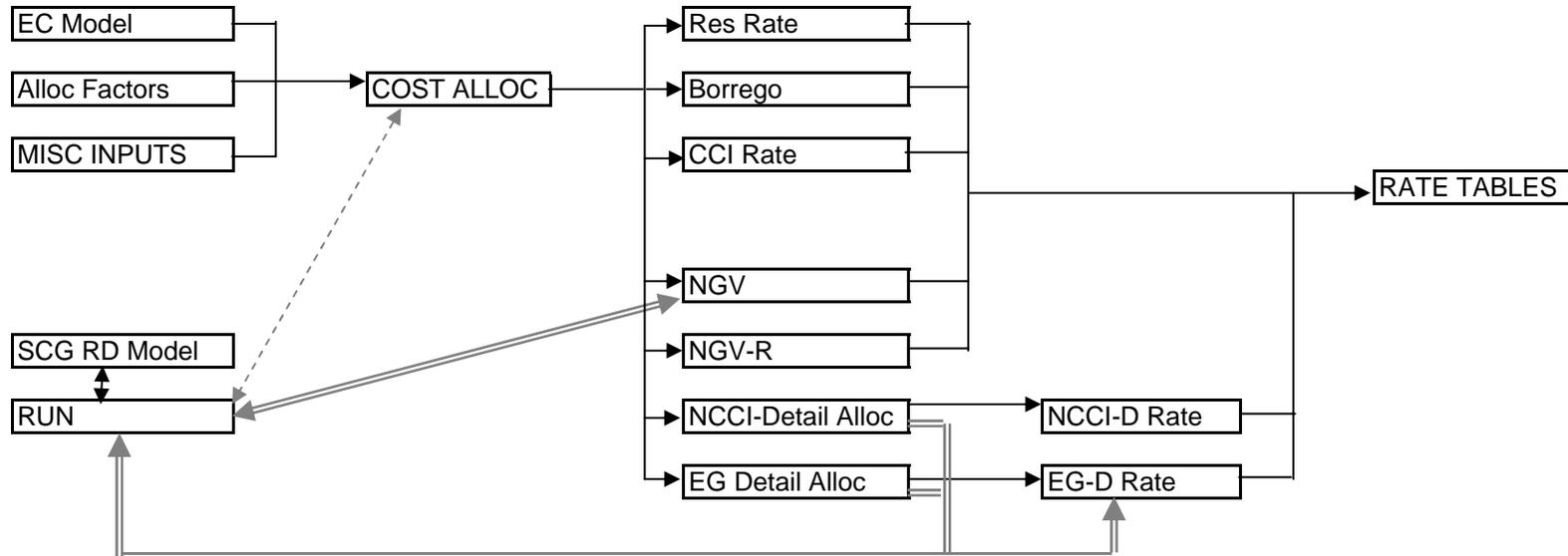


Table of Contents**Embedded Cost**

v10-3-2008

	Worksheet Tab	Purpose
1	Table of Contents	Table of Contents
2	Flowchart	Rate Design Model Flowchart
3	Rate Tables	Proposed rates & revenue compared to 2008 Rates & Revenue (Appendix A in Testimony)
4	Rate Tables B	Proposed rates & revenue compared to 2008 Rates * BCAP Volumes (Appendix B in Testimony)
5	Testimony Tables	Tables 1 & 2 in Testimony
6	Reconcile	Reconciles revenue requirement and rates between Proposal and 2008
7	Revenue Check	Verifies that revenue requirements are properly recovered in rates
8	Cost Alloc	Allocates costs to customer classes
9	Alloc Factors	Factors used to allocate costs to classes, primarily demand forecast
10	CA Model	Results of base margin cost allocation model
11	Misc Input	Miscellaneous inputs, such as cost of gas
12	Res rate	Calculation of Residential Rates
13	Borrego	Data used in calculation of Borrego Springs Surcharge Rate
14	CCI Rates	Calculation of Core C&I rates
15	NGV	Calculation of NGV rate
16	NGV-R Rate	Calculation of NGV Residential rate
17	NCCI-D Rates	Calculation of Noncore C&I rate for Distribution level service
18	EG-D Rates	Calculation of Electric Generation rate for Distribution level service
19	NCCI detail Alloc	Allocation of NCCI costs into Distribution and Transmission level service
20	EG Detail Alloc	Allocation of EG costs into Distribution and Transmission level service
21	SDFFD	Calculation of San Diego Franchise Fee Differential
22	2008 Cost Alloc	Results of 2008 Cost Allocation
23	RUN	Data that transfers between SCG and SDGE Rate Design Models

SDG&E - FLOWCHART of Rate Design model
 Embedded Cost
 v10-3-2008



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

- Rate Tables B
- Testimony Tables
- Reconcile
- Revenue Check
- SDFFD

TABLE 1
Gas Transportation Rate Revenues
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	At Present Rates			At Proposed Rates			Changes			Proposal w/FAR (2)	
	Jan-1-08 Volumes mtherms	Jan-1-08 Revenues \$1,000	Average Rate \$/therm	BCAP Volumes mtherms	Jan-1-09 Revenues \$1,000	Average Rate \$/therm	Revenues \$1,000	Rates \$/therm	Rate change %	Proposed Rate w/FAR	\$0.00500 rate change
	A	B	C	D	E	F	G	H	I	J	K
1 CORE											
2 Residential	326,207	\$189,454	\$0.58078	326,003	\$182,636	\$0.56023	(\$6,818)	(\$0.02055)	-3.5%	\$0.56523	(\$0.01555)
3 Comml & Industrial	129,794	\$37,602	\$0.28970	158,725	\$43,761	\$0.27570	\$6,159	(\$0.01400)	-4.8%	\$0.28070	(\$0.00900)
4 NGV Pre SW	4,030	\$3,782	\$0.93850	15,238	\$1,904	\$0.12492	(\$1,879)	(\$0.81358)	-86.7%	\$0.12992	(\$0.80858)
5 SW Adjustment					(\$984)		(\$984)				
6 NGV Post SW	4,030	\$3,782	\$0.93850	15,238	\$920	\$0.06034	(\$2,863)	(\$0.87816)	-93.6%	\$0.06534	(\$0.87316)
7 Total CORE	460,031	\$230,838	\$0.50179	499,967	\$227,316	\$0.45466	(\$3,522)	(\$0.04713)	-9.4%	\$0.45966	(\$0.04213)
8											
9 NONCORE COMMERCIAL & INDUSTRIAL											
10 Distribution Level Service	75,005	\$6,577	\$0.08769	37,270	\$4,243	\$0.11383	(\$2,334)	\$0.02615	29.8%	\$0.11883	\$0.03115
11 Transmission Level Service (1)	11,206	\$513	\$0.04577	3,193	\$78	\$0.02454	(\$435)	(\$0.02123)	-46.4%	\$0.02954	(\$0.01623)
12 Total Noncore C&I	86,211	\$7,090	\$0.08224	40,463	\$4,321	\$0.10679	(\$2,769)	\$0.02455	29.9%	\$0.11179	\$0.02955
13											
14 NONCORE ELECTRIC GENERATION											
15 Distribution Level Service (2008 is all EG, no separate transmission rate in 2008)											
16 Pre Sempra Wide	897,926	\$34,606	\$0.03854	179,522	\$8,962	\$0.04992	(\$25,643)	\$0.01138	29.5%	\$0.05492	\$0.01638
17 Sempra Wide Adjustment		(\$1,452)			(\$1,905)		(\$453)				
18 Post Sempra Wide	897,926	\$33,154	\$0.03692	179,522	\$7,058	\$0.03931	(\$26,096)	\$0.00239	6.5%	\$0.04431	\$0.00739
19 Transmission Level Service (1)				496,393	\$14,024	\$0.02825				\$0.03325	
20 Total Electric Generation	897,926	\$33,154	\$0.03692	675,916	\$21,081	\$0.03119	(\$12,072)	(\$0.00573)	-15.5%	\$0.03619	(\$0.00073)
21											
22 TOTAL NONCORE	984,137	\$40,243	\$0.04089	716,379	\$25,402	\$0.03546	(\$14,841)	(\$0.00543)	-13.3%	\$0.04046	(\$0.00043)
23											
24 Total (excluding FAR)	1,444,168	\$271,082	\$0.18771	1,216,345	\$252,718	\$0.20777	(\$18,363)	\$0.02006	10.7%	\$0.21277	\$0.02506
25											
26											
27											
28 System Total	1,444,168	\$271,082	\$0.18771	1,216,345	\$252,718	\$0.20777	(\$18,363)	\$0.02006	10.7%		

- 1) These proposed costs and rates for Transmission Level Service customers represents the average transmission rate and revenue of each class. See Table 5 for actual transmission level service rate.
- 2) FAR charge is proposed as a separate rate. Core will pay through procurement rate, noncore as a separate charge. To make comparison to present rates, this column reflects FAR charge added to each rate. Average rate paid will vary based on capacity reserved and volumes used. 100% load factors is implied in column. See Table 5 for actual FAR charge.

TABLE 2
Core Gas Transportation Rates
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	Present Rates			Proposed Rates			Proposal w/FAR (2)	
	Jan-1-08 Volumes Mth	Jan-1-08 Rate \$/therm	Jan-1-08 Revenue \$1,000	BCAP Volumes Mth	Rates Jan-1-09 \$/therm	Revenue \$1,000	Proposed Rate w/FAR	rate change
	A	B	C	D	E	F	G	H
1 Schedule GR,GM								
2 Baseline \$/therm	220,148	\$0.51653	\$113,712	220,010	\$0.49168	\$108,175	\$0.49668	(\$0.01985)
3 Non-Baseline \$/therm	106,059	\$0.75882	\$80,480	105,993	\$0.73595	\$78,005	\$0.74095	(\$0.01787)
4 Average Rate \$/therm	326,207	\$0.59530	\$194,193	326,003	\$0.57110	\$186,181	\$0.57610	(\$0.01920)
5 NBL/BL Composite Ratio (incl G-PC)		1.19			1.19			
6 Schedule GS,GT								
7 GS Unit Discount \$/ day	5,818	(\$0.25493)	(\$541)	6,004	(\$0.25493)	(\$559)	(\$0.24993)	\$0.00500
8 GT Unit Discount \$/day	27,494	(\$0.34064)	(\$3,418)	27,745	(\$0.34064)	(\$3,450)	(\$0.33564)	\$0.00500
9 Other Adjustments :								
10 Employee Discount						(\$459)		
11 SDFFD			(\$849)			\$847		
12 Schedule GL-1								
13 LNG Facility Charge, domestic use \$/month		\$14.79		321	\$14.79	\$57		
14 LNG Facility Charge, non-domestic use \$/mth/mbtu		\$0.05480			\$0.05480			
15 LNG Volumetric Surcharge \$/th		\$0.16571		110	\$0.16571	\$18		
16			\$70			\$75		
17 Schedule GTC & GTCA (transprt only SCG & SDGE systems)								
18 Baseline \$/therm		\$0.51653			\$0.49168			
19 Non-Baseline \$/therm		\$0.75882			\$0.73595			
20 Average Rate \$/therm		\$0.59530			\$0.57110			
21 Schedule GTC-SD (transport only SDGE system)								
22 Baseline \$/therm		\$0.50524						
23 Non-Baseline \$/therm		\$0.74754						
24 Average Rate \$/therm		\$0.58402						
25 Total Residential	326,207	\$0.58078	\$189,454	326,003	\$0.56023	\$182,636	\$0.56523	(\$0.01555)
26								
27 Other Core Rates \$/therm								
28 Schedule GPC - Procurement Price 1/		\$0.73100			\$0.76600			
29 CORE ITCS (included in rates)		(\$0.00005)						
30								
31 Schedule GN-3								
32 Customer Charge \$/month				29,831	\$10.00	\$3,580		
33 0 to 1,000 therms/month	13,777	\$5.58	\$923					
34 1,001 to 21,000 therms/month	12,769	\$11.16	\$1,711					
35 over 21,000 therms/month	920	\$111.61	\$1,232					
36 Volumetric Charges \$/therm - Winter Months								
37 Tier 1 = 0 to 1,000 therms/month	24,932	\$0.41225	\$10,278	69,961	\$0.32886	\$23,008	\$0.33386	(\$0.07839)
38 Tier 2 = 1,001 to 21,000 therms/month	23,107	\$0.16514	\$3,816	74,938	\$0.19655	\$14,729	\$0.20155	\$0.03641
39 Tier 3 = over 21,000 therms/month	5,489	\$0.11280	\$619	13,826	\$0.15917	\$2,201	\$0.16417	\$0.05137
40								
41 Volumetric Charges \$/therm - Summer Months								
42 Tier 1 = 0 to 1,000 therms/month	40,197	\$0.32425	\$13,034					
43 Tier 2 = 1,001 to 21,000 therms/month	36,069	\$0.16036	\$5,784					
44 Tier 3 = over 21,000 therms/month	0	\$0.09659	\$0					
45								
46 Adjustment for SDFFD			\$205			\$244		
47 Total Core C&I	129,794	\$0.28970	\$37,602	158,725	\$0.27570	\$43,761	\$0.28070	(\$0.00900)

See footnotes Table 1

TABLE 3
Other Core Gas Transportation Rates
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	Present Rates			Proposed Rates			Proposal w/FAR (2)	
	Jan-1-08 Volumes Mth	Jan-1-08 Rate \$/therm	Jan-1-08 Revenue \$1,000	BCAP Volumes Mth	Rates Jan-1-09 \$/therm	Revenue \$1,000	Proposed Rate w/FAR	rate change
	A	B	C	D	E	F	G	H
1 <u>Schedule G-NGV & GT-NGV</u>				<i>Sempra-Wide NGV Rates</i>				
2 Customer Charge								
3 P1 \$/month		\$0.00		30	\$13.00	\$5		
4 P2A \$/month		\$0.00		10	\$65.00	\$8		
5 Uncompressed Rate \$/therm	4,030	\$0.13488	\$544	15,238	\$0.05221	\$796	\$0.05721	(\$0.07768)
6 Co-funded Station \$/therm	0	\$0.53520	\$0					
7 Compressor Adder \$/therm	4,022	\$0.80063	\$3,220	119	\$0.86096	\$103		
8								
9 <u>Schedule GTC-SD</u>								
10 Customer Charge								
11 P1 \$/month								
12 P2A \$/month								
13 Uncompressed Rate \$/therm								
14 Co-funded Station \$/therm								
15 Compressor Adder \$/therm								
16								
17 SDFFD			\$18			\$9		
18 Total NGV	4,030	\$0.93850	\$3,782	15,238	\$0.06034	\$920	\$0.06534	(\$0.87316)

See footnotes Table 1

TABLE 4
NonCore Gas Transportation Rates
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	Present Rates			Proposed Rates			Proposal w/FAR (2)	
	Jan-1-08 Volumes Mth	Jan-1-08 Rate \$/therm	Jan-1-08 Revenue \$1,000	BCAP Volumes Mth	Rates Jan-1-09 \$/therm	Revenue \$1,000	Proposed Rate w/FAR	rate change
	A	B	C	D	E	F	G	H
1 <u>NonCore Commercial & Industrial Distribution Level</u>								
2 Volumetric Charges \$/therm								
3 MPS - Winter	13,442	\$0.11188	\$1,504	37,270	\$0.10707	\$3,991	\$0.11207	\$0.00019
4 MPS - Summer	27,078	\$0.08997	\$2,436					
5								
6 HPS - Winter	11,440	\$0.07529	\$861					
7 HPS - Summer	23,045	\$0.05889	\$1,357					
8								
9 Customer Charges \$/month								
10 0 to 3,000 therms/month	5	\$17.86	\$1	60	\$350.00	\$252		
11 3,001 to 7,000	1	\$92.64	\$1					
12 7,001 to 21,000	15	\$168.54	\$29					
13 21,001 to 126,000	62	\$338.19	\$250					
14 126,001 to 1,000,000	11	\$678.61	\$90					
15 Other Adjustment			\$47					
16 NCCI-Distribution Total	75,005	\$0.08769	\$6,577	37,270	\$0.11383	\$4,243	\$0.11883	\$0.03115
17								
18 <u>NonCore Commercial & Industrial Transmission Level (1)</u>								
19 Volumetric Charges \$/therm								
20 Transmission - Winter	3,717	\$0.05223	\$194					
21 Transmission - Summer	7,489	\$0.04130	\$309					
22 Customer Charges \$/month								
23 Over 1,000,000 therms/month	0.3	\$1,439.82	\$6					
24 Other Adjustment			\$4					
25 NCCI-Transmission Total (1)	11,206	\$0.04577	\$513	3,193	\$0.02454	\$78	\$0.02954	(\$0.01623)
26								
27 AMR Charges		\$137.36						
28								
29 Noncore C&I Total	86,211	\$0.08224	\$7,090	40,463	\$0.10679	\$4,321	\$0.11179	\$0.02955
30								
31 <u>ELECTRIC GENERATION</u>								
32								
33 <u>Distribution Level Service Group A</u>								
34 Customer Charge, \$/month	51	\$50.00	\$31	57	\$50.00	\$34		
35 Volumetric Rate (Incl ITCS) \$/therm	83,765	\$0.05848	\$4,898	27,097	\$0.06576	\$1,782	\$0.07076	\$0.01229
36 <u>Distribution Level Service Group B</u>								
37 Volumetric Rate (Incl ITCS) \$/therm	814,161	\$0.03467	\$28,225	152,425	\$0.03439	\$5,241	\$0.03939	\$0.00472
38 Total EG-Distribution	897,926	\$0.03692	\$33,154	179,522	\$0.03931	\$7,058	\$0.04431	\$0.00739
39								
40 EG Transmission Level Service (1)				496,393	\$0.02825	\$14,024	\$0.03325	
41								
42 Total Electric Generation	897,926	\$0.03692	\$33,154	675,916	\$0.03119	\$21,081	\$0.03619	(\$0.00073)
43								
44 <u>OTHER RATES:</u>								
45 ITCS Rate (embedded in rates)			(\$0.00005)					

See footnotes Table 1

TABLE 5
Transmission Level Service Gas Transportation Rates
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	Present Rates			Proposed Rates			Proposal w/FAR (2)	
	Jan-1-08	Jan-1-08	Jan-1-08	BCAP	Rates	Revenue	Proposed	
	Volumes	Rate	Revenue	Volumes	Jan-1-09	Revenue	Rate	rate
	Mth	\$/therm	\$1,000	Mth	\$/therm	\$1,000	w/FAR	change
	A	B	C	D	E	F	G	H
1 <u>Local Transmission Level Service</u>								
2 Straight Fixed Variable Rates								
3 Base Margin Items = Reservation Charge \$/dth/day				146	\$0.11056	\$5,887		
4 NonBase Margin Items = Usage Charge \$/th				461,175	\$0.01324	\$6,105		
5 Total Straight Fixed Variable				461,175	\$0.02600	\$11,992	\$0.03100	
6								
7								
8 Volumetric Rates								
9 Base Margin Items = Volumetric Rate \$/th				38,411	\$0.04170	\$1,602		
NonBase Margin Items = Usage Charge \$/th				38,411	\$0.01324	\$509		
10 Total Volumetric Rate								
11 Total Volumetric Rate \$/th				38,411	\$0.05494	\$2,110	\$0.05994	
12								
13 Total Local Transmission Level Service				499,587	\$0.02823	\$14,102	\$0.03323	
14								
15								
16								
17								

See footnotes Table 1

TABLE 1
Gas Transportation Rate Revenues
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	At Present Rates (3)			At Proposed Rates			Changes			Proposal w/FAR (2)	
	BCAP Volumes	Revenue @ BCAP Vols	Average Rate	BCAP Volumes	Jan-1-09 Revenues	Average Rate	Revenues	Rates	Rate change	Proposed Rate w/FAR	\$0.00500 rate change
	A	B	C	D	E	F	G	H	I	J	K
1 CORE											
2 Residential (4)	326,003	\$182,311	\$0.55923	326,003	\$182,636	\$0.56023	\$325	\$0.00100	0.2%	\$0.56523	\$0.00600
3 Comml & Industrial (4)	158,725	\$45,983	\$0.28970	158,725	\$43,761	\$0.27570	(\$2,222)	(\$0.01400)	-4.8%	\$0.28070	(\$0.00900)
4 NGV Pre SW (4)	15,238	\$2,161	\$0.14183	15,238	\$1,904	\$0.12492	(\$258)	(\$0.01691)	-11.9%	\$0.12992	(\$0.01191)
5 SW Adjustment					(\$984)		(\$984)				
6 NGV Post SW (4)	15,238	\$2,161	\$0.14183	15,238	\$920	\$0.06034	(\$1,242)	(\$0.08149)	-57.5%	\$0.06534	(\$0.07649)
7 Total CORE (4)	499,967	\$230,456	\$0.46094	499,967	\$227,316	\$0.45466	(\$3,139)	(\$0.00628)	-1.4%	\$0.45966	(\$0.00128)
8											
9 NONCORE COMMERCIAL & INDUSTRIAL											
10 Distribution Level Service (4)	37,270	\$3,268	\$0.08769	37,270	\$4,243	\$0.11383	\$975	\$0.02615	29.8%	\$0.11883	\$0.03115
11 Transmission Level Service (1,4)	3,193	\$146	\$0.04577	3,193	\$78	\$0.02454	(\$68)	(\$0.02123)	-46.4%	\$0.02954	(\$0.01623)
12 Total Noncore C&I (4)	40,463	\$3,414	\$0.08438	40,463	\$4,321	\$0.10679	\$907	\$0.02241	26.6%	\$0.11179	\$0.02741
13											
14 NONCORE ELECTRIC GENERATION											
15 Distribution Level Service (2008 is all EG, no separate transmission rate in 2008)											
16 Pre Sempra Wide				179,522	\$8,962	\$0.04992	\$8,962	\$0.04992		\$0.05492	\$0.05492
17 Sempra Wide Adjustment					(\$1,905)		(\$1,905)				
18 Post Sempra Wide				179,522	\$7,058	\$0.03931	\$7,058	\$0.03931		\$0.04431	\$0.04431
19 Transmission Level Service (1)				496,393	\$14,024	\$0.02825				\$0.03325	
20 Total Electric Generation (4)	675,916	\$24,956	\$0.03692	675,916	\$21,081	\$0.03119	(\$3,875)	(\$0.00573)	-15.5%	\$0.03619	(\$0.00073)
21											
22 TOTAL NONCORE (4)	716,379	\$28,371	\$0.03960	716,379	\$25,402	\$0.03546	(\$2,969)	(\$0.00414)	-10.5%	\$0.04046	\$0.00086
23											
24 Total (excluding FAR) (4)	1,216,345	\$258,826	\$0.21279	1,216,345	\$252,718	\$0.20777	(\$6,108)	(\$0.00502)	-2.4%	\$0.21277	(\$0.00002)
25											
26											
27											
28 System Total (4)	1,216,345	\$258,826	\$0.21279	1,216,345	\$252,718	\$0.20777	(\$6,108)	(\$0.00502)	-2.4%		

- 1) These proposed costs and rates for Transmission Level Service customers represents the average transmission rate and revenue of each class. See Table 5 for actual transmission level service rate.
- 2) FAR charge is proposed as a separate rate. Core will pay through procurement rate, noncore as a separate charge. To make comparison to present rates, this column reflects FAR charge added to each rate. Average rate paid will vary based on capacity reserved and volumes used. 100% load factors is implied in column. See Table 5 for actual FAR charge.
- 3) Present revenue is shown as Present Rate * Proposed Volumes. This is done for each rate by tier.
- 4) Subtotals and system total rates indicated in present rate column are not the actual present rates. They are the average rate based on revenues which were calculated for each tier using actual present rate.

TABLE 2
Core Gas Transportation Rates
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	At Present Rates (3)			Proposed Rates			Proposal w/FAR (2)	
	BCAP Volumes Mth	Rate \$/therm	Revenue @ BCAP Vols \$1,000	BCAP Volumes Mth	Rates Jan-1-09 \$/therm	Revenue \$1,000	Proposed Rate w/FAR	rate change
	A	B	C	D	E	F	G	H
1 Schedule GR,GM								
2 Baseline \$/therm	220,010	\$0.51653	\$113,641	220,010	\$0.49168	\$108,175	\$0.49668	(\$0.01985)
3 Non-Baseline \$/therm	105,993	\$0.75882	\$80,430	105,993	\$0.73595	\$78,005	\$0.74095	(\$0.01787)
4 Average Rate \$/therm (4)	326,003	\$0.59530	\$194,071	326,003	\$0.57110	\$186,181	\$0.57610	(\$0.01920)
5 NBL/BL Composite Ratio (incl G-PC)		1.19			1.19			
6 Schedule GS,GT								
7 GS Unit Discount \$/ day	6,004	(\$0.25493)	(\$1,531)	6,004	(\$0.25493)	(\$559)	(\$0.24993)	\$0.00500
8 GT Unit Discount \$/day	27,745	(\$0.34064)	(\$9,451)	27,745	(\$0.34064)	(\$3,450)	(\$0.33564)	\$0.00500
9 Other Adjustments :								
10 Employee Discount						(\$459)		
11 SDFFD			(\$849)			\$847		
12 Schedule GL-1								
13 LNG Facility Charge, domestic use \$/month		\$14.79		321	\$14.79	\$57		
14 LNG Facility Charge, non-domestic use \$/mth/mbtu		\$0.05480			\$0.05480			
15 LNG Volumetric Surcharge \$/th		\$0.16571		110	\$0.16571	\$18		
16			\$70			\$75		
17 Schedule GTC & GTCA (transport only SCG & SDGE systems)								
18 Baseline \$/therm		\$0.51653			\$0.49168			
19 Non-Baseline \$/therm		\$0.75882			\$0.73595			
20 Average Rate \$/therm		\$0.59530			\$0.57110			
21 Schedule GTC-SD (transport only SDGE system)								
22 Baseline \$/therm		\$0.50524						
23 Non-Baseline \$/therm		\$0.74754						
24 Average Rate \$/therm		\$0.58402						
25 Total Residential (4)	326,003	\$0.55923	\$182,311	326,003	\$0.56023	\$182,636	\$0.56523	\$0.00600
26								
27 Other Core Rates \$/therm								
28 Schedule GPC - Procurement Price 1/		\$0.73100			\$0.76600			
29 CORE ITCS (included in rates)		(\$0.00005)						
30								
31 Schedule GN-3								
32 Customer Charge \$/month				29,831	\$10.00	\$3,580		
33 0 to 1,000 therms/month								
34 1,001 to 21,000 therms/month								
35 over 21,000 therms/month								
36 Volumetric Charges \$/therm - Winter Months								
37 Tier 1 = 0 to 1,000 therms/month				69,961	\$0.32886	\$23,008	\$0.33386	\$0.33386
38 Tier 2 = 1,001 to 21,000 therms/month				74,938	\$0.19655	\$14,729	\$0.20155	\$0.20155
39 Tier 3 = over 21,000 therms/month				13,826	\$0.15917	\$2,201	\$0.16417	\$0.16417
40								
41 Volumetric Charges \$/therm - Summer Months								
42 Tier 1 = 0 to 1,000 therms/month								
43 Tier 2 = 1,001 to 21,000 therms/month								
44 Tier 3 = over 21,000 therms/month								
45								
46 Adjustment for SDFFD						\$244		
47 Total Core C&I (4)	158,725	\$0.28970	\$45,983	158,725	\$0.27570	\$43,761	\$0.28070	(\$0.00900)

See footnotes Table 1

TABLE 3
Other Core Gas Transportation Rates
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	At Present Rates (3)			Proposed Rates			Proposal w/FAR (2)	
	BCAP Volumes Mth	Rate \$/therm	Revenue @ BCAP Vol \$1,000	BCAP Volumes Mth	Rates Jan-1-09 \$/therm	Revenue \$1,000	Proposed Rate w/FAR	rate change
	A	B	C	D	E	F	G	H
1 Schedule G-NGV & GT-NGV				<i>Sempra-Wide NGV Rates</i>				
2 Customer Charge								
3 P1 \$/month		\$0.00		30	\$13.00	\$5		
4 P2A \$/month		\$0.00		10	\$65.00	\$8		
5 Uncompressed Rate \$/therm	15,238	\$0.13488	\$2,055	15,238	\$0.05221	\$796	\$0.05721	(\$0.07768)
6 Co-funded Station \$/therm								
7 Compressor Adder \$/therm	119	\$0.80063	\$95	119	\$0.86096	\$103		
8								
9 Schedule GTC-SD								
10 Customer Charge								
11 P1 \$/month								
12 P2A \$/month								
13 Uncompressed Rate \$/therm								
14 Co-funded Station \$/therm								
15 Compressor Adder \$/therm								
16								
17 SDFFD			\$11			\$9		
18 Total NGV (4)	15,238	\$0.14183	\$2,161	15,238	\$0.06034	\$920	\$0.06534	(\$0.07649)

See footnotes Table 1

TABLE 4
NonCore Gas Transportation Rates
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	At Present Rates (3)			Proposed Rates			Proposal w/FAR (2)	
	BCAP Volumes Mth	Rate \$/therm	Revenue @ BCAP Vols \$1,000	BCAP Volumes Mth	Rates Jan-1-09 \$/therm	Revenue \$1,000	Proposed Rate w/FAR	rate change
	A	B	C	D	E	F	G	H
1 <u>NonCore Commercial & Industrial Distribution Level</u>								
2 Volumetric Charges \$/therm								
3 MPS - Winter				37,270	\$0.10707	\$3,991	\$0.11207	\$0.11207
4 MPS - Summer								
5								
6 HPS - Winter								
7 HPS - Summer								
8								
9 Customer Charges \$/month								
10 0 to 3,000 therms/month				60	\$350.00	\$252		
11 3,001 to 7,000								
12 7,001 to 21,000								
13 21,001 to 126,000								
14 126,001 to 1,000,000								
15 Other Adjustment								
16 NCCI-Distribution Total (4)	37,270	\$0.08769	\$3,268	37,270	\$0.11383	\$4,243	\$0.11883	\$0.03115
17								
18 <u>NonCore Commercial & Industrial Transmission Level (1)</u>								
19 Volumetric Charges \$/therm								
20 Transmission - Winter								
21 Transmission - Summer								
22 Customer Charges \$/month								
23 Over 1,000,000 therms/month								
24 Other Adjustment								
25 NCCI-Transmission Total (1,4)	3,193	\$0.04577	\$146	3,193	\$0.02454	\$78	\$0.02954	(\$0.01623)
26								
27 AMR Charges		\$137.36						
28								
29 Noncore C&I Total (4)	40,463	\$0.08438	\$3,414	40,463	\$0.10679	\$4,321	\$0.11179	\$0.02741
30								
31 <u>ELECTRIC GENERATION</u>								
32								
33 <u>Distribution Level Service Group A</u>								
34 Customer Charge, \$/month				57	\$50.00	\$34		
35 Volumetric Rate (Incl ITCS) \$/therm				27,097	\$0.06576	\$1,782	\$0.07076	\$0.07076
36 <u>Distribution Level Service Group B</u>								
37 Volumetric Rate (Incl ITCS) \$/therm				152,425	\$0.03439	\$5,241	\$0.03939	\$0.03939
38 Total EG-Distribution				179,522	\$0.03931	\$7,058	\$0.04431	\$0.04431
39								
40 EG Transmission Level Service (1)				496,393	\$0.02825	\$14,024	\$0.03325	
41								
42 Total Electric Generation (4)	675,916	\$0.03692	\$24,956	675,916	\$0.03119	\$21,081	\$0.03619	(\$0.00073)
43								
44 OTHER RATES:								
45 ITCS Rate (embedded in rates)			(\$0.00005)					

See footnotes Table 1

TABLE 5
Transmission Level Service Gas Transportation Rates
San Diego Gas & Electric
2009 BIENNIAL COST ALLOCATION PROCEEDING
Embedded Cost
v10-3-2008

	At Present Rates (3)			Proposed Rates			Proposal w/FAR (2)	
	BCAP Volumes Mth	Rate \$/therm	Revenue @ BCAP Vols \$1,000	BCAP Volumes Mth	Rates Jan-1-09 \$/therm	Revenue \$1,000	Proposed Rate w/FAR	rate change
	A	B	C	D	E	F	G	H
1 <u>Local Transmission Level Service</u>								
2 Straight Fixed Variable Rates				146	\$0.11056	\$5,887		
3 Base Margin Items = Reservation Charge \$/dth/day				461,175	\$0.01324	\$6,105		
4 NonBase Margin Items = Usage Charge \$/th								
5 Total Straight Fixed Variable				461,175	\$0.02600	\$11,992	\$0.03100	
6								
7								
8 Volumetric Rates								
9 Base Margin Items = Volumetric Rate \$/th				38,411	\$0.04170	\$1,602		
NonBase Margin Items = Usage Charge \$/th				38,411	\$0.01324	\$509		
10 Total Volumetric Rate								
11 Total Volumetric Rate \$/th				38,411	\$0.05494	\$2,110	\$0.05994	
12								
13 Total Local Transmission Level Service				499,587	\$0.02823	\$14,102	\$0.03323	
14								
15								
16								
17								

See footnotes Table 1

Summary Tables for SDG&E Rate Design Testimony

Embedded Cost

v10-3-2008

Table 1

Embedded Cost

	Present Rates	Proposed Rates	Increase (decrease)	% increase (decrease)
Residential	\$0.581	\$0.560	(\$0.021)	-4%
Core C&I	\$0.290	\$0.276	(\$0.014)	-5%
Noncore C&I	\$0.088	\$0.114	\$0.026	30%
Electric Generation	\$0.037	\$0.039	\$0.002	6%
System Total	\$0.188	\$0.208	\$0.020	11%

Table 2 includes FAR

Embedded Cost

	Present Rates	Proposed Rates	Increase (decrease)	% increase (decrease)
Residential	\$0.581	\$0.565	(\$0.016)	-3%
Core C&I	\$0.290	\$0.281	(\$0.009)	-3%
Noncore C&I	\$0.088	\$0.119	\$0.031	36%
Electric Generation	\$0.037	\$0.044	\$0.007	20%
System Total	\$0.188	\$0.213	\$0.025	13%

Reconcile with "as-filed 2/4/2008" version

Embedded Cost

	Present Rates	as filed Embedded Cost	v10-3-2008	Increase (decrease) from filed	
Transport Rates (Incl FAR)					
Residential	\$0.581	\$0.568	\$0.565	(\$0.002)	
Core C&I	\$0.290	\$0.277	\$0.281	\$0.004	
Noncore C&I	\$0.088	\$0.116	\$0.119	\$0.002	
Electric Generation	\$0.037	\$0.037	\$0.044	\$0.007	
System Total	\$0.188	\$0.214	\$0.213	(\$0.001)	
SCG \$millions	\$1,660	\$1,727	\$1,738	\$11	<i>SDGE FAR=+7 & Aliso</i>
SDGE \$millions	\$271	\$261	\$253	(\$8)	<i>SDGE FAR to SCG= (7)</i>
	\$1,931	\$1,987	\$1,991	\$3	
TLS Rate (excl FAR)					
reservation \$/dth/day	n/a	\$0.136	\$0.111	(\$0.026)	<i>larger capacity to set rate</i>
usage \$/th	n/a	\$0.013	\$0.013	\$0.000	
Volumetric & usage \$/th	n/a	\$0.036	\$0.055	\$0.019	<i>lower reservation \$'s</i>

Reconcile Present Revenue with Proposed Revenue
 Embedded Cost
 v10-3-2008

	System Total			Res		
	Jan-1-08	BCAP	Increase (Decrease)	Jan-1-08	BCAP	Increase (Decrease)
Customer Costs	\$99,000	\$125,822	\$26,822	\$91,802	\$107,469	\$15,668
Distribution Costs	\$90,785	\$60,508	(\$30,277)	\$69,199	\$45,781	(\$23,418)
Storage			\$0			\$0
Marketing			\$0			\$0
Other		(\$82)	(\$82)		(\$82)	(\$82)
Integrated Transmission Cost	\$23,561	\$19,308	(\$4,252)	\$5,743	\$6,650	\$907
FAR revenue						
	\$213,345	\$205,556	(\$7,790)	\$166,743	\$159,818	(\$6,926)
Co Use Trans	\$1,666	\$2,212	\$546	\$376	\$593	\$217
UAF	\$3,663	\$8,400	\$4,737	\$827	\$4,217	\$3,390
Other Operate Costs	\$1,882	\$288	(\$1,594)	(\$969)	\$77	\$1,046
SCG Transport Charges	\$14,976	\$11,994	(\$2,982)	\$3,383	\$3,215	(\$168)
SCG Storage Charges	\$5,205	\$7,551	\$2,347	\$3,651	\$5,257	\$1,605
Reg Accts	\$31,797	\$23,448	(\$8,349)	\$20,152	\$12,600	(\$7,552)
Core Averaging (10% of Res / Retail Difference)	(\$0)	\$0	\$0	(\$4,711)	(\$3,140)	\$1,570
cogen parity			\$0			\$0
SW-NGV		(\$984)	(\$984)			\$0
SW-EG	(\$1,452)	(\$1,905)	(\$453)			\$0
Net TLS		(\$3,842)	(\$3,842)			\$0
Revenue Recovered in Rates	\$271,082	\$252,718	(\$18,363)	\$189,453	\$182,636	(\$6,818)
<i>Verification with Rate Tables</i>						
Revenue Recovered in Rates per RATE TABLES	\$271,082	\$252,718	(\$18,363)	\$189,454	\$182,636	(\$6,818)
<i>verify reconciliation, should be zero</i>	\$0	\$0	(\$0)	(\$1)	\$0	\$1
AYTP Mth/yr	1,444,168	1,216,345	(227,823)	326,207	326,003	(204)
Average Rate \$/th	\$0.188	\$0.208	\$0.020	\$0.581	\$0.560	(\$0.021)
% Class Average Rate Change			10.7%			-3.5%
Change in Rates due to Volumes			\$0.035			\$0.000
Change in rates due to Costs			(\$0.015)			(\$0.021)
Rate Change			increase			decrease
change in volumes cause rates to			increase			increase
change in costs cause rates to			decrease			decrease

Reconcile Present Revenue with Proposed Revenue
 Embedded Cost
 v10-3-2008

	Core C&I					NGV		
	Jan-1-08	Jan-1-08	Jan-1-08	BCAP	Increase (Decrease)	Jan-1-08	BCAP	Increase (Decrease)
	Sm C&I	Lg C&I	Revenue	Revenue		Revenue	Revenue	
Customer Costs	\$4,799	\$101	\$4,900	\$14,104	\$9,205	\$356	\$102	(\$254)
Distribution Costs	\$15,599	\$454	\$16,054	\$12,317	(\$3,736)	\$382	\$601	\$219
Storage			\$0		\$0			\$0
Marketing			\$0		\$0			\$0
Other			\$0	\$0	\$0		\$0	\$0
Integrated Transmission Cost	\$2,034	\$100	\$2,134	\$2,530	\$396	\$64	\$204	\$140
FAR revenue								
	\$22,432	\$655	\$23,087	\$28,952	\$5,865	\$802	\$906	\$105
Co Use Trans	\$143	\$7	\$150	\$289	\$139	\$5	\$28	\$23
UAF	\$314	\$16	\$329	\$2,053	\$1,724	\$10	\$197	\$187
Other Operate Costs	(\$73)	(\$1)	(\$74)	\$38	\$111	\$2,669	\$4	(\$2,666)
SCG Transport Charges	\$1,282	\$64	\$1,346	\$1,565	\$219	\$42	\$150	\$108
SCG Storage Charges	\$1,245	\$70	\$1,314	\$1,491	\$177	\$45	\$17	(\$29)
Reg Accts	\$6,428	\$311	\$6,739	\$6,233	(\$506)	\$210	\$602	\$392
Core Averaging (10% of Res / Retail Difference)	\$5,272	(\$561)	\$4,711	\$3,140	(\$1,570)	\$0		\$0
cogen parity			\$0		\$0			\$0
SW-NGV			\$0		\$0		(\$984)	(\$984)
SW-EG			\$0		\$0			\$0
Net TLS			\$0		\$0			\$0
Revenue Recovered in Rates	\$37,041	\$560	\$37,602	\$43,761	\$6,159	\$3,783	\$920	(\$2,863)
Verification with Rate Tables								
Revenue Recovered in Rates per RATE TABLES			\$37,602	\$43,761	\$6,159	\$3,782	\$920	(\$2,863)
verify reconciliation, should be zero	\$0		(\$0)	\$0	\$0	\$1	\$0	(\$1)
AYTP Mth/yr	123,612	6,182	129,794	158,725	28,931	4,030	15,238	11,208
Average Rate \$/th	\$0.300	\$0.091	\$0.290	\$0.276	(\$0.014)	\$0.939	\$0.060	(\$0.878)
% Class Average Rate Change					-4.8%			-93.6%
Change in Rates due to Volumes					(\$0.053)			(\$0.690)
Change in rates due to Costs					\$0.039			(\$0.188)
Rate Change					decrease			decrease
change in volumes cause rates to					decrease			decrease
change in costs cause rates to					increase			decrease

Reconcile Present Revenue with Proposed Revenue
 Embedded Cost
 v10-3-2008

	NCCI		
	Jan-1-08	BCAP	Increase (Decrease)
	Revenue	Revenue	
Customer Costs	\$781	\$2,077	\$1,296
Distribution Costs	\$3,084	\$973	(\$2,112)
Storage			\$0
Marketing			\$0
Other		\$0	\$0
Integrated Transmission Cost	\$1,368	\$543	(\$825)
FAR revenue			
	\$5,234	\$3,592	(\$1,642)
Co Use Trans	\$99	\$74	(\$26)
UAF	\$219	\$109	(\$110)
Other Operate Costs	\$2	\$10	\$8
SCG Transport Charges	\$894	\$399	(\$495)
SCG Storage Charges	\$136	\$44	(\$92)
Reg Accts	\$506	\$238	(\$268)
Core Averaging (10% of Res / Retail Difference)	\$0		\$0
cogen parity			\$0
SW-NGV		\$0	\$0
SW-EG			\$0
Net TLS		(\$146)	(\$146)
Revenue Recovered in Rates	\$7,091	\$4,321	(\$2,770)
<i>Verification with Rate Tables</i>			
<i>Revenue Recovered in Rates per RATE TABLES</i>	\$7,090	\$4,321	(\$2,769)
<i>verify reconciliation, should be zero</i>	\$0	\$1	\$0
			(\$1)
AYTP Mth/yr	86,211	40,463	(45,748)
Average Rate \$/th	\$0.082	\$0.107	\$0.025
% Class Average Rate Change			29.9%
Change in Rates due to Volumes			\$0.093
Change in rates due to Costs			(\$0.068)
<i>Rate Change</i>			<i>increase</i>
<i>change in volumes cause rates to</i>			<i>increase</i>
<i>change in costs cause rates to</i>			<i>decrease</i>

Reconcile Present Revenue with Proposed Revenue
Embedded Cost
v10-3-2008

	EG						Increase (Decrease)
	Jan-1-08	Jan-1-08	Jan-1-08	BCAP	BCAP	BCAP	
	EG Tier 1	EG Tier 2	EG	EG Tier 1	EG Tier 2	EG	
Customer Costs	\$460	\$516	\$977	\$1,647	\$422	\$2,069	\$1,093
Distribution Costs	\$2,242	\$10	\$2,251	\$598	\$238	\$836	(\$1,415)
Storage			\$0			\$0	\$0
Marketing			\$0			\$0	\$0
Other			\$0	\$0	\$0	\$0	\$0
Integrated Transmission Cost	\$2,681	\$11,571	\$14,252	\$506	\$8,876	\$9,382	(\$4,870)
FAR revenue							
	\$5,383	\$12,097	\$17,480	\$2,751	\$9,537	\$12,288	(\$5,192)
Co Use Trans	\$195	\$841	\$1,036	\$61	\$1,168	\$1,229	\$194
UAF	\$428	\$1,849	\$2,277	\$91	\$1,732	\$1,823	(\$454)
Other Operate Costs	(\$2,154)	\$2,407	\$253	\$8	\$152	\$160	(\$93)
SCG Transport Charges	\$1,752	\$7,560	\$9,311	\$333	\$6,332	\$6,665	(\$2,647)
SCG Storage Charges	\$57	\$0	\$57	\$37	\$706	\$743	\$685
Reg Accts	\$849	\$3,341	\$4,191	\$198	\$3,577	\$3,775	(\$416)
Core Averaging (10% of Res / Retail Difference)	\$0	\$0	\$0			\$0	\$0
cogen parity	(\$2,188)	\$2,188	\$0			\$0	\$0
SW-NGV			\$0	\$0	\$0	\$0	\$0
SW-EG			(\$1,452)			(\$1,905)	(\$453)
Net TLS			\$0			(\$3,696)	(\$3,696)
Revenue Recovered in Rates	\$4,323	\$30,282	\$33,153	\$3,479	\$23,203	\$21,081	(\$12,072)
<i>Verification with Rate Tables</i>							
<i>Revenue Recovered in Rates per RATE TABLES</i>			\$33,154			\$21,081	(\$12,072)
<i>verify reconciliation, should be zero</i>	\$0		(\$0)			\$0	\$0
AYTP Mth/yr	168,926	729,000	897,926	33,749	642,167	675,916	(222,010)
Average Rate \$/th	\$0.026	\$0.042	\$0.037	\$0.103	\$0.036	\$0.031	(\$0.006)
% Class Average Rate Change							-15.5%
Change in Rates due to Volumes							\$0.012
Change in rates due to Costs							(\$0.018)
<i>Rate Change</i>							<i>decrease</i>
<i>change in volumes cause rates to</i>							<i>increase</i>
<i>change in costs cause rates to</i>							<i>decrease</i>

Revenue Check of Base Margin, Revenue Requirement and Rates

Embedded Cost

v10-3-2008

Base Margin in 2007 Rates under 2009BCAP rules w/FFU

Marginal Cost Revenues	\$118,154	<D.00-04-060		
Gas Summary of Earnings Revenue Requirements \$000	\$213,693	From D.04-12-015, Appendix D, Page D-1, Line No. 3		
less Miscellaneous Revenues \$000	(\$8,972)	From D.04-12-015, Appendix D, Page D-1, Line No. 2		
COS Ph1 Base Margin	\$204,721			
Brokerage Fee Revenues including FF&U	(\$496)	Misc Inputs		
+ PBR Indexing for 2005 (effective Jun-1-05)	\$6,324	<AL 1520-G		
+ MICAM for 2005 (effective Jun-1-05)	(\$3,568)	<AL 1520-G		
+ COC Margin Update(effective Jan-1-06)	\$628	<D.05-12-043		
+ COC Margin Update(Proposed eff Jan-1-08)	\$1,350	<A.07-05-007, 11/06/07 8.4% PD		
+ PBR Indexing for 2006 (effective Jan-1-06)	\$7,031	<AL 1565-G		
+ PBR Indexing True-up for 2005 (effective Jan-1-06)	\$502	<AL 1565-G		
+ PBR Indexing for 2007 (estimated September,2006)	\$7,920			
+ PBR Indexing True-up for 2005 (effective Jan-1-07)	(\$138)			
+ PBR Indexing True-up for 2006 (effective Jan-1-07)	(\$5)			
Scaled LRMC Transmission Cost	(\$34,484)			
			<u>Scaled LRMC Transmission Cost</u>	
			\$204,225	2007 Margin Allocation w/o SI
			\$169,741	2008 Margin Allocation w/SI
			(\$34,484)	
Base Margin in 2008 Rates	\$189,785			
			2008 Rates Model	\$189,785
				\$0
Scaled LRMC Transmission Cost	\$34,484			
plus prior Brokerage Fee Revenues including FF&U	\$496			
less new Brokerage Fee Revenues including FF&U	(\$760)	Misc Inputs		
Target Base Margin 2009BCAP w/o SI; w/FFU	\$224,005		EC Model =	\$224,005
				(\$0)
Adjustment	\$0			
Current Target Base Margin 2009BCAP w/o SI; w/FFU	\$224,005		Cost Alloc =	\$224,005
				(\$0)

Summary of Cost Allocation:

Base Margin in 2007 Rates under 2009BCAP rules w/FFU	\$224,005			
Less Backbone Transmission Costs	(\$21,494)	Cost Alloc		
Less Local Transmission Costs	(\$16,263)	Cost Alloc		
Plus Backbone Transmission Costs w/SI	\$7,759			
Plus Local Transmission Costs w/SI	\$11,549	Cost Alloc		
Less FAR/BBT Charge \$000	\$0			
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$205,555			
Other Operating Costs and Revenues	\$30,446	Cost Alloc		
Regulatory Accounts	\$23,448	Cost Alloc		
adjustment \$000				
Transport Rev Req w/o BBT or FAR, w/ FFU \$000/yr	\$259,449	= cost allocation total	\$259,449	(\$0)
Est FAR Revenue from SDGE Customers- \$000	(\$6,720)	SCG CA Model		
Transport Rev Req w/ FAR & FFU \$000/yr	\$266,169	= cost allocation total	\$266,170	(\$0)
plus change due to Reg Gap (NCCI/EG/WS/DGN)	(\$3,842)			
plus SW Adjustments	(\$2,889)			
Less Est FAR Revenue from SDGE Customers- \$000	(\$6,720)	SCG CA Model		
Final Revenue Requirement	\$252,718		\$252,718	(\$0)

Summary of Table G-1, Revenues

Table 1 Total Revenue (Incl SI, FAR, Reg Gap SW Adj)

					<u>\$252,718</u>		<u>\$252,718</u>	Rate Tables
					\$0		\$0	
	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	\$228,300	(\$984)	\$227,316		\$227,316		\$227,316	
NCCI-D	\$4,243		\$4,243		\$4,243		\$4,243	
NCCI-T	\$224		\$224	(\$146)	\$78		\$78	
	\$4,467	\$0	\$4,467	(\$146)	\$4,321		\$4,321	
EG-D	\$8,962	(\$1,905)	\$7,058		\$7,058		\$7,058	
EG-T	\$17,720		\$17,720	(\$3,696)	\$14,024		\$14,024	
	\$26,682	(\$1,905)	\$24,778	(\$3,696)	\$21,081		\$21,081	
Transport Rev Req \$000/yr	\$259,449	(\$2,889)	\$256,561	(\$3,842)	\$252,718	\$0	\$252,718	

- 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 6

Table 2 - Core Res & Core C&I:

Residential Service \$000	\$182,636
Core C&I Service \$000	\$43,761

Table 3 - other Core service:

NGV \$000	\$920
Gas AC \$000	
Gas Engine \$000	
CORE	<u>\$227,316</u>

Table 4 - NonCore Distribution Level:

C&I \$000	\$4,243
Sw-EG \$000	\$7,058
NonCore Distribution	<u>\$11,300</u>

Table 5 - Local Transmission Level:

SFV \$000	\$11,992
Volumetric \$000	\$2,110
NonCore Transmission	<u>\$14,102</u>

System Total Rev Req w/SW adjustments \$000

\$252,718

\$0 Revenue Fully Collected

Est FAR Revenues to SDGE - \$000

\$0

System Total Rev Req w/ SW adjustments \$000

\$252,718

\$0 Revenue Fully Collected

SDG&E Cost Allocation
 Embedded Cost
 v10-3-2008

Nominal \$ year = 2008
 2008\$ to Nominal \$ year = 1.000 Misc Input

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	\$107,469	\$102	\$14,104	\$121,676
Distribution Costs-MPS	\$43,952	\$576	\$11,813	\$56,341
Distribution Costs-HPS	\$1,829	\$25	\$504	\$2,358
Backbone Transmission Costs	\$6,263	\$258	\$2,842	\$9,362
Local Transmission Costs	\$6,435	\$150	\$2,137	\$8,722
Storage - Borrego	(\$82)	\$0	\$0	(\$82)
Functionalized A&G	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI, FAR, Fuel Use, Season Storage w/FFU	\$165,866	\$1,111	\$31,400	\$198,377
Less Backbone Transmission Costs	(\$6,263)	(\$258)	(\$2,842)	(\$9,362)
Less Local Transmission Costs	(\$6,435)	(\$150)	(\$2,137)	(\$8,722)
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$2,080	\$97	\$1,013	\$3,189
Plus Local Transmission Costs w/SI,FFU	\$4,570	\$106	\$1,518	\$6,194
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$159,818	\$906	\$28,952	\$189,676

Other Operating Costs and Revenues	Amount to Add FFU Allocate (w/o		Inflated	Res	NGV	Core C&I	Total Core
	Y or N?	F&U)					
SCG Transport excl Core Storge & Load Balance \$000	Y	\$11,707	\$11,707	\$3,215	\$150	\$1,565	\$4,930
SCG Core Seasonal Storage	Y	\$6,066	\$6,066	\$4,898	\$0	\$1,317	\$6,215
SCG Load Balancing Allocated to ALL SDGE \$000	Y	\$1,305	\$1,305	\$358	\$17	\$174	\$549
Co Use Transmission w/FFU \$000				\$593	\$28	\$289	\$909
LUAF	Y	\$8,199	\$8,199	\$4,217	\$197	\$2,053	\$6,468
Company Use Gas: Other	Y	\$281	\$281	\$77	\$4	\$38	\$118
n/a	Y	\$0	\$0	\$0	\$0	\$0	\$0
n/a	Y	\$0	\$0	\$0	\$0	\$0	\$0
n/a	Y	\$0	\$0	\$0	\$0	\$0	\$0
n/a	Y	\$0	\$0	\$0	\$0	\$0	\$0
Core Averaging (10% of Res / Retail Difference)	N	(\$3,140)	(\$3,140)	(\$3,140)	\$0	\$3,140	\$0
Subtotal Other Operating Costs and Revenues		\$24,418	\$24,418	\$10,218	\$395	\$8,576	\$19,190

SDG&E Cost Allocation
 Embedded Cost
 v10-3-2008

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	\$2,077	\$1,647	\$422	\$2,069	\$4,146	\$125,822
Distribution Costs-MPS	\$912	\$556	\$0	\$556	\$1,468	\$57,809
Distribution Costs-HPS	\$60	\$42	\$238	\$280	\$341	\$2,699
Backbone Transmission Costs	\$685	\$572	\$10,875	\$11,447	\$12,132	\$21,494
Local Transmission Costs	\$401	\$409	\$6,731	\$7,140	\$7,541	\$16,263
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	(\$82)
Functionalized A&G	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI, FAR, Fuel Use, Season Storage w/FFU	\$4,136	\$3,226	\$18,266	\$21,492	\$25,628	\$224,005
Less Backbone Transmission Costs	(\$685)	(\$572)	(\$10,875)	(\$11,447)	(\$12,132)	(\$21,494)
Less Local Transmission Costs	(\$401)	(\$409)	(\$6,731)	(\$7,140)	(\$7,541)	(\$16,263)
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$258	\$215	\$4,096	\$4,312	\$4,570	\$7,759
Plus Local Transmission Costs w/SI,FFU	\$285	\$291	\$4,780	\$5,070	\$5,355	\$11,549
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$3,592	\$2,751	\$9,537	\$12,288	\$15,880	\$205,556

Other Operating Costs and Revenues	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total	F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storge & Load Balance \$000	\$399	\$333	\$6,332	\$6,665	\$7,064	\$11,994	\$287	\$11,707
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$6,215	\$149	\$6,066
SCG Load Balancing Allocated to ALL SDGE \$000	\$44	\$37	\$706	\$743	\$787	\$1,337	\$32	\$1,305
Co Use Transmission w/FFU \$000	\$74	\$61	\$1,168	\$1,229	\$1,303	\$2,212	\$53	\$2,160
LUAF	\$109	\$91	\$1,732	\$1,823	\$1,932	\$8,400	\$201	\$8,199
Company Use Gas: Other	\$10	\$8	\$152	\$160	\$170	\$288	\$7	\$281
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
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Averaging (10% of Res / Retail Difference)	\$0	\$0	\$0	\$0	\$0	\$0	\$3,140	(\$3,140)
Subtotal Other Operating Costs and Revenues	\$636	\$530	\$10,090	\$10,620	\$11,256	\$30,446	\$3,868	\$26,577

SDG&E Cost Allocation
 Embedded Cost
 v10-3-2008

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								
Distribution Costs-MPS	EC Model								
Distribution Costs-HPS	EC Model								
Backbone Transmission Costs	EC Model								
Local Transmission Costs	EC Model								
Storage - Borrego	EC Model								
Functionalized A&G	EC Model								
Core Seasonal Storage	EC Model								
Storage - Load Balancing	EC Model								
Total Margin Allocation w/o SI, FAR, Fuel Use, Season Storage w/FFU									
Less Backbone Transmission Costs									
Less Local Transmission Costs									
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	SCG/ SI & FAR								
Plus Local Transmission Costs w/SI,FFU	SCG/ SI & FAR								
<hr/> Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use <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	SCG/ SI & FAR								
LUAF	Misc Inputs	77% core ECPT/23% noncore ECPT	100.0%	50.2%	2.3%	24.4%	77.0%	1.3%	1.1%
Company Use Gas: Other	Misc Inputs	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
n/a									0.0%
n/a									0.0%
n/a									0.0%
n/a									0.0%
Core Averaging (10% of Res / Retail Difference)	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
 Embedded Cost
 v10-3-2008

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
Embedded Costs:			
Customer Related Costs			
Distribution Costs-MPS			
Distribution Costs-HPS			
Backbone Transmission Costs			
Local Transmission Costs			
Storage - Borrego			
Functionalized A&G			
Core Seasonal Storage			
Storage - Load Balancing			
Total Margin Allocation w/o SI, FAR, Fuel Use, Season Storage 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			

Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use

<u>Other Operating Costs and Revenues</u>	EG>=3 mmth/yr	Total EG	Total NonCore
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	20.6%	21.7%	23.0%
Company Use Gas: Other	52.8%	0.0%	58.9%
n/a			
Core Averaging (10% of Res / Retail Difference)	0.0%	0.0%	0.0%
Subtotal Other Operating Costs and Revenues			

SDG&E Cost Allocation
Embedded Cost
v10-3-2008

Nominal \$ year = 2008
 2008\$ to Nominal \$ year = 1.000 Misc Input

<u>Regulatory Accounts</u>			<u>Res</u>	<u>NGV</u>	<u>Core C&I</u>	<u>Total Core</u>	
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	\$0	\$0	\$0	\$0	\$0	
Adv Mtring Infrastructure Memo Acct AMIMA	Y	\$0	\$0	\$0	\$0	\$0	
Baseline Balance BA	Y	\$0	\$0	\$0	\$0	\$0	
CFCA -Margin Only	Y	\$10,598	\$10,598	\$7,080	\$331	\$3,447	\$10,858
CFCA -Nonmargin Other	Y	\$1,545	\$1,545	\$1,032	\$48	\$503	\$1,583
CFCA -Nonmargin SCG	Y	\$432	\$432	\$289	\$13	\$141	\$443
CA Solar Initiative Balancing Acct CSIBA	Y	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	Y	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	Y	\$6,238	\$6,238	\$4,167	\$195	\$2,029	\$6,391
Hazardous Substance Cleanup Cost Acct HSCCA	Y	\$205	\$205	\$56	\$3	\$27	\$86
Interim Call Ctr Memo Acct. (ICCMA)	Y	\$0	\$0	\$0	\$0	\$0	\$0
Interstate Transition Cost Surcharge Acct ITCSA	Y	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	(\$2,015)	(\$2,015)	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	Y	\$4,253	\$4,253	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG	Y	\$636	\$636	\$0	\$0	\$0	\$0
NGVA	Y	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	Y	\$223	\$223	\$0	\$0	\$0	\$0
PBOPBA	Y	\$0	\$0	\$0	\$0	\$0	\$0
Pension BA	Y	\$0	\$0	\$0	\$0	\$0	\$0
RD&D 1-Way Bal Acct (Pre-2001)	Y	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	\$123	\$123	\$98	\$1	\$18	\$116
Self Gen Memo Acct - SGPMA-CSI	Y	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	\$755	\$755	\$601	\$3	\$109	\$714
Gain/Loss on Sale Memo Acct GLOSMA	Y	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission ITBA	Y	\$1,119	\$1,119	\$334	\$14	\$152	\$500
Natural Gas Supp Refund Track Acct	Y	(\$1,225)	(\$1,225)	(\$1,057)	(\$6)	(\$192)	(\$1,255)
N/A	Y	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts		\$22,887	\$22,887	\$12,600	\$602	\$6,233	\$19,435
Transport Rev Req w/o BBT or FAR, w/ FFU \$000/yr				\$182,636	\$1,904	\$43,761	\$228,300
AVERAGE YEAR THROUGHPUT, Mth/yr				326,003	15,238	158,725	499,967
Average Rate \$/th				\$0.56023	\$0.12492	\$0.27570	\$0.45663
FFU Rate				102.45%	102.45%	102.45%	102.45%
FAR w/FFU Charge \$000				\$1,801	\$84	\$877	\$2,762
Transport Rev Req w/ FAR & FFU \$000/yr				\$184,437	\$1,988	\$44,638	\$231,063
Average Rate w/ FAR \$/th				\$0.566	\$0.130	\$0.281	\$0.462

SDG&E Cost Allocation
Embedded Cost
v10-3-2008

	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total	F&U Amount \$000	Total Allocated \$000
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Adv Mtring Infrastructure Memo Acct AMIMA	\$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	\$10,858	\$260	\$10,598
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$1,583	\$38	\$1,545
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$443	\$11	\$432
CA Solar Initiative Balancing Acct CSIBA	\$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	\$6,391	\$153	\$6,238
Hazardous Substance Cleanup Cost Acct HSCCA	\$7	\$6	\$111	\$117	\$124	\$210	\$5	\$205
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	(\$117)	(\$97)	(\$1,851)	(\$1,948)	(\$2,064)	(\$2,064)	(\$49)	(\$2,015)
NFCA -Nonmargin Other	\$246	\$205	\$3,906	\$4,111	\$4,357	\$4,357	\$104	\$4,253
NFCA -Nonmargin SCG	\$37	\$31	\$584	\$615	\$652	\$652	\$16	\$636
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$13	\$11	\$205	\$216	\$228	\$228	\$5	\$223
PBOPBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pension BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$2	\$2	\$6	\$8	\$10	\$126	\$3	\$123
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	\$14	\$10	\$36	\$46	\$60	\$773	\$18	\$755
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission ITBA	\$37	\$30	\$580	\$611	\$647	\$1,147	\$27	\$1,119
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	(\$1,255)	(\$30)	(\$1,225)
N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$238	\$198	\$3,577	\$3,775	\$4,013	\$23,448	\$561	\$22,887
Transport Rev Req w/o BBT or FAR, w/ FFU \$000/yr	\$4,467	\$3,479	\$23,203	\$26,682	\$31,149	\$259,449		
AVERAGE YEAR THROUGHPUT, Mth/yr	40,463	33,749	642,167	675,916	716,379	1,216,345		
Average Rate \$/th	\$0.11039	\$0.10309	\$0.03613	\$0.03948	\$0.04348	\$0.21330		
FFU Rate	102.45%	102.45%	102.45%	102.45%	102.45%	102.45%		
FAR w/FFU Charge \$000	\$224	\$186	\$3,548	\$3,734	\$3,958	\$6,720		
Transport Rev Req w/ FAR & FFU \$000/yr	\$4,690	\$3,666	\$26,751	\$30,417	\$35,107	\$266,170		
Average Rate w/ FAR \$/th	\$0.116	\$0.109	\$0.042	\$0.045	\$0.049	\$0.219		

SDG&E Cost Allocation
Embedded Cost
v10-3-2008

Allocation %

Regulatory Accounts

	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Adv Mtring Infrastructure Balancing Acct AMIBA	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
Adv Mtring Infrastructure Memo Acct AMIMA	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
Baseline Balance BA	2009FC @ 1/17/2008	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
CFCA -Margin Only	2009FC @ 1/17/2008	ECPT-Core	100.0%	65.2%	3.0%	31.7%	100.0%	0.0%	0.0%
CFCA -Nonmargin Other	2009FC @ 1/17/2008	ECPT-Core	100.0%	65.2%	3.0%	31.7%	100.0%	0.0%	0.0%
CFCA -Nonmargin SCG	2009FC @ 1/17/2008	ECPT-Core	100.0%	65.2%	3.0%	31.7%	100.0%	0.0%	0.0%
CA Solar Initiative Balancing Acct CSIBA	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
FERC Settlement Proceeds MA	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
Core Gas Storage Balancing Acct. GSBA-C	2009FC @ 1/17/2008	ECPT-Core	100.0%	65.2%	3.0%	31.7%	100.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	2009FC @ 1/17/2008	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
Interim Call Ctr Memo Acct. (ICCMA)	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
Interstate Transition Cost Surcharge Acct ITCSA	2009FC @ 1/17/2008	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
NFCA -Margin Only	2009FC @ 1/17/2008	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	5.6%	4.7%
NFCA -Nonmargin Other	2009FC @ 1/17/2008	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	5.6%	4.7%
NFCA -Nonmargin SCG	2009FC @ 1/17/2008	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	5.6%	4.7%
NGVA	2009FC @ 1/17/2008	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
Non-Core Gas Storage Balancing Acct GSBA-NC	2009FC @ 1/17/2008	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	5.6%	4.7%
PBOPBA	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
Pension BA	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
RD&D 1-Way Bal Acct (Pre-2001)	2009FC @ 1/17/2008	ECPT	100.0%	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%
Rewards & Penalties Bal Acct RPBA	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
Self Gen Memo Acct - SGPMA-CSI	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
Self Gen Memo Acct - SGPMA-NonCSI	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
SGPMA - Rev Req for NEXT Year	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
Gain/Loss on Sale Memo Acct GLOSMA	2009FC @ 1/17/2008	EPMC	100.0%	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%
Integrated Transmission ITBA	MISC Inputs	CYTP	100.0%	29.1%	1.2%	13.2%	43.6%	3.2%	2.7%
Natural Gas Supp Refund Track Acct	2009FC @ 1/17/2008	EPMC, Core	100.0%	84.3%	0.5%	15.3%	100.0%	0.0%	0.0%
N/A			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Total Regulatory Accounts

Transport Rev Req w/o BBT or FAR, w/ FFU \$000/yr

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate

FFU Rate

FAR w/FFU Charge \$000

Transport Rev Req w/ FAR & FFU \$000/yr

Average Rate w/ FAR \$/th

SCG/ Local & BBT

SDG&E Cost Allocation
Embedded Cost
v10-3-2008

	EG>=3	Total	Total
	mmth/yr	Total EG	NonCore
Regulatory Accounts			
Adv Mtring Infrastructure Balancing Acct AMIBA	4.6%	0.0%	7.7%
Adv Mtring Infrastructure Memo Acct AMIMA	4.6%	0.0%	7.7%
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	4.6%	0.0%	7.7%
FERC Settlement Proceeds MA	4.6%	0.0%	7.7%
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)	4.6%	0.0%	7.7%
Interstate Transition Cost Surcharge Acct ITCSA	52.8%	0.0%	58.9%
NFCA -Margin Only	89.6%	0.0%	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	4.6%	0.0%	7.7%
Pension BA	4.6%	0.0%	7.7%
RD&D 1-Way Bal Acct (Pre-2001)	52.8%	0.0%	58.9%
Rewards & Penalties Bal Acct RPBA	4.6%	0.0%	7.7%
Self Gen Memo Acct - SGPMA-CSI	4.6%	0.0%	7.7%
Self Gen Memo Acct - SGPMA-NonCSI	4.6%	0.0%	7.7%
SGPMA - Rev Req for NEXT Year	4.6%	0.0%	7.7%
Gain/Loss on Sale Memo Acct GLOSMA	4.6%	0.0%	7.7%
Integrated Transmission ITBA	50.6%	0.0%	56.4%
Natural Gas Supp Refund Track Acct	0.0%	0.0%	0.0%
N/A	0.0%	0.0%	0.0%
Total Regulatory Accounts			
Transport Rev Req w/o BBT or FAR, w/ FFU \$000/yr			
AVERAGE YEAR THROUGHPUT, Mth/yr			
Average Rate \$/th			
FFU Rate			
FAR w/FFU Charge \$000			
Transport Rev Req w/ FAR & FFU \$000/yr			
Average Rate w/ FAR \$/th			

SDGE Allocation Factors

Embedded Cost

v10-3-2008

	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	3,193	6,651	489,742	496,393	499,587	499,587
Cold Year Throughput (1-in-35) (MTh)	0	0	0	0	3,193	6,651	489,742	496,393	499,587	499,587
Cold Year Peak Month (December) (MTh)	0	0	0	0	272	1,167	45,355	46,521	46,793	46,793
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	0	0	0	0	9	41	1,858	1,900	1,908	1,908
Number of Customers	0	0	0	0	1	12	4	16	17	17
High Pressure										
Average Year Throughput (MTh)	324	400	4,164	4,888	14,148	12,806	152,425	165,231	179,379	184,267
Cold Year Throughput (1-in-35) (MTh)	367	400	4,403	5,170	14,148	12,806	152,425	165,231	179,379	184,549
Cold Year Peak Month (December) (MTh)	55	34	482	570	1,205	1,137	12,473	13,610	14,816	15,386
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	3	1	22	26	39	31	402	434	473	499
Number of Customers	1	8	6	16	12	14	8	22	34	50
Medium Pressure										
Average Year Throughput (MTh)	325,679	14,839	154,561	495,079	23,122	14,291	0	14,291	37,413	532,492
Cold Year Throughput (1-in-35) (MTh)	369,431	14,839	163,405	547,674	23,122	14,291	0	14,291	37,413	585,087
Cold Year Peak Month (December) (MTh)	55,235	1,253	17,878	74,366	1,970	1,214	0	1,214	3,184	77,550
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	3,084	40	829	3,953	64	39	0	39	103	4,056
Number of Customers	832,049	32	29,825	861,907	48	43	0	43	91	861,998
CUMULATIVE (Calc'd from DIRECT %s)										
Transmission										
Average Year Throughput (MTh)	326,003	15,238	158,725	499,967	40,463	33,749	642,167	675,916	716,379	1,216,345
Cold Year Throughput (1-in-35) (MTh)	369,798	15,238	167,807	552,844	40,463	33,749	642,167	675,916	716,379	1,269,223
Cold Year Peak Month (December) (MTh)	55,290	1,287	18,360	74,937	3,447	3,517	57,828	61,345	64,793	139,729
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	3,087	42	851	3,980	111	112	2,261	2,372	2,484	6,463
Number of Customers	832,050	40	29,831	861,922	61	69	12	81	142	862,064
High Pressure										
Average Year Throughput (MTh)	326,003	15,238	158,725	499,967	37,270	27,097	152,425	179,522	216,792	716,759
Cold Year Throughput (1-in-35) (MTh)	369,798	15,238	167,807	552,844	37,270	27,097	152,425	179,522	216,792	769,636
Cold Year Peak Month (December) (MTh)	55,290	1,287	18,360	74,937	3,175	2,351	12,473	14,824	17,999	92,936
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	3,087	42	851	3,980	102	71	402	473	575	4,555
Number of Customers	832,050	40	29,831	861,922	60	57	8	65	125	862,048
Medium Pressure										
Average Year Throughput (MTh)	325,679	14,839	154,561	495,079	23,122	14,291	0	14,291	37,413	532,492
Cold Year Throughput (1-in-35) (MTh)	369,431	14,839	163,405	547,674	23,122	14,291	0	14,291	37,413	585,087
Cold Year Peak Month (December) (MTh)	55,235	1,253	17,878	74,366	1,970	1,214	0	1,214	3,184	77,550
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	3,084	40	829	3,953	64	39	0	39	103	4,056
Number of Customers	832,049	32	29,825	861,907	48	43	0	43	91	861,998
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$159,818	\$906	\$28,952	\$189,676	\$3,592	\$2,751	\$9,537	\$12,288	\$15,880	\$205,556

SDGE Allocation Factors**Embedded Cost****v10-3-2008**

Source

DIRECT (%s Load or Cust/Mtrs Sum to 100%)**Transmission**

Average Year Throughput (MTh)	Demand FC 1/11/2008
Cold Year Throughput (1-in-35) (MTh)	Demand FC 1/11/2008
Cold Year Peak Month (December) (MTh)	Demand FC 1/11/2008
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	Demand FC 1/11/2008
Number of Customers	Demand FC 1/11/2008

High Pressure

Average Year Throughput (MTh)	Demand FC 1/11/2008
Cold Year Throughput (1-in-35) (MTh)	Demand FC 1/11/2008
Cold Year Peak Month (December) (MTh)	Demand FC 1/11/2008
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	Demand FC 1/11/2008
Number of Customers	Demand FC 1/11/2008

Medium Pressure

Average Year Throughput (MTh)	Demand FC 1/11/2008
Cold Year Throughput (1-in-35) (MTh)	Demand FC 1/11/2008
Cold Year Peak Month (December) (MTh)	Demand FC 1/11/2008
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	Demand FC 1/11/2008
Number of Customers	Demand FC 1/11/2008

CUMULATIVE (Calc'd from DIRECT %s)**Transmission**

Average Year Throughput (MTh)	Demand FC 1/11/2008
Cold Year Throughput (1-in-35) (MTh)	Demand FC 1/11/2008
Cold Year Peak Month (December) (MTh)	Demand FC 1/11/2008
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	Demand FC 1/11/2008
Number of Customers	Demand FC 1/11/2008

High Pressure

Average Year Throughput (MTh)	Demand FC 1/11/2008
Cold Year Throughput (1-in-35) (MTh)	Demand FC 1/11/2008
Cold Year Peak Month (December) (MTh)	Demand FC 1/11/2008
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	Demand FC 1/11/2008
Number of Customers	Demand FC 1/11/2008

Medium Pressure

Average Year Throughput (MTh)	Demand FC 1/11/2008
Cold Year Throughput (1-in-35) (MTh)	Demand FC 1/11/2008
Cold Year Peak Month (December) (MTh)	Demand FC 1/11/2008
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	Demand FC 1/11/2008
Number of Customers	Demand FC 1/11/2008

Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use

SDGE Allocation Factors
Embedded Cost
v10-3-2008

	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	832,050	40	29,831	861,922	61	69	12	81	142	862,064
Cumulative Transmission AYTP Mth/yr	326,003	15,238	158,725	499,967	40,463	33,749	642,167	675,916	716,379	1,216,345
AYTP System	26.8%	1.3%	13.0%	41.1%	3.3%	2.8%	52.8%		58.9%	100.0%
AYTP Core	65.2%	3.0%	31.7%	100.0%					-	100.0%
AYTP Noncore				-	5.6%	4.7%	89.6%		100.0%	100.0%
AYTP Core & NonCore Distribution Only:										
System Total Mth/yr	326,003	15,238	158,725	499,967	40,463	33,749	642,167	675,916	716,379	1,216,345
Less NonCore Transmission Mth/yr					(3,193)	(6,651)	(489,742)	(496,393)	(499,587)	(499,587)
AYTP Core & NonCore Distribution Only	326,003	15,238	158,725	499,967	37,270	27,097	152,425	179,522	216,792	716,759
%AYTP Core & NonCore Distribution	45.5%	2.1%	22.1%	69.8%	5.2%	3.8%	21.3%	25.0%	30.2%	100.0%
Cumulative Transmission CYTP Mth/yr	369,798	15,238	167,807	552,844	40,463	33,749	642,167	675,916	716,379	1,269,223
CYTP System	29.1%	1.2%	13.2%	43.6%	3.2%	2.7%	50.6%		56.4%	100.0%
Cumulative Transmission CYPM Mth/mo	55,290	1,287	18,360	74,937	3,447	3,517	57,828	61,345	64,793	139,729
CYCPM System Total	39.6%	0.9%	13.1%	53.6%	2.5%	2.5%	41.4%		46.4%	100.0%
CYPM EG-T Only mth/mo						1,167	45,355	46,521	46,521	46,521
% CYPM EG-T Only						2.5%	97.5%	100.0%	100.0%	100.0%
Cumulative Transmission Peak Day Mth/day	3,087	42	851	3,980	111	112	2,261	2,372	2,484	6,463
PDD System Total	47.8%	0.6%	13.2%	61.6%	1.7%	1.7%	35.0%		38.4%	100.0%
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$159,818	\$906	\$28,952	\$189,676	\$3,592	\$2,751	\$9,537	\$12,288	\$15,880	\$205,556
EPMC All	77.7%	0.4%	14.1%	92.3%	1.7%	1.3%	4.6%		7.7%	100.0%
Core EPMC	84.3%	0.5%	15.3%	100.0%					-	100.0%
NonCore EPMC					22.6%	17.3%	60.1%	77.4%	100.0%	100.0%
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	65.2%	3.0%	31.7%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
NonCore ECPT	0.0%	0.0%	0.0%	0.0%	5.6%	4.7%	89.6%	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	50.2%	2.3%	24.4%	77.0%	1.3%	1.1%	20.6%	21.7%	23.0%	100.0%
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct	3,084	40	829	3,953	64	39	0	39	103	4,056
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct Res & CCI	3,084		829	3,913				0	0	3,913
% CYPD MP Res & CCI	78.8%	0.0%	21.2%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

SDGE Allocation Factors**Embedded Cost****v10-3-2008**

Source**Calculation of Allocation Factors:****Cumulative Transmission # Customers****Cumulative Transmission AYTP Mth/yr**

AYTP System

AYTP Core

AYTP Noncore

AYTP Core & NonCore Distribution Only:

System Total Mth/yr

Less NonCore Transmission Mth/yr

AYTP Core & NonCore Distribution Only

%AYTP Core & NonCore Distribution

Cumulative Transmission CYTP Mth/yr

CYTP System

Cumulative Transmission CYPM Mth/mo

CYCPM System Total

CYPM EG-T Only mth/mo

% CYPM EG-T Only

Cumulative Transmission Peak Day Mth/day

PDD System Total

Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use

EPMC All

Core EPMC

NonCore EPMC

LUAF Allocator:

Method #1 = Based on 2007 Rates:

LUAF in 2007 Rates

% 2007 UAF Allocation

[2007 SDGE RD Model](#)

Method #2 - 65% core @ ECPT / 35% noncore @ ECPT

Core ECPT

NonCore ECPT

% Core

% Noncore

% LUAF Allocation

[2009BCAP Testimony H Emmrich](#)**Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct**

Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct Res & CCI

% CYPD MP Res & CCI

Cost Allocation Model Results

**Embedded Cost
v10-3-2008**

Nominal \$ year = 2008 Cost Alloc
2008\$ to Nominal \$ year = 1.000 Cost Alloc

	Res	NGV	Core C&I	Total Core	Total NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Inflated										
Embedded Cost										
Customer Related Costs	\$107,469	\$102	\$14,104	\$121,676	\$2,077	\$1,647	\$422	\$2,069	\$4,146	\$125,822
Distribution Costs-MPS	\$43,952	\$576	\$11,813	\$56,341	\$912	\$556	\$0	\$556	\$1,468	\$57,809
Distribution Costs-HPS	\$1,829	\$25	\$504	\$2,358	\$60	\$42	\$238	\$280	\$341	\$2,699
Backbone Transmission Costs	\$6,263	\$258	\$2,842	\$9,362	\$685	\$572	\$10,875	\$11,447	\$12,132	\$21,494
Local Transmission Costs	\$6,435	\$150	\$2,137	\$8,722	\$401	\$409	\$6,731	\$7,140	\$7,541	\$16,263
Storage - Borrego	(\$82)	\$0	\$0	(\$82)	\$0	\$0	\$0	\$0	\$0	(\$82)
Functionalized A&G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI, w/FAR, FF&U, Season Storage	\$165,866	\$1,111	\$31,400	\$198,377	\$4,136	\$3,226	\$18,266	\$21,492	\$25,628	\$224,005
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	74.0%	0.5%	14.0%	88.6%	1.8%	1.4%	8.2%	9.6%	11.4%	100.0%

Cost Allocation Results being Used in RD Model Not Inflated:

CA Method = Embedded Cost

Embedded Cost

Customer Related Costs	\$107,469	\$102	\$14,104	\$121,676	\$2,077	\$1,647	\$422	\$2,069	\$4,146	\$125,822
Distribution Costs-MPS	\$43,952	\$576	\$11,813	\$56,341	\$912	\$556	\$0	\$556	\$1,468	\$57,809
Distribution Costs-HPS	\$1,829	\$25	\$504	\$2,358	\$60	\$42	\$238	\$280	\$341	\$2,699
Backbone Transmission Costs	\$6,263	\$258	\$2,842	\$9,362	\$685	\$572	\$10,875	\$11,447	\$12,132	\$21,494
Local Transmission Costs	\$6,435	\$150	\$2,137	\$8,722	\$401	\$409	\$6,731	\$7,140	\$7,541	\$16,263
Storage - Borrego	(\$82)	\$0	\$0	(\$82)	\$0	\$0	\$0	\$0	\$0	(\$82)
Functionalized A&G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI, w/FAR, FF&U	\$165,866	\$1,111	\$31,400	\$198,377	\$4,136	\$3,226	\$18,266	\$21,492	\$25,628	\$224,005
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	74.0%	0.5%	14.0%	88.6%	1.8%	1.4%	8.2%	9.6%	11.4%	100.0%

Cost Allocation Model Results

Embedded Cost

v10-3-2008

2008\$ to

<u>Inflated</u>	<u>Embedded Cost</u>	NCCI-D	NCCI-T	Total NCCI	EG Tier 1	EG Tier 2	EG Tier 1	EG Tier 2	EG Trans	Total EG	SOURCE
					Dist	Dist	Trans	Trans			
	Customer Related Costs	\$1,963	\$114	\$2,077	\$1,453	\$400	\$194	\$22	\$216	\$2,069	
	Distribution Costs-MPS	\$912	\$0	\$912	\$556	\$0	\$0	\$0	\$0	\$556	
	Distribution Costs-HPS	\$60	\$0	\$60	\$42	\$238	\$0	\$0	\$0	\$280	
	Backbone Transmission Costs	\$631	\$54	\$685	\$459	\$2,581	\$113	\$8,294	\$8,406	\$11,447	
	Local Transmission Costs	\$370	\$32	\$401	\$274	\$1,452	\$136	\$5,279	\$5,415	\$7,140	
	Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Functionalized A&G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$3,936	\$200	\$4,136	\$2,784	\$4,671	\$442	\$13,595	\$14,037	\$21,492	
	Total Margin Allocation w/o SI or Fuel Use, W/ FF&U a	1.8%	0.1%	1.8%	1.2%	2.1%	0.2%	6.1%	6.3%	9.6%	

Cost Allocation Results being Used in RD Model N:

CA Method = Embedded Cost

Embedded Cost

	Customer Related Costs	\$1,963	\$114	\$2,077	\$1,453	\$400	\$194	\$22	\$216	\$2,069	EC Model v10/3/2008
	Distribution Costs-MPS	\$912	\$0	\$912	\$556	\$0	\$0	\$0	\$0	\$556	EC Model v10/3/2008
	Distribution Costs-HPS	\$60	\$0	\$60	\$42	\$238	\$0	\$0	\$0	\$280	EC Model v10/3/2008
	Backbone Transmission Costs	\$631	\$54	\$685	\$459	\$2,581	\$113	\$8,294	\$8,406	\$11,447	EC Model v10/3/2008
	Local Transmission Costs	\$370	\$32	\$401	\$274	\$1,452	\$136	\$5,279	\$5,415	\$7,140	EC Model v10/3/2008
	Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	EC Model v10/3/2008
	Functionalized A&G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	EC Model v10/3/2008
	Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	EC Model v10/3/2008
	Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	EC Model v10/3/2008
	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Total Margin Allocation w/o SI, w/FAR, FF&U	\$3,936	\$200	\$4,136	\$2,784	\$4,671	\$442	\$13,595	\$14,037	\$21,492	
	Total Margin Allocation w/o SI or Fuel Use, W/ FF&U a	1.8%	0.1%	1.8%	1.2%	2.1%	0.2%	6.1%	6.3%	9.6%	

Cost Allocation Model Results

**Embedded Cost
v10-3-2008**

Nominal \$ year = 2008 Cost Alloc
2008\$ to Nominal \$ year = 1.000 Cost Alloc

	Res	NGV	Core C&I	Total Core	Total NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Cost										
Customer Related Costs	\$107,469	\$102	\$14,104	\$121,676	\$2,077	\$1,647	\$422	\$2,069	\$4,146	\$125,822
Distribution Costs-MPS	\$43,952	\$576	\$11,813	\$56,341	\$912	\$556	\$0	\$556	\$1,468	\$57,809
Distribution Costs-HPS	\$1,829	\$25	\$504	\$2,358	\$60	\$42	\$238	\$280	\$341	\$2,699
Backbone Transmission Costs	\$6,263	\$258	\$2,842	\$9,362	\$685	\$572	\$10,875	\$11,447	\$12,132	\$21,494
Local Transmission Costs	\$6,435	\$150	\$2,137	\$8,722	\$401	\$409	\$6,731	\$7,140	\$7,541	\$16,263
Storage - Borrego	(\$82)	\$0	\$0	(\$82)	\$0	\$0	\$0	\$0	\$0	(\$82)
Functionalized A&G	\$0	\$0	\$0	\$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
				\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI, w/FAR, FF&U	\$165,866	\$1,111	\$31,400	\$198,377	\$4,136	\$3,226	\$18,266	\$21,492	\$25,628	\$224,005
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	74.0%	0.5%	14.0%	88.6%	1.8%	1.4%	8.2%	9.6%	11.4%	100.0%

Cost Allocation Model Results

Embedded Cost

v10-3-2008

2008\$ to

	NCCI-D	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
Embedded Cost										
Customer Related Costs	\$1,963	\$114	\$2,077	\$1,453	\$400	\$194	\$22	\$216	\$2,069	EC Model v10/3/2008
Distribution Costs-MPS	\$912	\$0	\$912	\$556	\$0	\$0	\$0	\$0	\$556	EC Model v10/3/2008
Distribution Costs-HPS	\$60	\$0	\$60	\$42	\$238	\$0	\$0	\$0	\$280	EC Model v10/3/2008
Backbone Transmission Costs	\$631	\$54	\$685	\$459	\$2,581	\$113	\$8,294	\$8,406	\$11,447	EC Model v10/3/2008
Local Transmission Costs	\$370	\$32	\$401	\$274	\$1,452	\$136	\$5,279	\$5,415	\$7,140	EC Model v10/3/2008
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	EC Model v10/3/2008
Functionalized A&G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	EC Model v10/3/2008
Core Seasonal Storage			\$0					\$0	\$0	EC Model v10/3/2008
Storage - Load Balancing			\$0					\$0	\$0	EC Model v10/3/2008
			\$0					\$0	\$0	EC Model v10/3/2008
Total Margin Allocation w/o SI, w/FAR, FF&U	\$3,936	\$200	\$4,136	\$2,784	\$4,671	\$442	\$13,595	\$14,037	\$21,492	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U a	1.8%	0.1%	1.8%	1.2%	2.1%	0.2%	6.1%	6.3%	9.6%	

Cost Allocation Model Results

**Embedded Cost
v10-3-2008**

Nominal \$ year = 2008 Cost Alloc
2008\$ to Nominal \$ year = 1.000 Cost Alloc

	Res	NGV	Core C&I	Total Core	Total NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Unscaled LRMIC Not Inflated										
Customer Related Costs	\$152,408	\$71	\$9,967	\$162,447	\$2,023	\$907	\$371	\$1,278	\$3,302	\$165,748
Medium Pressure Distribution Costs	\$50,991	\$174	\$13,705	\$64,869	\$1,051	\$647	\$0	\$647	\$1,698	\$66,567
High Pressure Distribution Costs	\$5,253	\$71	\$1,448	\$6,772	\$240	\$119	\$685	\$804	\$1,044	\$7,816
Backbone Transmission Costs	\$3,981	\$164	\$1,806	\$5,952	\$436	\$363	\$6,913	\$7,276	\$7,712	\$13,664
Local Transmission Costs	\$4,899	\$114	\$1,627	\$6,640	\$305	\$192	\$5,243	\$5,435	\$5,741	\$12,380
Storage - Borrego				\$0	\$0	\$0	\$0	\$0	\$0	\$0
Functionalized A&G				\$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
Unscaled LRMIC Revenues	\$217,531	\$594	\$28,554	\$246,679	\$4,055	\$2,229	\$13,212	\$15,441	\$19,497	\$266,176
EPMC Scaling Factor	84%	84%	84%							
Scaled LRMIC Revenues	\$183,000	\$500	\$24,021	\$207,520	\$3,412	\$1,875	\$11,115	\$12,990	\$16,402	\$223,922
NGV	\$0	\$83	\$0	\$83	\$0	\$0	\$0	\$0	\$0	\$83
Total Margin Allocation w/o SI, w/FAR, FF&U, Season Storage	\$183,000	\$583	\$24,021	\$207,603	\$3,412	\$1,875	\$11,115	\$12,990	\$16,402	\$224,005
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	81.7%	0.3%	10.7%	92.7%	1.5%	0.8%	5.0%	5.8%	7.3%	100.0%
Scaled LRMIC										
Customer Related Costs	\$128,214	\$60	\$8,385	\$136,659	\$1,702	\$763	\$312	\$1,075	\$2,777	\$139,437
Medium Pressure Distribution Costs	\$42,896	\$146	\$11,529	\$54,572	\$884	\$545	\$0	\$545	\$1,428	\$56,000
High Pressure Distribution Costs	\$4,419	\$59	\$1,219	\$5,697	\$202	\$100	\$576	\$676	\$878	\$6,575
Backbone Transmission Costs	\$3,349	\$138	\$1,520	\$5,007	\$366	\$306	\$5,816	\$6,121	\$6,488	\$11,495
Local Transmission Costs	\$4,121	\$96	\$1,368	\$5,586	\$257	\$162	\$4,411	\$4,573	\$4,829	\$10,415
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Functionalized A&G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$83	\$0	\$83	\$0	\$0	\$0	\$0	\$0	\$83
Total Margin Allocation w/o SI, w/FAR, FF&U, Season Storage	\$183,000	\$583	\$24,021	\$207,603	\$3,412	\$1,875	\$11,115	\$12,990	\$16,402	\$224,005
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	81.7%	0.3%	10.7%	92.7%	1.5%	0.8%	5.0%	5.8%	7.3%	100.0%

Cost Allocation Model Results

Embedded Cost

v10-3-2008

2008\$ to

	NCCI-D	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
Unscaled LRMC Not Inflated										
Customer Related Costs	\$1,864	\$160	\$2,023	\$384	\$282	\$523	\$90	\$612	\$1,278	LRMC Model 10/3/2008
Medium Pressure Distribution Costs	\$968	\$83	\$1,051	\$274	\$0	\$373	\$0	\$373	\$647	LRMC Model 10/3/2008
High Pressure Distribution Costs	\$221	\$19	\$240	\$50	\$519	\$69	\$165	\$234	\$804	LRMC Model 10/3/2008
Backbone Transmission Costs	\$401	\$34	\$436	\$154	\$5,243	\$209	\$1,670	\$1,879	\$7,276	LRMC Model 10/3/2008
Local Transmission Costs	\$281	\$24	\$305	\$81	\$3,977	\$111	\$1,266	\$1,377	\$5,435	LRMC Model 10/3/2008
Storage - Borrego			\$0					\$0	\$0	LRMC Model 10/3/2008
Functionalized A&G			\$0					\$0	\$0	LRMC Model 10/3/2008
Core Seasonal Storage			\$0					\$0	\$0	LRMC Model 10/3/2008
Storage - Load Balancing			\$0					\$0	\$0	LRMC Model 10/3/2008
Unscaled LRMC Revenues	\$3,735	\$320	\$4,055	\$944	\$10,021	\$1,285	\$3,191	\$4,476	\$15,441	LRMC Model 10/3/2008
EPMC Scaling Factor	84%	84%		84%	84%	84%	84%			LRMC Model 10/3/2008
Scaled LRMC Revenues	\$3,142	\$269	\$3,412	\$794	\$8,430	\$1,081	\$2,685	\$3,765	\$12,990	LRMC Model 10/3/2008
NGV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	LRMC Model 10/3/2008
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$3,142	\$269	\$3,412	\$794	\$8,430	\$1,081	\$2,685	\$3,765	\$12,990	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U a	1.4%	0.1%	1.5%	0.4%	3.8%	0.5%	1.2%	1.7%	5.8%	
Scaled LRMC										
Customer Related Costs	\$1,568	\$134	\$1,702	\$323	\$237	\$440	\$75	\$515	\$1,075	
Medium Pressure Distribution Costs	\$814	\$70	\$884	\$231	\$0	\$314	\$0	\$314	\$545	
High Pressure Distribution Costs	\$186	\$16	\$202	\$42	\$437	\$58	\$139	\$197	\$676	
Backbone Transmission Costs	\$338	\$29	\$366	\$129	\$4,411	\$176	\$1,405	\$1,581	\$6,121	
Local Transmission Costs	\$237	\$20	\$257	\$68	\$3,346	\$93	\$1,065	\$1,159	\$4,573	
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Functionalized A&G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
NGV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$3,142	\$269	\$3,412	\$794	\$8,430	\$1,081	\$2,685	\$3,765	\$12,990	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U a	1.4%	0.1%	1.5%	0.4%	3.8%	0.5%	1.2%	1.7%	5.8%	

Miscellaneous Inputs
Embedded Cost
v10-3-2008

Calculation of UnAccounted For Gas:

System AYTP Mth/yr	1,216,345	Alloc Factors
% UAF	0.880%	Demand FC 1/11/2008
UAF Volumes Mth/yr	10,704	
WACOG \$/dth	\$7.66	
UAF \$/yr	\$8,199	

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

(\$/Dth @ Ca/Az Border)

	\$/dth	
2009	7.66	2009BCAP Testimony H Emmrich
2010		
2011		
2012		

BTU Factor

1.0175	Mbtu/cf	Demand FC WP pg. 201 1/11/2008
1,018	Mbtu/mcf	
1 th = 100,000 BTUs		
1,000 Mth = 100,000MBTUs		

Calculation of Company Use Transmission \$/therm:

Co Use Trans rate	0.232%	Demand FC WP pg. 202 1/11/2008
WACOG \$/th	\$0.766	
	\$0.00178	
AYTP mth/yr	1,216,345	Alloc Factors
Co Use Transmission \$000	<u>\$2,162</u>	

Inflation Rates:	Average Index (*)	% change/year	Index to convert from 2008
2008	219.255		1.000
2009	223.932	2.1%	1.021
2010	228.372	2.0%	1.042
2011	233.045	2.0%	1.063
2012	238.568	2.4%	1.088

(*) All urban CPI for greater Los Angeles area, 1982-1984=100

Calculation of Brokerage Fee:

	2008	BCAP	
Core Broker Fee Rate \$/th	\$0.00092	\$0.00148	Broker Fee Study 1-7-2008
Core AYTP Mth/yr	526,040	499,967	Alloc Factors
	\$484	\$742	
FFU	\$12	\$18	
Core Broker Fee w/FFU \$000	\$496	\$760	

Integrated ITBA Regulatory Account:

ITBA Pre SW \$000	\$4,669	2009FC @ 1/17/2008
ITBA Post SW \$000	\$1,119	SCG RD Model

Calculation of Company Use Other \$/therm:

Co Use Other usage (dth)	36,715	Demand FC WP pg. 202 1/11/2008
WACOG \$/th	\$0.766	
Co Use Transmission \$000	\$281	

Core De-Averaging:

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

	Res	CCI	Total	Source
Cost-Based Revenue	\$194,165	\$32,891	\$227,056	2008 Cost Alloc
AYTP Mth/yr	3,262,070	1,297,940	4,560,010	2008 Cost Alloc
average rate of Res & CCI			\$0.050	
* Res Volumes			3,262,070	
			\$162,428	
less Res Rev Req			(\$194,165)	
adjustment required for fully averaged rates			<u>(\$31,737)</u>	

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
2008 Core Averaging Adjustment \$000	(\$4,711)	\$4,711		

Averaging % 14.8%
De-Averaged 85.2%

	<u>De-Average Adjustment</u>	<u>Average Adjustment</u>	<u>% De-Averaged</u>	<u>% Averaged</u>
Year 1 Adjustment	(\$4,711)	(\$4,711)	14.8%	85.2%
Year 2 Adjustment	\$1,570	(\$3,140)	9.9%	90.1%
Year 3 Adjustment	\$1,570	\$0	4.9%	95.1%
	<u>\$0</u>		<u>0.0%</u>	<u>100.0%</u>

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/y	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)	\$0.00	\$0.49168	\$0.73595	\$0.57110	832,050	220,010	105,993	326,003	\$0	\$108,175	\$78,005	\$186,181	\$186,181
Submeter Credit \$/unit/day (Schd GS)				(\$0.25493)	6,004							(\$559)	(\$559)
Submeter Credit \$/unit/day (Schd GT)				(\$0.34064)	27,745							(\$3,450)	(\$3,450)
Borrego Revenue												\$75	\$75
Employee Discount (Schd GR)												(\$459)	(\$459)
SDFFD												\$847	\$847
Total Residential													\$182,636

Calculations

Source

Total Res Rev \$000	\$182,636		Cost Alloc
less Borrego \$000	(\$75)		Borreggo
plus Employee Discount \$000	\$459		Recorded 2007
plus Submeter Credit GS	\$559		
plus Submeter Credit GT	\$3,450		
	\$187,028		
less SDFFD	0.453%	(\$847)	SDFFD
Rev from GR Rate	\$186,181		
BL Vols Mth/yr	67.5%	220,010	
NBL Vols Mth/yr		105,993	
GR Volumes Mth/yr		326,003	Alloc Factors
<u>1999 BCAP Res Vols:</u>			
BL		220,148	67.5% Rate Tables
NBL		106,059	32.5% Rate Tables
Total		326,207	100.0%
Commodity Rate = \$/th	\$0.76600		Misc Inputs
total vols Mth/yr		326,003	
Commodity Rev		\$249,718	
Transport Rev		\$186,181	
Total rev		\$435,899	

NBL/BL Composite Rate Ratio	1.19	Rate Tables
BL rate w/commodity =	\$1.25768	$BL\ rate = 1/((BL\ Vol + (ratio * NBL\ vol)) * (1/revenue))$
NBL rate w/commodity =	\$1.50195	$NBL\ rate = BL\ rate * ratio$
verify ratio	1.19	

BL rate w/o commodity =	\$0.49168
NBL rate w/o commodity =	\$0.73595
Verify Total Revenue:	
BL Revenue	\$108,175
NBL Revenue	\$78,005
	<u>\$186,181</u>
plus Borrego	\$75
less employee discount	(\$459)
less Submeter Credit GS	(\$559)
less Submeter Credit GT	(\$3,450)
plus SDDFD	\$847
total res reve	<u>\$182,636</u>
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-F	6,004	27,745	
Submeter Credit, \$/day/unit	(\$0.25493)	(\$0.34064)	Tariff Sched GS & GT June, 2006
Number of days for subMeter CR =	365	365	
Submeter Credit Revenues \$000/yr =	(\$559)	(\$3,450)	

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

	2007 Billing Months	2007 Borrego Volumes (therms)	Present Rates		Proposed Rates		Change	Source
			Rates \$/therm	Revenues \$'s	Rates \$/therm	Revenues \$'s		
WACOG			\$0.76600		\$0.76600			Misc Inputs
GR Baseline w/o WACOG			\$0.51653		\$0.49168			Rate Tables
GR NBL w/o WACOG			\$0.75882		\$0.73595			Rate Tables
GR Baseline w/wacog	3,201	58,138	\$1.28253	\$74,564	\$1.25768	\$73,119		
GR NBL w/wacog		36,575	\$1.52482	\$55,770	\$1.50195	\$54,934		
GR-LI BL	655	12,408	\$1.02602	\$12,731	\$1.00615	\$12,484		
GR-LI NBL		3,071	\$1.21986	\$3,746	\$1.20156	\$3,690		
GR total	3,856	110,192	\$1.33232	\$146,811		\$144,227	(\$2,584)	
GL-1 Facility Charge (\$/mo.)		3,856	<u>Present</u> \$14.79	\$57,032	<u>Proposed</u> \$14.79	\$57,032		0.0%
GL-1 Surcharge \$/th		110,192	\$0.16571	\$18,259	\$0.16571	\$18,259		0.0%
				\$75,291		\$75,291		
GL-1 Total				\$75,291		\$75,291		0.0%
LNGSTA Tracking Acct Balance				\$0				
Grand Total (\$)				\$222,102		\$219,518		
divided by Gas Volumes (therms)				110,192		110,192		
= Average LNG Rate \$/therm				\$2.01559		\$1.99214		
%Change from Present Rates						-1.2%		
Grand Total (\$)				\$222,102		\$219,518		
divided by Billing Months				3,856		3,856		
= Average Gas LNG Service Bill \$/bill				\$57.60		\$56.93		
plus Electric Service Bill \$/bill				\$64.94		\$64.94		Electric FC 1/15/08
= Total Service Bills \$/bill				\$122.54		\$121.87		
less All-Electric Service Bill for Borrego \$/bill				\$111.62		\$111.62		Electric FC 1/15/08
Difference from All-Electric Bill				\$10.92		\$10.25		
%Change from All-Electric				9.8%		9.2%		
%Change, Total Bill				0.0%				

SDG&E Core C&I Rates

Embedded Cost

v10-3-2008

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	29,831		\$3,580	Alloc Factors
TIER 1	0-1000 th/mo	\$0.32886		69,961	\$23,008	
TIER 2	1001-21k th/mo	\$0.19655		74,938	\$14,729	
TIER 3	> 21k th/mo	\$0.15917		13,826	\$2,201	
Total Volumetric		\$0.25161		158,725	\$39,937	
Total Volumetric & Customer Charge		\$0.27417		158,725	\$43,517	

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		69,961	\$0.23710	\$16,588	\$0.09177	\$0.32886	\$23,008	
Tier 2	44%	74,938	\$0.10479	\$7,852	\$0.09177	\$0.19655	\$14,729	
Tier 3	28%	13,826	\$0.06741	\$932	\$0.09177	\$0.15917	\$2,201	
		158,725		\$25,372		\$0.25161	\$39,937	
Total Allocated Base Margin Costs				\$28,952				
less customer charge revenue				(\$3,580)				
Target Vol Rev \$000 =				\$25,372				
Vol revenue Check should be \$0				\$0				
Total Allocated Costs				\$43,761	Cost Alloc			
less SDFFD				\$244				
Subtotal Allocated Costs				\$43,517				
Total Allocated Base Margin Costs				\$28,952	Cost Alloc			
Total Allocated NonBase Margin Costs				\$14,565				
Forecast AYTP Mth/yr				158,725				
Volumetric Rate for NonBaseMargin Items \$/th				\$0.09177				

Notes:

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

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.

Existing Tier Differential for use as a guide to determine new tier differentials:

	Winter \$/th	% Diffrential	Summer \$/th	% Diffrential	average	% Diffrential
Tier 1	\$0.41225		\$0.32425		\$0.36825	
Tier 2	\$0.16514	40.1%	\$0.16036	49.5%	\$0.16275	44.2%
Tier 3	\$0.11280	27.4%	\$0.09659	29.8%	\$0.10470	28.4%

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
2006 Recorded Annual Data Normalized to AYTP HDD Mth/yr									
Band 1 0-100 th/yr	251							251	Recorded 2006
Band 2 101-300 th/yr	868	10	0	0	0	0	0	877	Recorded 2006
Band 3 301-3k th/yr	5,801	2,718	763	19	0	0	0	9,301	Recorded 2006
Band 4 3,001-12k th/yr	6,050	8,643	17,510	1,245	18	0	0	33,466	Recorded 2006
Band 5 12,001-50k th/yr	2,640	3,920	18,673	23,783	1,413	29	0	50,457	Recorded 2006
Band 6 50,001-250k th/yr	541	809	4,003	15,936	20,118	4,596	956	46,959	Recorded 2006
Band 7 > 250k th/yr	62	93	466	1,965	5,120	4,831	13,633	26,170	Recorded 2006
Therm Totals	16,214	16,192	41,415	42,948	26,668	9,457	14,589	167,483	

2006 Recorded Annual Data as % of Total

Band 1 0-100 th/yr	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
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%	1.6%	0.5%	0.0%	0.0%	0.0%	0.0%	5.6%
Band 4 3,001-12k th/yr	3.6%	5.2%	10.5%	0.7%	0.0%	0.0%	0.0%	20.0%
Band 5 12,001-50k th/yr	1.6%	2.3%	11.1%	14.2%	0.8%	0.0%	0.0%	30.1%
Band 6 50,001-250k th/yr	0.3%	0.5%	2.4%	9.5%	12.0%	2.7%	0.6%	28.0%
Band 7 > 250k th/yr	0.0%	0.1%	0.3%	1.2%	3.1%	2.9%	8.1%	15.6%
Therm Totals	9.7%	9.7%	24.7%	25.6%	15.9%	5.6%	8.7%	100.0%

Forecasted AYTP Mth/yr

Forecasted AYTP for CCI class th/yr 158,725 Alloc factors

Band 1 0-100 th/yr	238	0	0	0	0	0	0	238
Band 2 101-300 th/yr	822	9	0	0	0	0	0	832
Band 3 301-3k th/yr	5,498	2,576	724	18	0	0	0	8,815
Band 4 3,001-12k th/yr	5,734	8,191	16,595	1,180	17	0	0	31,716
Band 5 12,001-50k th/yr	2,502	3,715	17,696	22,539	1,339	27	0	47,819
Band 6 50,001-250k th/yr	513	766	3,794	15,102	19,066	4,356	906	44,503
Band 7 > 250k th/yr	59	88	441	1,862	4,852	4,579	12,920	24,802
Total Forecast AYTP Mth/yr	15,366	15,346	39,250	40,702	25,274	8,962	13,826	158,725

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

Total Forecast AYTP Mth/yr **69,961** **74,938** **13,826** **158,725**

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 2006									
Band 1 0-100 th/yr	43,951							43,951	Recorded 2006
Band 2 101-300 th/yr	47,729	236	8					47,973	Recorded 2006
Band 3 301-3k th/yr	56,831	27,360	6,555	52				90,798	Recorded 2006
Band 4 3,001-12k th/yr	2,729	4,254	51,379	3,659	13			62,034	Recorded 2006
Band 5 12,001-50k th/yr	279	294	3,146	21,646	1,187	10		26,562	Recorded 2006
Band 6 50,001-250k th/yr	27	18	89	748	3,448	894	204	5,428	Recorded 2006
Band 7 > 250k th/yr				3	10	111	497	621	Recorded 2006
Total # bills/year	151,546	32,162	61,177	26,108	4,658	1,015	701	277,367	

2006 Recorded Data as % of Total

Band 1 0-100 th/yr	15.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.8%
Band 2 101-300 th/yr	17.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	17.3%
Band 3 301-3k th/yr	20.5%	9.9%	2.4%	0.0%	0.0%	0.0%	0.0%	32.7%
Band 4 3,001-12k th/yr	1.0%	1.5%	18.5%	1.3%	0.0%	0.0%	0.0%	22.4%
Band 5 12,001-50k th/yr	0.1%	0.1%	1.1%	7.8%	0.4%	0.0%	0.0%	9.6%
Band 6 50,001-250k th/yr	0.0%	0.0%	0.0%	0.3%	1.2%	0.3%	0.1%	2.0%
Band 7 > 250k th/yr	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
	54.6%	11.6%	22.1%	9.4%	1.7%	0.4%	0.3%	100.0%

Forecasted # Customers

Forecasted # Customers for CCI class 29,831 Alloc factors

Band 1 0-100 th/yr	4,727	0	0	0	0	0	0	4,727
Band 2 101-300 th/yr	5,133	25	1	0	0	0	0	5,160
Band 3 301-3k th/yr	6,112	2,943	705	6	0	0	0	9,765
Band 4 3,001-12k th/yr	294	458	5,526	394	1	0	0	6,672
Band 5 12,001-50k th/yr	30	32	338	2,328	128	1	0	2,857
Band 6 50,001-250k th/yr	3	2	10	80	371	96	22	584
Band 7 > 250k th/yr	0	0	0	0	1	12	53	67
Total Forecast # Customers	16,299	3,459	6,580	2,808	501	109	75	29,831

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

Total Forecast # Customers 26,338 3,418 75 29,831

SDGE NGV Cost Allocation

Embedded Cost

v10-3-2008

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	\$1,904	Cost Alloc
Less Compression Costs	\$97	SDGE EC model v.6.18.08 "NGV Allocators" tab [cell D17]
Less SDDFD 0.466%	\$9	
Total Transport Rev	\$1,797	

Pre SW Calculation of Compression Adder Rate:

EC Compression Costs	\$97	
Compression Volumes mth/yr	119	SDGE EC model v.6.18.08 "NGV Allocators" tab [cell D21]
Pre SW Compression Adder Rate \$/th	\$0.81676	

Calculation of Customer Charge Revenue:

	P-1	P-2A	Total	Source
# Customers	30	10	40	NGV Dept FC 12-18-2007/ Alloc Factors
Customer Charge \$/mo	\$13.00	\$65.00	\$25.86	
Customer Charge Revenue \$000	\$5	\$8	\$13	

Pre-SW Calculation of NGV Transportation Rate:

		Source
Total Transport Rev Stand Alone	\$1,797	
Less Customer Charge revenue \$000/yr	\$13	
Volumetric Revenue \$000/yr	\$1,785	
Transportation volumes mth/yr	15,238	Alloc Factors
Pre-SW NGV Transportation Rate \$/th	\$0.11713	

Post SW Rates:

	Uncompressed	Compressed	Total	
SW Volumetric Rate w/FFU \$/th	\$0.05221	\$0.86096	\$0.05848	SCG RD model/NGV Rates
AYTP Mth/yr	15,238	119	15,358	
SW Volumetric Revenue w/FFU \$000	\$796	\$103	\$898	
plus Customer Charge Revenue w/FFU	\$13		\$13	
Post SW Revenue w/FFU	\$808	\$103	\$911	
Pre SW Revenue w/FFU	\$1,797	\$97	\$1,895	
SW Adjustment w/FFU	(\$989)	\$5	(\$984)	

Calculation of SDG&E Residential NGV Fuelmaker Rates
Embedded Cost
v10-3-2008

Results of Res Data:	Rate	# Res Customers with Fuel Maker	AYTP Mth/yr	Revenue \$000/yr
Customer Charge \$/mo	\$5.00	832		\$50
Volumetric Rate \$/th	\$0.22041		521	\$115
				<u>\$165</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	\$182,636	Cost Alloc
# Res Customers	832,050	Alloc Factors
Residential Cost = \$/Customer/year	\$220	
Additional cost for FM = \$/customer/year	\$65	
Total cost for Res customer with FM = \$/customer/yr	\$284	
Total # FM customers	832	
Total Revenue from Res Customers with FM=\$000	\$237	
# Res Customers with FM	832	
Customer Charge = \$/mo	\$5.00	
Customer Charge Revenue = \$000/yr	\$50	
Volumetric Revenue from Res Customers with FM=\$000	\$187	
Total Mth/year of Res Customers with FM=Mth/yr	847	
Vol Transport Rate for Res Customer with FM=\$/th	\$0.22041	

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

Average Residential Th/year:		
Total Residential AYTP=Mth/yr	326,003	Alloc Factors
# Residential Customer	832,050	Alloc Factors
Average Residential Th/year	392	
Additional Th/year for FM:		
Total Fuel Maker Mth/yr	521	
Total # Fuel Maker customers	832	
Additional Th/year for Fuel Maker	626	
Total Th/year for Res Customer with FM = th/yr	1,018	
Total # FM customers	832	
Total Mth/year of Res Customers with FM=Mth/yr	847	

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

FM Usage Per Day Per Home (therm/day)	1.72	NGV Group 10/29/2007
x avg #days/month	30.3	NGV Group 10/29/2007
FM Usage Per Day Per Home (therm/day)	52.2	
Total # Res Customers	832,050	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	832	
Total FM Mth/yr	521	
Daily FM volume	1.4	
Monthly FM volume	43	

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

3,087	Alloc Factors
1.4	
0.05%	
\$43,952	Cost Allocation

Total MPD Costs \$000

\$20

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

55,290	Alloc Factors
43	
0.08%	
\$1,829	Cost Allocation

Total HPD Costs (\$1,000)

\$1

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	
369,798	Alloc Factors
521	Use AYTP of FM market
0.14%	
\$2,080	Cost Allocation

Incremental BBT Costs \$000

\$3

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

55,290	Alloc Factors
43	Use AYTP of FM market
0.08%	
\$4,570	Cost Allocation

Incremental Local-T costs \$000

\$4

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

Res CYPD Mth/d	3,087	Alloc Factors
FM Est Peak Day Mth/d:		
FM Est Peak Day Mth/d	1.4	
FM Peak Day as % Res Peak Day	0.05%	
Res Stoarage Costs - Seasonal \$000	(\$82)	Cost Allocation
Storage Costs - Seasonal for FM \$000	(\$0)	

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

Res AYTP Mth/y	326,003	Alloc Factors
FM Est AYTP Mth/y	521	
FM Peak Day as % Res Peak Day	0.16%	
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	521	
Co Use Trans rate as % of end use	0.232%	Misc Input
CoUse Trans for FM Mth/yr	1	
WACOG \$/dth	\$7.66	Misc Input
Co Use Transmission for FM \$000/yr	\$1	

Incremental UAF for FM \$000/yr:

FM Est AYTP Mth/y	521	
UAF rate as % of end use	0.880%	Misc Input
UAF for FM Mth/yr	5	
WACOG \$/dth	\$7.66	Misc Input
UAF for FM \$000/yr	\$4	

Incremental Transport Rev Req w/Sl, w/oFFU \$000/yr	\$53	
FFU Rate	102.45%	Cost Allocation
Incremental Transport Rev Req w/Sl, FFU \$000/yr	\$54	
# FM Customers	832	
Additional cost for FM = \$/customer/year	\$65	

SDG&E NonCore C&I Distribution Rates

Embedded Cost

v10-3-2008

Procedure

Calculate customer charge revenue.

Calculate total volumetric revenue.

	TOTAL	Source
Customer Charge Revenue \$000/yr:		
Forecast # Customers	60	NCCI Detail Alloc
Customer Chare \$/mo	\$350.00	
Customer Charge Revenue \$000/yr	<u>\$252</u>	
Calculation of Total Volumetric Revenue \$000:		
Total Costs Allocated to NCCI-D class \$000/yr	\$4,243	NCCI Detail Alloc
Less Customer Charge Revenue \$000	<u>\$252</u>	
Volumetric Revenue \$000	\$3,991	
AYTP NCCI-D Mth/yr	<u>37,270</u>	NCCI Detail Alloc
Volumetric Rate \$/th	<u>\$0.10707</u>	
Total Revenue \$000	\$4,243	
Average Rate \$/th	\$0.11383	

Existing Tier Differential:	MPS \$/th	% Diffrential	HPS \$/th	% Diffrential	TPS \$/th	% Diffrential
Winter	\$0.16013		\$0.10776		\$0.07475	
Summer	\$0.12877	80.4%	\$0.08429	78.2%	\$0.05912	79.1%

SDG&E EG-D Rates
Embedded Cost
v10-3-2008
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

Calculation of Pre SemptraWide EG-D Rate	EG-D Tier 1	EG-D Tier 2	Total	Source
AYTP mth/yr	27,097	152,425	179,522	EG-EOR Detail Alloc
Total revenue \$000/yr	\$3,098	\$5,864	\$8,962	EG-EOR Detail Alloc
total rate Incl Cust Chg \$/th	\$0.11434	\$0.03847	\$0.04992	
Customer Charge:				
Total Customers	57	8	65	EG-EOR Detail Alloc
Customer Charge	\$50.00	\$0.00		
Customer Charge Rev \$000/yr	\$34	\$0	\$34	
Volumetric Rate:				
Total revenue \$000/yr	\$3,098	\$5,864	\$8,962	
Less Customer Charge \$000/yr	\$34	\$0	\$34	
Volumetric Revenue \$000/yr	\$3,064	\$5,864	\$8,928	
Volumetric Rate /th	\$0.11307	\$0.03847	\$0.04973	
Post SW Rates:				
SW Volumetric Rate w/FFU \$/th	\$0.06576	\$0.03439		SCG RD model/EG-D Rates
AYTP Mth/yr	27,097	152,425	179,522	
SW Volumetric Revenue \$000	\$1,782	\$5,241	\$7,023	
plus Customer Charge Revenue \$000	\$34	\$0	\$34	
Post-SW Total Revenue \$000	\$1,816	\$5,241	\$7,058	
Pre-SW Total Revenue \$000	\$3,098	\$5,864	\$8,962	
SW Adjustment \$000	(\$1,282)	(\$623)	(\$1,905)	
Post-SW Total Revenue \$000	\$1,816	\$5,241	\$7,058	
AYTP Mth/yr	27,097	152,425	179,522	
Post SW Average Rate \$/th	\$0.06703	\$0.03439	\$0.03931	

SDG&E NCCI Detail Cost Allocation

Embedded Cost
v10-3-2008

MARGINAL COST COMPONENTS \$000's	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Source	Allocation Method
Embedded Costs:						
Customer Related Costs	\$2,077	\$1,963	\$114	\$2,077	Cost Alloc	%AYTP
Distribution Costs-MPS	\$912	\$912	\$0	\$912	Cost Alloc	100% Dist
Distribution Costs-HPS	\$60	\$60	\$0	\$60	Cost Alloc	100% Dist
Backbone Transmission Costs	\$685	\$631	\$54	\$685	Cost Alloc	%CYTP
Local Transmission Costs	\$401	\$370	\$32	\$401	Cost Alloc	%CYTP
Storage - Borrego	\$0	\$0	\$0	\$0	Cost Alloc	0%
Functionalized A&G	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
Core Seasonal Storage	\$0	\$0	\$0	\$0	Cost Alloc	0%
Storage - Load Balancing	\$0	\$0	\$0	\$0	Cost Alloc	%CYPM
	\$0	\$0	\$0	\$0	Cost Alloc	%CYPM
Total Margin Allocation w/o SI, FAR, Fuel Use, Season Storage w/FFU	\$4,136	\$3,936	\$200	\$4,136		
Less Backbone Transmission Costs	(\$685)	(\$631)	(\$54)	(\$685)		
Less Local Transmission Costs	(\$401)	(\$370)	(\$32)	(\$401)		
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$258	\$238	\$20	\$258	Cost Alloc	%CYTP
Plus Local Transmission Costs w/SI,FFU	\$285	\$262	\$22	\$285	Cost Alloc	%CYPM
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$3,592	\$3,436	\$157	\$3,592		

Other Operating Costs and Revenues

SCG Transport excl Core Storage & Load Balance \$000	\$399	\$367	\$31	\$399	Cost Alloc	%AYTP
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
SCG Load Balancing Allocated to ALL SDGE \$000	\$44	\$41	\$4	\$44	Cost Alloc	%CYPM
Co Use Transmission w/FFU \$000	\$74	\$68	\$6	\$74	Cost Alloc	%AYTP
LUAF	\$109	\$101	\$9	\$109	Cost Alloc	%AYTP
Company Use Gas: Other	\$10	\$9	\$1	\$10	Cost Alloc	%AYTP
n/a	\$0	\$0	\$0	\$0	Cost Alloc	0%
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	%EPMC
Core Averaging (10% of Res / Retail Difference)	\$0	\$0	\$0	\$0	Cost Alloc	0%
Subtotal Other Operating Costs and Revenues	\$636	\$586	\$50	\$636		

SDG&E NCCI Detail Cost Allocation

MARGINAL COST COMPONENTS \$000's	Total %	NCCI-D	NCCI-T
Embedded Costs:			
Customer Related Costs	100.0%	92.1%	7.9%
Distribution Costs-MPS	100.0%	100.0%	0.0%
Distribution Costs-HPS	100.0%	100.0%	0.0%
Backbone Transmission Costs	100.0%	92.1%	7.9%
Local Transmission Costs	100.0%	92.1%	7.9%
Storage - Borrego	0.0%	0.0%	0.0%
Functionalized A&G	100.0%	92.1%	7.9%
Core Seasonal Storage	0.0%	0.0%	0.0%
Storage - Load Balancing	100.0%	92.1%	7.9%
	100.0%	92.1%	7.9%
Total Margin Allocation w/o SI, FAR, Fuel Use, Season Storage w/FFU			
Less Backbone Transmission Costs			
Less Local Transmission Costs			
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	100.0%	92.1%	7.9%
Plus Local Transmission Costs w/SI,FFU	100.0%	92.1%	7.9%
<hr/> Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use <hr/>			
Other Operating Costs and Revenues			
SCG Transport excl Core Storage & Load Balance \$000	100.0%	92.1%	7.9%
SCG Core Seasonal Storage	100.0%	92.1%	7.9%
SCG Load Balancing Allocated to ALL SDGE \$000	100.0%	92.1%	7.9%
Co Use Transmission w/FFU \$000	100.0%	92.1%	7.9%
LUAF	100.0%	92.1%	7.9%
Company Use Gas: Other	100.0%	92.1%	7.9%
n/a	0.0%	0.0%	0.0%
n/a	0.0%	0.0%	0.0%
n/a	100.0%	92.1%	7.9%
n/a	100.0%	95.6%	4.4%
Core Averaging (10% of Res / Retail Difference)	0.0%	0.0%	0.0%
Subtotal Other Operating Costs and Revenues			

<u>Regulatory Accounts</u>	<u>NCCI Total</u>	<u>NCCI-D</u>	<u>NCCI-T</u>	<u>NCCI Total</u>	<u>Source</u>	<u>Allocation Method</u>
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	Cost Alloc	%EPMC
Adv Mtring Infrastructure Memo Acct AMIMA	\$0	\$0	\$0	\$0	Cost Alloc	%EPMC
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	%EPMC
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	Cost Alloc	%EPMC
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	Cost Alloc	ECPT-Core
Hazardous Substance Cleanup Cost Acct HSCCA	\$7	\$6	\$1	\$7	Cost Alloc	%AYTP
Interim Call Ctr Memo Acct. (ICCMA)	\$0	\$0	\$0	\$0	Cost Alloc	%EPMC
Interstate Transition Cost Surcharge Acct ITCSA	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
NFCA -Margin Only	(\$117)	(\$107)	(\$9)	(\$117)	Cost Alloc	%AYTP
NFCA -Nonmargin Other	\$246	\$227	\$19	\$246	Cost Alloc	%AYTP
NFCA -Nonmargin SCG	\$37	\$34	\$3	\$37	Cost Alloc	%AYTP
NGVA	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
Non-Core Gas Storage Balancing Acct GSBA-NC	\$13	\$12	\$1	\$13	Cost Alloc	%AYTP
PBOPBA	\$0	\$0	\$0	\$0	Cost Alloc	%EPMC
Pension BA	\$0	\$0	\$0	\$0	Cost Alloc	%EPMC
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	Cost Alloc	%AYTP
Rewards & Penalties Bal Acct RPBA	\$2	\$2	\$0	\$2	Cost Alloc	%EPMC
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	Cost Alloc	%EPMC
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	Cost Alloc	%EPMC
SGPMA - Rev Req for NEXT Year	\$14	\$13	\$1	\$14	Cost Alloc	%EPMC
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	Cost Alloc	%EPMC
Integrated Transmission ITBA	\$37	\$35	\$2	\$37	Cost Alloc	%EPMC
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	Cost Alloc	EPMC, Core
N/A						
Total Regulatory Accounts	\$238	\$222	\$17	\$238		
Transport Rev Req w/o BBT or FAR, w/ FFU \$000/yr	\$4,467	\$4,243	\$224	\$4,467		
AVERAGE YEAR THROUGHPUT, Mth/yr	40,463	37,270	3,193	40,463	Cost Alloc	
Average Rate \$/th	\$0.11039	\$0.11383	\$0.07019	\$0.11039		
FFU Rate	102.45%	102.45%	102.45%		Cost Alloc	
Estimated FAR \$000	\$224	\$206	\$18	\$224	Cost Alloc	%CYTP
Transport Rev Req w/ FAR & FFU \$000/yr	\$4,690	\$4,449	\$242	\$4,690		

<u>Calculation of Allocation Factors</u>	<u>NCCI Total</u>	<u>NCCI-D</u>	<u>NCCI-T</u>	<u>Source</u>	<u>Allocation Method</u>
# Customers	61	60	1	Alloc factors	%Customers
AYTP	40,463	37,270	3,193	Alloc factors	%AYTP
CYTP	40,463	37,270	3,193	Alloc factors	%CYTP
CYPM	3,447	3,175	272	Alloc factors	%CYPM
CYPM Dist Only	3,175	3,175	0		%CYPM Dist Only
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$3,592	\$3,436	\$157		%EPMC

Regulatory Accounts

	Total %	NCCI-D	NCCI-T
Adv Mtring Infrastructure Balancing Acct AMIBA	100.0%	95.6%	4.4%
Adv Mtring Infrastructure Memo Acct AMIMA	100.0%	95.6%	4.4%
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%	95.6%	4.4%
FERC Settlement Proceeds MA	100.0%	95.6%	4.4%
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	100.0%	92.1%	7.9%
Interim Call Ctr Memo Acct. (ICCMA)	100.0%	95.6%	4.4%
Interstate Transition Cost Surcharge Acct ITCSA	100.0%	92.1%	7.9%
NFCA -Margin Only	100.0%	92.1%	7.9%
NFCA -Nonmargin Other	100.0%	92.1%	7.9%
NFCA -Nonmargin SCG	100.0%	92.1%	7.9%
NGVA	100.0%	92.1%	7.9%
Non-Core Gas Storage Balancing Acct GSBA-NC	100.0%	92.1%	7.9%
PBOPBA	100.0%	95.6%	4.4%
Pension BA	100.0%	95.6%	4.4%
RD&D 1-Way Bal Acct (Pre-2001)	100.0%	92.1%	7.9%
Rewards & Penalties Bal Acct RPBA	100.0%	95.6%	4.4%
Self Gen Memo Acct - SGPMA-CSI	100.0%	95.6%	4.4%
Self Gen Memo Acct - SGPMA-NonCSI	100.0%	95.6%	4.4%
SGPMA - Rev Req for NEXT Year	100.0%	95.6%	4.4%
Gain/Loss on Sale Memo Acct GLOSMA	100.0%	95.6%	4.4%
Integrated Transmission ITBA	100.0%	95.6%	4.4%
Natural Gas Supp Refund Track Acct	0.0%	0.0%	0.0%
N/A			

Total Regulatory Accounts**Transport Rev Req w/o BBT or FAR, w/ FFU \$000/yr**

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate

Estimated FAR \$000	100.0%	92.1%	7.9%
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Transport Rev Req w/ FAR & FFU \$000/yr**Calculation of Allocation Factors**

	Total %	NCCI-D	NCCI-T
# Customers	100.0%	98.4%	1.6%
AYTP	100.0%	92.1%	7.9%
CYTP	100.0%	92.1%	7.9%
CYPM	100.0%	92.1%	7.9%
CYPM Dist Only	100.0%	100.0%	0.0%
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	100.0%	95.6%	4.4%

SDG&E EG Detail Cost Allocation

Embedded Cost
v10-3-2008

MARGINAL COST COMPONENTS \$000's	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T
Embedded Costs:						
Customer Related Costs	\$1,647	\$422	\$2,069	\$1,453	\$400	\$216
Distribution Costs-MPS	\$556	\$0	\$556	\$556	\$0	\$0
Distribution Costs-HPS	\$42	\$238	\$280	\$42	\$238	\$0
Backbone Transmission Costs	\$572	\$10,875	\$11,447	\$459	\$2,581	\$8,406
Local Transmission Costs	\$409	\$6,731	\$7,140	\$274	\$1,452	\$5,415
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Functionalized A&G	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI, FAR, Fuel Use, Season Storage w/FFU	\$3,226	\$18,266	\$21,492	\$2,784	\$4,671	\$14,037
Less Backbone Transmission Costs	(\$572)	(\$10,875)	(\$11,447)	(\$459)	(\$2,581)	(\$8,406)
Less Local Transmission Costs	(\$409)	(\$6,731)	(\$7,140)	(\$274)	(\$1,452)	(\$5,415)
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$215	\$4,096	\$4,312	\$173	\$972	\$3,166
Plus Local Transmission Costs w/SI,FFU	\$291	\$4,780	\$5,070	\$194	\$1,031	\$3,845
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$2,751	\$9,537	\$12,288	\$2,418	\$2,641	\$7,228
Other Operating Costs and Revenues						
SCG Transport excl Core Storage & Load Balance \$000	\$333	\$6,332	\$6,665	\$267	\$1,503	\$4,895
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
SCG Load Balancing Allocated to ALL SDGE \$000	\$37	\$706	\$743	\$28	\$151	\$563
Co Use Transmission w/FFU \$000	\$61	\$1,168	\$1,229	\$49	\$277	\$903
LUAF	\$91	\$1,732	\$1,823	\$73	\$411	\$1,339
Company Use Gas: Other	\$8	\$152	\$160	\$6	\$36	\$118
n/a	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0	\$0	\$0
Core Averaging (10% of Res / Retail Difference)	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$530	\$10,090	\$10,620	\$424	\$2,378	\$7,817

SDG&E EG Detail Cost Allocation

MARGINAL COST COMPONENTS \$000's	EG Total	Source	Allocation Method	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
Embedded Costs:							
Customer Related Costs	\$2,069	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
Distribution Costs-MPS	\$556	Cost Alloc	%CYPM Dist only	100.0%	15.9%	84.1%	0.0%
Distribution Costs-HPS	\$280	Cost Alloc	%CYPM Dist only	100.0%	15.9%	84.1%	0.0%
Backbone Transmission Costs	\$11,447	Cost Alloc	%CYTP	100.0%	4.0%	22.6%	73.4%
Local Transmission Costs	\$7,140	Cost Alloc	%CYTP	100.0%	4.0%	22.6%	73.4%
Storage - Borrego	\$0	Cost Alloc	0%	0.0%	0.0%	0.0%	0.0%
Functionalized A&G	\$0	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
Core Seasonal Storage	\$0	Cost Alloc	0%	0.0%	0.0%	0.0%	0.0%
Storage - Load Balancing	\$0	Cost Alloc	%CYPM	100.0%	3.8%	20.3%	75.8%
	\$0	Cost Alloc	%CYPM	100.0%	3.8%	20.3%	75.8%
Total Margin Allocation w/o SI, FAR, Fuel Use, Season Storage w/FFU	\$21,492						
Less Backbone Transmission Costs	(\$11,447)						
Less Local Transmission Costs	(\$7,140)						
Plus Backbone Transmission Costs w/SI, FFU w/oFAR	\$4,312	Cost Alloc	%CYTP	100.0%	4.0%	22.6%	73.4%
Plus Local Transmission Costs w/SI,FFU	\$5,070	Cost Alloc	%CYPM	100.0%	3.8%	20.3%	75.8%
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$12,288						
Other Operating Costs and Revenues							
SCG Transport excl Core Storage & Load Balance \$000	\$6,665	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
SCG Core Seasonal Storage	\$0	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
SCG Load Balancing Allocated to ALL SDGE \$000	\$743	Cost Alloc	%CYPM	100.0%	3.8%	20.3%	75.8%
Co Use Transmission w/FFU \$000	\$1,229	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
LUAF	\$1,823	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
Company Use Gas: Other	\$160	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
n/a	\$0	Cost Alloc	0%	0.0%	0.0%	0.0%	0.0%
n/a	\$0	Cost Alloc	0%	0.0%	0.0%	0.0%	0.0%
n/a	\$0	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
n/a	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Core Averaging (10% of Res / Retail Difference)	\$0	Cost Alloc	0%	0.0%	0.0%	0.0%	0.0%
Subtotal Other Operating Costs and Revenues	\$10,620						

Regulatory Accounts

	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0
Adv Mtring Infrastructure Memo Acct AMIMA	\$0	\$0	\$0	\$0	\$0	\$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	\$0	\$0	\$0	\$0	\$0	\$0
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	\$6	\$111	\$117	\$5	\$26	\$86
Interim Call Ctr Memo Acct. (ICCMA)	\$0	\$0	\$0	\$0	\$0	\$0
Interstate Transition Cost Surcharge Acct ITCSA	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	(\$97)	(\$1,851)	(\$1,948)	(\$78)	(\$439)	(\$1,430)
NFCA -Nonmargin Other	\$205	\$3,906	\$4,111	\$165	\$927	\$3,019
NFCA -Nonmargin SCG	\$31	\$584	\$615	\$25	\$139	\$451
NGVA	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$11	\$205	\$216	\$9	\$49	\$158
PBOPBA	\$0	\$0	\$0	\$0	\$0	\$0
Pension BA	\$0	\$0	\$0	\$0	\$0	\$0
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$2	\$6	\$8	\$1	\$2	\$4
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	\$10	\$36	\$46	\$9	\$10	\$27
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission ITBA	\$30	\$580	\$611	\$120	\$131	\$359
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0
N/A						
Total Regulatory Accounts	\$198	\$3,577	\$3,775	\$255	\$844	\$2,675
Transport Rev Req w/o BBT or FAR, w/ FFU \$000/yr	\$3,479	\$23,203	\$26,682	\$3,098	\$5,864	\$17,720
AVERAGE YEAR THROUGHPUT, Mth/yr	33,749	642,167	675,916	27,097	152,425	496,393
Average Rate \$/th	\$0.10309	\$0.03613	\$0.03948	\$0.11434	\$0.03847	\$0.03570
FFU Rate	102.45%	102.45%	102.45%	102.45%	102.45%	102.45%
Estimated FAR \$000	\$186	\$3,548	\$3,734	\$150	\$842	\$2,743
Transport Rev Req w/ FAR & FFU \$000/yr	\$3,666	\$26,751	\$30,417	\$3,248	\$6,706	\$20,463

Calculation of Allocation Factors

	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T
# Customers	81	57	8	16
AYTP	675,916	27,097	152,425	496,393
AYTP Distribution Only	179,522	27,097	152,425	0
CYTP	675,916	27,097	152,425	496,393
CYPM	61,345	2,351	12,473	46,521
CYPM Dist Only	14,824	2,351	12,473	0
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use	\$12,288	\$2,418	\$2,641	\$7,228

Regulatory Accounts	EG Total	Source	Allocation Method	Total %	EG-D	EG-D	EG-T
					Tier 1	Tier 2	
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Adv Mtring Infrastructure Memo Acct AMIMA	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Baseline Balance BA	\$0	Cost Alloc	100% Res	0.0%	0.0%	0.0%	0.0%
CFCA -Margin Only	\$0	Cost Alloc	ECPT-Core	0.0%	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	\$0	Cost Alloc	ECPT-Core	0.0%	0.0%	0.0%	0.0%
CFCA -Nonmargin SCG	\$0	Cost Alloc	ECPT-Core	0.0%	0.0%	0.0%	0.0%
CA Solar Initiative Balancing Acct CSIBA	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
FERC Settlement Proceeds MA	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Core Gas Storage Balancing Acct. GSBA-C	\$0	Cost Alloc	ECPT-Core	0.0%	0.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	\$117	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
Interim Call Ctr Memo Acct. (ICCMA)	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Interstate Transition Cost Surcharge Acct ITCSA	\$0	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
NFCA -Margin Only	(\$1,948)	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
NFCA -Nonmargin Other	\$4,111	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
NFCA -Nonmargin SCG	\$615	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
NGVA	\$0	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
Non-Core Gas Storage Balancing Acct GSBA-NC	\$216	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
PBOPBA	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Pension BA	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
RD&D 1-Way Bal Acct (Pre-2001)	\$0	Cost Alloc	%AYTP	100.0%	4.0%	22.6%	73.4%
Rewards & Penalties Bal Acct RPBA	\$8	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Self Gen Memo Acct - SGPMA-CSI	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Self Gen Memo Acct - SGPMA-NonCSI	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
SGPMA - Rev Req for NEXT Year	\$46	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Gain/Loss on Sale Memo Acct GLOSMA	\$0	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Integrated Transmission ITBA	\$611	Cost Alloc	%EPMC	100.0%	19.7%	21.5%	58.8%
Natural Gas Supp Refund Track Acct	\$0	Cost Alloc	EPMC, Core	0.0%	0.0%	0.0%	0.0%
N/A							
Total Regulatory Accounts	\$3,775						
Transport Rev Req w/o BBT or FAR, w/ FFU \$000/yr	\$26,682						
AVERAGE YEAR THROUGHPUT, Mth/yr	675,916	Cost Alloc					
Average Rate \$/th	\$0.03948						
FFU Rate		Cost Alloc					
Estimated FAR \$000	\$3,734	Cost Alloc	%CYTP	100.0%	4.0%	22.6%	73.4%
Transport Rev Req w/ FAR & FFU \$000/yr	\$30,417						
Calculation of Allocation Factors							
		Source	Allocation Method	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
# Customers		Alloc factors	%Customers	100.0%	70.2%	10.3%	19.6%
AYTP		Alloc factors	%AYTP	100.0%	4.0%	22.6%	73.4%
AYTP Distribution Only			%AYTP Dist Only	100.0%	15.1%	84.9%	0.0%
CYTP		Alloc factors	%CYTP	100.0%	4.0%	22.6%	73.4%
CYPM		Alloc factors	%CYPM	100.0%	3.8%	20.3%	75.8%
CYPM Dist Only			%CYPM Dist Only	100.0%	15.9%	84.1%	0.0%
Total Allocated Base Margin w/SI, FFU w/o FAR, Reg Gap, Fuel Use			%EPMC	100.0%	19.7%	21.5%	58.8%

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

ded Cost
2008

A	2007 Revenue				SDFFD FACTOR
	City of San Diego		Total System		
	Applicable SD Revs	SDFFD Revenues	with SDFFD	w/o SDFFD	
B	C	D	E	F	
	(in 000s)	(in 000s)	(in 000s)	(in 000s)	
Schedule		1.019%			
Single Family (GR)	\$128,211	\$1,307	\$298,044	\$296,737	0.440%
Single Family Low Income (GR-LI)	\$19,563	\$199	\$42,146	\$41,946	0.475%
Multi Family (GM/GS/GT)	\$31,166	\$318	\$64,270	\$63,953	0.497%
LNG Fac. Chg. (GL-1)	\$0	\$0	\$69	\$69	0.000%
Res Aggreg Trans (GTAGTC)	\$95.68	\$1	\$129.64	\$129	0.758%
Total Core Residential	\$179,036	\$1,825	\$404,659	\$402,834	0.453%
Small Commercial (GN-1\3)	\$81,608	\$832	\$150,219	\$149,387	0.557%
NGV Vehicles (NGV)	\$3,634	\$37	\$7,983	\$7,946	0.466%
Comm Aggreg Trans (GTARC)	\$1,882.89	\$19	\$3,175.10	\$3,156	0.608%
Total Core Commercial	\$87,125	\$888	\$161,377	\$160,489	0.553%
TOTAL CORE	\$266,161	\$2,714	\$566,036	\$563,323	0.482%
Core Subscription Noncogen Com. (GPNC)	\$1,044	\$11	\$1,305	\$1,294	0.823%
Core Subscription Cogen Com. (GPNC\EG)	\$433	\$4	\$443	\$438	1.007%
Noncore Noncogen Com. (GPNC)	\$808	\$8	\$964	\$955	0.863%
Noncore Cogen Com. (GPNC\EG)	\$68	\$1	\$425	\$425	0.162%
Power Plant	\$0	\$0	\$2,933	\$2,933	0.000%
NonCogen Trans. (GTNC)	\$2,556	\$26	\$3,874	\$3,848	0.677%
Cogen Trans. (GTCG\EG) (excl. Rosarito)	\$7,020	\$72	\$21,121	\$21,049	0.340%
TOTAL NONCORE	\$11,929	\$122	\$31,064	\$30,943	0.393%
TOTAL GAS	\$278,090	\$2,835	\$597,101	\$594,265	0.477%
Rosarito	transmission-only service / outside of San Diego city limits				0.000%
Former UEG	South Bay and Encina outside of San Diego city limits				0.000%

Workpaper No. 1 -- SAN DIEGO GAS & ELECTRIC -- SUMMARY OF COST ALLOCATION

highlights =cost items that are changed from 9-21-07

Regulatory Account Forecast for 2008 as of 10/12/2007 >> 2008 Rate Model with SI

highlights =cost items that are changed or new

Description	CORE				Total	NONCORE				TOTAL SYSTEM		
	Resid	Sm C&I	NGV	Lg C&I		GTNC	COGEN	GTUEG	Total			
<< thousands of dollars >>												
Margin Allocation												
Marginal Cost Revenue- Post SI	\$83,726	\$10,250	\$339	\$322	\$94,637	\$2,003	\$1,400	\$273	\$3,676	\$98,313	<D.00-04-060	
EPMC Allocator	85.16%	10.43%	0.34%	0.33%	96.26%	2.04%	1.42%	0.28%	3.74%	100.00%	<D.00-04-060	
BCAP Adopted Margin Less Transmission Cost on LRMC Basis										\$169,741	<COS Ph1 Base Margin	
+ Revised RPBA Amortization										\$551	<2005 RPBA	
- Revised 2005RPBA Amortization (2005 RPBA Amortization allocation calculation moved to balancing accounts section)										(\$551)	<minus 2005 RPBA	
Margin Allocation	\$144,556	\$17,697	\$585	\$556	\$163,394	\$3,458	\$2,417	\$471	\$6,347	\$169,741		
Core De-Avg + Adj	(\$4,711)	\$5,272	\$705	(\$561)	\$705	\$0	\$0	\$0	\$0	\$705		
Adj Margin to Alloc Rate Indexing	\$139,845	\$22,969	\$1,290	(\$5)	\$164,099	\$3,458	\$2,417	\$471	\$6,347	\$170,446		
Allocator for Rate Indexing	82.0%	13.5%	0.8%	0.0%	96.3%	2.0%	1.4%	0.3%	3.7%	100.0%		
+ PBR Indexing for 2005 (effective Jun-1-05)										\$6,324	<AL 1520-G	
+ MICAM for 2005 (effective Jun-1-05)										(\$3,568)	<AL 1520-G	
+ COC Margin Update(effective Jan-1-06)										\$628	<D.05-12-043	
+ COC Margin Update(Proposed eff Jan-1-08)										\$1,350	<A.07-05-007, 11/06/07 8.4% PD	
+ PBR Indexing for 2006 (effective Jan-1-06)										\$7,031	<AL 1565-G	
+ PBR Indexing True-up for 2005 (effective Jan-1-06)										\$502	<AL 1565-G	
+ PBR Indexing for 2007 (estimated September,2006)										\$7,920		
+ PBR Indexing True-up for 2005 (effective Jan-1-07)										(\$138)		
+ PBR Indexing True-up for 2006 (effective Jan-1-07)										(\$5)		
Net PBR Indexing Allocation	\$16,445	\$2,701	\$152	(\$1)	\$19,297	\$407	\$284	\$55	\$746	\$20,044	<Base Margin in Rates	
Adjusted Base Margin in Rates	\$161,001	\$20,398	\$737	\$555	\$182,692	\$3,865	\$2,701	\$527	\$7,093	\$189,785		
<u>Non-Margin Allocation</u>												
Balancing Accounts	\$20,152	\$6,428	\$210	\$311	\$27,100	\$506	\$849	\$3,341	\$4,697	\$31,797	<AL1562-G-A	
SoCalGas Transport w/FF&U	\$3,383	\$1,282	\$42	\$64	\$4,770	\$894	\$1,752	\$7,560	\$10,205	\$14,976	<SCG AL 3570	
SoCalGas Storage	\$3,651	\$1,245	\$45	\$70	\$5,011	\$136	\$57	\$0	\$194	\$5,205	<AL1562-G-A	
Integrated Transmission Charges (LRMC)	\$5,743	\$2,034	\$64	\$100	\$7,940	\$1,368	\$2,681	\$11,571	\$15,620	\$23,561		
Other Expense	\$1,668	\$603	\$20	\$30	\$2,321	\$396	\$771	\$3,274	\$4,441	\$6,763		
less CCSI	(\$159)	(\$35)	(\$1)	(\$2)	(\$196)	(\$18)	(\$36)	(\$107)	(\$161)	(\$357)	<AL1562-G-A	
less Chg to match 5/1/04 rates	(\$114)	(\$43)	(\$1)	(\$2)	(\$160)	(\$30)	(\$59)	(\$254)	(\$343)	(\$504)		
Self Gen CSI Revenue 2006	\$2,382	\$292	\$10	\$9	\$2,692	\$57	\$40	\$8	\$105	\$2,797	<D.05-12-044	
Remove SG CSI 2006 Revenue	(\$2,382)	(\$292)	(\$10)	(\$9)	(\$2,692)	\$87	(\$57)	(\$40)	(\$8)	(\$105)	<SB-1	
AMI rev req incl FF&U	(\$1,160)	(\$142)	(\$5)	(\$4)	(\$1,312)	\$87	(\$28)	(\$19)	(\$4)	(\$51)	AL 1693-G	
Care Costs										\$0		
Non-margin Subtotal	\$33,163	\$11,372	\$374	\$566	\$45,475	\$3,225	\$5,997	\$25,381	\$34,602	\$80,077		

Cost-Based Revenue	\$194,165	\$31,770	\$1,110	\$1,122	\$228,166	\$7,090	\$8,698	\$25,907	\$41,695	\$269,862
Core De-Avg 2000	(\$21,203)	\$20,978	\$0	\$224	(\$0)	\$0	\$0	\$0	\$0	(\$0)
Core De-Avg 2001	\$2,356	(\$2,244)	\$0	(\$112)	\$0	\$0	\$0	\$0	\$0	\$0
Core De-Avg 2002	\$2,356	(\$2,244)	\$0	(\$112)	\$0	\$0	\$0	\$0	\$0	\$0
Core De-Avg 2003	\$2,356	(\$2,244)	\$0	(\$112)	\$0	\$0	\$0	\$0	\$0	\$0
Core De-Avg 2004	\$2,356	(\$2,244)	\$0	(\$112)	\$0	\$0	\$0	\$0	\$0	\$0
Core De-Avg 2005	\$2,356	(\$2,244)	\$0	(\$112)	\$0	\$0	\$0	\$0	\$0	\$0
Core De-Avg 2006	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 <AL1562-G-A
Core De-Avg 2007	\$2,356	(\$2,244)	\$0	(\$112)	\$0	\$0	\$0	\$0	\$0	\$0
Core De-Avg 2008	\$2,356	(\$2,244)	\$0	(\$112)	\$0	\$0	\$0	\$0	\$0	\$0
NGV Rev Adjustment 1			\$705		\$705				\$0	\$705
NGV Rev Adjustment 2			\$1,967		\$1,967				\$0	\$1,967
Cogen-UEG Rate Parity Adjust	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,188)	\$2,188	\$0	\$0
Proposed Rate Revenues	\$189,454	\$37,041	\$3,782	\$560	\$230,838	\$7,090	\$6,510	\$28,095	\$41,695	\$272,534
Transportation Rate Summary										
								Present Rate EG Subsidy=	(\$16,041)	<< Updated
Proposed Vol (mtherms)	326,207	123,612	4,030	6,182	460,031	86,211	168,926	729,000	984,137	1,444,168 << Updated
Present Rate Rev	\$187,762	\$38,773	\$3,716	\$666	\$230,917	\$9,546	\$7,188	\$31,018	\$47,751	\$278,668
Present Average Rate	57.559	31.366	92.203	10.776	50.196	11.073	4.255	4.255	4.852	19.296
Initial Proposed Rate Rev	\$189,454	\$37,041	\$3,782	\$560	\$230,838	\$7,090	\$6,510	\$28,095	\$41,695	\$272,534
Initial Proposed Avg Rate	58.078	29.966	93.850	9.066	50.179	8.224	3.854	3.854	4.237	18.871
Proposed Average Semprawide Billing Rate for SDG&E							3.692	3.692		
Difference from Initial Proposed Rates							(0.162)	(0.162)		<<This filing
Revenue Difference							(\$273)	(\$1,179)	(\$1,452)	(\$1,452)
Proposed Rev	\$189,454	\$37,041	\$3,782	\$560	\$230,838	\$7,090	\$6,237	\$26,916	\$40,243	\$271,082
El Paso Settlement Adjustment	\$0	\$0	\$0	\$0	\$0					
Final Proposed Revenue	\$189,454	\$37,041	\$3,782	\$560	\$230,838	\$7,090	\$6,237	\$26,916	\$40,243	\$271,082
Changed Rate Revenues	\$1,692	(\$1,731)	\$66	(\$106)	(\$79)	(\$2,456)	(\$950)	(\$4,101)	(\$7,508)	(\$7,587)
Changed Average Rate	0.519	(1.401)	1.647	(1.710)	(0.017)	(2.849)	(0.563)	(0.563)	(0.763)	(0.525)
Percent Change	0.9%	-4.5%	1.8%	-15.9%	-0.0%	-25.7%	-13.2%	-13.2%	-15.7%	-2.7%
Core De-Averaging Amt	\$2,356	(\$2,356)	\$1000 per year; held constant per Joint Agreement, D.00-04-060, Appendix A.							
Core De-Averaging Rate	0.722	(1.815)	cents/therm/year, allocated over GN-1 and GN-2 volumes only							
	\$0.581	\$0.300	\$0.939	\$0.091	\$0.502	\$0.082	\$0.037	\$0.037	\$0.041	\$0.188

**SAN DIEGO GAS & ELECTRIC
System Integration Application**

SUMMARY OF MARGINAL COSTS

Description	CORE					NONCORE					TOTAL SYSTEM
	Resid	Sm C&I	NGV	Lg C&I	Total	GTNC	COGEN	GTUEG	Total		
A	B	C	D	E	F	G	H	I	J	K	
Customer Marginal Costs											
\$/Customer=Year	\$67	\$88	\$542	\$3,436	\$68	\$4,499	\$4,678	\$26,756	\$6,034	\$69	
Number of Customers	711,899	27,449	302	17	739,667	90	51	10	151	739,818	
Customer Marginal Costs	\$47,740	\$2,411	\$164	\$58	\$50,373	\$405	\$239	\$268	\$911	\$51,285	
Distribution Marginal Costs											
Medium Pressure Cost	\$103.33	\$103.33	\$103.33	\$103.33		\$103.33	\$103.33	\$103.33			
NPD - MPS	259,824	56,596	1,269	1,840		8,908	2,346	0			
Marginal Costs - MPS	\$26,848	\$5,848	\$131	\$190	\$33,017	\$920	\$242	\$0	\$1,163	\$34,180	
High Pressure Cost	\$35.17	\$35.17	\$35.17	\$35.17		\$35.17	\$35.17	\$35.17			
NPD - HPS	259,824	56,596	1,269	2,088		19,281	26,139	141			
Marginal Costs - HPS	\$9,138	\$1,990	\$45	\$73	\$11,247	\$678	\$919	\$5	\$1,602	\$12,849	
Transmission Marginal Costs											
Cold-Yr Pk-Month	51,364	14,597	331	644		7,309	14,401	38,350			
Conversion Factor	10.10	10.10	10.10	10.10		10.10	10.10	10.10			
Cold-Yr Pk-Month	5,086	1,445	33	64		724	1,426	3,797			
Fixed Trans. Cost \$/Mcf	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00			
Marginal Cost - Fixed TLS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Fuel Trans. Cost \$/mtherm	\$0.000	\$0.000	\$0.000	\$0.000		\$0.000	\$0.000	\$0.000			
Adj. Avg-Yr Delv	326,207	123,612	4,030	6,182		86,211	168,926	729,000			
Marginal Cost - Fuel TLS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Marginal Cost - TLS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Marginal Cost Summary											
Customer Marginal Costs	\$47,740	\$2,411	\$164	\$58	\$50,373	\$405	\$239	\$268	\$911	\$51,285	
Marginal Costs - MPS	\$26,848	\$5,848	\$131	\$190	\$33,017	\$920	\$242	\$0	\$1,163	\$34,180	
Marginal Costs - HPS	\$9,138	\$1,990	\$45	\$73	\$11,247	\$678	\$919	\$5	\$1,602	\$12,849	
Marginal Cost - TLS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Marginal Costs	\$83,726	\$10,250	\$339	\$322	\$94,637	\$2,003	\$1,400	\$273	\$3,676	\$98,313	
EPMC Factor	85.16%	10.43%	0.35%	0.33%	96.26%	2.04%	1.42%	0.28%	3.74%	100.00%	
Scaled	\$144,556	\$17,697	\$585	\$556	\$163,394	\$3,458	\$2,417	\$471	\$6,347	\$169,741	
Scalar	1.73	1.73	1.72	1.73	1.73	1.73	1.73	1.73	1.73	1.73	

Workpaper No. 3

SAN DIEGO GAS & ELECTRIC -- COST CATEGORY DETAILS

Regulatory Account Forecast for 2008 as of 10/12/2007 >> 2008 Rate Model with SI

Description	CORE					NONCORE				TOTAL	
	Resid	Sm C&I	NGV	Lg C&I	Total	GTNC	COGEN	GTUEG	Total	SYSTEM	
Adopted Vol (mtherms)	326,207	123,612	4,030	6,182	460,031	86,211	168,926	729,000	984,137	1,444,168	
Adopted CYTP (mtherms)	361,824	128,138	4,030	6,290	500,282	86,211	168,926	729,000	984,137	1,484,419	From AL 1647-G
Part A: Balancing Account Amortizations											
NGVA	\$124	\$47	\$2	\$2	\$175	\$33	\$64	\$277	\$374	549	\$0
Core Gas Storage Balancing Acct.	\$7,841	\$2,971	\$97	\$149	\$11,058				\$0	11,058	\$7,260
Non-Core Gas Storage Balancing Acct.						\$48	\$95	\$410	\$553	553	\$414
Interstate Transition Cost Surcharge Acct.	(\$32)	(\$12)	(\$0)	(\$1)	(\$45)	(\$8)	(\$16)	(\$71)	(\$96)	(140)	(\$23)
Non-Margin Fixed Cost Acct - SCGas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0
Non-Margin Fixed Cost Acct - Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0
Integrated Transmission Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-	\$0
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-	(\$273)
BBA Baseline Balance	\$0				\$0				\$0	-	\$91
CFCA -Margin Only	\$4,140	\$1,569	\$51	\$78	\$5,838					5,838	(3,946)
CFCA -Nonmargin SCG	\$643	\$244	\$8	\$12	\$907					907	459
CFCA -Nonmargin Other	\$2,258	\$856	\$28	\$43	\$3,185				\$0	3,185	1,810
NFCA -Margin Only					\$0	(\$44)	(\$86)	(\$370)	(\$500)	(500)	507
NFCA -Nonmargin SCG					\$0	\$126	\$248	\$1,070	\$1,444	1,444	1,376
NFCA -Nonmargin Other					\$0	\$202	\$397	\$1,712	\$2,311	2,311	4,759
Rewards & Penalties Bal Acct.	\$3,999	\$490	\$16	\$15	\$4,521	\$96	\$67	\$13	\$176	4,696	\$3,159
Adv Mtring Infrastructure Memo Acct	\$791	\$97	\$3	\$3	\$894	\$19	\$13	\$3	\$35	928	\$938
Adv Mtring Infra Balancing Acct										-	\$0
Pension balancing Acct										-	\$0
PBOPBA										-	\$0
Interim Call Ctr Memo Acct. (ICMA)										-	\$0
Self Gen Memo Acct - non CSI	\$643	\$79	\$3	\$2	\$727	\$15	\$11	\$2	\$28	755	2,187
Self Gen Memo Acct - CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-	\$0
Gain/Loss on Sale Memo. Acct (GLOSMA)	(\$836)	(\$102)	(\$3)	(\$3)	(\$945)	(\$20)	(\$14)	(\$3)	(\$37)	(982)	\$0
Naf Gas Sup Refunds Track Acct										-	\$0
Hazardous Substance Cleanup Cost Acct.	\$98	\$37	\$1	\$2	\$138	\$26	\$51	\$219	\$296	435	\$1,094
Subtotal	\$19,670	\$6,274	\$205	\$303	\$26,452	\$494	\$829	\$3,261	\$4,584	\$31,037	\$19,812
+FF&U @	2.45%	\$482	\$154	\$5	\$648	\$12	\$20	\$80	\$112	\$760	\$485
Total Bal Accts	\$20,152	\$6,428	\$210	\$311	\$27,100	\$506	\$849	\$3,341	\$4,697	\$31,797	\$20,297

Part B: Global Settlement Credit - Allocation to Core Only -- Eliminated per AL 1250-G

Part C: ECPT Allocation of SoCalGas Transport costs to SDG&E (per BCAP D.00-04-060) and (per SoCalGas A.04-12-004, SI-FAR-OFF Application Filing)

Proposed Transport	\$3,302	\$1,251	\$41	\$63		\$873	\$1,710	\$7,379		14,618	\$37,675
+FF&U @ 2.45%	\$81	\$31	\$1	\$2		\$21	\$42	\$181		\$358	\$923
SCGas Transport w/FF&U	\$3,383	\$1,282	\$42	\$64	\$4,770	\$894	\$1,752	\$7,560	\$10,205	\$14,976	\$38,598
Present SCG Transport	\$8,510	\$3,225	\$105	\$161		\$2,249	\$4,407	\$19,018		\$37,675	
+FF&U @ 2.45%	\$208	\$79	\$3	\$4		\$55	\$108	\$466		\$923	
	\$8,718	\$3,304	\$108	\$165		\$2,304	\$4,515	\$19,484		\$38,598	

Old FF&U for SoCalGas was listed in the "Other Expense" category in the Cost Allocation Summary Table

Part C-2: Other Expense adopted in BCAP D.00-04-060:

LUAf = AYTP Alloc	\$827	\$314	\$10	\$16	\$1,167	\$219	\$428	\$1,849	\$2,496	\$3,663	\$3,663
CU = AYTP Alloc	\$376	\$143	\$5	\$7	\$531	\$99	\$195	\$841	\$1,135	\$1,666	\$1,086
FF&U Other 2.45%	\$29	\$11	\$0	\$1	\$42	\$8	\$15	\$66	\$89	\$131	\$116
FF&U SoCalGas	\$276	\$101	\$3	\$5	\$386	\$52	\$97	\$411	\$560	\$946	\$946
CCSI Costs	\$159	\$35	\$1	\$2	\$196	\$18	\$36	\$107	\$161	\$357	\$357
Total Other Expense	\$1,668	\$603	\$20	\$30	\$2,321	\$396	\$771	\$3,274	\$4,441	\$6,763	\$6,168

Adopted in BCAP D.00-04-060

LUAf = AYTP Alloc	\$827	\$314	\$10	\$16	\$1,167	\$219	\$428	\$1,849	\$2,496	\$3,663	
CU = AYTP Alloc	\$245	\$93	\$3	\$5	\$346	\$65	\$127	\$548	\$740	\$1,086	
FF&U Other	\$27	\$10	\$0	\$1	\$38	\$7	\$14	\$60	\$82	\$120	
FF&U SoCalGas	\$276	\$101	\$3	\$5	\$386	\$52	\$97	\$411	\$560	\$946	
CCSI Costs	\$159	\$35	\$1	\$2	\$196	\$18	\$36	\$107	\$161	\$357	
BCAP Adopted Other Expense	\$1,535	\$553	\$18	\$28	\$2,133	\$361	\$702	\$2,975	\$4,039	\$6,171	

<Removed per GIR
Implementation Part 2
AL 1496-G, Wrkp#3,
Part E

Part D: Core De-Averaging - Annualized Change per 1999 BCAP Decision D. 00-04-060

Residential	\$2,356				\$2,356						
Schedule GN-3		(\$2,244)	\$0	(\$112)	(\$2,356)						

Rev Amt adopted in D.00-04-060, Appendix E, Table 2

Core deaveraging shifts res to C&I but not the NGV (i.e. No reallocation to NGV)

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

Embedded Cost

v10-3-2008

Choose Cost Allocation Results to be used:

Choose cost allocation method	Embedded Cost	Embedded Cost
		LRMC
		LRMC-NCO

Data From SCG RD Model

Data From SCG RD Model		Model / Source	
Allocated Local T under SI w/FFU \$000	Res	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	NGV	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Core C&I	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Total Core	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	NCCI	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	EG Tier 1	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	EG Tier 2	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Total EG	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Total NonCore	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	System Total	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Res	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	NGV	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Core C&I	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Total Core	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	NCCI	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	EG Tier 1	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	EG Tier 2	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Total EG	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Total NonCore	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	System Total	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	Res	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	NGV	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	CCI	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	total Core	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	NCCI	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	EG Tier 1	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	EG Tier 2	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	Total EG	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	Total NonCore	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/FFU under SI \$000	System Total	SCG RD Model/SI & FAR	copy to COST ALLOC tab
Allocated CoUse Trans w/o FFU under SI \$000	System Total	SCG RD Model/SI & FAR	copy to COST ALLOC tab
TLS Revenue NCCI-T \$000		SCG RD Model/Local T Rate	copy to Rate Tables
TLS Revenue EG-Tier 1-T \$000		SCG RD Model/Local T Rate	copy to Rate Tables
TLS Revenue EG-Tier 2-T \$000		SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes NCCI-T Mth/yr		SCG RD Model/Local T Rate	copy to Rate Tables

TLS Volumes EG-Tier1-T Mth/yr	6,651	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes EG-Tier2-T Mth/yr	489,742	SCG RD Model/Local T Rate	copy to Rate Tables
TLS SFV Mcapacity Reserved Mdth/day	146	SCG RD Model/Local T Rate	copy to Rate Tables
TLS SFV Volumes Mth/year	461,175	SCG RD Model/Local T Rate	copy to Rate Tables
TLS VOL Volumes Mth/year	38,411	SCG RD Model/Local T Rate	copy to Rate Tables
Est FAR Revenue from SDGE Res	\$1,801	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE NGV	\$84	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE CCI	\$877	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE NCCI	\$224	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 1	\$186	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 2	\$3,548	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE Customers	\$6,720	SCG RD Model/Local & BBT Costs	Copy to Rate Tables
SCG Transport Only Costs Allocated to SDGE Core & Dist \$000	\$11,707	SCG RD model/SDGE Detail Alloc	Copy to Cost Alloc
SCG Core Seasonal Storage	\$6,066	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Load Balancing Allocated to ALL SDGE \$000	\$1,305	SCG RD Model/RUN	copy to COST ALLOC tab
SFV Base Margin Items = Reservation Charge \$/dth/day	\$0.11056	SCG RD Model / Trans Rates	Copy to Rate Tables
Volumetric Base Margin Items \$/th	\$0.04170	SCG RD Model / Trans Rates	Copy to Rate Tables
Usage Fee (non base margin items) \$/th	\$0.01324	SCG RD Model / Trans Rates	Copy to Rate Tables
BBT Reservation Charge \$/dth/day	\$0.05000	SCG RD Model/Local & BBT Costs	Copy to Rate Tables
BBT Capcity Reserved Mdth/day	368	SCG RD Model/Local & BBT Costs	Copy to Rate Tables
EG Tier 1-D SW Volumetric Rate w/FFU \$/th	\$0.06576	SCG RD model/EG-D Rates	Copy to EG-D rates tab
EG Tier 2-D SW Volumetric Rate w/FFU \$/th	\$0.03439	SCG RD model/EG-D Rates	Copy to EG-D rates tab
SW Volumetric Rate w/FFU \$/th UnCompressed	\$0.05221	SCG RD model/NGV Rates	
SW Volumetric Rate w/FFU \$/th Compressed	\$0.86096	SCG RD model/NGV Rates	
2009BCAP Allocated SCG BBT Trans Cost w/o SI	\$12,159	SCG RD model/Cost Alloc	
2009BCAP Allocated SCG Local-T Trans Cost w/o SI	\$9,459	SCG RD model/Cost Alloc	
SDGE ITBA Balance Post SI	\$1,119	SCG RD model/Misc Inputs	
SYSTEM TOTALw/SI,FAR,TLS,SW	\$1,738	SCG RD model/Rate Tables	

Data TO SCG RD Model	Model / Source	
SDGE AYTP mth/yr Res	326,003	Alloc Factors
SDGE AYTP mth/yr Core C&I	158,725	Alloc Factors
SDGE AYTP mth/yr NR A/C	0	
SDGE AYTP mth/yr Gas Eng	0	
SDGE AYTP mth/yr NGV	15,238	Alloc Factors
SDGE AYTP mth/yr Total Core	499,967	Alloc Factors
SDGE AYTP mth/yr Non Core C&I	40,463	Alloc Factors
SDGE AYTP mth/yr EG Tier 1	33,749	Alloc Factors
SDGE AYTP mth/yr EG Tier 2	642,167	Alloc Factors
SDGE AYTP mth/yr EOR	0	
SDGE AYTP mth/yr Total Retail Non Core	716,379	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	716,379	Alloc Factors
SDGE AYTP mth/yr Total System \$000	1,216,345	Alloc Factors
SDGE CYTP mth/yr Res	369,798	Alloc Factors
SDGE CYTP mth/yr Core C&I	167,807	Alloc Factors
SDGE CYTP mth/yr NR A/C	0	
SDGE CYTP mth/yr Gas Eng	0	
SDGE CYTP mth/yr NGV	15,238	Alloc Factors
SDGE CYTP mth/yr Total Core	552,844	Alloc Factors
SDGE CYTP mth/yr Non Core C&I	40,463	Alloc Factors
SDGE CYTP mth/yr EG Tier 1	33,749	Alloc Factors
SDGE CYTP mth/yr EG Tier 2	642,167	Alloc Factors
SDGE CYTP mth/yr EOR	0	
SDGE CYTP mth/yr Total Retail Non Core	716,379	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	716,379	Alloc Factors
SDGE CYTP mth/yr Total System \$000	1,269,223	Alloc Factors
SDGE's Core AYTP Mth/yr	499,967	Alloc Factors
NCCI-Distribution AYTP mth/yr	37,270	Alloc Factors
EG-Tier 1 Distribution AYTP mth/yr	27,097	Alloc Factors
EG-Tier 2 Distribution AYTP mth/yr	152,425	Alloc Factors
SDGE's Core # customers	861,922	Alloc Factors

NCCI-Distribution # customers	60	Alloc Factors
EG-Tier 1 Distribution # customers	57	Alloc Factors
EG-Tier 2 Distribution # customers	8	Alloc Factors
NCCI-Transmission AYTP mth/yr	3,193	Alloc Factors
EG-Tier 1 Transmission AYTP mth/yr	6,651	Alloc Factors
EG-Tier 2 Transmission AYTP mth/yr	489,742	Alloc Factors
NCCI-Transmission # customers	1	Alloc Factors
EG-Tier 1 Transmission # customers	12	Alloc Factors
EG-Tier 2 Transmission # customers	4	Alloc Factors
Transmission Costs w/FFU \$000	\$21,494	SDGE RD Model/Cost Alloc
Compressor Volumes mth/yr	119	SDGE RD Model / NGV Rates
SDGE - NCCI-T Total Allocated Base Margin w/Sl, FAR & FFU, w/o Fuel Use	\$157	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Other Operating Costs and Revenues	\$50	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Regulatory Accounts	\$17	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Transport Rev Req w/o BBT, w/ FFU & EOR Cr \$000/yr	\$224	SDGE RD Model / Detail Alloc
SDGE - EG-T Total Allocated Base Margin w/Sl, FAR & FFU, w/o Fuel Use	\$7,228	SDGE RD Model / Detail Alloc
SDGE - EG-T Other Operating Costs and Revenues	\$7,817	SDGE RD Model / Detail Alloc
SDGE - EG-T Regulatory Accounts	\$2,675	SDGE RD Model / Detail Alloc
SDGE CYPM mth/mo Res	55,290	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Core C&I	18,360	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	1,287	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total Core	74,937	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Non Core C&I	3,447	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 1	3,517	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 2	57,828	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EOR	0	
SDGE CYPM mth/mo Total Retail Non Core	64,793	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	64,793	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total System \$000	139,729	SDGE RD Model / Alloc Factors
SDGE NonCore Embedded Customer Related Costs \$000	\$4,146	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Medium Pressure Distribution Costs \$000	\$1,468	SDGE RD Model/Cost Alloc
SDGE Non Core Embedded High Pressure Distribution Costs \$000	\$0	
SDGE NonCore Embedded Transmission Costs \$000	\$12,132	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	\$0	SDGE RD Model/Cost Alloc
Total Margin Allocation w/o SI, FAR, Fuel Use, FF&U	\$224,005	SDGE RD Model/Cost Alloc
Other Op	\$10,901	SDGE RD Model/Cost Alloc
SCG Storage Charges	\$7,551	SDGE RD Model/Cost Alloc
Reg Accounts	\$23,448	SDGE RD Model/Cost Alloc
Less EC Transmission	(\$21,494)	SDGE RD Model/Cost Alloc
Plus Local-T	\$0	SDGE RD Model/Cost Alloc
plus FAR revenue	\$6,720	SDGE RD Model/Cost Alloc
less local-T noncore trans cust costs	(\$17,944)	SDGE RD Model/Revenue Check
plus Reg Gap Revenue	\$14,102	SDGE RD Model/Revenue Check
plus new SCG Transport (i.e.RegGap SDGE C&D)	\$11,994	SDGE RD Model/Cost Alloc
SW Adjustments	(\$2,889)	SDGE RD Model/Revenue Check
EG Tier 1-D Pre-SW Total revenue \$000/yr	\$3,098	SDGE RD Model/EG-D Rates
EG Tier 1-D AYTP Mth/yr	27,097	SDGE RD Model/EG-D Rates
EG Tier 1-D Customer Charge Revenue \$000	\$34	SDGE RD Model/EG-D Rates
EG Tier 2-D Pre-SW Total revenue \$000/yr	\$5,864	SDGE RD Model/EG-D Rates
EG Tier 2-D AYTP Mth/yr	152,425	SDGE RD Model/EG-D Rates
EG Tier 2-D Customer Charge Revenue \$000	\$0	SDGE RD Model/EG-D Rates
Final Rev Req \$000	\$252,718	SDGE RD Model/Rate Tables
Pre-SW NGV Transportation Volumetric Revenue	\$1,785	SDGE RD Model / NGV Rates
Pre-SW NGV Customer Charge Revenue	\$13	SDGE RD Model / NGV Rates
NGV Transportation volumes mth/yr	15,238	SDGE RD Model / NGV Rates
NGV Post SW Customer Charge Revenue:	\$13	SDGE RD Model / NGV Rates
Pre SW NGV Compressor Revenue \$000	\$97	SDGE RD Model / NGV Rates
NGV Compressor Volumes Mth/yr	119	SDGE RD Model / NGV Rates
SDGE NCCI-T Direct Peak Day Demand Mth/day	9	SDGE RD Model / Alloc Factors
SDGE EG-T Direct Peak Day Demand Mth/day	1,900	SDGE RD Model / Alloc Factors
SDGE Core Cumulative Transmission Peak Day Mth/day	3,980	SDGE RD/Alloc Factors
SDGE Noncore Cumulative HP Distribution Peak Day Mth/day	575	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast AYTP Mth/yr	716,759	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYTP Mth/yr	769,636	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast # Customers	862,048	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYPM Mth/mo	92,936	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast AYTP Mth/yr	3,193	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYTP Mth/yr	3,193	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast # Customers	1	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYPM Mth/mo	272	SDGE RD/Alloc Factors
SDGE EG-T Forecast AYTP Mth/yr	496,393	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYTP Mth/yr	496,393	SDGE RD/Alloc Factors
SDGE EG-T Forecast # Customers	16	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYPM Mth/mo	46,521	SDGE RD/Alloc Factors
SDGE Local-T Costs Res	\$6,435	SDGE RD Model/Cost Alloc
SDGE Local-T Costs CCI	\$2,137	SDGE RD Model/Cost Alloc
SDGE Local-T Costs NGV	\$150	SDGE RD Model/Cost Alloc
SDGE Local-T Costs NCCI	\$401	SDGE RD Model/Cost Alloc
SDGE Local-T Costs EG Tier 1	\$409	SDGE RD Model/Cost Alloc
SDGE Local-T Costs EG Tier2	\$6,731	SDGE RD Model/Cost Alloc

SDGE BBT Costs Res	\$6,263	SDGE RD Model/Cost Alloc
SDGE BBT Costs CCI	\$2,842	SDGE RD Model/Cost Alloc
SDGE BBT Costs NGV	\$258	SDGE RD Model/Cost Alloc
SDGE BBT Costs NCCI	\$685	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier 1	\$572	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier2	\$10,875	SDGE RD Model/Cost Alloc
SDGE CoUse Transmission Costs	\$2,162	SDGE RD Model/Misc Inputs
SDGE Forecast AYTP Mth/yr Core	499,967	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr NCCI-D	37,270	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr EG-D	179,522	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr Core	552,844	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr NCCI-D	37,270	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr EG-D	179,522	SDGE RD/Alloc Factors
SDGE Forecast # Customers Core	861,922	SDGE RD/Alloc Factors
SDGE Forecast # Customers NCCI-D	60	SDGE RD/Alloc Factors
SDGE Forecast # Customers EG-D	65	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr Core	74,937	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr NCCI-D	3,175	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr EG-D	14,824	SDGE RD/Alloc Factors
SDGE ITBA Balance pre SI	\$4,669	SDGE RD/Misc Inputs
SDGE FFU Rate	102.45%	SDGE RD/Cost Alloc
SDGE Mbtu/mcf	1,020	SDGE RD/Misc Inputs
