/day =	1.546	0.493	1.0195		1.546	1.546	1.546	1.546	0.493	0.493	0.493	0.493	0.493	0.493	1.546	1.546
# days in month =	31	31	30.42	365.00	31	28	31	30	31	30	31	31	30	31	30	31
BL usage limit th/mo =	48	15	30.75	369.00	48	43	48	46	15	15	15	15	15	15	46	48
Total th used th/mo =	54	18	33.00	396.00	45	45	45	45	21	21	21	21	21	21	45	45
BL therms =	48.00	15.00	29.99	359.88	45.38	43.00	45.38	45.38	15.00	15.00	15.00	15.00	15.00	15.00	45.38	45.38
NBL therms =	5.67	3.32	3.01	36.13	0.00	2.38	0.00	0.00	5.63	5.63	5.63	5.63	5.63	5.63	0.00	0.00
Customer Charge \$/mo =	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BL charges \$/mo =	\$30.42	\$9.51	\$19.01	\$228.08	\$28.76	\$27.25	\$28.76	\$28.76	\$9.51	\$9.51	\$9.51	\$9.51	\$9.51	\$9.51	\$28.76	\$28.76
NBL charge \$/mo =	\$4.46	\$2.61	\$2.37	\$28.41	\$0.00	\$1.87	\$0.00	\$0.00	\$4.42	\$4.42	\$4.42	\$4.42	\$4.42	\$4.42	\$0.00	\$0.00
Commodity Charge \$/mo =	\$23.19	\$7.91	\$14.26	\$171.07	\$19.60	\$19.60	\$19.60	\$19.60	\$8.91	\$8.91	\$8.91	\$8.91	\$8.91	\$8.91	\$19.60	\$19.60
PPPS charge \$/mo =	\$4.29	\$1.46	\$2.64	\$31.62	\$3.62	\$3.62	\$3.62	\$3.62	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$3.62	\$3.62
G-PUC Regulatory Fee \$/mo =	\$0.04	\$0.01	\$0.02	\$0.27	\$0.03	\$0.03	\$0.03	\$0.03	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.03	\$0.03
Total Charge \$/mo =	\$62.39	\$21.51	\$38.29	\$459.45	\$52.01	\$52.38	\$52.01	\$52.01	\$24.50	\$24.50	\$24.50	\$24.50	\$24.50	\$24.50	\$52.01	\$52.01

	5-yr average SF winter peak month	5-yr average SF summer month (may-oct)	Monthly Class Average	Annual Charges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SDGEgas Residential - Proposed Rates (w/customer chg.):																
Customer Charge \$/mo =	\$5.00000	\$5.00000	\$0.16438		\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000
BL Rate \$/th =	\$0.43312	\$0.43312	\$0.43312		\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312
NBL Rate \$/th =	\$0.69312	\$0.69312	\$0.69312		\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312
G-CPG \$/th =	\$0.43200	\$0.43200	\$0.43200		\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200
PPPS \$/th =	\$0.07985	\$0.07985	\$0.07985		\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985
G-SRF \$/th =	\$0.00068	\$0.00068	\$0.00068		\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068
BL Usage limit th/day =	1.546	0.493	1.0195		1.546	1.546	1.546	1.546	0.493	0.493	0.493	0.493	0.493	0.493	1.546	1.546
# days in month =	31	31	30.42	365.00	31	28	31	30	31	30	31	31	30	31	30	31
BL usage limit th/mo =	48	15	30.75	369.00	48	43	48	46	15	15	15	15	15	15	46	48
Total th used th/mo =	54	18	33.00	396.00	45	45	45	45	21	21	21	21	21	21	45	45
BL therms =	48.00	15.00	29.99	359.88	45.38	43.00	45.38	45.38	15.00	15.00	15.00	15.00	15.00	15.00	45.38	45.38
NBL therms =	5.67	3.32	3.01	36.13	0.00	2.38	0.00	0.00	5.63	5.63	5.63	5.63	5.63	5.63	0.00	0.00
Customer Charge \$/mo =	\$5.00	\$5.00	\$5.00	\$60.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
BL charges \$/mo =	\$20.79	\$6.50	\$12.99	\$155.87	\$19.65	\$18.62	\$19.65	\$19.65	\$6.50	\$6.50	\$6.50	\$6.50	\$6.50	\$6.50	\$19.65	\$19.65
NBL charge \$/mo =	\$3.93	\$2.30	\$2.09	\$25.04	\$0.00	\$1.65	\$0.00	\$0.00	\$3.90	\$3.90	\$3.90	\$3.90	\$3.90	\$3.90	\$0.00	\$0.00
Commodity Charge \$/mo =	\$23.19	\$7.91	\$14.26	\$171.07	\$19.60	\$19.60	\$19.60	\$19.60	\$8.91	\$8.91	\$8.91	\$8.91	\$8.91	\$8.91	\$19.60	\$19.60
PPPS charge \$/mo =	\$4.29	\$1.46	\$2.64	\$31.62	\$3.62	\$3.62	\$3.62	\$3.62	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$3.62	\$3.62
G-PUC Regulatory Fee \$/mo =	\$0.04	\$0.01	\$0.02	\$0.27	\$0.03	\$0.03	\$0.03	\$0.03	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.03	\$0.03
Total Charge \$/mo =	\$57.23	\$23.19	\$36.99	\$443.87	\$47.91	\$48.53	\$47.91	\$47.91	\$25.97	\$25.97	\$25.97	\$25.97	\$25.97	\$25.97	\$47.91	\$47.91
Increase (decrease) \$/month	(\$5.16)	\$1.68	(\$1.30)	(\$15.58)	(\$4.10)	(\$3.85)	(\$4.10)	(\$4.10)	\$1.47	\$1.47	\$1.47	\$1.47	\$1.47	\$1.47	(\$4.10)	(\$4.10)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
(\$4.10)	(\$3.85)	(\$4.10)	(\$4.10)	\$1.47	\$1.47	\$1.47	\$1.47	\$1.47	\$1.47	(\$4.10)	(\$4.10)

SDGEgas Residential Bill Impact
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

- Notes:**
 1) Transport rate as of 1/2012.
 2) G-CP rate from gas price forecast testimony of Mr. Emmrich
 3) PPPS rate as of 1/2012 for non-care customer
 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.
 6) Month Average = annual \$amount/12 and Monthly Avg Rate = \$amount/#therms.

	5-yr average SF winter peak month	5-yr average SF summer month (may-oct)	Monthly Class Average	Annual Charges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SDGEgas Residential - Current Rates:																
Customer Charge \$/mo =	\$0.00000	\$0.00000	\$0.00000		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BL Rate \$/th =	\$0.55599	\$0.55599	\$0.55599		\$0.55599	\$0.55599	\$0.55599	\$0.55599	\$0.55599	\$0.55599	\$0.55599	\$0.55599	\$0.55599	\$0.55599	\$0.55599	\$0.55599
NBL Rate \$/th =	\$0.70083	\$0.70083	\$0.70083		\$0.70083	\$0.70083	\$0.70083	\$0.70083	\$0.70083	\$0.70083	\$0.70083	\$0.70083	\$0.70083	\$0.70083	\$0.70083	\$0.70083
G-CPC \$/th =	\$0.43200	\$0.43200	\$0.43200		\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200
PPPS \$/th =	\$0.07985	\$0.07985	\$0.07985		\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985
G-SRF \$/th =	\$0.00068	\$0.00068	\$0.00068		\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068
BL Usage limit th/day =	1,546	0,493	1,0195		1,546	1,546	1,546	1,546	0,493	0,493	0,493	0,493	0,493	0,493	1,546	1,546
# days in month =	31	31	30,42	365,00	31	28	31	30	31	30	31	31	30	31	30	31
BL usage limit th/mo =	48	15	30,75	369,00	48	43	48	46	15	15	15	15	15	15	46	48
Total th used th/mo =	54	18	33,00	396,00	45	45	45	45	21	21	21	21	21	21	45	45
BL therms =	48,00	15,00	29,99	359,88	45,38	43,00	45,38	45,38	15,00	15,00	15,00	15,00	15,00	15,00	45,38	45,38
NBL therms =	5,67	3,32	3,01	36,13	0,00	2,38	0,00	0,00	5,63	5,63	5,63	5,63	5,63	5,63	0,00	0,00
Customer Charge \$/mo =	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BL charges \$/mo =	\$26.69	\$8.34	\$16.67	\$200.09	\$25.23	\$23.91	\$25.23	\$25.23	\$8.34	\$8.34	\$8.34	\$8.34	\$8.34	\$8.34	\$25.23	\$25.23
NBL charge \$/mo =	\$3.98	\$2.33	\$2.11	\$25.32	\$0.00	\$1.66	\$0.00	\$0.00	\$3.94	\$3.94	\$3.94	\$3.94	\$3.94	\$3.94	\$0.00	\$0.00
Commodity Charge \$/mo =	\$23.19	\$7.91	\$14.26	\$171.07	\$19.60	\$19.60	\$19.60	\$19.60	\$8.91	\$8.91	\$8.91	\$8.91	\$8.91	\$8.91	\$19.60	\$19.60
PPPS charge \$/mo =	\$4.29	\$1.46	\$2.64	\$31.62	\$3.62	\$3.62	\$3.62	\$3.62	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$3.62	\$3.62
G-PUC Regulatory Fee \$/mo =	\$0.04	\$0.01	\$0.02	\$0.27	\$0.03	\$0.03	\$0.03	\$0.03	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.03	\$0.03
Total Charge \$/mo =	\$58.17	\$20.06	\$35.70	\$428.37	\$48.48	\$48.83	\$48.48	\$48.48	\$22.85	\$22.85	\$22.85	\$22.85	\$22.85	\$22.85	\$48.48	\$48.48

SDGEgas Residential - Proposed Rates:																
Customer Charge \$/mo =	\$5.00000	\$5.00000	\$0.16438		\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000	\$5.00000
BL Rate \$/th =	\$0.43312	\$0.43312	\$0.43312		\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312	\$0.43312
NBL Rate \$/th =	\$0.69312	\$0.69312	\$0.69312		\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312	\$0.69312
G-CPC \$/th =	\$0.43200	\$0.43200	\$0.43200		\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200
PPPS \$/th =	\$0.07985	\$0.07985	\$0.07985		\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985	\$0.07985
G-SRF \$/th =	\$0.00068	\$0.00068	\$0.00068		\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068
BL Usage limit th/day =	1,546	0,493	1,0195		1,546	1,546	1,546	1,546	0,493	0,493	0,493	0,493	0,493	0,493	1,546	1,546
# days in month =	31	31	30,42	365,00	31	28	31	30	31	30	31	31	30	31	30	31
BL usage limit th/mo =	48	15	30,75	369,00	48	43	48	46	15	15	15	15	15	15	46	48
Total th used th/mo =	54	18	33,00	396,00	45	45	45	45	21	21	21	21	21	21	45	45
BL therms =	48,00	15,00	29,99	359,88	45,38	43,00	45,38	45,38	15,00	15,00	15,00	15,00	15,00	15,00	45,38	45,38
NBL therms =	5,67	3,32	3,01	36,13	0,00	2,38	0,00	0,00	5,63	5,63	5,63	5,63	5,63	5,63	0,00	0,00
Customer Charge \$/mo =	\$5.00	\$5.00	\$5.00	\$60.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
BL charges \$/mo =	\$20.79	\$6.50	\$12.99	\$155.87	\$19.65	\$18.62	\$19.65	\$19.65	\$6.50	\$6.50	\$6.50	\$6.50	\$6.50	\$6.50	\$19.65	\$19.65
NBL charge \$/mo =	\$3.93	\$2.30	\$2.09	\$25.04	\$0.00	\$1.65	\$0.00	\$0.00	\$3.90	\$3.90	\$3.90	\$3.90	\$3.90	\$3.90	\$0.00	\$0.00
Commodity Charge \$/mo =	\$23.19	\$7.91	\$14.26	\$171.07	\$19.60	\$19.60	\$19.60	\$19.60	\$8.91	\$8.91	\$8.91	\$8.91	\$8.91	\$8.91	\$19.60	\$19.60
PPPS charge \$/mo =	\$4.29	\$1.46	\$2.64	\$31.62	\$3.62	\$3.62	\$3.62	\$3.62	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$1.65	\$3.62	\$3.62
G-PUC Regulatory Fee \$/mo =	\$0.04	\$0.01	\$0.02	\$0.27	\$0.03	\$0.03	\$0.03	\$0.03	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.03	\$0.03
Total Charge \$/mo =	\$57.23	\$23.19	\$36.99	\$443.87	\$47.91	\$48.53	\$47.91	\$47.91	\$25.97	\$25.97	\$25.97	\$25.97	\$25.97	\$25.97	\$47.91	\$47.91

Increase (decrease) from Current Rates \$/n	(\$0.94)	\$3.13	\$1.29	\$15.50												
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SDG&E Commercial Bill Impact
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Notes:

- 1) G-CP rate from 10/2010 Reg. Acct. update
- 2) PPPS rate for non-care customer. Current rate in 2011.
- 3) G-SRF rate in 2011
- 4) Month Average = annual \$amount/12 and Monthly Avg Rate = \$amount/#therms.

	Typical Winter Month (nov-apr)	Typical Summer Month (may-oct)	Monthly Average	Annual Charges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SDG&E Core C&I - Current Rates:																
Customer Charge \$/mo. =	\$10.00	\$10.00	\$10.00		\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 Rate \$/th =	\$0.24472	\$0.24472	\$0.24472		\$0.24472	\$0.24472	\$0.24472	\$0.24472	\$0.24472	\$0.24472	\$0.24472	\$0.24472	\$0.24472	\$0.24472	\$0.24472	\$0.24472
Tier 2 Rate \$/th =	\$0.11314	\$0.11314	\$0.11314		\$0.11314	\$0.11314	\$0.11314	\$0.11314	\$0.11314	\$0.11314	\$0.11314	\$0.11314	\$0.11314	\$0.11314	\$0.11314	\$0.11314
Tier 3 Rate \$/th =	\$0.07598	\$0.07598	\$0.07598		\$0.07598	\$0.07598	\$0.07598	\$0.07598	\$0.07598	\$0.07598	\$0.07598	\$0.07598	\$0.07598	\$0.07598	\$0.07598	\$0.07598
G-CPC \$/th =	\$0.43200	\$0.43200	\$0.43200		\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200
PPPS \$/th =	\$0.11770	\$0.11770	\$0.11770		\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770
G-PUC Regulatory fee \$/th =	\$0.00068	\$0.00068	\$0.00068		\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068
Effective Average Rate \$/th	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843	\$0.82843
# days in month =	30	30	30	365	31	28	31	30	31	30	31	31	30	31	30	31
Tier Usage Limits (i.e. maximum # of therms charged at each tier):																
Tier 1 usage limit th/mo =	1,000	1,000	1,000	12,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Tier 2 usage limit th/mo =	21,000	21,000	21,000	252,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Tier 3 no limit																
Total th used th/mo =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300
Tier 1 therms =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300
therms remaining to be classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tier 2 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tier 3 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
therms accounted for	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300
Customer Charge \$/mo =	\$10	\$10	\$10	\$120	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 charges \$/mo =	\$73.42	\$73.42	\$73	\$881	\$73.42	\$73.42	\$73.42	\$73.42	\$73.42	\$73.42	\$73.42	\$73.42	\$73.42	\$73.42	\$73.42	\$73.42
Tier 2 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$129.60	\$129.60	\$130	\$1,555	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60
PPPS charge \$/mo =	\$35.31	\$35.31	\$35	\$424	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31
G-PUC Regulatory Fee \$/mo =	\$0.20	\$0.20	\$0	\$2	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20
Total Charge \$/mo =	\$248.53	\$248.53	\$249	\$2,982	\$248.53	\$248.53	\$248.53	\$248.53	\$248.53	\$248.53	\$248.53	\$248.53	\$248.53	\$248.53	\$248.53	\$248.53

SDG&E Commercial Bill Impact
2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Notes:

- 1) G-CP rate from 10/2010 Reg. Acct. update
- 2) PPPS rate for non-care customer. Current rate in 2011.
- 3) G-SRF rate in 2011
- 4) Month Average = annual \$amount/12 and Monthly Avg Rate = \$amount/#therms.

	Typical Winter Month (nov- apr)	Typical Summer Month (may- oct)	Monthly Average	Annual Charges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SDG&E Core C&I - Proposed Rates:																
Customer Charge Tier 1 \$/day =	\$10.00	\$10.00	\$0.32877		\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 Rate \$/th =	\$0.24788	\$0.24788	\$0.24788		\$0.24788	\$0.24788	\$0.24788	\$0.24788	\$0.24788	\$0.24788	\$0.24788	\$0.24788	\$0.24788	\$0.24788	\$0.24788	\$0.24788
Tier 2 Rate \$/th =	\$0.11599	\$0.11599	\$0.11599		\$0.11599	\$0.11599	\$0.11599	\$0.11599	\$0.11599	\$0.11599	\$0.11599	\$0.11599	\$0.11599	\$0.11599	\$0.11599	\$0.11599
Tier 3 Rate \$/th =	\$0.07873	\$0.07873	\$0.07873		\$0.07873	\$0.07873	\$0.07873	\$0.07873	\$0.07873	\$0.07873	\$0.07873	\$0.07873	\$0.07873	\$0.07873	\$0.07873	\$0.07873
G-CPC \$/th =	\$0.43200	\$0.43200	\$0.43200		\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200	\$0.43200
PPPS \$/th =	\$0.11770	\$0.11770	\$0.11770		\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770	\$0.11770
G-PUC Regulatory fee \$/th =	\$0.00068	\$0.00068	\$0.00068		\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068
Effective Average Rate \$/th	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160	\$0.83160
# days in month =	30	30	30	365	31	28	31	30	31	30	31	31	30	31	30	31
Tier Usage Limits (i.e. maximum # of therms charged at each tier):																
Tier 1 usage limit th/mo =	1,000	1,000	1,000	12,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Tier 2 usage limit th/mo =	21,000	21,000	21,000	252,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Tier 3 no limit																
Total th used th/mo =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300
Tier 1 therms =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300
therms remaining to be classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tier 2 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tier 3 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
therms accounted for	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300
Customer Charge \$/mo =	\$10	\$10	\$10	\$120	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 charges \$/mo =	\$74.36	\$74.36	\$74	\$892	\$74.36	\$74.36	\$74.36	\$74.36	\$74.36	\$74.36	\$74.36	\$74.36	\$74.36	\$74.36	\$74.36	\$74.36
Tier 2 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$129.60	\$129.60	\$130	\$1,555	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60	\$129.60
PPPS charge \$/mo =	\$35.31	\$35.31	\$35	\$424	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31	\$35.31
G-PUC Regulatory Fee \$/mo =	\$0.20	\$0.20	\$0	\$2	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20
Total Charge \$/mo =	\$249.48	\$249.48	\$249	\$2,994	\$249.48	\$249.48	\$249.48	\$249.48	\$249.48	\$249.48	\$249.48	\$249.48	\$249.48	\$249.48	\$249.48	\$249.48
Increase (decrease) from Current Rates \$/month	\$0.95	\$0.95	\$0.95	\$11.39												
% Increase (decrease) from Current	0.4%	0.4%	0.4%	0.4%												

SDGE - Transfer Data and Other Requirements to RUN Rate Design model

2013TCAP SDGE RD Model - 2/22/2013 Update Filing

Copy Values	Copy To (paste values)			Data From	Data To
	Copy From				
Base Line Rate \$/th= blr based on DIFFERENCE CAP	\$0.00000	\$0.42891	\$0.42891	Res Rate	Res Rate
Base Line Rate \$/th= blr based on RATIO	\$0.00000	\$0.37389	\$0.37389	Res Rate	Res Rate

Data From SCG RD Model	Model / Source
Allocated Local T under SI w/FFU \$000 Res	\$2,361 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 NGV	\$48 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 Core C&I	\$947 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 Total Core	\$3,356 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 NCCI	\$191 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 EG Tier 1	\$105 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 EG Tier 2	\$2,720 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 Total EG	\$2,825 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 Total NonCore	\$3,016 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 System Total	\$6,372 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Res	\$4,910 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 NGV	\$167 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Core C&I	\$2,749 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Total Core	\$7,826 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 NCCI	\$701 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 EG Tier 1	\$578 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 EG Tier 2	\$9,020 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Total EG	\$9,599 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Total NonCore	\$10,300 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 System Total	\$18,126 SCG RD Model/Local & BBT Costs copy to COST ALLOC tab
TLS Revenue NCCI-T EFBA Exempt \$000	\$188 SCG RD Model/RUN copy to Rate Tables
TLS Revenue EG-Tier T EFBA Exempt \$000	\$266 SCG RD Model/RUN copy to Rate Tables
TLS Revenue EG-Tier 2-T EFBA Exempt \$000	\$6,838 SCG RD Model/RUN copy to Rate Tables
TLS Class Average Rate NCCI T	\$0 SCG RD Model/RUN copy to Rate Tables
TLS Class Average Rate EG T	\$0 SCG RD Model/RUN copy to Rate Tables
Pre-SW TLS NCCI	\$574 SCG RD Model/RUN copy to Rate Tables
Post SW TLS NCCI	\$188 SCG RD Model/RUN copy to Rate Tables
Pre-SW TLS EG	\$18,498 SCG RD Model/RUN copy to Rate Tables
Post SW TLS EG	\$7,105 SCG RD Model/RUN copy to Rate Tables
EFBA adder	\$0 SCG RD Model/RUN copy to Rate Tables
TLS Revenue NCCI-T \$000	\$188 SCG RD Model/Local T Rate copy to Rate Tables

TLS Revenue EG-Tier 1-T \$000	\$266	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Revenue EG-Tier 2-T \$000	\$6,838	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes NCCI-T Mth/yr	\$15,070	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes EG-Tier1-T Mth/yr	\$21,305	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes EG-Tier2-T Mth/yr	\$547,042	SCG RD Model/Local T Rate	copy to Rate Tables
TLS SFV Mcapacity Reserved Mdth/day	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
TLS SFV Volumes Mth/year	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
TLS ST VOL Volumes Mth/year	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
TLS LT VOL Volumes Mth/year	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
Est FAR Revenue from SDGE Res	\$5,509	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE NGV	\$188	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE CCI	\$3,085	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE NCCI	\$787	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 1	\$649	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 2	\$10,122	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE Customers	\$20,340	SCG RD Model/Local & BBT Costs	Copy to Rate Tables
SCG Transport Only Costs Allocated to SDGE Core & Dist \$000	\$2,796	SCG RD model/SDGE Detail Alloc	Copy to Cost Alloc
SCG Core Seasonal Storage	\$5,814	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Load Balancing Allocated to ALL SDGE \$000	\$1,357	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Core Seasonal Storage HRSMA	\$0	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Load Balancing Allocated to ALL SDGE \$000 HRSMA	\$0	SCG RD Model/RUN	copy to COST ALLOC tab
SFV Base Margin Items = Reservation Charge \$/dth/day	\$0.00550	SCG RD Model / Trans Rates	Copy to Rate Tables
ST Volumetric Base Margin Items \$/th	\$0.00773	SCG RD Model / Trans Rates	Copy to Rate Tables
TLS LT VOL Rate \$/th	\$0.00773	SCG RD Model/TLS Rate	Copy to Rate Tables
TLS CA Usage Fee (non base margin items) \$/th	\$0.00482	SCG RD Model / Trans Rates	Copy to Rate Tables
TLS RS Usage Fee \$/th	\$0.00533	SCG RD Model / Trans Rates	Copy to Rate Tables
120% Class Average Volumetric Rate \$/th	\$0.01506		
200% Class Average Volumetric Rate \$/th	\$0.01694		
EG Tier 1-D SW Volumetric Rate w/FFU \$/th Post SW	\$0.06954	SCG RD model/EG-D Rates	Copy to EG-D rates tab
EG Tier 2-D SW Volumetric Rate w/FFU \$/th Post SW	\$0.02648	SCG RD model/EG-D Rates	Copy to EG-D rates tab
EG Tier 1 NoTLS SW Volumetric Rate w/FFU \$/th Post SW	n/a	SCG RD model/EG Rates NoTLS	Copy to EG-D rates tab
EG Tier 2 NoTLS SW Volumetric Rate w/FFU \$/th Post SW	n/a	SCG RD model/EG Rates NoTLS	Copy to EG-D rates tab
SW Volumetric Rate w/FFU \$/th UnCompressed	\$0.05402	SCG RD model/NGV Rates	
SW Volumetric Rate w/FFU \$/th Compressed	\$0.95858	SCG RD model/NGV Rates	
SDGE ITBA Balance Post SI	\$0	SCG RD model/Misc Inputs	
Unbundled FAR amount w/FFU	\$18,126	SCG RD model/Misc Inputs	
BBT %	0%	SCG RD model/Misc Inputs	
Local %	0%	SCG RD model/Misc Inputs	
Proposed BTS Rate SFV \$/dth/day	\$0.15230	SCG Rate Tables	
Current BTS Rate SFV \$/dth/day	\$0.11042		

Data TO SCG RD Model		Model / Source
SDGE AYTP mth/yr Res	307,841	Alloc Factors
SDGE AYTP mth/yr Core C&I	182,595	Alloc Factors
SDGE AYTP mth/yr NR A/C	0	
SDGE AYTP mth/yr Gas Eng	0	
SDGE AYTP mth/yr NGV	11,606	Alloc Factors
SDGE AYTP mth/yr Total Core	502,042	Alloc Factors
SDGE AYTP mth/yr Non Core C&I	48,633	Alloc Factors
SDGE AYTP mth/yr EG Tier 1	40,128	Alloc Factors
SDGE AYTP mth/yr EG Tier 2	625,692	Alloc Factors
SDGE AYTP mth/yr EOR	0	
SDGE AYTP mth/yr Total Retail Non Core	714,453	Alloc Factors
SDGE AYTP mth/yr Long Beach	0	
SDGE AYTP mth/yr SDG&E	0	
SDGE AYTP mth/yr Sout West Gas	0	
SDGE AYTP mth/yr Vernon	0	
SDGE AYTP mth/yr Total Whole sale	0	
SDGE AYTP mth/yr DGN	0	
SDGE AYTP mth/yr TBS	0	
SDGE AYTP mth/yr Total Non Core	714,453	Alloc Factors
SDGE AYTP mth/yr Total System \$000	1,216,495	Alloc Factors
SDGE CYTP mth/yr Res	340,566	Alloc Factors
SDGE CYTP mth/yr Core C&I	190,700	Alloc Factors
SDGE CYTP mth/yr NR A/C	0	
SDGE CYTP mth/yr Gas Eng	0	
SDGE CYTP mth/yr NGV	11,606	Alloc Factors
SDGE CYTP mth/yr Total Core	542,872	Alloc Factors
SDGE CYTP mth/yr Non Core C&I	48,633	Alloc Factors
SDGE CYTP mth/yr EG Tier 1	40,128	Alloc Factors
SDGE CYTP mth/yr EG Tier 2	625,692	Alloc Factors
SDGE CYTP mth/yr EOR	0	
SDGE CYTP mth/yr Total Retail Non Core	714,453	Alloc Factors
SDGE CYTP mth/yr Long Beach	0	
SDGE CYTP mth/yr SDG&E	0	
SDGE CYTP mth/yr Sout West Gas	0	
SDGE CYTP mth/yr Vernon	0	
SDGE CYTP mth/yr Total Whole sale	0	
SDGE CYTP mth/yr DGN	0	
SDGE CYTP mth/yr TBS	0	
SDGE CYTP mth/yr Total Non Core	714,453	Alloc Factors
SDGE CYTP mth/yr Total System \$000	1,257,325	Alloc Factors
SDGE's Core AYTP Mth/yr	502,042	Alloc Factors
NCCI-Distribution AYTP mth/yr	33,562	Alloc Factors
EG-Tier 1 Distribution AYTP mth/yr	18,823	Alloc Factors
EG-Tier 2 Distribution AYTP mth/yr	78,650	Alloc Factors
SDGE's Core # customers	880,799	Alloc Factors

NCCI-Distribution # customers	54	Alloc Factors
EG-Tier 1 Distribution # customers	40	Alloc Factors
EG-Tier 2 Distribution # customers	6	Alloc Factors
NCCI-Transmission AYTP mth/yr	15,070	Alloc Factors
EG-Tier 1 Transmission AYTP mth/yr	21,305	Alloc Factors
EG-Tier 2 Transmission AYTP mth/yr	547,042	Alloc Factors
NCCI-Transmission # customers	9	Alloc Factors
EG-Tier 1 Transmission # customers	12	Alloc Factors
EG-Tier 2 Transmission # customers	8	Alloc Factors
Transmission Costs w/FFU \$000	\$31,473	SDGE RD Model/Cost Alloc
Compressor Volumes mth/yr	163	SDGE RD Model / NGV Rates
SDGE - NCCI-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	\$124	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Local Transmission Costs	\$59	SDGE RD Model / Detail Alloc
SDGE - NCCI-T HPD Costs	\$0	SDGE RD Model / Detail Alloc
SDGE - NCCI-T MPD Costs	\$0	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Other Operating Costs and Revenues	\$110	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Regulatory Accounts	\$405	SDGE RD Model / Detail Alloc
SDGE - NCCI-T ITBA Base Margin	(\$8)	SDGE RD Model / Detail Alloc
SDGE - EG-T ITBA Base Margin	(\$302)	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Transport Rev Req w/o BBT, w/ FFU & EOR Cr \$000/yr	\$638	SDGE RD Model / Detail Alloc
SDGE - EG-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	\$3,673	SDGE RD Model / Detail Alloc
SDGE - EG-T Local Transmission Costs	\$2,442	SDGE RD Model / Detail Alloc
SDGE - EG-T HPD Costs	\$0	SDGE RD Model / Detail Alloc
SDGE - EG-T MPD Costs	\$0	SDGE RD Model / Detail Alloc
SDGE - EG-T Other Operating Costs and Revenues	\$4,138	SDGE RD Model / Detail Alloc
SDGE - EG-T Regulatory Accounts	\$10,687	SDGE RD Model / Detail Alloc
SDGE CYPM mth/mo Res	50,967	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Core C&I	20,446	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo NR A/C	0	
SDGE CYPM mth/mo Gas Eng	0	
SDGE CYPM mth/mo NGV	1,027	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total Core	72,440	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Non Core C&I	4,123	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 1	2,267	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 2	58,719	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EOR	0	
SDGE CYPM mth/mo Total Retail Non Core	65,110	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Long Beach	0	
SDGE CYPM mth/mo SDG&E	0	
SDGE CYPM mth/mo Sout West Gas	0	
SDGE CYPM mth/mo Vernon	0	
SDGE CYPM mth/mo Total Whole sale	0	
SDGE CYPM mth/mo DGN	0	
SDGE CYPM mth/mo TBS	0	
SDGE CYPM mth/mo Total Non Core	65,110	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total System \$000	137,550	SDGE RD Model / Alloc Factors

SDGE NonCore Embedded Customer Related Costs \$000	\$883	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Medium Pressure Distribution Costs \$000	\$1,556	SDGE RD Model/Cost Alloc
SDGE Non Core Embedded High Pressure Distribution Costs \$000	\$0	
SDGE NonCore Embedded Transmission Costs \$000	\$17,884	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Storage - Seasonal \$000	\$0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Storage - Load Balancing \$000	\$0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Storage - TBS \$000	\$0	
SDGE NonCore Embedded Non-DSM Marketing Related Costs \$000	\$0	
SDGE NonCore Embedded Credit (EOR Revenues - EOR UAF) * 95% \$000	\$0	
SDGE NonCore Embedded Less Allocated Transmission Cost \$000	\$0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Plus Allocated Local T under SI \$000	#REF!	SDGE RD Model/Cost Alloc
Total Margin Allocation w/o SI, FAR, Fuel Use, FF&U	\$261,726	SDGE RD Model/Cost Alloc
Other Op	\$6,530	SDGE RD Model/Cost Alloc
SCG Storage Charges	\$7,337	SDGE RD Model/Cost Alloc
Reg Accounts	\$17,107	SDGE RD Model/Cost Alloc
Less EC Transmission	(\$31,473)	SDGE RD Model/Cost Alloc
Plus Local-T	#REF!	SDGE RD Model/Cost Alloc
plus FAR revenue	\$20,340	SDGE RD Model/Cost Alloc
less local-T noncore trans cust costs	(\$19,136)	SDGE RD Model/Revenue Check
plus Reg Gap Revenue	\$7,357	SDGE RD Model/Revenue Check
plus new SCG Transport (i.e.RegGap SDGE C&D)	\$2,860	SDGE RD Model/Cost Alloc
SW Adjustments	\$282	SDGE RD Model/Revenue Check
EG Tier 1-D Pre-SW Total revenue \$000/yr	\$1,495	SDGE RD Model/EG-D Rates
EG Tier 1-D AYTP Mth/yr	18,823	SDGE RD Model/EG-D Rates
EG Tier 1-D Customer Charge Revenue \$000	\$24	SDGE RD Model/EG-D Rates
EG Tier 2-D Pre-SW Total revenue \$000/yr	\$1,576	SDGE RD Model/EG-D Rates
EG Tier 2-D AYTP Mth/yr	78,650	SDGE RD Model/EG-D Rates
EG Tier 2-D Customer Charge Revenue \$000	\$0	SDGE RD Model/EG-D Rates
EG Tier 1 Pre-SW Total revenue NoTLS \$000/yr	n/a	SDGE RD Model/EG Rates NoTLS
EG Tier 1 Customer Charge Revenue \$000	n/a	SDGE RD Model/EG Rates NoTLS
EG Tier 2 Pre-SW Total revenue NoTLS \$000/yr	n/a	SDGE RD Model/EG Rates NoTLS
EG Tier 1 NoTLS AYTP Mth/yr	40,128	SDGE RD Model/Alloc Factors
EG Tier 2 NoTLS AYTP Mth/yr	625,692	SDGE RD Model/Alloc Factors
Final Rev Req \$000	\$258,961	SDGE RD Model/Rate Tables
Pre-SW NGV Transportation Volumetric Revenue	\$665	SDGE RD Model / NGV Rates
Pre-SW NGV Customer Charge Revenue	\$11	SDGE RD Model / NGV Rates
NGV Transportation volumes mth/yr	11,606	SDGE RD Model / NGV Rates
NGV Post SW Customer Charge Revenue:	\$11	SDGE RD Model / NGV Rates
Pre SW NGV Compressor Revenue \$000	\$181	SDGE RD Model / NGV Rates
NGV Compressor Volumes Mth/yr	163	SDGE RD Model / NGV Rates
SDGE NCCI-T Direct Peak Day Demand Mth/day	41	SDGE RD Model / Alloc Factors
SDGE EG-T Direct Peak Day Demand Mth/day	1,726	SDGE RD Model / Alloc Factors
SDGE Core Cumulative Transmission Peak Day Mth/day	3,718	SDGE RD/Alloc Factors
SDGE Noncore Cumulative HP Distribution Peak Day Mth/day	359	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast AYTP Mth/yr	633,077	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYTP Mth/yr	673,907	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast # Customers	880,899	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYPM Mth/mo	83,557	SDGE RD/Alloc Factors

SDGE NCCI-T Forecast AYTP Mth/yr	15,070	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYTP Mth/yr	15,070	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast # Customers	9	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYPM Mth/mo	1,278	SDGE RD/Alloc Factors
SDGE EG-T Forecast AYTP Mth/yr	568,347	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYTP Mth/yr	568,347	SDGE RD/Alloc Factors
SDGE EG-T Forecast # Customers	20	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYPM Mth/mo	52,716	SDGE RD/Alloc Factors
SDGE Local-T Costs Res	\$0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs CCI	\$0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs NGV	\$0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs NCCI	\$0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs EG Tier 1	\$0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs EG Tier2	\$0	SDGE RD Model/Cost Alloc
SDGE BBT Costs Res	\$8,525	SDGE RD Model/Cost Alloc
SDGE BBT Costs CCI	\$4,774	SDGE RD Model/Cost Alloc
SDGE BBT Costs NGV	\$291	SDGE RD Model/Cost Alloc
SDGE BBT Costs NCCI	\$1,217	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier 1	\$1,004	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier2	\$15,662	SDGE RD Model/Cost Alloc
SDGE CoUse Transmission Costs	\$0	SDGE RD Model/Misc Inputs
SDGE Forecast AYTP Mth/yr Core	502,042	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr NCCI-D	33,562	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr EG-D	97,473	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr Core	542,872	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr NCCI-D	33,562	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr EG-D	97,473	SDGE RD/Alloc Factors
SDGE Forecast # Customers Core	880,799	SDGE RD/Alloc Factors
SDGE Forecast # Customers NCCI-D	54	SDGE RD/Alloc Factors
SDGE Forecast # Customers EG-D	46	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr Core	72,440	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr NCCI-D	2,845	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr EG-D	8,271	SDGE RD/Alloc Factors
SDGE FFU Rate	102.31%	SDGE RD/Cost Alloc
FFU Rate Gross-to-Net Ratio	97.74%	SDGE RD/Misc Inputs
SDGE Mbtu/mcf	1,020	SDGE RD/Misc Inputs
Authorized Base Margin in 2008GRC (excl misc revenue) \$000	\$235,125	SDGE RD/Revenue Check
Current Authorized Base Margin	\$261,726	SDGE RD/Revenue Check
Net System Integration	(\$25,101)	SDGE RD/Revenue Check
Other Operate Costs	\$16,727	SDGE RD/Revenue Check
Regulatory Accounts	\$17,107	SDGE RD/Revenue Check
SW NGV Adjustment	(\$63)	SDGE RD/Revenue Check
SW EG Adjustment	\$345	SDGE RD/Revenue Check
SW NGV & EG Adjustment	\$282	SDGE RD/Revenue Check
NET TLS Adjustment	(\$11,779)	SDGE RD/Revenue Check
Revenue Requirement w/oFAR	\$258,961	SDGE RD/Revenue Check
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$236,625	SDGE RD/Revenue Check
CSITMA allocated to SDGE's NCCI-T customers \$000	\$63	NCCI Detail Alloc
CSITMA allocated to SDGE's EG-T customers \$000	\$0	EG Detail Alloc

EFBA EG-D Tier 1	\$0	EG Detail Alloc
EFBA EG-D Tier 2	\$0	EG Detail Alloc
EFBA EG-T	\$0	EG Detail Alloc
EFBA NCCI-T	\$0	NCCI Detail Alloc
EFBA EG-T nonexempt volumes	97,263	EG Detail Alloc
EFBA NCCI-T nonexempt volumes	15,070	NCCI Detail Alloc

SAN DIEGO GAS & ELECTRIC COMPANY
2013 TCAP

2/22/2013 Update Filing

Section 2

NGV Compression Rate Adder Model

**Workpapers to the Prepared Written Testimony of
Jason Bonnett**

SDG&E 2013TCAP
 NGV Compression Adder Revenue Requirement
 v2-22-2013 Update Filing

NGV Station Costs \$000's	Total Public & Private Access		Public Access Station		Data Source
	\$000's/yr	\$/th	\$000's/yr	\$/th	
NGV Station Rate Base	\$28	\$0.12	\$0	\$0.00	Return tab
Rate of Return %	8.40%		8.40%		Return tab
Return on Ratebase	\$2	\$0.01	\$0	\$0.00	
Income Taxes	\$2	\$0.01	\$0	\$0.00	Return Tab
Ad Valorem Taxes	\$1	\$0.00	\$0	\$0.00	Return Tab
Depreciation Expense	\$42	\$0.18	\$0	\$0.00	
Capital Related Revenue Requirement	\$47	\$0.21	\$0	\$0.00	
NGV Station Throughput in CCF	226,611		159,454		
O&M Expense \$/ccf =	\$0.711	\$161 \$0.70	\$113 \$0.70		NGV Dept
Electricity Expense \$/ccf =	\$0.421	\$95 \$0.41	\$67 \$0.41		NGV Dept
Customer Related O&M	\$257	\$1.11	\$181	\$1.11	
NGV Station Revenue Requirement	\$304	\$1.32	\$181	\$1.11	
Total NGV Station Throughput in CCF	226,611		159,454		NGV Dept
Compression Throughput Mth/year	1,0194	231	1,0194	163	Demand Forecast from Bruce Wetzel
Compression Rate \$/therm	\$1.32		\$1.11		
Sempra Wide Compressor Adder \$/therm			\$0.95858		SDGE RD model/Rate tables

Notes:

- 1) Total Public & Private Access is the total of all NGV compressor stations, public & private.
- 2) Public Access Station Costs is based only on the incremental capital needed to make an other wise private station available to the public.
- 3) Since Public Access Stations have been fully depreciated there is no Capital Related Revenue Requirement.

SDG&E 2013TCAP

Calculation of Capital Related costs

v2-22-2013 Update Filing

Calculation of NGV Station Capital related Costs \$000's	Total Public & Private Access \$000's/yr	Public Access Station \$000's/yr	Data Source
NBV of NGV Stations \$000	\$53	\$0	12/31/2010 per Plant Accounting Dept.
Total NBV of Utility Gas Plant in Service \$000	\$790,339	\$790,339	
NBV Ratio	0.01%	0.00%	
Total Utility Rate Base \$000	\$421,710	\$421,710	12/31/2010 per Plant Accounting Dept.
NBV Ratio	0.01%	0.00%	
NGV Station Ratebase \$000	\$28	\$0	
Total Utility Income & CNG Fuel taxes \$000	\$28,449	\$28,449	FERC Form 1 p. 115, Column I Lines 15-19
NBV Ratio	0.01%	0.00%	
NGV Station Income & CNG Fuel taxes \$000	\$2	\$0	
Total Utility AdValorem taxes \$000	\$10,582	\$10,582	SAP Account # 6610002
NBV Ratio	0.01%	0.00%	
NGV Station Income & CNG Fuel taxes \$000	\$1	\$0	

Calculation of Authorized ROR% and Total Return on Ratebase:

	Capital Ratio	Rate	ROR%	Data Source
Long-Term Debt	45.25%	6.02%	2.72%	2008 GRC
Preferred Stock	5.75%	4.04%	0.23%	2008 GRC
Common Equity	49.00%	11.10%	5.44%	2008 GRC
Total ROR%	100%		8.40%	

San Diego Gas & Electric Company
Embedded Cost Study
Functionalization of Net Plant
(Thousands of Dollars)

	Gross Plant 2010 Actuals	Accumulated Depreciation 2010 Actual	Total Net Plant 2010 Actuals
<u>Intangible Plant</u>			
302- Franchises & Consents	\$86	(\$86)	(\$0)
303- Misc Intangible Plant	\$714	(\$575)	\$139
Intangible Net Plant Total	\$800	(\$661)	\$139
<u>Storage Plant:</u>			
360- Land	\$0	\$0	\$0
361- Structures & Improvements	\$44	(\$44)	(\$0)
362- Gas Holders	\$0	\$0	\$0
363.3- Compressor Eq	\$0	\$0	\$0
363.6- LNG Distr Storage Eq	\$1,843	(\$512)	\$1,331
Storage Net Plant Total	\$1,887	(\$556)	\$1,331
<u>Transmission Plant</u>			
365.1- Land	\$4,649	\$0	\$4,649
365.2- Rights-of-way	\$2,217	(\$1,144)	\$1,074
366- Structures & Improvements	\$11,523	(\$8,764)	\$2,759
367- Mains	\$125,717	(\$56,025)	\$69,692
368- Compressor Station Eq	\$72,933	(\$49,691)	\$23,242
369- Meas & Reg Station Eq	\$17,649	(\$13,173)	\$4,476
372- Asset Retirement Costs for Transmission Plant-n/a not in revenue	\$662	\$2,418	\$3,080
Transmission Net Plant Total	\$235,350	(\$126,379)	\$108,971
<u>Distribution Plant</u>			
374.2- Land and Land Rights	\$8,058	(\$5,657)	\$2,401
374.1- Land and Land Rights	\$102	\$0	\$102
375- Structures & Improvements	\$43	(\$61)	(\$18)
376- Mains	\$532,268	(\$301,501)	\$230,766
378- Meas & Reg Stations	\$12,422	(\$6,246)	\$6,176
380- Services	\$237,092	(\$270,641)	(\$33,549)
381- Meters & Regulators	\$120,861	(\$30,773)	\$90,088
382- Meter Installations	\$79,540	(\$22,750)	\$56,789
385- Industrial Meas & Reg Station Eq	\$1,517	(\$929)	\$588
387- Other Equipment	\$994	(\$416)	\$578
387- CNG Sta on SDGE Property	\$4,281	(\$4,212)	\$69
388- Asset Retirement Costs for Distribution Plant-n/a not in revenue	\$35,492	\$213,241	\$248,732
Distribution Net Plant Total	\$1,032,669	(\$429,946)	\$602,724
<u>General Plant</u>			
392- Transportation Eq	\$75	(\$100)	(\$26)
394- Tools, Shop, & Garage Eq	\$7,015	(\$2,770)	\$4,246
395- Laboratory Eq	\$283	(\$169)	\$114
396- Power Operated Eq	\$162	(\$57)	\$105
397- Communication Eq	\$1,752	(\$1,071)	\$681
398- Misc Equipment	\$270	(\$105)	\$164
General Plant Total	\$9,557	(\$4,272)	\$5,285
Subtotal Net Utility Plant - Gas	\$1,280,263	(\$561,814)	\$718,449
Common plant	\$155,046	(\$83,157)	\$71,889
Applicable Net Plant - Gas	\$1,435,309	(\$644,970)	\$790,339

SAN DIEGO GAS & ELECTRIC COMPANY
2013 TCAP

2/22/2013 Update Filing

Section 3
Submeter Credit Model

Workpapers to the Prepared Written Testimony of
Jason Bonnett

Submetering Avoided Cost Credit -GT

>> For mobile home parks supplied through one meter and submetered to all individual units (Schedule GT).
 >> Due to Use of Subunit, Traditional Meter Capital and O&M Expenses Are Avoided. However, Savings Offset By Incurred Master Meter Capital and O&M Expenses.
 >> Master Meter Capital and O&M Expenses are Quantified on a Per Subunit Basis.
 >> Net Submetering Avoided Cost Credit = (Traditional Meter Capital and O&M) - (Master Meter Capital and O&M ÷ Average No. of Subunits Per Master Meter)
 >> Adopted Proposal = Western Mobilehome Parkowners Association. From Exhibit No. 186, As Filed w/Scaling.

**SDG&E GT Submeter Discount
 2103 TCAP Application
 9/18/2012 Update Filing**

		Avoided Cost Per Subunit (Single Family) (\$/cst/yr.)	Incurred Cost Per GT Master Meter (\$/cst/yr.)		Source
1	Plant Costs				
1	Service/Regulation/Meter	\$199.96	\$842.39	1	SDGE LRMC Customer Cost
2	Distribution Main (High Pressure)	\$23.84	\$23.84	2	SDGE LRMC Distribution
3	Net Annual Cost/Space	\$223.79	\$866.22	3	SDGE LRMC Customer Cost
4	Customer Expenses			4	SDGE LRMC Customer Cost
5	O&M	\$43.63	\$346.56	5	SDGE LRMC Customer Cost
6	O&M Loaders	\$18.15	\$144.15	6	SDGE LRMC Customer Cost
7	Net Customer Expenses	\$61.77	\$490.71	7	SDGE LRMC Customer Cost
8	Subtotal - Annual Costs	\$285.56	\$1,356.93	8	
9	x EPMC Scaling Factor	70.58%	70.58%	9	SDGE DRAFT 2013TCAP Cost Allocation
10	= Avoided / Incurred Cost / Yr	\$201.55	\$957.74	10	
11	÷ Number Months / Year	12	12	11	
12	= Avoided / Incurred Cost / Mo	\$16.80	\$79.81	12	
13	÷ Avg No. of Subunits Per Master Meter Account	1	112	13	Based on 2010 data from Clara Chu, 09/01/2011
14	= Incurred Cost Per Living Unit for Master Meter		\$0.71	14	
15	Net Avoided Cost / Month	\$16.09		15	<< Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.
16	- SDG&E Monthly Cust Charge	\$5.00		16	
17	Submeter Credit / Month	\$11.09		17	
18	x Number Months / Year	12		18	
19	Submeter Credit / Year	\$133.08		19	
20	÷ Number Days / Year	365		20	
21	= Submeter Credit / Day	\$0.36460		21	

Submetering Avoided Cost Credit -GS

>> For multi-family dwelling units supplied through one meter and submetered to all individual units (Schedule GS).
 >> Due to Use of Subunit, Traditional Meter Capital and O&M Expenses Are Avoided. However, Savings Offset By Incurred Master Meter Capital and O&M Expenses.
 >> Master Meter Capital and O&M Expenses are Quantified on a Per Subunit Basis.
 >> Net Submetering Avoided Cost Credit = (Traditional Meter Capital and O&M) - (Master Meter Capital and O&M ÷ Average No. of Subunits Per Master Meter)
 >> Adopted Proposal = Western Mobilehome Parkowners Association. From Exhibit No. 186, As Filed w/Scaling.

**SDG&E GS Submeter Discount
 2013 TCAP Application
 2/22/2013 Update Filing**

		Avoided Cost Per Subunit (Single Family) (\$/cst/yr.)	Incurred Cost Per GS Master Meter (\$/cst/yr.)		Source
1	Plant Costs				
1	Service/Regulation/Meter	\$199.96	\$398.71	1	SDGE LPMC Customer Cost
2	Distribution Main (High Pressure)	\$0.00	\$23.84	2	SDGE LPMC Distribution
3	Net Annual Cost/Space	\$199.96	\$422.54	3	SDGE LPMC Customer Cost
4	Customer Expenses				
4	O&M	\$43.63	\$149.92	5	SDGE LPMC Customer Cost
5	O&M Loaders	\$18.15	\$62.36	6	SDGE LPMC Customer Cost
6	Net Customer Expenses	\$61.77	\$212.28	7	SDGE LPMC Customer Cost
7					
8	Subtotal - Annual Costs	\$261.73	\$634.82	8	
9	x EPMC Scaling Factor	70.58%	70.58%	9	SDGE DRAFT 2013TCAP Cost Allocation
10	= Avoided / Incurred Cost / Yr	\$184.73	\$448.06	10	
11	+ Number Months / Year	12	12	11	
12	= Avoided / Incurred Cost / Mo	\$15.39	\$37.34	12	
13	+ Avg No. of Subunits Per Master Meter Account	1	26	13	Based on 2010 data from Clara Chu, 09/01/2011
14	= Incurred Cost Per Living Unit for Master Meter		\$1.45	14	
15	Net Avoided Cost/ Month	\$13.94		15	<< Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.
16	- SDG&E Monthly Cust Charge	\$5.00		16	
17	Submeter Credit/ Month	\$8.94		17	
18	x Number Months / Year	12		18	
19	Submeter Credit / Year	\$107.28		19	
20	+ Number Days / Year	365		20	
21	= Submeter Credit/ Day	\$0.29392		21	