

SOUTHERN CALIFORNIA GAS COMPANY
2016 PHASE II TCAP

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

SOUTHERN CALIFORNIA GAS COMPANY

2016 Phase II TCAP

Section 1

Rate Design Model

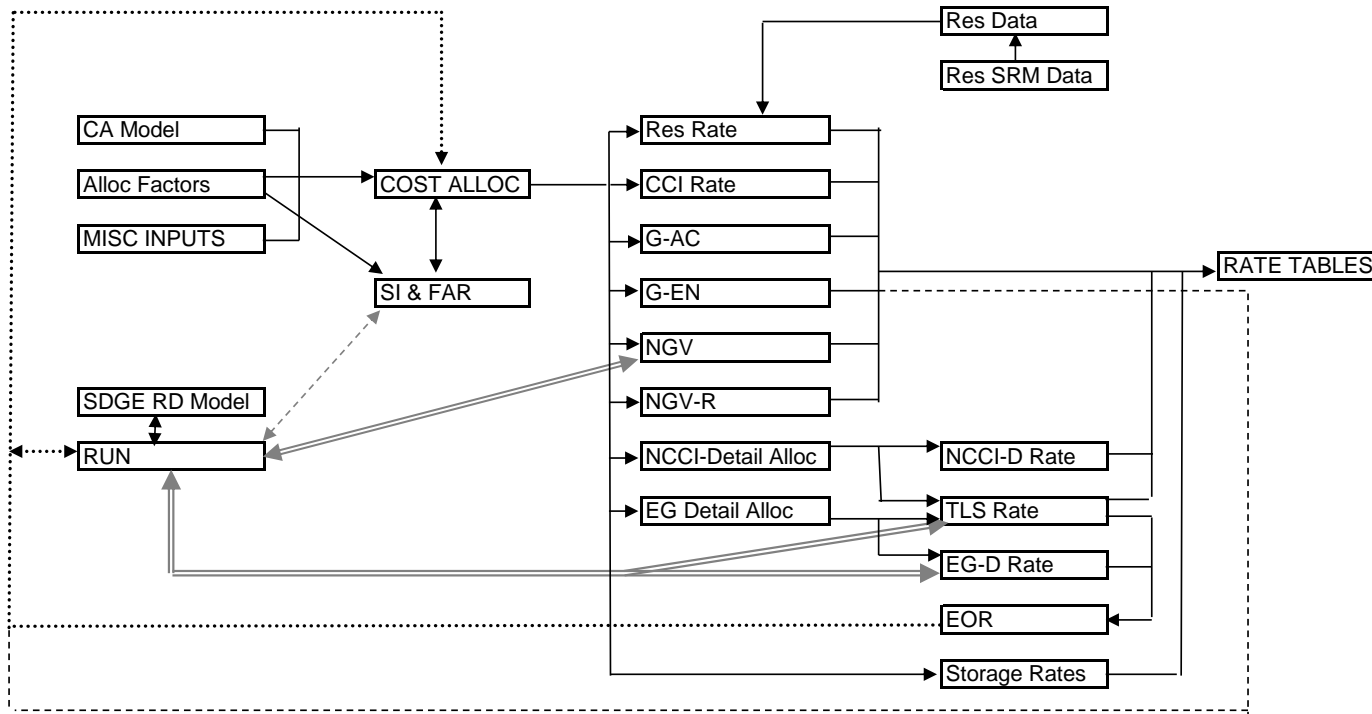
Workpapers to the Prepared Written Testimony of

Jason Bonnett

**Transportation Rates and Revenues
Southern California Gas Company
2016 PHASE II TRIENNIAL COST ALLOCATION PROCEEDING**

	Worksheet Tab	Purpose
1	Table of Contents	Table of Contents
2	FlowChart	Rate Design Model FlowChart
3	Model Input	Input tab for RD models
4	Rate Tables	Proposed rates & revenue compared to Current Rates & Revenue
5	Revenue Check	Verifies that revenue requirements are properly recovered in rates
6	Cost Alloc	Allocates costs to customer classes
7	Alloc Factors	Factors used to allocate costs to classes, primarily demand forecast
8	AB32 Admin Fees	Allocates costs of AB32 Admin Fees
9	CA Model	Results of base margin cost allocation model
10	EOR	Rate calculation for enhanced oil recovery market
11	Misc Input	Miscellaneous inputs, such as cost of gas
12	SI & BTS	Calculation of System Integration and revenue from Backbone Transmission Service
13	Res Rate	Calculation of Residential rates
14	Res Data	Data used in calculation of residential rates
15	Res SRM Data	Data used in calculation of residential rates
16	CCI Rates	Calculation of Core C&I rates
17	G-AC	Calculation of Air Conditioning rate
18	G-EN	Calculation of gas engine rate
19	NGV	Calculation of NGV rate
20	NGV-R Rate	Calculation of NGV Residential rate
21	NCCI-D Rates	Calculation of Noncore C&I rate for Distribution level service
22	EG-D Rates	Calculation of Electric Generation rate for Distribution level service
23	TLS Rate	Calculation of Transmission Level Service rate
24	Current Cost Alloc	Results of Current Cost Allocation
25	Reconcile	Reconciles revenue requirement and rates between Proposal and Current
26	Res Bill	Compare residential bill under current rates and proposed rates
27	Testimony Tables	Tables used in testimony of Mr. Bonnett
28	RUN	Data that transfers between SCG and SDGE Rate Design Models

SoCalGas - FLOWCHART of Rate Design model
2016 TCAP Phase II Rates



KEY:

- Data exchanged with SDGE for Sempra Wide NGV, EG-D and TLS rates.
- - - - - Data exchanged with SDGE for System Integration and FAR revenue.
- EOR Revenue & G-EN CAP require an iteration back into Cost Alloc tab.

Each box is a worksheet tab in rate design model

Tabs not shown in flowchart

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

Model Input

Model Input	Input/ Output	2016 TCAP Phase II Reg. Accounts w/o incr. cust. chg.		
	2016 TCAP Phase II Application 3	1/1/2015 Rates 1	2	2016 TCAP Phase II Application 3
<u>SCG Base Margin (preSI, wFAR, wBFEE, w/oFFU)</u>				
GRC Authorized Base Margin w/o ffu	\$1,823,086	\$1,823,086	\$1,823,086	\$1,823,086
FFU	\$32,529	\$32,529	\$32,529	\$32,529
GRC Authorized Base Margin w/ffu	\$1,855,615	\$1,855,615	\$1,855,615	\$1,855,615
2013 attrition w/ffu	\$49,164	\$49,164	\$49,164	\$49,164
2014 attrition w/ffu	\$51,672	\$51,672	\$51,672	\$51,672
2015 attrition w/ffu	\$53,093	\$53,093	\$53,093	\$53,093
Cost of Capital Adj w/ffu	(\$25,431)	(\$25,431)	(\$25,431)	(\$25,431)
Deferred Gain on Sale Amortization	\$3,108	\$3,108	\$3,108	\$3,108
Total Base Margin in Rates	\$1,987,220	\$1,987,220	\$1,987,220	\$1,987,220
<u>SDGEgas Base Margin (preSI, wFAR, wBFEE, w/oFFU)</u>				
GRC Authorized Base Margin w/o ffu	\$280,365	\$280,365	\$280,365	\$280,365
FFU	\$6,554	\$6,554	\$6,554	\$6,554
GRC Authorized Base Margin w/ffu	\$286,919	\$286,919	\$286,919	\$286,919
rounding adjustment	\$0	\$0	\$0	\$0
GRC Authorized Base Margin w/ffu	\$286,919	\$286,919	\$286,919	\$286,919
2013 attrition w/FFU	\$7,603	\$7,603	\$7,603	\$7,603
2014 attrition w/FFU	\$7,982	\$7,982	\$7,982	\$7,982
2015 attrition w/ffu	\$8,201	\$8,201	\$8,201	\$8,201
Cost of Capital Adj	(\$4,261)	(\$4,261)	(\$4,261)	(\$4,261)
AMI adjustment w/ffu	\$0	\$0	\$0	\$0
Total Base Margin in Rates	\$306,444	\$306,444	\$306,444	\$306,444
<u>Other Items:</u>				
SCG - Gas price for LUAF (\$/mmbtu)	\$4.03	\$4.28	\$4.03	\$4.03
SDGE - Gas price for LUAF (\$/mmbtu)	\$4.05	\$4.28	\$4.05	\$4.05
SCG - Border Gas price for Res Bill (\$/mmbtu) update for June-2015 G-CP	\$3.08	\$3.08	\$3.08	\$3.08
SDGE - Border Gas price for Res Bill (\$/mmbtu) update for June-2015 G-CP	\$3.06	\$3.06	\$3.06	\$3.06
SCG - AMI w/o FFU	\$113,636	\$113,636	\$113,636	\$113,636
SDGE - AMI w/o FFU	\$0	\$0	\$0	\$0
SCG - Franchise Fees %	1.45930%	1.45930%	1.45930%	1.45930%
SCG - Uncollectibles %	0.27800%	0.27800%	0.27800%	0.27800%

SCG FFU Uncollectible rate adjustment for wholesale customers	97.871%	97.871%	97.871%	97.871%
SDGEgas - Franchise Fees %	2.11040%	2.11040%	2.11040%	2.11040%
SDEGgas - Uncollectibles %	0.17400%	0.17400%	0.17400%	0.17400%
SCG - Res. PPS	\$0.10738	\$0.10738	\$0.10738	\$0.10738
SCG - Res. CARE PPS	\$0.07526	\$0.07526	\$0.07526	\$0.07526
SDGE - Res PPS	\$0.08288	\$0.08288	\$0.08288	\$0.08288
SDGE - Res CARE PPS	\$0.04383	\$0.04383	\$0.04383	\$0.04383
SCG AB32 Annual Fees Rev Req w/o ffu	\$5,188	\$5,188	\$5,188	\$5,188
SDG&E AB32 Annual Fees Rev Req w/o ffu	\$539	\$539	\$539	\$539
Exchange Revenues & Interutility Transactions	\$118	\$23	\$118	\$118
SCG and SDG&E Transition Adjustments		2015		
SCG				
Affiliate Transfer Fee Account (ATFA)	\$0	(\$115)	\$0	\$0
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)	(\$7)	(\$764)	(\$7)	(\$7)
GRCRRMA w/o FFU	\$0	\$51,986	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$2,692	\$124,604	\$2,692	\$2,692
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$715	\$856	\$715	\$715
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$9,788	\$10,339	\$9,788	\$9,788
Enhanced Oil Recovery Account (EORA)	(\$630)	(\$2,127)	(\$630)	(\$630)
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$11,831	\$2,714	\$11,831	\$11,831
Honor Rancho Storage Memorandum Account (HRSMA)	\$0	\$0	\$0	\$0
Intervenor Award Memorandum Account (IAMA)	\$0	\$1,008	\$0	\$0
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	\$0
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0
New Environmental Regulatory Balancing Account (NERBA) - Admin Fees Subaccount	(\$1,082)	(\$1,082)	(\$1,082)	(\$1,082)
New Environmental Regulatory Balancing Account (NERBA) - C&T Subaccount	\$0	\$3,187	\$0	\$0
New Environmental Regulatory Balancing Account (NERBA) - Subpart W	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Margin	\$2,281	\$678	\$2,281	\$2,281
Noncore Fixed Cost Account (NFCA) Nonmargin	\$1,072	\$10,510	\$1,072	\$1,072
Integrated Transmission Balancing Account (ITBA) Margin	\$10,192	\$3,004	\$10,192	\$10,192
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0

Compressor Station Fuel and Power Balancing Account (CFPBA)	\$326	\$5,433	\$326	\$326
Compression Services Balancing Account (CSBA)	(\$288)	(\$282)	(\$288)	(\$288)
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$30	\$64	\$30	\$30
System Reliability Memorandum Account (SRMA)	\$0	\$9,776	\$0	\$0
Noncore Storage Balancing Account (NSBA)	(\$14)	\$2,144	(\$14)	(\$14)
Pension Balancing Account (PBA)	(\$19,739)	(\$19,739)	(\$19,739)	(\$19,739)
PBOP Balancing Account (PBOPBA)	(\$21,060)	(\$21,060)	(\$21,060)	(\$21,060)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$0	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$0	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	(\$1)	(\$501)	(\$1)	(\$1)
Research Royalty Memorandum Account (RRMA)	(\$1)	(\$367)	(\$1)	(\$1)
Self-Generation Program Memorandum Account (SGPMA)	\$8,000	\$8,000	\$8,000	\$8,000
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	(\$266)	\$5,501	(\$266)	(\$266)
Total Regulatory Accounts	\$3,839	\$193,766	\$3,839	\$3,839
Backbone Transmission Balancing Acct (BTBA):				
Backbone Transmission Balancing Acct (BTBA) w/o FFU \$000/yr	\$3,847	\$14,010	\$3,847	\$3,847
Backbone Transmission Balancing Acct (BTBA) w/o FFU \$000/yr	\$3,847	\$14,010	\$3,847	\$3,847
SDG&E				
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Baseline Balance BA	\$0	\$0	\$0	\$0
CFCA -Margin Only	(\$10,898)	\$52,053	(\$10,898)	(\$10,898)
CFCA -Nonmargin Other	(\$773)	(\$574)	(\$773)	(\$773)
CFCA -Nonmargin SCG	(\$2,097)	(\$1,352)	(\$2,097)	(\$2,097)
CA Solar Initiative Balancing Acct CSIBA	\$0	\$0	\$0	\$0
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	(\$207)	\$1,374	(\$207)	(\$207)
Master Meter Balancing Account (MMBA)	\$0	\$0	\$0	\$0
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0
New Environmental Regulatory Balancing Account (NERBA) - Admin Fees Subaccount	(\$569)	(\$569)	(\$569)	(\$569)
New Environmental Regulatory Balancing Account (NERBA) - C&T Subaccount	\$508	\$508	\$508	\$508

New Environmental Regulatory Balancing Account (NERBA) - Subpart W	(\$1,184)	(\$1,184)	(\$1,184)	(\$1,184)
NFCA -Margin Only	(\$4,899)	(\$4,202)	(\$4,899)	(\$4,899)
NFCA -Nonmargin Other	(\$1,360)	(\$604)	(\$1,360)	(\$1,360)
NFCA -Nonmargin SCG	(\$10,072)	(\$5,601)	(\$10,072)	(\$10,072)
NGVA	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0
PBOPBA	(\$436)	(\$436)	(\$436)	(\$436)
Pension BA	\$0	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$0	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$0	\$0	\$0
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$302	\$1,110	\$302	\$302
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	\$0	\$770	\$0	\$0
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$1,502	\$446	\$1,502	\$1,502
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0
GRCRRMA	\$0	\$19,964	\$0	\$0
GRCMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
CSI Thermal Program memorandum Account	\$539	\$1,882	\$539	\$539
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0
Total Regulatory Accounts	(\$29,645)	\$63,584	(\$29,645)	(\$29,645)
<u>Storage Capacity:</u>				
Aliso Canyon TR Injection mmcf/d UBS	0.0	0.0	0.0	0.0
System				
Inventory bcf	138.1	136.1	138.1	138.1
incremental due to HR bcf	0.0	2.0	0.0	0.0
Inventory Bcf	138.1	138.1	138.1	138.1
Injection mmcf/d	770.0	850.0	770.0	770.0
Withdrawal mmcf/d	3,175.0	3,195.0	3,175.0	3,175.0

Load Balancing Capacities				
Inventory Bcf	5.1	4.2	5.1	5.1
Injection mmcf/d	200.0	200	200	200
Withdrawal mmcf/d	525.0	340	525	525
Aliso Canyon TR Injection mmcf/d UBS	145.0	0.0	145.0	145.0
Embedded Storage Cost \$000's w/ffu	\$83,585	\$80,311	\$83,585	\$83,585
HRSMA Balance \$000 w/ffu	\$0	\$9,260	\$0	\$0
SCG - Aliso Canyon \$000 w/o FFU	\$27,000	\$0	\$27,000	\$27,000
	\$110,585	\$89,571	\$110,585	\$110,585
Storage Rate Calculation Method (old/new)	new	old	new	new
<u>Phase 1 Proposed \$'s</u>				
CORE Injection \$000	\$9,638	\$0	\$9,638	\$9,638
CORE Inventory \$000	\$7,160	\$0	\$7,160	\$7,160
CORE Withdrawal \$000	\$48,933	\$0	\$48,933	\$48,933
Load Balancing Injection \$000	\$10,863	\$0	\$10,863	\$10,863
Load Balancing Inventory \$000	\$440	\$0	\$440	\$440
Load Balancing Withdrawal \$000	\$16,531	\$0	\$16,531	\$16,531
UBS Injection \$000	\$3,360	\$0	\$3,360	\$3,360
UBS Inventory \$000	\$4,313	\$0	\$4,313	\$4,313
UBS Withdrawal \$000	\$9,347	\$0	\$9,347	\$9,347
BTS Rate:				
BBT Demand Dth/d	2,817,590	2,809,327	2,817,590	2,817,590
<u>TCAP Changes</u>				
Demand Forecast (1= old, 2 =new)	2	1	2	2
<u>SoCalGas</u>				
BTU Factor	1.0300	1.0235	1.0300	1.0300
Core Broker Fee Rate \$/th	\$0.00162	\$0.00157	\$0.00162	\$0.00162
SCG Mth/yr	3,456,633	3,646,701	3,456,633	3,456,633
SDGE Mth/yr	480,369	502,042	480,369	480,369
UnAccounted For Gas	81,648	74,205	81,648	81,648
Company Use Gas: Storage Load Balancing (Mth/year)	2,564	2,914	2,564	2,564
Co Use-Other	2,616	1,787	2,616	2,616
Well Incident & Surface Leaks (WISL)	741	638	741	741
Residential Customer charge	\$10.00	\$5.00	\$5.00	\$10.00

SDG&E

UAF Volumes Mth/yr	6,661	14,702	6,661	6,661
BTU Factor	1.0351	1.0194	1.0351	1.0351
Company Use Other	640	241	640	640
Residential Customer charge	\$10.00	\$0	\$0.00	\$10.00
Tier Differential rate cap	\$0.26	\$0	\$0.00	\$0.26

TCAP Costs:**SoCalGas****LRMC Customer Costs \$/customer**

Residential	\$223.60	\$128.26	\$223.60	\$223.60
CCI	\$711.30	\$451.32	\$711.30	\$711.30
G-AC	\$5,865.16	\$3,146.73	\$5,865.16	\$5,865.16
G-GEN	\$5,084.52	\$1,943.50	\$5,084.52	\$5,084.52
NGV	\$22,281.38	\$2,642.27	\$22,281.38	\$22,281.38
NCCI	\$30,178.82	\$20,411.31	\$30,178.82	\$30,178.82
EG Tier 1	\$25,258.28	\$26,075.17	\$25,258.28	\$25,258.28
EG Tier 2	\$128,643.87	\$73,482.69	\$128,643.87	\$128,643.87
EOR	\$83,028.54	\$25,212.67	\$83,028.54	\$83,028.54
Long Beach	\$886,337.07	\$286,516.96	\$886,337.07	\$886,337.07
SDG&E	\$1,513,038.54	\$578,111.48	\$1,513,038.54	\$1,513,038.54
South West Gas	\$797,252.41	\$270,524.59	\$797,252.41	\$797,252.41
Vernon	\$539,223.46	\$116,891.71	\$539,223.46	\$539,223.46
DGN	\$216,430.37	\$41,112.29	\$216,430.37	\$216,430.37
UBS	\$0.00	\$0.00	\$0.00	\$0.00

Replacement Adder	2.1%		2.1%	2.1%
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LRMC Distribution

MPD LRMC (\$/Mcf)	\$200.38	\$179.99	\$200.38	\$200.38
HPD LRMC (\$/Mcf)	\$1.92	\$1.87	\$1.92	\$1.92

NGV Compression Costs \$000	\$2,440	\$1,330	\$2,440	\$2,440
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NGV Compression Volumes	2,099	1,287	2,099	2,099
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System Average Uncollectible Rate	0.27800%	0.23800%	0.27800%	0.27800%
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Customer Service & Information \$000	\$0	\$51,969	\$0	\$0
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Submeter Credit

Submeter Credit, \$/day/unit	(\$0.27386)	(\$0.23573)	(\$0.27386)	(\$0.27386)
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Submeter Credit Care Rate, \$/day/unit	(\$0.30674)	(\$0.26860)	(\$0.30674)	(\$0.30674)
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Transmission Costs per Embedded Cost Method:

Embedded Transmission Costs \$000	\$214,896	\$166,472	\$214,896	\$214,896
BBT \$	\$148,148	\$116,052	\$148,148	\$148,148
Target BBT\$	\$186,377	\$147,526	\$186,377	\$186,377

SDGE

LRMC Customer Costs \$/customer

Residential	\$240.26	\$127.69	\$240.26	\$240.26
NGV	\$4,449.92	\$905.03	\$4,449.92	\$4,449.92
CCI	\$461.91	\$238.49	\$461.91	\$461.91
Total NCCI	\$10,168.01	\$7,247.31	\$10,168.01	\$10,168.01
EG Tier 1	\$6,941.33	\$6,184.76	\$6,941.33	\$6,941.33
EG Tier 2	\$8,485.05	\$8,191.22	\$8,485.05	\$8,485.05

Replacement Adder	2.1%		2.1%	2.1%
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LRMC Distribution

MPD LRMC (\$/Mcf)	\$243.90	\$211.00	\$243.90	\$243.90
HPD LRMC (\$/Mcf)	\$24.46	\$23.84	\$24.46	\$24.46
NGV Compression Costs \$000	\$494	\$242	\$494	\$494
NGV Compression Volumes	744	209	744	744

Submeter Credit

Submeter Credit Multifamily, \$/day/unit	(\$0.38268)	(\$0.29392)	(\$0.38268)	(\$0.38268)
Submeter Credit Mobile home, \$/day/unit	(\$0.40932)	(\$0.36460)	(\$0.40932)	(\$0.40932)

Transmission Costs per Embedded Cost Method:

Embedded Transmission Costs \$000	\$38,229	\$31,473	\$38,229	\$38,229
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RESULTS:

SoCalGas Core Procurement Price \$/th

SoCal Border price	\$0.30762	\$0.30762	\$0.30762	\$0.30762
Brokerage Fee	\$0.00162	\$0.00157	\$0.00162	\$0.00162
Subtotal	\$0.30923	\$0.30919	\$0.30923	\$0.30923
FFU	101.7638%	101.7638%	101.7638%	101.7638%
Subtotal with FFU	\$0.31469	\$0.31464	\$0.31469	\$0.31469
Backbone Transmission Service \$/th/day	\$0.01850	\$0.01578	\$0.01850	\$0.01850
SCG Gas Procurement (\$/th)	\$0.33319	\$0.33042	\$0.33319	\$0.33319

SDG&E Gas Core Procurement Price \$/th

SoCal Border price	\$0.30612	\$0.30612	\$0.30612	\$0.30612
Brokerage Fee	\$0.00162	\$0.00157	\$0.00162	\$0.00162
Subtotal	\$0.30774	\$0.30769	\$0.30774	\$0.30774
FFU	102.3340%	102.3340%	102.3340%	102.3340%
Subtotal with FFU	\$0.31492	\$0.31487	\$0.31492	\$0.31492
Backbone Transmission Service \$/th/day	\$0.01850	\$0.01578	\$0.01850	\$0.01850
SDG&E Gas Procurement (\$/th)	\$0.33342	\$0.33065	\$0.33342	\$0.33342

SCG - Aliso Canyon Costs to Collect thru Transportation Rate \$000 w/o FFU

Summary of Storage Costs allocation to Function:

Core \$000	\$65,731	\$52,836	\$65,731	\$65,731
Load Balancing \$000	\$27,834	\$10,260	\$27,834	\$27,834
Unbundled Storage \$000	\$17,020	\$26,476	\$17,020	\$17,020
	\$110,585	\$89,571	\$110,585	\$110,585

SCG Residential Bill

Residential Class Monthly Average (Jan-Dec)	\$39.73	\$41.54	\$39.85	\$39.73
Single Family Monthly Average (Jan-Dec)	\$41.77	\$43.97	\$42.18	\$41.77
Multi Family Monthly Average (Jan-Dec)	\$24.09	\$22.52	\$21.67	\$24.09
CARE Monthly Average (Jan-Dec)	\$26.35	\$26.77	\$25.67	\$26.35
Baseline only Monthly Average (Jan-Dec)	\$32.52	\$33.02	\$31.65	\$32.52

SDGEgas Residential Bill

Residential Class Monthly Average (Jan-Dec)	\$30.34	\$34.28	\$29.88	\$30.34
Single Family Monthly Average (Jan-Dec)	\$32.79	\$38.05	\$33.16	\$32.79
Multi Family Monthly Average (Jan-Dec)	\$22.70	\$21.38	\$18.63	\$22.70
CARE Monthly Average (Jan-Dec)	\$21.93	\$23.88	\$20.75	\$21.93
Baseline only Monthly Average (Jan-Dec)	\$28.97	\$32.45	\$28.28	\$28.97

Transportation Rates: SCG

Residential				
Customer Charge	\$10.00	\$5.00	\$5.00	\$10.00
BaseLine Rate	\$0.31325	\$0.50026	\$0.45167	\$0.31325
NonBaseLine Rate	\$0.57325	\$0.76026	\$0.71167	\$0.57325
Residential Class Average	\$0.64505	\$0.71570	\$0.64505	\$0.64505
Core Commercial				
Customer Charge	\$15.00	\$15.00	\$15.00	\$15.00
Tier 1 = 250th/mo	\$0.42631	\$0.54626	\$0.42631	\$0.42631
Tier 2 = next 4167 th/mo	\$0.21344	\$0.29040	\$0.21344	\$0.21344
Tier 3 = over 4167 th/mo	\$0.07072	\$0.11885	\$0.07072	\$0.07072
Core Commercial Class Average	\$0.24102	\$0.33979	\$0.24102	\$0.24102

Natural Gas Vehicle - uncompressed	\$0.07691	\$0.12992	\$0.07691	\$0.07691
Gas Air Conditioning	\$0.09473	\$0.14108	\$0.09473	\$0.09473
Gas Engine	\$0.12163	\$0.12163	\$0.12163	\$0.12163
Average Core	\$0.50438	\$0.58621	\$0.50438	\$0.50438
NonCore C&I - Distribution				
Customer Charge	\$350.00	\$350.00	\$350.00	\$350.00
Tier 1 = 250kth/yr	\$0.13031	\$0.15126	\$0.13031	\$0.13031
Tier 2 = 250k-1000k	\$0.08023	\$0.09352	\$0.08023	\$0.08023
Tier 3 = 1 to 2 million th/yr	\$0.04820	\$0.05659	\$0.04820	\$0.04820
Tier 4 = over 2 million th/yr	\$0.02531	\$0.03020	\$0.02531	\$0.02531
NonCore C&I Class Average Distribution	\$0.05880	\$0.06968	\$0.05880	\$0.05880
EG-Distribution w/carb adder:				
EG-Distribution - Tier 1 class average w/carb adder \$/therm	\$0.08647	\$0.10696	\$0.08647	\$0.08647
EG-Distribution - Tier 1 w/carb adder \$/therm	\$0.08490	\$0.10490	\$0.08490	\$0.08490
EG-Distribution - Tier 2 w/carb adder \$/therm	\$0.04530	\$0.03617	\$0.04530	\$0.04530
EG-Distribution - Average w/carb adder \$/therm	\$0.07603	\$0.04492	\$0.07603	\$0.07603
Transmission Level Service:				
TLS-CI CA Rate (w/ csitma & carb adders) \$/therm	\$0.01662	\$0.01808	\$0.01662	\$0.01662
TLS-CI RS rate \$/therm/day	\$0.00689	\$0.00597	\$0.00689	\$0.00689
TLS -CI Usage rate (w/csitma & carb adder) \$/therm	\$0.00625	\$0.01004	\$0.00625	\$0.00625
TLS-EG CA Rate (w/carb adder) \$/therm	\$0.01440	\$0.01564	\$0.01440	\$0.01440
TLS-EG RS rate \$/therm/day	\$0.00689	\$0.00597	\$0.00689	\$0.00689
TLS -EG Usage rate (w/carb adder) \$/therm	\$0.00404	\$0.00760	\$0.00404	\$0.00404
TLS-Wholesale CA Rate (w/o carb adder) \$/therm	\$0.01366	\$0.01449	\$0.01366	\$0.01366
TLS-Wholesale RS rate \$/therm/day	\$0.00688	\$0.00595	\$0.00688	\$0.00688
TLS -Wholesale Usage rate (w/o carb adder) \$/therm	\$0.00332	\$0.00648	\$0.00332	\$0.00332
Average Noncore	\$0.02201	\$0.02441	\$0.02201	\$0.02201
Backbone Transmission Service \$/dth/day	\$0.18503	\$0.15777	\$0.18503	\$0.18503
Unbundled Storage \$000's	\$17,020	\$26,476	\$17,020	\$17,020
System Average Rate without BTS \$/therm	\$0.21011	\$0.23063	\$0.21011	\$0.21011
System Average Rate with BTS \$/therm	\$0.23032	\$0.24758	\$0.23032	\$0.23032
CARB Fee Credit	(\$0.00071)	(\$0.00110)	(\$0.00071)	(\$0.00071)
SCG RRQ \$millions (from rate tables tab)	\$2,169	\$2,363	\$2,169	\$2,169

Transportation Rates: SDGE

Residential				
Customer Charge	\$10.00	\$0.00	\$0.00	\$10.00
BaseLine Rate	\$0.33892	\$0.87123	\$0.70344	\$0.33892
NonBaseLine Rate	\$0.59892	\$1.05751	\$0.86265	\$0.59892
Residential Class Average	\$0.74228	\$0.92062	\$0.74228	\$0.74228
Core Commercial				
Customer Charge	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 = 0 to 1,000 therms/month	\$0.21588	\$0.42354	\$0.21588	\$0.21588
Tier 2 = 1,001 to 21,000 therms/month	\$0.09080	\$0.25637	\$0.09080	\$0.09080
Tier 3 = over 21,000 therms/month	\$0.05547	\$0.20915	\$0.05547	\$0.05547
Core Commercial Class Average	\$0.16515	\$0.34893	\$0.16515	\$0.16515
Natural Gas Vehicle - uncompressed	\$0.07623	\$0.13227	\$0.07623	\$0.07623
Average Core	\$0.51784	\$0.70474	\$0.51784	\$0.51784
NonCore C&I - Distribution				
Customer Charge	\$350.00	\$350.00	\$350.00	\$350.00
Volumetric Charge	\$0.01105	\$0.04568	\$0.01105	\$0.01105
NonCore C&I - Distribution Class Average	\$0.01731	\$0.05420	\$0.01731	\$0.01731
EG-Distribution w/carb adder:				
EG-Distribution - Tier 1 average w/carb adder	\$0.08607	\$0.10625	\$0.08607	\$0.08607
EG-Distribution - Tier 1 w/carb adder	\$0.08463	\$0.10478	\$0.08463	\$0.08463
EG-Distribution - Tier 2 w/carb adder	\$0.04480	\$0.03567	\$0.04480	\$0.04480
EG-Distribution - Average w/carb adder \$/therm	\$0.05308	\$0.06343	\$0.07035	\$0.05308
Transmission Level Service:				
TLS-CI CA Rate (w/ csitma & carb adders) \$/therm	\$0.01485	\$0.01909	\$0.01485	\$0.01485
TLS-EG CA Rate (w/carb adder) \$/therm	\$0.01373	\$0.01502	\$0.01373	\$0.01373
TLS-EG RS rate \$/therm/day	\$0.00693	\$0.00600	\$0.00693	\$0.00693
TLS -EG Usage rate (w/carb adder) \$/therm	\$0.00330	\$0.00694	\$0.00330	\$0.00330
Average Noncore	\$0.01913	\$0.02071	\$0.01913	\$0.01913
System Average Rate	\$0.22940	\$0.30470	\$0.22940	\$0.22940
CARB Fee Credit \$/th	\$0.00004	(\$0.00041)	\$0.00004	\$0.00004
SDGE RRQ (from rate tables tab)	\$284	\$375	\$284	\$284

SCG Residential Bill - Class Average Customer

January	\$69.43	\$77.55	\$74.26	\$69.43
February	\$57.25	\$63.60	\$60.87	\$57.25
March	\$48.12	\$52.29	\$49.99	\$48.12
April	\$38.80	\$40.94	\$39.18	\$38.80
May	\$36.42	\$36.80	\$35.44	\$36.42
June	\$32.21	\$32.00	\$30.83	\$32.21
July	\$28.71	\$27.68	\$26.67	\$28.71
August	\$26.79	\$25.42	\$24.50	\$26.79
September	\$27.40	\$26.32	\$25.36	\$27.40
October	\$28.07	\$26.92	\$25.94	\$28.07
November	\$32.93	\$33.63	\$32.23	\$32.93
December	\$50.63	\$55.33	\$52.89	\$50.63

SDG&E Residential Bill - Class Average Customer

January	\$48.14	\$64.11	\$55.87	\$48.14
February	\$40.90	\$53.90	\$46.98	\$40.90
March	\$37.90	\$47.11	\$41.07	\$37.90
April	\$30.84	\$35.67	\$31.09	\$30.84
May	\$28.46	\$29.32	\$25.53	\$28.46
June	\$25.13	\$24.98	\$21.76	\$25.13
July	\$23.34	\$21.90	\$19.08	\$23.34
August	\$21.41	\$19.07	\$16.63	\$21.41
September	\$21.33	\$19.47	\$16.97	\$21.33
October	\$22.11	\$20.12	\$17.53	\$22.11
November	\$26.41	\$28.14	\$24.53	\$26.41
December	\$38.17	\$47.58	\$41.47	\$38.17

TABLE 1
Natural Gas Transportation Rates
Southern California Gas Company
2016 TCAP Phase II Rates

2016 TCAP Phase II Application

	Present Rates			Proposed Rates			Changes		
	Jan-1-15	Average	Jan-1-15	Jan-1-17	Proposed	Jan-1-17	Revenue	Rate	% Rate
	Volumes Mth A	Rate \$/therm B	Revenues \$000's C	Volumes Mth D	Rate \$/therm E	Revenues \$000's F	Change \$000's G	Change \$/therm H	change % I
1 CORE									
2 Residential	2,337,534	\$0.71570	\$1,672,983	2,435,160	\$0.64505	\$1,570,791	(\$102,192)	(\$0.07066)	-9.9%
3 Commercial & Industrial	984,102	\$0.33979	\$334,392	1,023,186	\$0.24102	\$246,613	(\$87,779)	(\$0.09877)	-29.1%
4									
5 NGV - Pre SempraWide	117,220	\$0.13363	\$15,665	157,095	\$0.09869	\$15,504	(\$161)	(\$0.03495)	-26.2%
6 SempraWide Adjustment	117,220	\$0.00867	\$1,016	157,095	(\$0.00713)	(\$1,121)	(\$2,137)	(\$0.01580)	-182.3%
7 NGV - Post SempraWide	117,220	\$0.14230	\$16,681	157,095	\$0.09155	\$14,383	(\$2,298)	(\$0.05075)	-35.7%
8									
9 Gas A/C	825	\$0.14108	\$116	772	\$0.09473	\$73	(\$43)	(\$0.04635)	-32.9%
10 Gas Engine	16,774	\$0.12163	\$2,040	20,699	\$0.12163	\$2,518	\$477	\$0.00000	0.0%
11 Total Core	3,456,455	\$0.58621	\$2,026,212	3,636,911	\$0.50438	\$1,834,378	(\$191,834)	(\$0.08183)	-14.0%
12									
13 NONCORE COMMERCIAL & INDUSTRIAL									
14 Distribution Level Service	893,164	\$0.06968	\$62,239	865,102	\$0.05880	\$50,871	(\$11,368)	(\$0.01088)	-15.6%
15 Transmission Level Service (2)	654,456	\$0.01804	\$11,806	660,238	\$0.01659	\$10,952	(\$854)	(\$0.00145)	-8.0%
16 Total Noncore C&I	1,547,620	\$0.04784	\$74,045	1,525,339	\$0.04053	\$61,823	(\$12,222)	(\$0.00731)	-15.3%
17									
18 NONCORE ELECTRIC GENERATION									
19 Distribution Level Service									
20 Pre Sempra Wide	333,969	\$0.05403	\$18,044	101,139	\$0.12324	\$12,464	(\$5,579)	\$0.06921	128.1%
21 Sempra Wide Adjustment	333,969	(\$0.00910)	(\$3,041)	101,139	(\$0.04721)	(\$4,775)	(\$1,734)	(\$0.03810)	418.5%
22 Distribution Post Sempra Wide	333,969	\$0.04492	\$15,003	101,139	\$0.07603	\$7,690	(\$7,313)	\$0.03111	69.2%
23 Transmission Level Service (2)	2,641,080	\$0.01487	\$39,270	2,576,656	\$0.01389	\$35,789	(\$3,481)	(\$0.00098)	-6.6%
24 Total Electric Generation	2,975,049	\$0.01824	\$54,273	2,677,795	\$0.01624	\$43,478	(\$10,795)	(\$0.00201)	-11.0%
25									
26 TOTAL RETAIL NONCORE	4,522,669	\$0.02837	\$128,318	4,203,134	\$0.02505	\$105,301	(\$23,017)	(\$0.00332)	-11.7%
27									
28 WHOLESALE									
29 Wholesale Long Beach (2)	92,897	\$0.01453	\$1,350	73,520	\$0.01369	\$1,006	(\$344)	(\$0.00085)	-5.8%
30 Wholesale SWG (2)	67,209	\$0.01453	\$977	65,367	\$0.01369	\$895	(\$82)	(\$0.00085)	-5.8%
31 Wholesale Vernon (2)	87,906	\$0.01453	\$1,278	95,137	\$0.01369	\$1,302	\$25	(\$0.00085)	-5.8%
32 International (2)	69,979	\$0.01453	\$1,017	91,378	\$0.01369	\$1,251	\$234	(\$0.00085)	-5.8%
33 Total Wholesale & International	317,990	\$0.01453	\$4,622	325,403	\$0.01369	\$4,454	(\$168)	(\$0.00085)	-5.8%
34 SDGE Wholesale	1,247,558	\$0.01258	\$15,692	1,251,556	\$0.01393	\$17,440	\$1,748	\$0.00136	10.8%
35 Total Wholesale Incl SDGE	1,565,548	\$0.01298	\$20,313	1,576,959	\$0.01388	\$21,894	\$1,580	\$0.00091	7.0%
36									
37 TOTAL NONCORE	6,088,217	\$0.02441	\$148,631	5,780,093	\$0.02201	\$127,195	(\$21,437)	(\$0.00241)	-9.9%
38									
39 Unbundled Storage (4)			\$26,476			\$17,020	(\$9,456)		
40 System Total (w/o BTS)	9,544,672	\$0.23063	\$2,201,319	9,417,004	\$0.21011	\$1,978,592	(\$222,727)	(\$0.02052)	-8.9%
41 Backbone Trans. Service BTS (3)	2,809	\$0.15777	\$161,782	2,818	\$0.18503	\$190,292	\$28,509	\$0.02726	17.3%
42 SYSTEM TOTALw/BTS	9,544,672	\$0.24758	\$2,363,102	9,417,004	\$0.23032	\$2,168,884	(\$194,218)	(\$0.01727)	-7.0%
43									
44 EOR Revenues	203,920	\$0.03081	\$6,283	231,570	\$0.05074	\$11,749	\$5,466	\$0.01993	64.7%
45 Total Throughput w/EOR Mth/yr	9,748,592			9,648,574					

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

TABLE 2
Residential Transportation Rates
Southern California Gas Company
2016 TCAP Phase II Rates
2016 TCAP Phase II Application

	Present Rates			Proposed Rates			Changes		
	Jan-1-15 Volumes Mth	Average Rate \$/th	Jan-1-15 Revenue \$000's	Jan-1-17 Volumes Mth	Rate \$/th	Jan-1-17 Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %
	A	B	C	D	E	F	G	H	I
1 RESIDENTIAL SERVICE									
2 Customer Charge									
3 Single Family	3,663,383	\$5.00	\$219,803	3,750,414	\$10.00	\$450,050	\$230,247	\$5.00000	100.0%
4 Multi-Family	1,674,287	\$5.00	\$100,457	1,743,024	\$10.00	\$209,163	\$108,706	\$5.00000	100.0%
5 Small Master Meter	122,347	\$5.00	\$7,341	124,314	\$10.00	\$14,918	\$7,577	\$5.00000	100.0%
6 Submeter Credit-\$/unit/day	147,568	(\$0.23573)	(\$12,697)	148,373	(\$0.27386)	(\$14,831)	(\$2,135)	(\$0.03814)	16.2%
7 Volumetric Transportation Rate Excludes CSITMA and CAT:									
8 Baseline Rate	1,583,823	\$0.49782	\$788,461	1,839,570	\$0.31104	\$572,176	(\$216,285)	(\$0.18678)	-37.5%
9 Non-Baseline Rate	743,221	\$0.75782	\$563,229	584,298	\$0.57104	\$333,656	(\$229,572)	(\$0.18678)	-24.6%
10	2,327,044	\$0.71618	\$1,666,594	2,423,869	\$0.64572	\$1,565,131	(\$101,463)	(\$0.07047)	-9.8%
11 NBL/BL Ratio:									
12 Gas Rate \$/th		\$0.42840			\$0.40277			(\$0.02564)	-6.0%
13 NBL/BL rate ratio		1.05			1.36				
14 NBL- BL rate difference \$/th		\$0.26000			\$0.26000			\$0.00000	0.0%
15									
16 Large Master Meter Rate (Excludes Rate Adders for CAT):									
17 Customer Charge	55	\$373.78	\$248	57	\$411.17	\$280	\$32	\$37.39	10.0%
18 Baseline Rate	7,802	\$0.17921	\$1,398	9,428	\$0.10848	\$1,023	(\$375)	(\$0.07074)	-39.5%
19 Non-Baseline Rate	2,688	\$0.27281	\$733	1,863	\$0.19915	\$371	(\$362)	(\$0.07366)	-27.0%
20	10,490	\$0.22688	\$2,380	11,291	\$0.14826	\$1,674	(\$706)	(\$0.07862)	-34.7%
21									
22 Residential Rates Includes CSITMA, Excludes CAT:									
23 CSITMA Adder to Volumetric Rate	1,671,915	\$0.00244	\$4,082	1,800,739	\$0.00221	\$3,988	(\$94)	(\$0.00023)	-9.3%
24 Residential:									
25 Customer Charge		\$5.00			\$10.00			\$5.00000	100.0%
26 Baseline \$/therm		\$0.50026			\$0.31325			(\$0.18701)	-37.4%
27 Non-Baseline \$/therm		\$0.76026			\$0.57325			(\$0.18701)	-24.6%
28 Average NonCARE Rate \$/therm		\$0.71863			\$0.64793			(\$0.07070)	-9.8%
29 Large Master Meter:									
30 Customer Charge		\$373.78			\$411.17			\$37.39	10.0%
31 BaseLine Rate		\$0.18166			\$0.11069			(\$0.07096)	-39.1%
32 NonBaseLine Rate		\$0.27525			\$0.20137			(\$0.07389)	-26.8%
33 Average NonCARE Rate \$/therm		\$0.22932			\$0.15047			(\$0.07884)	-34.4%
34 Residential Rates Includes CSITMA & CAT:									
35 CAT Adder to Volumetric Rate	8,732	(\$0.00831)	(\$73)	49,671	(\$0.00003)	(\$2)	\$71	\$0.00828	-100%
36 Residential:									
37 Customer Charge		\$5.00			\$5.00			\$0.00000	0.0%
38 BaseLine Rate		\$0.49195			\$0.31322			(\$0.17873)	-36.3%
39 NonBaseLine Rate		\$0.75195			\$0.57322			(\$0.17873)	-23.8%
40 Large Master Meter:									
41 Customer Charge		\$373.78			\$411.17			\$37.38634	10.0%
42 BaseLine Rate		\$0.17335			\$0.11066			(\$0.06269)	-36.2%
43 NonBaseLine Rate		\$0.26694			\$0.20133			(\$0.06561)	-24.6%
44 Other Adjustments :									
45 TCA for CSITMA exempt customers		(\$0.00244)			(\$0.00221)			\$0.00023	-9.3%
46									
47 TOTAL RESIDENTIAL	2,337,534	\$0.71570	\$1,672,983	2,435,160	\$0.64505	\$1,570,791	(\$102,192)	(\$0.07066)	-9.9%

See footnotes Table 1

TABLE 3
Core Nonresidential Transportation Rates
Southern California Gas Company
2016 TCAP Phase II Rates
2016 TCAP Phase II Application

	Present Rates			Proposed Rates			Changes			
	Jan-1-15 Volumes Mth	Average Rate \$/th	Jan-1-15 Revenue \$000's	Jan-1-17 Volumes Mth	Rate \$/th	Jan-1-17 Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1										
2	CORE COMMERCIAL & INDUSTRIAL									
3	Customer Charge 1	147,208	\$15.00	\$26,497	146,202	\$15.00	\$26,316	(\$181)	\$0.00	0.0%
4	Customer Charge 2	60,603	\$15.00	\$10,909	61,115	\$15.00	\$11,001	\$92	\$0.00	0.0%
5	Volumetric Transportation Rate Excludes CSITMA & CAT:									
6	Tier 1 = 250th/mo	223,928	\$0.54382	\$121,776	203,321	\$0.42409	\$86,227	(\$35,548)	(\$0.11972)	-22.0%
7	Tier 2 = next 4167 th/mo	495,650	\$0.28796	\$142,725	453,170	\$0.21123	\$95,722	(\$47,004)	(\$0.07673)	-26.6%
8	Tier 3 = over 4167 th/mo	264,524	\$0.11640	\$30,792	366,694	\$0.06850	\$25,119	(\$5,673)	(\$0.04790)	-41.2%
9		984,102	\$0.33807	\$332,699	1,023,186	\$0.23885	\$244,385	(\$88,314)	(\$0.09923)	-29.4%
10										
11	Volumetric Transportation Rate Includes CSITMA, Excludes CAT:									
12	CSITMA Adder to Volumetric Rate	980,381	\$0.00244	\$2,393	1,008,238	\$0.00221	\$2,233	(\$161)	(\$0.00023)	-9.3%
13	Tier 1 = 250th/mo		\$0.54626			\$0.42631		(\$0.11995)		-22.0%
14	Tier 2 = next 4167 th/mo		\$0.29040			\$0.21344		(\$0.07696)		-26.5%
15	Tier 3 = over 4167 th/mo		\$0.11885			\$0.07072		(\$0.04813)		-40.5%
16			\$0.34051			\$0.24106		(\$0.09945)		
17	Volumetric Transportation Rate Includes CSITMA & CAT:									
18	CAT Adder to Volumetric Rate	84,283	(\$0.00831)	(\$700)	137,753	(\$0.00003)	(\$4)	\$696	\$0.00828	-100%
19	Tier 1 = 250th/mo		\$0.53795			\$0.42628		(\$0.11167)		-20.8%
20	Tier 2 = next 4167 th/mo		\$0.28209			\$0.21341		(\$0.06868)		-24.3%
21	Tier 3 = over 4167 th/mo		\$0.11054			\$0.07068		(\$0.03985)		-36.1%
22			\$0.33221			\$0.24103		(\$0.09118)		-27.4%
23	Other Adjustments :									
24	TCA for CSITMA exempt customers		(\$0.00244)			(\$0.00221)		\$0.00023		-9.3%
25										
26	TOTAL CORE C&I	984,102	\$0.33979	\$334,392	1,023,186	\$0.24102	\$246,613	(\$87,779)	(\$0.09877)	-29.1%
27										
28	NATURAL GAS VEHICLES (a sempra-wide rate)									
29	Customer Charge, P-1	229	\$13.00	\$36	229	\$13.00	\$36	\$0	\$0.00000	0.0%
30	Customer Charge, P-2A	83	\$65.00	\$64	130	\$65.00	\$101	\$37	\$0.00000	0.0%
31	Uncompressed Rate Excludes CSITMA & CAT	117,220	\$0.12748	\$14,943	157,095	\$0.07469	\$11,734	(\$3,209)	(\$0.05279)	-41.4%
32	Total Uncompressed NGV	117,220	\$0.12833	\$15,043	157,095	\$0.07556	\$11,871	(\$3,172)	(\$0.05277)	-41.1%
33	Compressed Rate Adder	1,287	\$1.05002	\$1,351	2,099	\$1.03134	\$2,164	\$813	(\$0.01869)	-1.8%
34										
35	Uncompressed Rate Includes CSITMA, Excludes CAT									
36	CSITMA Adder to Volumetric Rate	117,175	\$0.00244	\$286	157,073	\$0.00221	\$348	\$62	(\$0.00023)	-9.3%
37	Uncompressed Rate \$/therm		\$0.12992			\$0.07691		(\$0.05301)		-40.8%
38	Other Adjustments :									
39	TCA for CSITMA exempt customers		(\$0.00244)			(\$0.00221)		\$0.00023		-9.3%
40										
41	TOTAL NGV SERVICE	117,220	\$0.14230	\$16,681	157,095	\$0.09155	\$14,383	(\$2,298)	(\$0.05075)	-35.7%
42										
43	RESIDENTIAL NATURAL GAS VEHICLES (optional rate)									
44	Customer Charge	5,460	\$10.00	\$655	5,618	\$10.00	\$674	\$19	\$0.00000	0.0%
45	Uncompressed Rate Excludes CSITMA & CA	5,346	\$0.19467	\$1,041	4,540	\$0.17740	\$805	(\$235)	(\$0.01728)	-8.9%
46		5,346	\$0.31722	\$1,696	4,540	\$0.32589	\$1,480	(\$216)	\$0.00866	2.7%
47	Uncompressed Rate Includes CSITMA, Excludes CAT									
48	CSITMA Adder to Volumetric Rate		\$0.00244			\$0.00221		(\$0.00023)		-9.3%
49	Uncompressed Rate \$/therm		\$0.19711			\$0.17961		(\$0.01750)		-8.9%
50										
51	Uncompressed Rate Includes CSITMA & CAT									
52	CAT Adder to Volumetric Rate	0	(\$0.00831)	\$0	0	(\$0.00003)	\$0	\$0	\$0.00828	-99.6%
53	Uncompressed Rate		\$0.18880			\$0.17958		\$0	(\$0.00922)	-4.9%
54	Other Adjustments :									
55	TCA for CSITMA exempt customers		(\$0.00244)			(\$0.00221)		\$0.00023		-9.3%
56										
57	TOTAL RESIDENTIAL NATURAL GAS VEHIC	5,346	\$0.31722	\$1,696	4,540	\$0.32589	\$1,480	(\$216)	\$0.00866	2.7%

TABLE 4
Core Nonresidential Transportation Rates (continued)
Southern California Gas Company
2016 TCAP Phase II Rates
2016 TCAP Phase II Application

	Present Rates			Proposed Rates			Changes			
	Jan-1-15 Volumes Mth	Average Rate \$/th	Jan-1-15 Revenue \$000's	Jan-1-17 Volumes Mth	Rate \$/th	Jan-1-17 Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1										
2										
3	<u>NON-RESIDENTIAL GAS A/C</u>									
4	Customer Charge	12	\$150.00	\$22	9	\$150	\$16	(\$5)	\$0.00000	0.0%
5	Volumetric Rate	825	\$0.11244	\$93	772	\$0.07153	\$55	(\$38)	(\$0.04091)	-36.4%
6		825	\$0.13864	\$114	772	\$0.09252	\$71	(\$43)	(\$0.04612)	-33.3%
7	Volumetric Rates Includes CSITMA, Excludes CAT									
8	CSITMA Adder to Volumetric Rate	825	\$0.00244	\$2	772	\$0.00221	\$2	(\$0)	(\$0.00023)	-9.3%
9	Volumetric		\$0.11488			\$0.07374			(\$0.04114)	-35.8%
10	Volumetric Rates Includes CSITMA & CAT									
11	CAT Adder to Volumetric Rate	0	(\$0.00831)	\$0	0	(\$0.00003)	\$0	\$0	\$0.00828	-99.6%
12	Gas A/C Rate		\$0.10657			\$0.07371		\$0	(\$0.03286)	-30.8%
13	<u>Other Adjustments :</u>									
14	TCA for CSITMA exempt customers		(\$0.00244)			(\$0.00221)			\$0.00023	-9.3%
15										
16	TOTAL A/C SERVICE	825	\$0.14108	\$116	772	\$0.09473	\$73	(\$43)	(\$0.04635)	-32.9%
17										
18	<u>GAS ENGINES</u>									
19	Customer Charge	708	\$50.00	\$425	712	\$50	\$427	\$2	\$0.00000	0.0%
20	Volumetric Excludes CSITMA & CAT	16,774	\$0.09387	\$1,575	20,699	\$0.09878	\$2,045	\$470	\$0.00491	5.2%
21		16,774	\$0.11919	\$1,999	20,699	\$0.11942	\$2,472	\$472	\$0.00023	0.2%
22	Volumetric Rates Includes CSITMA, Excludes CAT									
23	CSITMA Adder to Volumetric Rate	16,774	\$0.00244	\$41	20,699	\$0.00221	\$46	\$5	(\$0.00023)	-9.3%
24	Volumetric		\$0.09631			\$0.10099			\$0.00469	
25	Volumetric Rates Includes CSITMA & CAT									
26	CAT Adder to Volumetric Rate	0	(\$0.00831)	\$0	0	(\$0.00003)	\$0	\$0	\$0.00828	-99.6%
27	Gas Engine Rate		\$0.08800			\$0.10096		\$0	\$0.01296	14.7%
28	Other Adjustments									
29	TCA for CSITMA exempt customers		(\$0.00244)			(\$0.00221)			\$0.00023	-9.3%
30										
31	TOTAL GAS ENGINES	16,774	\$0.12163	\$2,040	20,699	\$0.12163	\$2,518	\$477	\$0.00000	0.0%
32										
33	<u>STREET & OUTDOOR LIGHTING (equals average Non-CAT CCI Rate)</u>									
34	Street & Outdoor Lighting Base Rate		\$0.33807			\$0.23885			(\$0.09923)	-29.4%
35										

TABLE 5
Noncore Commercial & Industrial Rates
Southern California Gas Company
2016 TCAP Phase II Rates
2016 TCAP Phase II Application

	Present Rates			Proposed Rates			Changes			
	Jan-1-15 Volumes Mth	Average Rate \$/th	Jan-1-15 Revenue \$000's	Jan-1-17 Volumes Mth	Rate \$/th	Jan-1-17 Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1	NonCore Commercial & Industrial Distribution Level									
2	Customer Charge	602	\$350.00	\$2,530	584	\$350.00	\$2,452	(\$79)	\$0.00000	0.0%
3										
4	Volumetric Rates Includes CARB fee, Excludes CSITMA									
5	Tier 1 = 250kth/yr	133,045	\$0.14882	\$19,800	121,573	\$0.12809	\$15,573	(\$4,227)	(\$0.02073)	-13.9%
6	Tier 2 = 250k to 1000k	217,578	\$0.09108	\$19,818	205,061	\$0.07802	\$15,998	(\$3,819)	(\$0.01307)	-14.3%
7	Tier 3 = 1 to 2 million th/yr	109,379	\$0.05415	\$5,923	109,960	\$0.04598	\$5,056	(\$867)	(\$0.00817)	-15.1%
8	Tier 4 = over 2 million th/yr	433,162	\$0.02776	\$12,024	428,508	\$0.02309	\$9,895	(\$2,129)	(\$0.00467)	-16.8%
9	Volumetric totals (excl itcs)	893,164	\$0.06445	\$57,564	865,102	\$0.05378	\$46,522	(\$11,042)	(\$0.01067)	-16.6%
10										
11	Volumetric Rates Includes CARB Fee & CSITMA									
12	CSITMA Adder to Volumetric Rate		\$0.00244	\$2,145		\$0.00221	\$1,897	(\$248)	(\$0.00023)	-9.3%
13	Tier 1 = 250kth/yr		\$0.15126			\$0.13031			(\$0.02095)	-13.9%
14	Tier 2 = 250k to 1000k		\$0.09352			\$0.08023			(\$0.01329)	-14.2%
15	Tier 3 = 1 to 2 million th/yr		\$0.05659			\$0.04820			(\$0.00839)	-14.8%
16	Tier 4 = over 2 million th/yr		\$0.03020			\$0.02531			(\$0.00489)	-16.2%
17	Other Adjustments :									
18	TCA for CSITMA exempt customers		(\$0.00244)			(\$0.00221)			\$0.00023	-9.3%
19	CARB Fee Credit \$/th		(\$0.00110)			(\$0.00071)			\$0.00040	-35.9%
20	NCCI - DISTRIBUTION LEVEL	893,164	\$0.06968	\$62,239	865,102	\$0.05880	\$50,871	(\$11,368)	(\$0.01088)	-15.6%
21										
22	NCCI-TRANSMISSION LEVEL Incl CARB Fee	10,674	\$0.01564	\$167	6,438	\$0.01440	\$93	(\$74)	(\$0.00124)	-7.9%
23	NCCI-TRANSMISSION LEVEL Incl CARB Fee	643,782	\$0.01808	\$11,639	653,799	\$0.01661	\$10,859	(\$780)	(\$0.00147)	-8.1%
24	NCCI-TRANSMISSION LEVEL (2)	654,456	\$0.01804	\$11,806	660,238	\$0.01659	\$10,952	(\$854)	(\$0.00145)	-8.0%
25										
26	TOTAL NONCORE C&I	1,547,620	\$0.04784	\$74,045	1,525,339	\$0.04053	\$61,823	(\$12,222)	(\$0.00731)	-15.3%

TABLE 6
Noncore Electric Generation Rates and Enhanced Oil Recovery Rates
Southern California Gas Company
2016 TCAP Phase II Rates
2016 TCAP Phase II Application

	Present Rates			Proposed Rates			Changes			
	Jan-1-15 Volumes Mth	Average Rate \$/th	Jan-1-15 Revenue \$000's	Jan-1-17 Volumes Mth	Rate \$/th	Jan-1-17 Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1										
2	<u>ELECTRIC GENERATION</u>									
3										
4										
5	<u>Small EG Distribution Level Service (a Sempra-Wide rate) Excludes CARB fee & CSITMA:</u>									
6	Customer Charge	147	\$50.00	\$88	201	\$50.00	\$121	\$32	\$0.00000	0.0%
7	Volumetric Rate	42,850	\$0.10380	\$4,448	77,207	\$0.08420	\$6,500	\$2,053	(\$0.01960)	-18.9%
8	Small EG Distribution Level Service	42,850	\$0.10586	\$4,536	77,207	\$0.08576	\$6,621	\$2,085	(\$0.02010)	-19.0%
9										
10	<u>Large EG Distribution Level Service (a Sempra-Wide rate) Excludes CARB Fee & CSITMA</u>									
11	Customer Charge	34	\$0.00	\$0	26	\$0.00	\$0	\$0	\$0.00000	
12	Volumetric Rate	291,119	\$0.03506	\$10,208	23,933	\$0.04459	\$1,067	(\$9,140)	\$0.00953	27.2%
13	Large EG Distribution Level Service	291,119	\$0.03506	\$10,208	23,933	\$0.04459	\$1,067	(\$9,140)	\$0.00953	27.2%
14										
15	EG Distribution excl CARB fee & CSITMA	333,969	\$0.04415	\$14,744	101,139	\$0.07602	\$7,688	(\$7,055)	\$0.03187	72.2%
16										
17	<u>Volumetric Rates Includes CARB fee. Excludes CSITMA</u>									
18	CARB Cost Adder	235,121	\$0.00110	\$260	1,838	\$0.00071	\$1	(\$258)	(\$0.00040)	-35.9%
19	EG-Distribution Tier 1 w/CARB fee		\$0.10490			\$0.08490			(\$0.02000)	-19.1%
20	EG-Distribution Tier 2 w/CARB Fee		\$0.03617			\$0.04530			\$0.00914	25.3%
21	Total - EG Distribution Level	333,969	\$0.04492	\$15,003	101,139	\$0.07603	\$7,690	(\$7,313)	\$0.03111	69.2%
22	CARB Fee Credit \$/th		(\$0.00110)			(\$0.00071)			\$0.00040	-35.9%
23										
24	EG Transmission Level Service Excl CARB fee	1,839,870	\$0.01453	\$26,741	1,839,416	\$0.01369	\$25,176	(\$1,565)	(\$0.00085)	-5.8%
25	EG Transmission Level Service Incl CARB Fee	801,210	\$0.01564	\$12,529	737,239	\$0.01440	\$10,613	(\$1,917)	(\$0.00124)	-7.9%
26	EG Transmission Level (2)	2,641,080	\$0.01487	\$39,270	2,576,656	\$0.01389	\$35,789	(\$3,481)	(\$0.00098)	-6.6%
27										
28	TOTAL ELECTRIC GENERATION	2,975,049	\$0.01824	\$54,273	2,677,795	\$0.01624	\$43,478	(\$10,795)	(\$0.00201)	-11.0%
29										
30	<u>EOR Rates & revenue Excludes CARB Fee & CSITMA:</u>									
31	Distribution Level EOR:									
32	Customer Charge	23	\$500.00	\$138	17	\$500.00	\$102	(\$36)	\$0.00000	0.0%
33	Volumetric Rate Excl CARB Fee & CSITMA	109,229	\$0.04366	\$4,769	137,620	\$0.07529	\$10,361	\$5,592	\$0.03163	72.4%
34										
35	<u>Volumetric Rates Includes CARB Fee. Excludes CSITMA</u>									
36	CARB Fee		\$0.00110			\$0.00071				
37	Volumetric Rate Incl CARB fee & Excl CSITMA		\$0.04476			\$0.07600			\$0.03123	69.8%
38	Distribution Level EOR	109,229	\$0.04492	\$4,907	137,620	\$0.07603	\$10,463	\$5,556	\$0.03111	69.2%
39	CARB Fee Credit \$/th		(\$0.00110)			(\$0.00071)			\$0.00040	-35.9%
40										
41	Transmission Level EOR Excludes CARB fee	94,691	\$0.01453	\$1,376	93,950	\$0.01369	\$1,286	(\$90)	(\$0.00085)	-5.8%
42	Total EOR	203,920	\$0.03081	\$6,283	231,570	\$0.05074	\$11,749	\$5,466	\$0.01993	64.7%

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

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

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

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

See footnotes Table 1

TABLE 7
Transmission Level Service Transportation Rates
Southern California Gas Company
2016 TCAP Phase II Rates

2016 TCAP Phase II Application

	Present Rates			Proposed Rates			Changes			
	Jan-1-15	Average	Jan-1-15	Jan-1-17	Jan-1-17	Jan-1-17	Revenue	Rate	% Rate	
	Volumes	Rate	BCAP Vols	Volumes	Rate	Revenue	Change	Change	change	
	Mth	\$/th	\$000's	Mth, Mdth	\$/th	\$000's	\$000's	\$/th	%	
	A	B	C	D	E	F	G	H	I	
1	Rate Excluding CSITMA & CARB Fee:									
2	Reservation Service Option (RS):									
3		\$0.00597			\$0.00689			\$0.00093	15.6%	
4		\$0.00650			\$0.00333			(\$0.00317)	-48.8%	
5	Class Average Volumetric Rate (CA)									
6		\$0.00803			\$0.01037			\$0.00233	29.0%	
7		\$0.00650			\$0.00333			(\$0.00317)	-48.8%	
8	Class Average Volumetric Rate (CA) \$/th									
9		\$0.01453			\$0.01369			(\$0.00084)	-5.8%	
10		\$0.01671			\$0.01575			(\$0.00096)	-5.8%	
11		\$0.01962			\$0.01849			(\$0.00113)	-5.8%	
12	Total Transmission Level Service (NCCI, EOR,	3,295,536	\$0.01453	\$47,897	3,236,893	\$0.01369	\$44,303	(\$3,594)	(\$0.00085)	-5.8%
13										
14	C&I Rate Including CSITMA & CARB Fee:									
15	CSITMA Adder to Usage Charge	643,782	\$0.00244	\$1,572	653,799	\$0.00221	\$1,448	(\$124)	(\$0.00023)	
16	CARB Fee Adder	1,455,666	\$0.00110	\$1,607	1,397,477	\$0.00071	\$989		(\$0.00040)	
17	Reservation Service Option (RS):									
18		\$0.00597			\$0.00689			\$0	\$0.00093	15.6%
19		\$0.01004			\$0.00625			\$0	(\$0.00379)	-37.8%
20	Class Average Volumetric Rate (CA)									
21		\$0.00803			\$0.01037			\$0	\$0.00233	29.0%
22		\$0.01004			\$0.00625			\$0	(\$0.00379)	-37.8%
23	Class Average Volumetric Rate (CA) \$/th									
24		\$0.01808			\$0.01662			\$0	(\$0.00146)	-8.1%
25		\$0.02026			\$0.01867			\$0	(\$0.00159)	-7.8%
26		\$0.02316			\$0.02141			\$0	(\$0.00175)	-7.6%
27	Other Adjustments :									
28	Transportation Charge Adj. (TCA) for CSITMA exempt custorm		(\$0.00244)			(\$0.00221)			\$0.00023	
29	California Air Resources Board (CARB) Fee Credit \$/th		(\$0.00110)			(\$0.00071)			\$0.00040	
30	Total Transmission Level Service Includes C	3,295,536	\$0.01550	\$51,076	3,236,893	\$0.01444	\$46,741	(\$4,335)	(\$0.00106)	-6.8%
31										
32	EG & EOR Rate Including CARB, excluding CSITMA:									
33		\$0.00110			\$0.00071				(\$0.00040)	
34	Reservation Service Option (RS):									
35		\$0.00597			\$0.00689			\$0	\$0.00093	15.6%
36		\$0.00760			\$0.00404			\$0	(\$0.00357)	-46.9%
37	Class Average Volumetric Rate (CA)									
38		\$0.00803			\$0.01037			\$0	\$0.00233	29.0%
39		\$0.00760			\$0.00404			\$0	(\$0.00357)	-46.9%
40	Class Average Volumetric Rate (CA) \$/th									
41		\$0.01564			\$0.01440			\$0	(\$0.00123)	-7.9%
42		\$0.01782			\$0.01646			\$0	(\$0.00136)	-7.6%
43		\$0.02072			\$0.01920			\$0	(\$0.00153)	-7.4%
44										
45	Other Adjustments :									
46	California Air Resources Board (CARB) Fee Credit \$/th		(\$0.00110)			(\$0.00071)			\$0.00040	-35.9%
47										
48	Rate Excluding CSITMA, CARB Fee, & Uncollectibles (applicable to Wholesale & International):									
49	Reservation Service Option (RS):									
50		\$0.00595			\$0.00688			\$0.00093	15.6%	
51		\$0.00648			\$0.00332			(\$0.00316)	-48.8%	
52	Class Average Volumetric Rate (CA)									
53		\$0.00801			\$0.01034			\$0.00233	29.0%	
54		\$0.00648			\$0.00332			(\$0.00316)	-48.8%	
55	Class Average Volumetric Rate (CA) \$/th									
56		\$0.01449			\$0.01366			(\$0.00084)	-5.8%	
57		\$0.01667			\$0.01570			(\$0.00096)	-5.8%	
58		\$0.01956			\$0.01844			(\$0.00113)	-5.8%	
59	Total Transmission Level Service (WS & Int'l)	317,990	\$0.01453	\$4,622	325,403	\$0.01369	\$4,454	(\$168)	(\$0.00085)	-5.8%
60										
61	Average Transmission Level Service	3,613,526	\$0.01541	\$55,698	3,562,296	\$0.01437	\$51,194	(\$4,503)	(\$0.00104)	-6.8%

TABLE 8
Backbone Transmission Service and Storage Rates
Southern California Gas Company
2016 TCAP Phase II Rates

2016 TCAP Phase II Application

	Present Rates			Proposed Rates			Changes			
	Jan-1-15	Average	Jan-1-15	Jan-1-17	Rate	Jan-1-17	Revenue	Rate	% Rate	
	Volumes	Rate	BCAP Vols	Volumes	Rate	Revenue	Change	Change	change	
	Mth	\$/th	\$000's	Mth, Mdth	\$/th	\$000's	\$000's	\$/th	%	
	A	B	C	D	E	F	G	H	I	
1	Backbone Transmission Service BTS									
2	BTS SFV Reservation Charge \$/dth/day	2,809	\$0.15777	\$161,782	2,818	\$0.18503	\$190,292	\$28,509	\$0.02726	17.3%
3	BTS MFV Reservation Charge \$/dth/day		\$0.12622			\$0.14803				
4	BTS MFV Volumetric Charge \$/dth		\$0.03155			\$0.03701				
5	BTS Interruptible Volumetric Charge \$/dth		\$0.15777			\$0.18503		\$0.02726	17.3%	
6										
7										
8	Storage Rates: (incl. HRSMA)									
9	Core \$000		\$52,836			\$65,731	\$12,895			
10	Load Balancing \$000		\$10,260			\$27,834	\$17,575			
11	Unbundled Storage \$000		\$26,476			\$17,020	(\$9,456)			
12			\$89,571			\$110,585	\$21,014			

See footnotes Table 1

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

**Revenue Check of Base Margin, Revenue Requirement and Rates
2016 TCAP Phase II Rates**

Base Margin in Transportation rates		\$000's	
Authorized Base Margin		\$1,855,615	
2013 attrition w/ffu		\$49,164	
2014 attrition w/ffu		\$51,672	
2015 attrition w/ffu		\$53,093	
Cost of Capital Adjustment		(\$25,431)	
Deferred Gain on Sale Amortization		\$3,108	
Base Margin		\$1,987,220	
Adjustments to Base Margin			
AB32 Fees	(\$5,188)	101.76%	(\$5,280) Cost Alloc
Brokerage Fee			(\$6,483) Misc Inputs
		\$1,975,458	
Adjustment to Storage for Honor Rancho in 2013TCAP		\$0	Fung TCAP Testimony
Adjustment for Aliso Canyon		\$27,000	
Base Margin in Transportation Rates (w/FFU; Pre SI/BTS) \$000		\$2,002,458	<i>Cost Alloc = \$2,002,458</i> \$0

Reconcile Base Margin with Revenue Requirement

Base Margin in Transportation Rates (w/FFU; Pre SI/BTS) \$000	\$2,002,458		
System Integration:			
Less Backbone Transmission Costs	(\$148,148)	Cost Alloc	
Less Local Transmission Costs	(\$66,748)	Cost Alloc	
Plus Backbone Transmission Costs w/SI	\$0	Cost Alloc	
Plus Local Transmission Costs w/SI	\$58,207	Cost Alloc	
Plus Unbundled BBT amount w/FFU	\$162,540	SI & BTS	
System Integration	\$5,851		
less Unbundled BBT amount w/FFU	(\$162,540)		
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,845,769	<i>cost allocation Tab = \$1,845,769</i>	(\$0)
Other Operating Costs and Revenues			
Regulatory Accounts	\$156,896	Cost Alloc	
Core Interstate Pipeline Demand Charges (IPDC)	\$3,896	Cost Alloc	
EOR Revenue allocated to Other Classes \$000	\$0	Cost Alloc	
EOR Costs allocated to Other Classes \$000	(\$11,749)	Cost Alloc	
Gas Engine Rate CAP adjustment	\$0	Cost Alloc	
adjustment \$000	(\$0)	Cost Alloc	
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$1,994,811	<i>cost allocation Tab = \$1,994,811</i>	\$0
plus SW Adjustments	(\$5,895)		
plus change due to TLS (NCCI/EG/WS/DGN)	(\$10,323)		
Final Revenue Requirement in Rate Tables w/oBBT Revenue	\$1,978,592	<i>Rate Table Total = \$1,978,592</i>	\$0
Est BBT Revenue- \$000	\$190,292	Cost Alloc	
Final Revenue Requirement in Rate Tables w/BBT Revenue	\$2,168,884	<i>Rate Table Total = \$2,168,884</i>	\$0

Summary of Transmission Costs	SCG	SDGE	Total	Source
Base Margin in Transport (w/FFU; Pre SI/BTS) \$000	\$2,002,458	\$305,893	\$2,308,351	
Net SI w/FFU:				
Remove Local-T	(\$66,748)	\$0	(\$66,748)	SI & BTS
Remove BBT	(\$148,148)	(\$38,229)	(\$186,377)	SI & BTS
add integrated Local-T	\$58,207	\$8,542	\$66,748	SI & BTS
add integrated BBT	\$0	\$0	\$0	SI & BTS
add BBT Unbundled Amount	\$186,377		\$186,377	SI & BTS
net system integration excl fuel, w/BTS	\$29,687	(\$29,687)	\$0	
remove BTS Unbundled Amount	(\$186,377)	\$0	(\$186,377)	
Base Margin (Post-SI, BTS; w/FFU)	\$1,845,769	\$276,205	\$2,121,974	
	\$1,845,769	\$276,205	\$2,121,974	Cost Alloc
	\$0	\$0	\$0	

Summary of System Throughput:	Mth/yr	Source
SCG's Demand FC for System Throughput mth/yr	9,648,574	Alloc Factors
Total Table 1	9,417,004	Rate Tables
plus EOR	231,570	Rate Tables
	9,648,574	

Summary of TLS Revenue:	SCG	SDGE	total	over (under) collection	revenue collected	Source
PreTLS Costs	\$59,080	(\$2,231)	\$56,849			TLS Rate
TLS Revenue	\$48,757	\$8,092	\$56,849	\$0	\$56,849	TLS Rate
net TLS cost	(\$10,323)	\$10,323	\$0			
			Costs Allocated to TLS class =		\$56,849	
			(under) over collected =		\$0	

Summary of Rate Table 1

	A (w/o BTS, TLS,SW)	B=SW Adj	C=A+B (w/o BTS, TLS)	D=TLS	E=C+D (w/o BTS)	F=BTS	Total G=E+F
Core	\$1,835,498	(\$1,121)	\$1,834,378		\$1,834,378	\$75,038	\$1,909,416
NCCI-D	\$50,871		\$50,871		\$50,871		
NCCI-T	\$10,176		\$10,176	\$308	\$10,484		
	\$61,047		\$61,047	\$308	\$61,355	\$29,147	\$90,502
SDGE Wholesale	\$17,440		\$17,440		\$17,440	\$24,337	
	\$78,487	\$0	\$78,487	\$308	\$78,795	\$53,484	\$132,279
EG-D	\$12,464	(\$4,775)	\$7,690		\$7,690		
EG-T	\$44,539		\$44,539	(\$8,282)	\$36,256		
	\$57,003	(\$4,775)	\$52,228	(\$8,282)	\$43,946	\$51,024	\$94,970
Wholesale (exclude SDGE)	\$5,409		\$5,409	(\$2,206)	\$3,203	\$4,592	\$7,795
DGN	\$1,394		\$1,394	(\$143)	\$1,251	\$1,741	\$2,992
TBS	\$17,020		\$17,020		\$17,020		\$17,020
EOR						\$4,412	\$4,412
Transport Rev Req \$000/yr	\$1,994,811	(\$5,895)	\$1,988,915	(\$10,323)	\$1,978,592	\$190,292	\$2,168,884
<i>Table 1 Total Revenue (Incl SI, BTS, TLS, SW Adj) =</i>	<u>\$1,994,811</u>				<u>\$1,978,592</u>		<u>\$2,168,884</u>
	\$0				\$0		\$0

A = Transport Rev Req w/ FFU, EOR Cr, SI; w/o BTS revenue, TLS, SW

B = Sempra Wide Adjustments

C = Transport Rev Req w/ FFU, EOR Cr, SI, SW; w/o BTS revenue, TLS

D = TLS Revenue (revenue from SCG's NCCI-T, EG-T, LB, Vernon, SWG, DGN; Excludes TLS revenue from SDGE's NCCI-T and EG-T customers)

E = Transport Rev Req w/ FFU, EOR Cr, SI, SW, TLS; w/o BTS revenue

F = Estimated BTS Charge paid by SCG customers (excludes BTS payments by SDGE's customers)

G = Total System Transportation Revenue per Table 1 includes SI, TLS, SW, BTS revenue

Summary of Rate tables 2 thru 5

Table 2 - Core Res & Core C&I:					
Residential Service \$000	\$1,570,791	Rate Tables			
Core C&I Service \$000	\$246,613	Rate Tables			
Table 3 - other Core service:					
SW NGV \$000	\$14,383	Rate Tables			
Gas AC \$000	\$73	Rate Tables			
Gas Engine \$000	\$2,518	Rate Tables			
CORE	<u>\$1,834,378</u>				
Table 4 - NonCore C&I and EG:					
NCCI \$000	\$61,823	Rate Tables			
Sw-EG \$000	\$43,478	Rate Tables			
Total NCCI & EG	\$105,301				
Less NCCI Transmission Level Included in Table 5	(\$10,952)	Rate Tables			
Less EG Transmisison Level Included in Table 5	(\$35,789)	Rate Tables			
Total NCCI-D and EG-D only	<u>\$58,561</u>				
Table 5 - Transmission Level Service					
SDGE Wholesale Charge for Core & Dist on table 1	\$51,194	Rate Tables			
UBS \$000	\$17,440	Rate Tables			
	\$17,020	Rate Tables			
System Total Rev Req w/SI, TLS, SW adj w/o BTS \$000	<u>\$1,978,592</u>		<i>Rev Req w/o BTS =</i>	\$1,978,592	\$0
Est BTS Revenue - \$000	\$190,292	Rate Tables			
System Total Rev Req w/SI, TLS, SW adj & BTS \$000	<u>\$2,168,884</u>		<i>Rev Reg w/BTS =</i>	\$2,168,884	\$0

Comparison SCG & SDGE revenue requirements	SCG	SDGE	SEU	Source
Authorized Base Margin in 2022GRC (excl misc revenue) \$000	\$1,855,615	\$286,919	\$2,142,534	SDGE/Revenue Check
attrition & other adjustments	\$131,605	\$18,974	\$150,579	
Current Authorized Base Margin	\$1,987,220	\$305,893	\$2,293,113	SDGE/Revenue Check
Remove Broker Fee	(\$6,483)		(\$6,483)	
Remove AB32 Admin Fee from Base Margin	(\$5,280)		(\$5,280)	
Adjustment to Storage for Honor Rancho in 2013TCAP	\$0		\$0	
Adjustment to Storage for Aliso Canyon in 2017TCAP	\$27,000		\$27,000	
Unbundled BTS amount	(\$186,377)	\$0	(\$186,377)	
Net System Integration	\$29,687	(\$29,687)	\$0	
Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,845,769	\$276,205	\$2,121,974	
Other Operate Costs	\$156,896	\$21,424	\$178,320	SDGE/Revenue Check
Regulatory Accounts	\$3,896	(\$30,337)	(\$26,441)	SDGE/Revenue Check
Other	(\$11,749)		(\$11,749)	
SW NGV & EG Adjustment	(\$5,895)	\$5,928	\$33	SDGE/Revenue Check
NET TLS Adjustment	(\$10,323)	\$10,323	\$0	SDGE/Revenue Check
Revenue Requirement w/oBTS	\$1,978,592	\$283,543	\$2,262,136	
BTS Revenue	\$190,292			
Revenue Requirement w BTS	\$2,168,884	\$283,543	\$2,262,136	
	\$2,168,884	\$283,543	\$2,452,428	Rate Tables
	\$0	\$0	\$0	

SCG/SDGE Transfer Payment for SI & BTS:	without FFU			with FFU			Source
	SCG	SDGE	SEU	SCG	SDGE	SEU	
FFU Rate Gross-to-Net Ratio	98.2668%	97.7193%		101.7638%	102.3340%		MISC Input
Pre-SI Costs:							
Backbone Transmission Cost	\$145,580	\$37,357	\$182,937	\$148,148	\$38,229	\$186,377	SI & BTS
Local Transmission Cost	\$65,591	\$0	\$65,591	\$66,748	\$0	\$66,748	SI & BTS
Transmission Costs	\$211,172	\$37,357	\$248,529	\$214,896	\$38,229	\$253,125	
Fuel	\$0	\$0	\$0	\$0	\$0	\$0	In-Kind Charge per BTS L
Total Pre-SI Costs	\$211,172	\$37,357	\$248,529	\$214,896	\$38,229	\$253,125	
Post-SI Costs:							
Backbone Transmission Cost	\$183,147	\$0	\$183,147	\$186,377	\$0	\$186,377	SI & BTS
Local Transmission Cost	\$57,198	\$8,347	\$65,545	\$58,207	\$8,542	\$66,748	SI & BTS
Transmission Costs	\$240,344	\$8,347	\$248,691	\$244,584	\$8,542	\$253,125	
Fuel	\$0	\$0	\$0	\$0	\$0	\$0	In-Kind Charge per BTS L
Total Post SI Costs	\$240,344	\$8,347	\$248,691	\$244,584	\$8,542	\$253,125	
SI/BTS Transfer \$000	\$29,173	(\$29,010)	\$163	\$29,687	(\$29,687)	\$0	
Other Sempra Wide Rate Adjustments:							
SW NGV	(\$1,101)	\$1,101	\$0	(\$1,121)	\$1,127	\$6	Rate Tables
SW EG-D	(\$4,692)	\$4,692	\$0	(\$4,775)	\$4,801	\$27	Rate Tables
SW TLS	(\$10,144)	\$10,088	(\$57)	(\$10,323)	\$10,323	\$0	Cost Alloc
Total Other Sempra Wide Rate Adjustments	(\$15,937)	\$15,881	(\$57)	(\$16,218)	\$16,251	\$33	
Total Transfer \$000	\$13,236	(\$13,130)	\$106	\$13,469	(\$13,436)	\$33	

SoCalGas Cost Alloc
2016 TCAP Phase II Rates

COST COMPONENTS \$000's	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I
Base Margin Costs:							
Customer Cost w/o SA \$000	\$964,133	\$113,183	\$41	\$2,908	\$6,135	\$1,086,399	\$14,397
Medium Pressure Distribution Costs	\$360,700	\$81,370	\$9	\$550	\$1,954	\$444,583	\$13,258
High Pressure Distribution Costs	\$57,696	\$16,871	\$5	\$198	\$1,382	\$76,152	\$9,808
Backbone Transmission Costs	\$39,789	\$15,893	\$11	\$307	\$2,327	\$58,326	\$22,656
Local Transmission Costs	\$24,613	\$7,249	\$2	\$88	\$794	\$32,747	\$7,635
Storage - Seasonal	\$46,830	\$10,526	\$4	\$120	\$769	\$58,250	\$0
Storage - Load Balancing	\$7,025	\$2,952	\$2	\$60	\$453	\$10,492	\$4,400
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-DSM Related Marketing	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$4,296	\$710	\$0	\$12	\$40	\$5,058	\$207
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$2,440	\$2,440	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$1,505,081	\$248,754	\$75	\$4,242	\$16,294	\$1,774,447	\$72,360
Less Backbone Transmission Costs	(\$39,789)	(\$15,893)	(\$11)	(\$307)	(\$2,327)	(\$58,326)	(\$22,656)
Less Local Transmission Costs	(\$24,613)	(\$7,249)	(\$2)	(\$88)	(\$794)	(\$32,747)	(\$7,635)
Plus Local Transmission Costs w/SI, FFU	\$24,648	\$7,259	\$2	\$88	\$795	\$32,793	\$7,645
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,465,327	\$232,872	\$64	\$3,936	\$13,969	\$1,716,167	\$49,715

Other Operating Costs and Revenues	Non-ECPT?	Add FFU Y or N?	Amount to Allocate (w/o F&U)	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I
Aliso Canyon Turbine Replacement (ACTR)	Y		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a										
Company Use Gas: Other		Y	\$1,054	\$271	\$114	\$0	\$2	\$17	\$404	\$169
Company Use Gas: Storage Load Balancing		N	\$1,033	\$261	\$110	\$0	\$2	\$17	\$389	\$163
AMI	Y	Y	\$113,636	\$110,161	\$5,454	\$0	\$20	\$4	\$115,640	\$0
Exchange Revenues & Interutility Transactions		N	\$118	\$32	\$13	\$0	\$0	\$2	\$47	\$18
Fuel Cell Equipment Revenues	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas		Y	\$32,885	\$15,932	\$6,694	\$5	\$135	\$1,028	\$23,794	\$2,454
n/a										
Well Incidents & Surface Leaks		Y	\$298	\$78	\$33	\$0	\$1	\$5	\$117	\$49
Subtotal Other Operating Costs and Revenues			\$154,211	\$128,913	\$13,333	\$6	\$179	\$1,214	\$143,645	\$4,219

SoCalGas Cost Alloc
2016 TCAP Phase II Rates

COST COMPONENTS \$000's	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN
Base Margin Costs:										
Customer Cost w/o SA \$000	\$4,193	\$6,759	\$1,848	\$27,197	\$680	\$1,161	\$612	\$414	\$2,867	\$166
Medium Pressure Distribution Costs	\$2,162	\$1,430	\$46	\$16,895	\$0	\$0	\$0	\$0	\$0	\$0
High Pressure Distribution Costs	\$881	\$2,419	\$1,676	\$14,785	\$0	\$0	\$0	\$0	\$0	\$0
Backbone Transmission Costs	\$1,440	\$38,221	\$3,430	\$65,746	\$1,186	\$19,153	\$974	\$1,409	\$22,722	\$1,353
Local Transmission Costs	\$472	\$13,838	\$1,203	\$23,147	\$613	\$8,623	\$648	\$500	\$10,384	\$470
Storage - Seasonal	\$0	\$0	\$0	\$0	\$0	\$7,481	\$0	\$0	\$7,481	\$0
Storage - Load Balancing	\$280	\$7,444	\$668	\$12,793	\$212	\$3,610	\$189	\$274	\$4,286	\$264
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-DSM Related Marketing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$27	\$201	\$0	\$434	\$0	\$0	\$0	\$0	\$0	\$0
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$9,455	\$70,312	\$8,870	\$160,998	\$2,692	\$40,029	\$2,422	\$2,598	\$47,741	\$2,253
Less Backbone Transmission Costs	(\$1,440)	(\$38,221)	(\$3,430)	(\$65,746)	(\$1,186)	(\$19,153)	(\$974)	(\$1,409)	(\$22,722)	(\$1,353)
Less Local Transmission Costs	(\$472)	(\$13,838)	(\$1,203)	(\$23,147)	(\$613)	(\$8,623)	(\$648)	(\$500)	(\$10,384)	(\$470)
Plus Local Transmission Costs w/SI, FFU	\$472	\$13,858	\$1,204	\$23,180	\$614	\$0	\$649	\$501	\$1,764	\$470
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$8,016	\$32,111	\$5,442	\$95,284	\$1,506	\$12,253	\$1,449	\$1,189	\$16,398	\$900

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$66	\$596	\$0	\$2,026	\$0	\$0	\$0	\$0	\$0	\$0
Aliso Canyon Turbine Replacement (ACTR)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a										
Company Use Gas: Other	\$11	\$287	\$25	\$492	\$8	\$139	\$7	\$11	\$165	\$10
Company Use Gas: Storage Load Balancing	\$10	\$276	\$25	\$475	\$8	\$134	\$7	\$10	\$159	\$10
AMI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$1	\$31	\$0	\$51	\$1	\$16	\$1	\$1	\$18	\$1
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$156	\$4,152	\$366	\$7,128	\$118	\$2,008	\$105	\$153	\$2,383	\$147
n/a										
Well Incidents & Surface Leaks	\$3	\$83	\$0	\$135	\$2	\$40	\$2	\$3	\$48	\$3
Subtotal Other Operating Costs and Revenues	\$248	\$5,424	\$416	\$10,307	\$137	\$2,336	\$122	\$178	\$2,773	\$171

**SoCalGas Cost Alloc
2016 TCAP Phase II Rates**

COST COMPONENTS \$000's	TBS	Total Non Core	Total System \$000	Source
Base Margin Costs:				
Customer Cost w/o SA \$000	\$0	\$30,231	\$1,116,630	CA Model
Medium Pressure Distribution Costs	\$0	\$16,895	\$461,478	CA Model
High Pressure Distribution Costs	\$0	\$14,785	\$90,937	CA Model
Backbone Transmission Costs	\$0	\$89,822	\$148,148	CA Model
Local Transmission Costs	\$0	\$34,002	\$66,748	CA Model
Storage - Seasonal	\$0	\$7,481	\$65,731	CA Model
Storage - Load Balancing	\$0	\$17,342	\$27,834	CA Model
Storage - TBS	\$17,020	\$17,020	\$17,020	CA Model
Non-DSM Related Marketing	\$0	\$0	\$0	CA Model
Uncollectibles	\$0	\$434	\$5,492	CA Model
NGV Compression Costs:	\$0	\$0	\$2,440	CA Model
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$17,020	\$228,012	\$2,002,458	
Less Backbone Transmission Costs	\$0	(\$89,822)	(\$148,148)	
Less Local Transmission Costs	\$0	(\$34,002)	(\$66,748)	
Plus Local Transmission Costs w/SI, FFU	\$0	\$25,414	\$58,207	SI & FAR
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$17,020	\$129,602	\$1,845,769	

Other Operating Costs and Revenues				F&U Amount \$000	Total Allocated \$000	
AB32 Fees (subtracted from base margin and allocated here)	\$0	\$2,026	\$5,280	\$92	\$5,188	Misc Input
Aliso Canyon Turbine Replacement (ACTR)	\$0	\$0	\$0	\$0	\$0	Cost Allocation
n/a						
Company Use Gas: Other	\$0	\$667	\$1,071	\$18	\$1,054	Misc Input
Company Use Gas: Storage Load Balancing	\$0	\$643	\$1,033	\$0	\$1,033	Misc Input
AMI	\$0	\$0	\$115,640	\$2,004	\$113,636	AMI Decision
Exchange Revenues & Interutility Transactions	\$0	\$70	\$118	\$0	\$118	Deamnd FC 1/14/2008
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0	\$0	Mkt Dept 1/22/2008
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0	\$0	2008RD Model
Unaccounted For (UAF) Gas	\$0	\$9,658	\$33,452	\$567	\$32,885	Misc Input
n/a						
Well Incidents & Surface Leaks	\$0	\$186	\$303	\$5	\$298	Misc Input
Subtotal Other Operating Costs and Revenues	\$0	\$13,251	\$156,896	\$2,685	\$154,211	

**SoCalGas Cost Alloc
2016 TCAP Phase II Rates**

COST COMPONENTS \$000's	Allocation
Base Margin Costs:	
Customer Cost w/o SA \$000	
Medium Pressure Distribution Costs	
High Pressure Distribution Costs	
Backbone Transmission Costs	
Local Transmission Costs	
Storage - Seasonal	
Storage - Load Balancing	
Storage - TBS	
Non-DSM Related Marketing	
Uncollectibles	
NGV Compression Costs:	
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	
Less Backbone Transmission Costs	
Less Local Transmission Costs	
Plus Local Transmission Costs w/SI, FFU	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	
Other Operating Costs and Revenues	
AB32 Fees (subtracted from base margin and allocated here)	ECPT AB32 Fee Non-Exempt
Aliso Canyon Turbine Replacement (ACTR)	Post-Replacement Allocator
n/a	
Company Use Gas: Other	ECPT Incl EOR
Company Use Gas: Storage Load Balancing	ECPT Incl EOR
AMI	Core Avg Meter Count 2009-2015
Exchange Revenues & Interutility Transactions	CYTP ExEOR
Fuel Cell Equipment Revenues	EPAM ExEOR
Marketing: DSM Program Awards	Core ECPT
Unaccounted For (UAF) Gas	Method #2 - 71% core @ ECPT / 29% noncore
n/a	
Well Incidents & Surface Leaks	Allocate Core=Storage Inv NonCore=LB Inv=ECPT
Subtotal Other Operating Costs and Revenues	

SoCalGas Cost Alloc
2016 TCAP Phase II Rates

Allocation %

	Total System	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG <3 mmth /yr	EG >=3 mmth /yr	EOR	Total Retail Non Core
COST COMPONENTS \$000's												
Base Margin Costs:												
Customer Cost w/o SA \$000												
Medium Pressure Distribution Costs												
High Pressure Distribution Costs												
Backbone Transmission Costs												
Local Transmission Costs												
Storage - Seasonal												
Storage - Load Balancing												
Storage - TBS												
Non-DSM Related Marketing												
Uncollectibles												
NGV Compression Costs:												
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU												
Less Backbone Transmission Costs												
Less Local Transmission Costs												
Plus Local Transmission Costs w/SI, FFU												
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU												
Other Operating Costs and Revenues												
AB32 Fees (subtracted from base margin and allocated here)	100.0%	41.3%	17.3%	0.0%	0.4%	2.7%	61.6%	25.8%	1.2%	11.3%	0.0%	38.4%
Aliso Canyon Turbine Replacement (ACTR)	100.0%	29.7%	6.4%	0.0%	0.1%	0.6%	36.9%	2.8%	0.2%	4.7%	0.4%	8.1%
n/a												
Company Use Gas: Other	100.0%	25.2%	10.6%	0.0%	0.2%	1.6%	37.7%	15.8%	1.0%	26.7%	2.4%	46.0%
Company Use Gas: Storage Load Balancing	100.0%	25.2%	10.6%	0.0%	0.2%	1.6%	37.7%	15.8%	1.0%	26.7%	2.4%	46.0%
AMI	100.0%	95.3%	4.7%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Exchange Revenues & Interutility Transactions	100.0%	27.5%	11.0%	0.0%	0.2%	1.6%	40.3%	15.7%	1.0%	26.4%	0.0%	43.1%
Fuel Cell Equipment Revenues	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Marketing: DSM Program Awards	100.0%	67.0%	28.1%	0.0%	0.6%	4.3%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unaccounted For (UAF) Gas	100.0%	47.6%	20.0%	0.0%	0.4%	3.1%	71.1%	7.3%	0.5%	12.4%	1.1%	21.3%
n/a												
Well Incidents & Surface Leaks	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%	44.6%
Subtotal Other Operating Costs and Revenues	100.0%	82.2%	8.5%	0.0%	0.1%	0.8%	91.6%	2.7%	0.2%	3.5%	0.3%	6.6%

**SoCalGas Cost Alloc
2016 TCAP Phase II Rates**

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
Base Margin Costs:								
Customer Cost w/o SA \$000								
Medium Pressure Distribution Costs								
High Pressure Distribution Costs								
Backbone Transmission Costs								
Local Transmission Costs								
Storage - Seasonal								
Storage - Load Balancing								
Storage - TBS								
Non-DSM Related Marketing								
Uncollectibles								
NGV Compression Costs:								
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU								
Less Backbone Transmission Costs								
Less Local Transmission Costs								
Plus Local Transmission Costs w/SI, FFU								
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU								
Other Operating Costs and Revenues								
AB32 Fees (subtracted from base margin and allocated here)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.4%
Aliso Canyon Turbine Replacement (ACTR)	0.1%	6.4%	0.1%	0.2%	6.8%	0.2%	48.0%	63.1%
n/a								
Company Use Gas: Other	0.8%	13.0%	0.7%	1.0%	15.4%	0.9%	0.0%	62.3%
Company Use Gas: Storage Load Balancing	0.8%	13.0%	0.7%	1.0%	15.4%	0.9%	0.0%	62.3%
AMI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Exchange Revenues & Interutility Transactions	0.8%	13.2%	0.7%	1.0%	15.7%	0.9%	0.0%	59.7%
Fuel Cell Equipment Revenues	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Marketing: DSM Program Awards	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unaccounted For (UAF) Gas	0.4%	6.0%	0.3%	0.5%	7.1%	0.4%	0.0%	28.9%
n/a								
Well Incidents & Surface Leaks	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Subtotal Other Operating Costs and Revenues	0.1%	1.5%	0.1%	0.1%	1.8%	0.1%	0.0%	8.4%

SoCalGas Cost Alloc
2016 TCAP Phase II Rates

COST COMPONENTS \$000's				Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I
Regulatory Accounts										
Affiliate Transfer Fee Account (ATFA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)		Y	(\$7)	(\$2)	(\$4)	\$0	(\$0)	(\$1)	(\$7)	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Y	N	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees		N	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Firm Access & Storage Rights Memorandum Account (FARSMA)		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)		Y	\$2,692	\$1,834	\$771	\$1	\$16	\$118	\$2,739	\$0
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)		Y	\$715	\$0	\$0	\$0	\$0	\$0	\$0	\$728
California Solar Initiative Thermal Memorandum Account (CSITPMA)		Y	\$9,788	\$3,988	\$2,233	\$2	\$46	\$348	\$6,616	\$3,345
Enhanced Oil Recovery Account (EORA)	Y	Y	(\$630)	(\$497)	(\$79)	(\$0)	(\$1)	(\$5)	(\$582)	(\$28)
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)		Y	\$11,831	\$3,113	\$1,308	\$1	\$26	\$201	\$4,650	\$1,950
Honor Rancho Storage Memorandum Account (HRSMA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intervenor Award Memorandum Account (IAMA)		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Gain / Loss on Sale Memorandum Account (GLOSMA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PCB Expense Account (PCBEA)		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	(\$1,082)	(\$454)	(\$191)	(\$0)	(\$4)	(\$29)	(\$679)	(\$285)
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFC A) Margin	Y	Y	\$2,281	\$0	\$0	\$0	\$0	\$0	\$0	\$1,077
Noncore Fixed Cost Account (NFC A) Nonmargin		Y	\$1,072	\$0	\$0	\$0	\$0	\$0	\$0	\$288
Integrated Transmission Balancing Account (ITBA) Margin		Y	\$10,192	\$3,287	\$1,313	\$1	\$25	\$192	\$4,818	\$1,871
Integrated Transmission Balancing Account (ITBA) Nonmargin		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)		Y	\$326	\$105	\$42	\$0	\$1	\$6	\$154	\$60
Compression Services Balancing Account (CSBA)	Y	Y	(\$288)	\$0	\$0	\$0	\$0	(\$293)	(\$293)	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)		Y	\$30	\$8	\$3	\$0	\$0	\$0	\$12	\$5
System Reliability Memorandum Account (SRMA)		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Noncore Storage Balancing Account (NSBA)		Y	(\$14)	(\$4)	(\$2)	(\$0)	(\$0)	(\$0)	(\$6)	(\$2)
Pension Balancing Account (PBA)	Y	Y	(\$19,739)	(\$16,143)	(\$2,566)	(\$1)	(\$43)	(\$154)	(\$18,907)	(\$548)
PBOP Balancing Account (PBOPBA)	Y	Y	(\$21,060)	(\$17,224)	(\$2,737)	(\$1)	(\$46)	(\$164)	(\$20,172)	(\$584)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SoCalGas Cost Alloc
2016 TCAP Phase II Rates

COST COMPONENTS \$000's	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN
Regulatory Accounts										
Affiliate Transfer Fee Account (ATFA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	\$728	\$0	\$0	\$0	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$0	\$0	\$3,345	\$0	\$0	\$0	\$0	\$0	\$0
Enhanced Oil Recovery Account (EORA)	(\$4)	(\$18)	\$0	(\$50)	(\$1)	(\$7)	(\$1)	(\$1)	(\$9)	(\$0)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$124	\$3,299	\$0	\$5,374	\$94	\$1,596	\$83	\$121	\$1,894	\$117
Honor Rancho Storage Memorandum Account (HRSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intervenor Award Memorandum Account (IAMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	(\$14)	(\$124)	\$0	(\$423)	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Margin	\$174	\$696	\$0	\$1,946	\$33	\$265	\$31	\$26	\$354	\$19
Noncore Fixed Cost Account (NFCA) Nonmargin	\$18	\$487	\$0	\$793	\$14	\$236	\$12	\$18	\$280	\$17
Integrated Transmission Balancing Account (ITBA) Margin	\$119	\$3,157	\$0	\$5,148	\$98	\$0	\$80	\$116	\$294	\$111
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$4	\$101	\$0	\$165	\$3	\$0	\$3	\$4	\$9	\$4
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$0)
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$0	\$8	\$1	\$14	\$0	\$4	\$0	\$0	\$5	\$0
System Reliability Memorandum Account (SRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Noncore Storage Balancing Account (NSBA)	(\$0)	(\$4)	\$0	(\$6)	(\$0)	(\$2)	(\$0)	(\$0)	(\$2)	(\$0)
Pension Balancing Account (PBA)	(\$88)	(\$354)	\$0	(\$990)	(\$17)	(\$135)	(\$16)	(\$13)	(\$180)	(\$10)
PBOP Balancing Account (PBOPBA)	(\$94)	(\$377)	\$0	(\$1,056)	(\$18)	(\$144)	(\$17)	(\$14)	(\$192)	(\$11)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SoCalGas Cost Alloc
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COST COMPONENTS \$000's	TBS	Total Non Core	Total System \$000			Source
Regulatory Accounts						
Affiliate Transfer Fee Account (ATFA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$0	\$0	(\$7)	(\$0)	(\$7)	Reg. Acct Filing 10/2014
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Core Fixed Cost Account (CFCA)	\$0	\$0	\$2,739	\$47	\$2,692	Reg. Acct Filing 10/2014
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$728	\$728	\$13	\$715	Reg. Acct Filing 10/2014
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$3,345	\$9,961	\$173	\$9,788	Reg. Acct Filing 10/2014
Enhanced Oil Recovery Account (EORA)	\$0	(\$59)	(\$641)	(\$11)	(\$630)	Reg. Acct Filing 10/2014
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Transmission Integrity Management Program Memorandum Account (TIMPBA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Hazardous Substance Cost-Recovery Account (HSCRA)	\$0	\$7,384	\$12,034	\$203	\$11,831	Reg. Acct Filing 10/2014
Honor Rancho Storage Memorandum Account (HRSMA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Intervenor Award Memorandum Account (IAMA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Master Meter Balancing Account (MMBA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	(\$423)	(\$1,101)	(\$19)	(\$1,082)	Reg. Acct Filing 10/2014
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Noncore Fixed Cost Account (NFC A) Margin	\$0	\$2,320	\$2,320	\$39	\$2,281	Reg. Acct Filing 10/2014
Noncore Fixed Cost Account (NFC A) Nonmargin	\$0	\$1,090	\$1,090	\$18	\$1,072	Reg. Acct Filing 10/2014
Integrated Transmission Balancing Account (ITBA) Margin	\$0	\$5,553	\$10,371	\$179	\$10,192	Reg. Acct Filing 10/2014
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$0	\$178	\$332	\$6	\$326	Reg. Acct Filing 10/2014
Compression Services Balancing Account (CSBA)	\$0	(\$0)	(\$293)	(\$5)	(\$288)	Reg. Acct Filing 10/2014
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$0	\$19	\$31	\$1	\$30	Reg. Acct Filing 10/2014
System Reliability Memorandum Account (SRMA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Noncore Storage Balancing Account (NSBA)	\$0	(\$9)	(\$14)	(\$0)	(\$14)	Reg. Acct Filing 10/2014
Pension Balancing Account (PBA)	\$0	(\$1,180)	(\$20,087)	(\$348)	(\$19,739)	Reg. Acct Filing 10/2014
PBOP Balancing Account (PBOPBA)	\$0	(\$1,259)	(\$21,431)	(\$371)	(\$21,060)	Reg. Acct Filing 10/2014
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014

**SoCalGas Cost Alloc
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COST COMPONENTS \$000's	Allocation
Regulatory Accounts	
Affiliate Transfer Fee Account (ATFA)	EPAM ExEOR
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	EPAM, to be updated w/ % core-noncore revenue
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	ECPT ExEOR
Disconnect Memorandum Account (DMA)	100% Residential
FERC Settlement Proceeds Memorandum Account (FSPMA)	ECPT CAT Only
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	EPAM ExEOR
GRCRRMA Sub allocation for AB32 Admin Fees	ECPT AB32 Fee Non-Exempt
Firm Access & Storage Rights Memorandum Account (FARSMA)	ECPT ExEOR
Core Fixed Cost Account (CFCA)	Core ECPT
On-Bill Financing Balancing Account (OBFBA)	EPAM ExEOR
Economic Practicality Shortfall Memorandum Account (EPSMA)	100% Noncore C&I
California Solar Initiative Thermal Memorandum Account (CSITPMA)	ECPT ex CARE Participants & EOR
Enhanced Oil Recovery Account (EORA)	EORA Allocation Factor
Environmental Fee Balance Account EFBA	ECPT AB32 Fee Non-Exempt
Distribution Integrity Management Program Memorandum Account (DIMPBA)	EPAM ExEOR
Transmission Integrity Management Program Memorandum Account (TIMPBA)	EPAM ExEOR
Hazardous Substance Cost-Recovery Account (HSCRA)	ECPT ExEOR
Honor Rancho Storage Memorandum Account (HRSMA)	HRSMA Allocator
Intervenor Award Memorandum Account (IAMA)	ECPT ExEOR
Gain / Loss on Sale Memorandum Account (GLOSMA)	EPAM Excl EOR
PCB Expense Account (PCBEA)	ECPT ExEOR
Master Meter Balancing Account (MMBA)	EPAM Excl EOR
Montebello True-Up Tracking Account (MTTA)	MTTA Allocation Factor
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	ECPT AB32 Fee Non-Exempt
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	EPAM ExEOR
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	EPAM ExEOR
Noncore Fixed Cost Account (NFCA) Margin	NonCore EPAM ExEOR
Noncore Fixed Cost Account (NFCA) Nonmargin	NonCore ECPT ExEOR
Integrated Transmission Balancing Account (ITBA) Margin	CYTP Excl. EOR & SDG&E
Integrated Transmission Balancing Account (ITBA) Nonmargin	CYTP Excl. EOR & SDG&E
Compressor Station Fuel and Power Balancing Account (CFPBA)	CYTP Excl. EOR & SDG&E
Compression Services Balancing Account (CSBA)	One customer allocate to NGV
Company-Use Fuel for Load Balancing Account (CUFLBA)	ECPT Incl EOR
System Reliability Memorandum Account (SRMA)	ECPT ExEOR
Noncore Storage Balancing Account (NSBA)	ECPT ExEOR
Pension Balancing Account (PBA)	EPAM Excl EOR
PBOP Balancing Account (PBOPBA)	EPAM Excl EOR
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	CYCPM System Excl. Wholesale
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	HPD CYCPM System Total
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	CYCPM System Excl. Wholesale
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	HPD CYCPM System Total
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	CYCPM System Excl. Wholesale

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Allocation %

COST COMPONENTS \$000's	Total System	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core			EOR	Total Retail Non Core
								C&I	EG <3 mmth /yr	EG >=3 mmth /yr		
Regulatory Accounts												
Affiliate Transfer Fee Account (ATFA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%	44.6%
Disconnect Memorandum Account (DMA)	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FERC Settlement Proceeds Memorandum Account (FSPMA)	100.0%	22.4%	62.0%	0.0%	0.8%	14.8%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
GRCRRMA Sub allocation for AB32 Admin Fees	100.0%	41.3%	17.3%	0.0%	0.4%	2.7%	61.6%	25.8%	1.2%	11.3%	0.0%	38.4%
Firm Access & Storage Rights Memorandum Account (FARSMA)	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%	44.6%
Core Fixed Cost Account (CFCA)	100.0%	67.0%	28.1%	0.0%	0.6%	4.3%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On-Bill Financing Balancing Account (OBFBA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Economic Practicality Shortfall Memorandum Account (EPSMA)	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
California Solar Initiative Thermal Memorandum Account (CSITPMA)	100.0%	40.0%	22.4%	0.0%	0.5%	3.5%	66.4%	33.6%	0.0%	0.0%	0.0%	33.6%
Enhanced Oil Recovery Account (EORA)	100.0%	77.5%	12.3%	0.0%	0.2%	0.7%	90.8%	4.3%	0.7%	2.8%	0.0%	7.8%
Environmental Fee Balance Account EFBA	100.0%	41.3%	17.3%	0.0%	0.4%	2.7%	61.6%	25.8%	1.2%	11.3%	0.0%	38.4%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Hazardous Substance Cost-Recovery Account (HSCRA)	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%	44.6%
Honor Rancho Storage Memorandum Account (HRSMA)	100.0%	44.8%	8.1%	0.0%	0.2%	0.6%	53.7%	1.0%	0.1%	1.6%	0.1%	2.8%
Intervenor Award Memorandum Account (IAMA)	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%	44.6%
Gain / Loss on Sale Memorandum Account (GLOSMA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
PCB Expense Account (PCBEA)	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%	44.6%
Master Meter Balancing Account (MMBA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Montebello True-Up Tracking Account (MTTA)	100.0%	46.9%	19.7%	0.0%	0.4%	3.0%	70.0%	7.9%	0.5%	13.4%	0.0%	21.8%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	100.0%	41.3%	17.3%	0.0%	0.4%	2.7%	61.6%	25.8%	1.2%	11.3%	0.0%	38.4%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Noncore Fixed Cost Account (NFCA) Margin	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	46.4%	7.5%	30.0%	0.0%	83.9%
Noncore Fixed Cost Account (NFCA) Nonmargin	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	26.4%	1.7%	44.6%	0.0%	72.7%
Integrated Transmission Balancing Account (ITBA) Margin	100.0%	31.7%	12.7%	0.0%	0.2%	1.9%	46.5%	18.0%	1.1%	30.4%	0.0%	49.6%
Integrated Transmission Balancing Account (ITBA) Nonmargin	100.0%	31.7%	12.7%	0.0%	0.2%	1.9%	46.5%	18.0%	1.1%	30.4%	0.0%	49.6%
Compressor Station Fuel and Power Balancing Account (CFPBA)	100.0%	31.7%	12.7%	0.0%	0.2%	1.9%	46.5%	18.0%	1.1%	30.4%	0.0%	49.6%
Compression Services Balancing Account (CSBA)	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Company-Use Fuel for Load Balancing Account (CUFLBA)	100.0%	25.2%	10.6%	0.0%	0.2%	1.6%	37.7%	15.8%	1.0%	26.7%	2.4%	46.0%
System Reliability Memorandum Account (SRMA)	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%	44.6%
Noncore Storage Balancing Account (NSBA)	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%	44.6%
Pension Balancing Account (PBA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
PBOP Balancing Account (PBOPBA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	100.0%	42.3%	12.5%	0.0%	0.2%	1.4%	56.3%	13.1%	0.8%	23.8%	2.1%	39.8%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	100.0%	63.4%	18.6%	0.0%	0.2%	1.5%	83.7%	10.8%	1.0%	2.7%	1.8%	16.3%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	100.0%	42.3%	12.5%	0.0%	0.2%	1.4%	56.3%	13.1%	0.8%	23.8%	2.1%	39.8%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	100.0%	63.4%	18.6%	0.0%	0.2%	1.5%	83.7%	10.8%	1.0%	2.7%	1.8%	16.3%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	100.0%	42.3%	12.5%	0.0%	0.2%	1.4%	56.3%	13.1%	0.8%	23.8%	2.1%	39.8%

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COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
Regulatory Accounts								
Affiliate Transfer Fee Account (ATFA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Disconnect Memorandum Account (DMA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FERC Settlement Proceeds Memorandum Account (FSPMA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
GRCRRMA Sub allocation for AB32 Admin Fees	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.4%
Firm Access & Storage Rights Memorandum Account (FARSMA)	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Core Fixed Cost Account (CFCA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On-Bill Financing Balancing Account (OBFBA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Economic Practicality Shortfall Memorandum Account (EPSMA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
California Solar Initiative Thermal Memorandum Account (CSITPMA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	33.6%
Enhanced Oil Recovery Account (EORA)	0.1%	1.1%	0.1%	0.1%	1.4%	0.1%	0.0%	9.3%
Environmental Fee Balance Account EFBA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.4%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Hazardous Substance Cost-Recovery Account (HSCRA)	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Honor Rancho Storage Memorandum Account (HRSMA)	0.0%	8.1%	0.0%	0.1%	8.2%	0.1%	35.3%	46.3%
Intervenor Award Memorandum Account (IAMA)	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Gain / Loss on Sale Memorandum Account (GLOSMA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
PCB Expense Account (PCBEA)	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Master Meter Balancing Account (MMBA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Montebello True-Up Tracking Account (MTTA)	0.4%	6.5%	0.3%	0.5%	7.7%	0.5%	0.0%	30.0%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.4%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Noncore Fixed Cost Account (NFCA) Margin	1.4%	11.4%	1.4%	1.1%	15.3%	0.8%	0.0%	100.0%
Noncore Fixed Cost Account (NFCA) Nonmargin	1.3%	21.7%	1.1%	1.6%	25.7%	1.6%	0.0%	100.0%
Integrated Transmission Balancing Account (ITBA) Margin	0.9%	0.0%	0.8%	1.1%	2.8%	1.1%	0.0%	53.5%
Integrated Transmission Balancing Account (ITBA) Nonmargin	0.9%	0.0%	0.8%	1.1%	2.8%	1.1%	0.0%	53.5%
Compressor Station Fuel and Power Balancing Account (CFPBA)	0.9%	0.0%	0.8%	1.1%	2.8%	1.1%	0.0%	53.5%
Compression Services Balancing Account (CSBA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Company-Use Fuel for Load Balancing Account (CUFLBA)	0.8%	13.0%	0.7%	1.0%	15.4%	0.9%	0.0%	62.3%
System Reliability Memorandum Account (SRMA)	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Noncore Storage Balancing Account (NSBA)	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Pension Balancing Account (PBA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
PBOP Balancing Account (PBOPBA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	1.1%	0.0%	1.1%	0.9%	3.0%	0.8%	0.0%	43.7%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.3%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	1.1%	0.0%	1.1%	0.9%	3.0%	0.8%	0.0%	43.7%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.3%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	1.1%	0.0%	1.1%	0.9%	3.0%	0.8%	0.0%	43.7%

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COST COMPONENTS \$000's				Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I
Safety Enhancement Expense Balancing Account (SEEBa) - Distribution		Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	Y	Y	(\$1)	(\$1)	(\$0)	(\$0)	(\$0)	(\$0)	(\$1)	(\$0)
Research Royalty Memorandum Account (RRMA)	Y	Y	(\$1)	(\$1)	(\$0)	(\$0)	(\$0)	(\$0)	(\$1)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)		Y	\$8,000	\$2,105	\$885	\$1	\$18	\$136	\$3,144	\$1,319
Natural Gas Appliance Testing Memo Account (NGATMA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	Y	Y	(\$266)	(\$218)	(\$35)	(\$0)	(\$1)	(\$2)	(\$255)	(\$7)
Total Regulatory Accounts			\$3,839	(\$20,103)	\$941	\$3	\$36	\$353	(\$18,769)	\$9,189

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COST COMPONENTS \$000's	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West		Total Whole sale	DGN
							Gas	Vernon		
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	(\$0)	(\$0)	\$0	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)
Research Royalty Memorandum Account (RRMA)	(\$0)	(\$0)	\$0	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	\$84	\$2,231	\$0	\$3,634	\$63	\$1,079	\$56	\$82	\$1,281	\$79
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	(\$1)	(\$5)	\$0	(\$13)	(\$0)	(\$2)	(\$0)	(\$0)	(\$2)	(\$0)
Total Regulatory Accounts	\$321	\$9,097	\$1	\$18,608	\$269	\$2,890	\$232	\$339	\$3,731	\$326

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COST COMPONENTS \$000's	TBS	Total Non Core	Total System \$000			Source
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Research Development and Demonstration Expense Account (RDDEA)	\$0	(\$0)	(\$1)	(\$0)	(\$1)	Reg. Acct Filing 10/2014
Research Royalty Memorandum Account (RRMA)	\$0	(\$0)	(\$1)	(\$0)	(\$1)	Reg. Acct Filing 10/2014
Self-Generation Program Memorandum Account (SGPMA)	\$0	\$4,993	\$8,137	\$137	\$8,000	Reg. Acct Filing 10/2014
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2014
Rewards & Penalties Balancing Account (RPBA)	\$0	(\$16)	(\$271)	(\$5)	(\$266)	Reg. Acct Filing 10/2014
Total Regulatory Accounts	\$0	\$22,665	\$3,896	\$56	\$3,839	

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COST COMPONENTS \$000's	Allocation
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	HPD CYCPM System Total
Research Development and Demonstration Expense Account (RDDEA)	EPAM Excl EOR
Research Royalty Memorandum Account (RRMA)	EPAM Excl EOR
Self-Generation Program Memorandum Account (SGPMA)	ECPT ExEOR
Natural Gas Appliance Testing Memo Account (NGATMA)	EPAM Excl EOR
Rewards & Penalties Balancing Account (RPBA)	EPAM Excl EOR
Total Regulatory Accounts	

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Allocation %

COST COMPONENTS \$000's	Total System	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG <3 mmth /yr	EG >=3 mmth /yr	EOR	Total Retail Non Core
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	100.0%	63.4%	18.6%	0.0%	0.2%	1.5%	83.7%	10.8%	1.0%	2.7%	1.8%	16.3%
Research Development and Demonstration Expense Account (RDDEA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Research Royalty Memorandum Account (RRMA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Self-Generation Program Memorandum Account (SGPMA)	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%	44.6%
Natural Gas Appliance Testing Memo Account (NGATMA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Rewards & Penalties Balancing Account (RPBA)	100.0%	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
Total Regulatory Accounts		-516.0%	24.1%	0.1%	0.9%	9.1%	-481.8%	235.9%	8.2%	233.5%	0.0%	477.7%

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COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.3%
Research Development and Demonstration Expense Account (RDDEA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Research Royalty Memorandum Account (RRMA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Self-Generation Program Memorandum Account (SGPMA)	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Natural Gas Appliance Testing Memo Account (NGATMA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Rewards & Penalties Balancing Account (RPBA)	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%
Total Regulatory Accounts	6.9%	74.2%	6.0%	8.7%	95.8%	8.4%	0.0%	581.8%

SoCalGas Cost Alloc
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COST COMPONENTS \$000's		Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	
Core Interstate Pipeline Demand Charges (IPDC)	Y	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Transport Rev Req before EOR & G-EN CAP adjustments \$000		\$158,050	\$1,574,138	\$247,145	\$73	\$4,152	\$15,535	\$1,841,043	\$63,123
EOR Revenue allocated to Other Classes \$000			(\$9,443)	(\$1,501)	(\$0)	(\$25)	(\$90)	(\$11,059)	(\$320)
EOR Costs allocated to Other Classes \$000			\$4,709	\$748	\$0	\$13	\$45	\$5,515	\$160
Gas Engine Rate CAP adjustment	N	\$1,621	\$1,387	\$220	\$0	(\$1,621)	\$13	(\$0)	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr			\$1,570,791	\$246,613	\$73	\$2,518	\$15,504	\$1,835,498	\$62,962
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr			2,435,160	1,023,186	772	20,699	157,095	3,636,911	1,525,339
Average Rate w/oFAR \$/th			\$0.64505	\$0.24102	\$0.09473	\$0.12163	\$0.09869	\$0.50469	\$0.04128
FFU Rate			101.76%	101.76%	101.76%	101.76%	101.76%		101.76%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr			2,435,160	1,023,186	772	20,699	157,095	3,636,911	1,525,339
Sempra Wide & TLS Adjustments::									
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr			\$1,570,791	\$246,613	\$73	\$2,518	\$15,504	\$1,835,498	\$62,962
SW NGV Adjustment							(\$1,121)	(\$1,121)	
SW EG Adjustment								\$0	
TLS Adjustment									
Amount allocated to TLS Class \$000								\$0	(\$12,091)
TLS revenue paid by class @ average TLS rate \$000								\$0	\$10,952
			\$0	\$0	\$0	\$0	\$0	\$0	(\$1,139)
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr			\$1,570,791	\$246,613	\$73	\$2,518	\$14,383	\$1,834,378	\$61,823
Rate Tables difference			\$1,570,791	\$246,613	\$73	\$2,518	\$14,383	\$1,834,378	\$61,823
			\$0	\$0	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr			2,435,160	1,023,186	772	20,699	157,095	3,636,911	1,525,339
Average Rate w/oBTS \$/th			\$0.64505	\$0.24102	\$0.09473	\$0.12163	\$0.09155	\$0.50438	\$0.04053
Rate Tables difference			\$0.64505	\$0.24102	\$0.09473	\$0.12163	\$0.09155	\$0.50438	\$0.04053
			\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000			\$51,189	\$20,446	\$15	\$394	\$2,993	\$75,038	\$29,147
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr			\$1,621,980	\$267,059	\$88	\$2,912	\$17,376	\$1,909,416	\$90,970
Average Rate w/ BTS \$/th			\$0.66607	\$0.26101	\$0.11379	\$0.14069	\$0.11061	\$0.52501	\$0.05964

SoCalGas Cost Alloc
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COST COMPONENTS \$000's	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$8,585	\$46,633	\$5,859	\$124,199	\$1,913	\$17,479	\$1,804	\$1,706	\$22,902	\$1,397
EOR Revenue allocated to Other Classes \$000	(\$52)	(\$207)		(\$579)	(\$10)	(\$79)	(\$9)	(\$8)	(\$106)	(\$6)
EOR Costs allocated to Other Classes \$000	\$26	\$103	(\$5,859)	(\$5,570)	\$5	\$39	\$5	\$4	\$53	\$3
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$8,559	\$46,529	\$0	\$118,050	\$1,908	\$17,440	\$1,799	\$1,702	\$22,849	\$1,394
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	97,212	2,580,583		4,203,134	73,520	1,251,556	65,367	95,137	1,485,580	91,378
Average Rate w/oFAR \$/th	\$0.08804	\$0.01803	\$0.00000	\$0.02809	\$0.02595	\$0.01393	\$0.02752	\$0.01789	\$0.01538	\$0.01525
FFU Rate	101.76%	101.76%	100.00%		101.48%	101.48%	101.48%	101.48%		101.48%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	97,212	2,580,583	231,570	4,434,704	73,520	1,251,556	65,367	95,137	1,485,580	91,378
Sempra Wide & TLS Adjustments::										
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr		\$55,088		\$118,050	\$1,908	\$17,440	\$1,799	\$1,702	\$22,849	\$1,394
SW NGV Adjustment				\$0					\$0	
SW EG Adjustment		(\$4,775)		(\$4,775)					\$0	
TLS Adjustment										
Amount allocated to TLS Class \$000		(\$42,623)		(\$54,715)	(\$1,908)		(\$1,799)	(\$1,702)	(\$5,409)	(\$1,394)
TLS revenue paid by class @ average TLS rate \$000		\$35,789		\$46,741	\$1,006		\$895	\$1,302	\$3,203	\$1,251
		(\$6,835)		(\$7,974)	(\$902)	\$0	(\$904)	(\$400)	(\$2,206)	(\$143)
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr		\$43,478		\$105,301	\$1,006	\$17,440	\$895	\$1,302	\$20,643	\$1,251
Rate Tables difference		\$43,478		\$105,301	\$1,006	\$17,440	\$895	\$1,302	\$20,643	\$1,251
		\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr										
Average Rate w/oBTS \$/th		2,677,795		4,203,134	73,520	1,251,556	65,367	95,137	1,485,580	91,378
Rate Tables difference		\$0.01624		\$0.02505	\$0.01369	\$0.01393	\$0.01369	\$0.01369	\$0.01369	\$0.01369
		\$0.00000		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000										
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$1,852	\$49,172	\$4,412	\$84,584	\$1,526	\$24,337	\$1,253	\$1,813	\$28,929	\$1,741
Average Rate w/ BTS \$/th	\$0.01905	\$0.03590		\$0.04518	\$0.03445	\$0.03338	\$0.03285	\$0.03274	\$0.03337	\$0.03274

SoCalGas Cost Alloc
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COST COMPONENTS \$000's	TBS	Total Non Core	Total System \$000	Source
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$17,020	\$165,517	\$2,006,560	\$0
EOR Revenue allocated to Other Classes \$000	\$0	(\$690)	(\$11,749)	EOR
EOR Costs allocated to Other Classes \$000	\$0	(\$5,515)	\$0	EOR
Gas Engine Rate CAP adjustment	\$0	\$0	(\$0)	G-EN
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$17,020	\$159,312	\$1,994,811	
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	0	5,780,093	9,417,004	Alloc Factors
Average Rate w/oFAR \$/th	\$0.00000	\$0.02756	\$0.21183	
FFU Rate	101.76%			Misc Input
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	0	6,011,663	9,648,574	
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$17,020	\$159,312	\$1,994,811	
SW NGV Adjustment		\$0	(\$1,121)	
SW EG Adjustment		(\$4,775)	(\$4,775)	
TLS Adjustment				
Amount allocated to TLS Class \$000		(\$61,517)	(\$61,517)	
TLS revenue paid by class @ average TLS rate \$000		\$51,194	\$51,194	
	\$0	(\$10,323)	(\$10,323)	
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$17,020	\$144,215	\$1,978,592	
Rate Tables difference	\$17,020	\$144,215	\$1,978,592	
	\$0	\$0	\$0	
AYTP Mth/yr		5,780,093	9,417,004	
Average Rate w/oBTS \$/th		\$0.02495	\$0.21011	
Rate Tables difference			\$0.21011	
			\$0.00000	
BTS w/FFU Charge \$000	\$0	\$115,254	\$190,292	SI & FAR
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$17,020	\$259,469	\$2,168,884	
Average Rate w/ BTS \$/th		\$0.04489	\$0.23032	

SoCalGas Cost Alloc
2016 TCAP Phase II Rates

COST COMPONENTS \$000's	Allocation
Core Interstate Pipeline Demand Charges (IPDC)	Core ECPT
Transport Rev Req before EOR & G-EN CAP adjustments \$000	
EOR Revenue allocated to Other Classes \$000	
EOR Costs allocated to Other Classes \$000	
Gas Engine Rate CAP adjustment	Core EPAM excl G-EN
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	
Average Rate w/oFAR \$/th	
FFU Rate	
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	
Sempra Wide & TLS Adjustments::	
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	
SW NGV Adjustment	
SW EG Adjustment	
TLS Adjustment	
Amount allocated to TLS Class \$000	
TLS revenue paid by class @ average TLS rate \$000	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	
<i>Rate Tables</i>	
<i>difference</i>	
AYTP Mth/yr	
Average Rate w/oBTS \$/th	
<i>Rate Tables</i>	
<i>difference</i>	
BTS w/FFU Charge \$000	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	
Average Rate w/ BTS \$/th	

**SoCalGas Cost Alloc
2016 TCAP Phase II Rates**

Allocation %

COST COMPONENTS \$000's	Total System	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG <3 mmth /yr	EG >=3 mmth /yr	EOR	Total Retail Non Core
Core Interstate Pipeline Demand Charges (IPDC)	100.0%	67.0%	28.1%	0.0%	0.6%	4.3%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transport Rev Req before EOR & G-EN CAP adjustments \$000												
EOR Revenue allocated to Other Classes \$000												
EOR Costs allocated to Other Classes \$000												
Gas Engine Rate CAP adjustment	0.0%	85.6%	13.6%	0.0%	-100.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr												
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr												
Average Rate w/oFAR \$/th												
FFU Rate												
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr												
Sempra Wide & TLS Adjustments::												
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr												
SW NGV Adjustment												
SW EG Adjustment												
TLS Adjustment												
Amount allocated to TLS Class \$000												
TLS revenue paid by class @ average TLS rate \$000												
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr												
<i>Rate Tables difference</i>												
AYTP Mth/yr												
Average Rate w/oBTS \$/th												
<i>Rate Tables difference</i>												
BTS w/FFU Charge \$000												
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr												
Average Rate w/ BTS \$/th												

SoCalGas Cost Alloc
2016 TCAP Phase II Rates

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
Core Interstate Pipeline Demand Charges (IPDC)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transport Rev Req before EOR & G-EN CAP adjustments \$000								
EOR Revenue allocated to Other Classes \$000								
EOR Costs allocated to Other Classes \$000								
Gas Engine Rate CAP adjustment	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr								
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr								
Average Rate w/oFAR \$/th								
FFU Rate								
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr								
Sempra Wide & TLS Adjustments::								
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr								
SW NGV Adjustment								
SW EG Adjustment								
TLS Adjustment								
Amount allocated to TLS Class \$000								
TLS revenue paid by class @ average TLS rate \$000								
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr								
<i>Rate Tables difference</i>								
AYTP Mth/yr								
Average Rate w/oBTS \$/th								
<i>Rate Tables difference</i>								
BTS w/FFU Charge \$000								
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr								
Average Rate w/ BTS \$/th								

SCG Allocation Factors
2016 TCAP Phase II Rates

Toggle **2** (1=Old, 2=New)

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
INPUT:										
<i>TCAP Period = 2014-2016</i>										
<i>Peak Month = Usage during month of December during a Cold Year</i>										
<i>Peak Day = peak day use under 1:35 year condition for core; under 1:10 year condition for noncore</i>										
DIRECT (%s Load or Cust/Mtrs Sum to 100%)										
Transmission										
Average Year Throughput (MTh)	121	7,372	0	851	40,433	48,777	660,238	20,005	2,372,694	93,950
Cold Year Throughput (1-in-35) (MTh)	134	7,731	0	851	40,433	49,148	660,388	20,005	2,372,694	93,950
Cold Year Peak Month (December) (MTh)	20	854	0	59	3,341	4,274	56,427	1,567	209,418	7,979
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	42	0	2	108	153	1,826	81	8,381	257
Number of Customers	23	70	0	19	15	127	38	15	41	12
High Pressure										
Average Year Throughput (MTh)	11,469	60,825	384	3,397	67,562	143,636	571,574	21,258	170,790	136,497
Cold Year Throughput (1-in-35) (MTh)	12,652	63,788	384	3,397	67,562	147,783	572,981	21,258	170,790	136,497
Cold Year Peak Month (December) (MTh)	1,896	7,047	19	236	5,583	14,780	44,354	1,661	13,909	11,593
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	114	347	1	8	180	650	1,487	65	450	374
Number of Customers	7,148	2,582	3	160	59	9,952	225	37	22	15
Medium Pressure										
Average Year Throughput (MTh)	2,423,570	954,989	388	16,451	49,101	3,444,499	293,527	55,949	37,099	1,124
Cold Year Throughput (1-in-35) (MTh)	2,673,681	1,001,512	388	16,451	49,101	3,741,133	296,299	55,949	37,099	1,124
Cold Year Peak Month (December) (MTh)	400,588	110,646	19	1,142	4,058	516,452	24,069	4,488	2,968	95
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	24,156	5,449	1	37	131	29,774	888	145	96	3
Number of Customers	5,610,637	204,666	6	566	285	5,816,160	358	164	6	2
CUMULATIVE (Calc'd from DIRECT %s)										
Transmission										
Average Year Throughput (MTh)	243,516	102,319	77	2,070	15,710	363,691	152,534	9,721	258,058	23,157
Cold Year Throughput (1-in-35) (MTh)	2,435,160	1,023,186	772	20,699	157,095	3,636,911	1,525,339	97,212	2,580,583	231,570
Cold Year Peak Month (December) (MTh)	2,686,467	1,073,031	772	20,699	157,095	3,938,064	1,529,668	97,212	2,580,583	231,570
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	402,503	118,547	37	1,437	12,982	535,507	124,850	7,715	226,295	19,668
Number of Customers	24,272	5,839	1	46	419	30,577	4,201	291	8,927	634
Number of Customers	5,617,809	207,317	9	745	359	5,826,239	622	216	68	29
High Pressure										
Average Year Throughput (MTh)	2,435,038	1,015,814	772	19,848	116,663	3,588,135	865,102	77,207	207,889	137,620
Cold Year Throughput (1-in-35) (MTh)	2,686,333	1,065,299	772	19,848	116,663	3,888,915	869,280	77,207	207,889	137,620
Cold Year Peak Month (December) (MTh)	402,483	117,693	37	1,378	9,641	531,232	68,423	6,149	16,877	11,688
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	24,271	5,797	1	44	311	30,424	2,375	210	546	377
Number of Customers	5,617,785	207,248	9	726	344	5,826,112	584	201	28	17
Medium Pressure										
Average Year Throughput (MTh)	2,423,570	954,989	388	16,451	49,101	3,444,499	293,527	55,949	37,099	1,124
Cold Year Throughput (1-in-35) (MTh)	2,673,681	1,001,512	388	16,451	49,101	3,741,133	296,299	55,949	37,099	1,124
Cold Year Peak Month (December) (MTh)	400,588	110,646	19	1,142	4,058	516,452	24,069	4,488	2,968	95
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	24,156	5,449	1	37	131	29,774	888	145	96	3
Number of Customers	5,610,637	204,666	6	566	285	5,816,160	358	164	6	2
AYSales Mth/y										
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,465,327	\$232,872	\$64	\$3,936	\$13,969	\$1,716,167	\$49,715	\$8,016	\$32,111	\$5,442

SCG Allocation Factors
2016 TCAP Phase II Rates

	Total Retail NonCore	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total NonCore	Total System	Source
INPUT:											
TCAP Period = 2014-2016											
Peak Month = Usage during month of December during a Cold Year											
Peak Day = peak day use under 1:35 year condition for core; under 1:10 year condition for noncore											
DIRECT (%s Load or Cust/Mtrs Sum to 100%)											
Transmission											
Average Year Throughput (MTh)	3,146,887	73,520	1,251,556	65,367	95,137	1,485,580	91,378	0	4,723,845	4,772,622	TCAP D.14-006-007
Cold Year Throughput (1-in-35) (MTh)	3,147,037	80,110	1,293,181	65,748	95,137	1,534,176	91,378	0	4,772,591	4,821,740	TCAP D.14-006-007
Cold Year Peak Month (December) (MTh)	275,391	10,024	141,015	10,598	8,180	169,818	7,682	0	452,891	457,165	TCAP D.14-006-007
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	10,546	530	6,308	516	264	7,618	248	0	18,412	18,565	TCAP D.14-006-007
Number of Customers	106	1	1	1	1	4	1	0	111	238	TCAP D.14-006-007
High Pressure											
Average Year Throughput (MTh)	900,119	0	0	0	0	0	0	0	900,119	1,043,755	TCAP D.14-006-007
Cold Year Throughput (1-in-35) (MTh)	901,525	0	0	0	0	0	0	0	901,525	1,049,308	TCAP D.14-006-007
Cold Year Peak Month (December) (MTh)	71,517	0	0	0	0	0	0	0	71,517	86,298	TCAP D.14-006-007
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,377	0	0	0	0	0	0	0	2,377	3,026	TCAP D.14-006-007
Number of Customers	299	0	0	0	0	0	0	0	299	10,251	TCAP D.14-006-007
Medium Pressure											
Average Year Throughput (MTh)	387,699	0	0	0	0	0	0	0	387,699	3,832,198	TCAP D.14-006-007
Cold Year Throughput (1-in-35) (MTh)	390,471	0	0	0	0	0	0	0	390,471	4,131,603	TCAP D.14-006-007
Cold Year Peak Month (December) (MTh)	31,620	0	0	0	0	0	0	0	31,620	548,072	TCAP D.14-006-007
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1,131	0	0	0	0	0	0	0	1,131	30,906	TCAP D.14-006-007
Number of Customers	530	0	0	0	0	0	0	0	530	5,816,690	TCAP D.14-006-007
CUMULATIVE (Calc'd from DIRECT %s)											
Transmission											
Average Year Throughput (MTh)	443,470	7,352	125,156	6,537	9,514	148,558	9,138	0	601,166	964,857	
Average Year Throughput (MTh)	4,434,704	73,520	1,251,556	65,367	95,137	1,485,580	91,378	0	6,011,663	9,648,574	
Cold Year Throughput (1-in-35) (MTh)	4,439,033	80,110	1,293,181	65,748	95,137	1,534,176	91,378	0	6,064,587	10,002,651	
Cold Year Peak Month (December) (MTh)	378,528	10,024	141,015	10,598	8,180	169,818	7,682	0	556,028	1,091,535	
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	14,054	530	6,308	516	264	7,618	248	0	21,920	52,497	
Number of Customers	935	1	1	1	1	4	1	0	940	5,827,179	
High Pressure											
Average Year Throughput (MTh)	1,287,818	0	0	0	0	0	0	0	1,287,818	4,875,953	
Cold Year Throughput (1-in-35) (MTh)	1,291,996	0	0	0	0	0	0	0	1,291,996	5,180,911	
Cold Year Peak Month (December) (MTh)	103,137	0	0	0	0	0	0	0	103,137	634,370	
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	3,508	0	0	0	0	0	0	0	3,508	33,932	
Number of Customers	830	0	0	0	0	0	0	0	830	5,826,941	
Medium Pressure											
Average Year Throughput (MTh)	387,699	0	0	0	0	0	0	0	387,699	3,832,198	
Cold Year Throughput (1-in-35) (MTh)	390,471	0	0	0	0	0	0	0	390,471	4,131,603	
Cold Year Peak Month (December) (MTh)	31,620	0	0	0	0	0	0	0	31,620	548,072	
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1,131	0	0	0	0	0	0	0	1,131	30,906	
Number of Customers	530	0	0	0	0	0	0	0	530	5,816,690	
AYSales Mth/y											
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$95,284	\$1,506	\$12,253	\$1,449	\$1,189	\$16,398	\$900	\$17,020	\$129,602	\$1,845,769	Cost Alloc

SCG Allocation Factors
2016 TCAP Phase II Rates

Toggle **2** (1=Old, 2=New)

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
Calculation of Allocation Factors:										
Cumulative Transmission # Customers	5,617,809	207,317	9	745	359	5,826,239	622	216	68	29
Cumulative Transmission AYTP Mth/yr	2,435,160	1,023,186	772	20,699	157,095	3,636,911	1,525,339	97,212	2,580,583	231,570
AYTP TP System	25.2%	10.6%	0.0%	0.2%	1.6%	37.7%	15.8%	1.0%	26.7%	2.4%
AYTP System Excl. EOR	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	
AYTP System Excl. SDG&E+EOR	29.8%	12.5%	0.0%	0.3%	1.9%	44.5%	18.7%	1.2%	31.6%	
AYTP Core + Retail Noncore Only	30.2%	12.7%	0.0%	0.3%	1.9%	45.1%	18.9%	1.2%	32.0%	2.9%
AYTP Core Only	67.0%	28.1%	0.0%	0.6%	4.3%	100.0%				
AYTP Core Only Excl. A/C + Gas Eng	67.4%	28.3%			4.3%	100.0%				
AYTP Core Only Excl. Residential		97.9%	0.1%	2.0%	15.0%	115.0%				
AYTP Noncore Only						-	25.4%	1.6%	42.9%	3.9%
AYTP Noncore Only Excl. EOR						-	26.4%	1.7%	44.6%	
AYTP Noncore Retail Excl. EOR+WS+Int'l						-	36.3%	2.3%	61.4%	
Cumulative Transmission CYTP Mth/yr	2,686,467	1,073,031	772	20,699	157,095	3,938,064	1,529,668	97,212	2,580,583	231,570
CYTP System	26.9%	10.7%	0.0%	0.2%	1.6%	39.4%	15.3%	1.0%	25.8%	2.3%
CYTP System Excl. EOR	27.5%	11.0%	0.0%	0.2%	1.6%	40.3%	15.7%	1.0%	26.4%	
CYTP System Excl. SDG&E	30.8%	12.3%	0.0%	0.2%	1.8%	45.2%	17.6%	1.1%	29.6%	2.7%
CYTP Excl. EOR & SDG&E	31.7%	12.7%	0.0%	0.2%	1.9%	46.5%	18.0%	1.1%	30.4%	
CYTP Core +Retail Noncore Only	32.1%	12.8%	0.0%	0.2%	1.9%	47.0%	18.3%	1.2%	30.8%	2.8%
CYTP Core Only	68.2%	27.2%	0.0%	0.5%	4.0%	100.0%				
CYTP Noncore Only						-	25.2%	1.6%	42.6%	3.8%
CYTP Noncore ExEOR						-	26.2%	1.7%	44.2%	
CYTP Noncore Retail Excl. WS+Int'l						-	34.5%	2.2%	58.1%	5.2%
Cumulative Transmission CYCPM Mth/mo	402,503	118,547	37	1,437	12,982	535,507	124,850	7,715	226,295	19,668
CYCPM System Total	36.9%	10.9%	0.0%	0.1%	1.2%	49.1%	11.4%	0.7%	20.7%	1.8%
CYCPM System Excl. EOR	37.6%	11.1%	0.0%	0.1%	1.2%	50.0%	11.6%	0.7%	21.1%	
CYCPM System Excl. Wholesale	42.3%	12.5%	0.0%	0.2%	1.4%	56.3%	13.1%	0.8%	23.8%	2.1%
CYCPM Core +Retail Noncore Only	44.0%	13.0%	0.0%	0.2%	1.4%	58.6%	13.7%	0.8%	24.8%	2.2%
CYCPM Core Only	75.2%	22.1%	0.0%	0.3%	2.4%	100.0%				
CYCPM Noncore Only						-	22.5%	1.4%	40.7%	3.5%
CYCPM Noncore Only Excl. SDG&E						-	30.1%	1.9%	54.5%	4.7%
CYCPM Noncore Retail Excl. WS+Int'l						-	33.0%	2.0%	59.8%	5.2%
Cumulative High Pressure Distribution CYPM Mth/mo	402,483	117,693	37	1,378	9,641	531,232	68,423	6,149	16,877	11,688
HPD CYCPM System Total	63.4%	18.6%	0.0%	0.2%	1.5%	83.7%	10.8%	1.0%	2.7%	1.8%
HPD CYCPM System Excl. EOR	64.6%	18.9%	0.0%	0.2%	1.5%	85.3%	11.0%	1.0%	2.7%	

SCG Allocation Factors
2016 TCAP Phase II Rates

	Total Retail NonCore	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total NonCore	Total System	Source
Calculation of Allocation Factors:											
Cumulative Transmission # Customers	935	1	1	1	1	4	1	0	940	5,827,179	
Cumulative Transmission AYTP Mth/yr	4,434,704	73,520	1,251,556	65,367	95,137	1,485,580	91,378	0	6,011,663	9,648,574	
AYTP TP System	46.0%	0.8%	13.0%	0.7%	1.0%	15.4%	0.9%		62.3%	100.0%	
AYTP System Excl. EOR	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%		61.4%	100.0%	9,417,004
AYTP System Excl. SDG&E+EOR	51.5%	0.9%		0.8%	1.2%	2.9%	1.1%		55.5%	100.0%	8,165,448
AYTP Core + Retail Noncore Only	54.9%					0.0%			54.9%	100.0%	8,071,616
AYTP Core Only	-					-			0.0%	100.0%	3,636,911
AYTP Core Only Excl. A/C + Gas Eng	-					-			0.0%	100.0%	3,615,441
AYTP Core Only Excl. Residential	-					-			0.0%	115.0%	1,044,656
AYTP Noncore Only	73.8%	1.2%	20.8%	1.1%	1.6%	24.7%	1.5%		100.0%	100.0%	6,011,663
AYTP Noncore Only Excl. EOR	72.7%	1.3%	21.7%	1.1%	1.6%	25.7%	1.6%		100.0%	100.0%	5,780,093
AYTP Noncore Retail Excl. EOR+WS+Int'l	100.0%					0.0%			100.0%	100.0%	4,203,134
Cumulative Transmission CYTP Mth/yr	4,439,033	80,110	1,293,181	65,748	95,137	1,534,176	91,378	0	6,064,587	10,002,651	
CYTP System	44.4%	0.8%	12.9%	0.7%	1.0%	15.3%	0.9%		60.6%	100.0%	
CYTP System Excl. EOR	43.1%	0.8%	13.2%	0.7%	1.0%	15.7%	0.9%		59.7%	100.0%	9,771,081
CYTP System Excl. SDG&E	51.0%	0.9%	n/a	0.8%	1.1%	2.8%	1.0%		54.8%	100.0%	8,709,470
CYTP Excl. EOR & SDG&E	49.6%	0.9%		0.8%	1.1%	2.8%	1.1%		53.5%	100.0%	8,477,900
CYTP Core +Retail Noncore Only	53.0%					0.0%			53.0%	100.0%	8,377,097
CYTP Core Only	-					-			0.0%	100.0%	3,938,064
CYTP Noncore Only	73.2%	1.3%	21.3%	1.1%	1.6%	25.3%	1.5%		100.0%	100.0%	6,064,587
CYTP Noncore ExEOR	72.1%	1.4%	22.2%	1.1%	1.6%	26.3%	1.6%		100.0%	100.0%	5,833,017
CYTP Noncore Retail Excl. WS+Int'l	100.0%					0.0%			100.0%	100.0%	4,439,033
Cumulative Transmission CYCPM Mth/mo	378,528	10,024	141,015	10,598	8,180	169,818	7,682	0	556,028	1,091,535	
CYCPM System Total	34.7%	0.9%	12.9%	1.0%	0.7%	15.6%	0.7%		50.9%	100.0%	
CYCPM System Excl. EOR	33.5%	0.9%	13.2%	1.0%	0.8%	15.8%	0.7%		50.0%	100.0%	1,071,868
CYCPM System Excl. Wholesale	39.8%	1.1%	n/a	1.1%	0.9%	3.0%	0.8%		43.7%	100.0%	950,520
CYCPM Core +Retail Noncore Only	41.4%					0.0%			41.4%	100.0%	914,035
CYCPM Core Only	-					-			0.0%	100.0%	535,507
CYCPM Noncore Only	68.1%	1.8%	25.4%	1.9%	1.5%	30.5%	1.4%		100.0%	100.0%	556,028
CYCPM Noncore Only Excl. SDG&E	91.2%	2.4%		2.6%	2.0%	6.9%	1.9%		100.0%	100.0%	415,013
CYCPM Noncore Retail Excl. WS+Int'l	100.0%					0.0%			100.0%	100.0%	378,528
Cumulative High Pressure Distribution CYPM Mth/mo	103,137	0	0	0	0	0	0	0	103,137	634,370	
HPD CYCPM System Total	16.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		16.3%	100.0%	
HPD CYCPM System Excl. EOR	14.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		14.7%	100.0%	622,681

SCG Allocation Factors
2016 TCAP Phase II Rates

Toggle **2** (1=Old, 2=New)

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
Cumulative Transmission Peak Day Mth/day	24,272	5,839	1	46	419	30,577	4,201	291	8,927	634
PDD System Total	46.2%	11.1%	0.0%	0.1%	0.8%	58.2%	8.0%	0.6%	17.0%	1.2%
PDD System Excl. EOR	46.8%	11.3%	0.0%	0.1%	0.8%	59.0%	8.1%	0.6%	17.2%	
PDD System Excl. Wholesale	52.5%	12.6%	0.0%	0.1%	0.9%	66.2%	9.1%	0.6%	19.3%	1.4%
PDD Core +Retail Noncore Only	54.4%	13.1%	0.0%	0.1%	0.9%	68.5%	9.4%	0.7%	20.0%	1.4%
PDD Core Only	79.4%	19.1%	0.0%	0.2%	1.4%	100.0%				
PDD Noncore Only						-	19.2%	1.3%	40.7%	2.9%
PDD Noncore Retail Excl. WS+Int'l						-	29.9%	2.1%	63.5%	4.5%

Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,465,327	\$232,872	\$64	\$3,936	\$13,969	\$1,716,167	\$49,715	\$8,016	\$32,111	\$5,442
EPAM All	79.4%	12.6%	0.0%	0.2%	0.8%	93.0%	2.7%	0.4%	1.7%	0.3%
EPAM All Excl. Unbundled Storage	80.1%	12.7%	0.0%	0.2%	0.8%	93.8%	2.7%	0.4%	1.8%	0.3%
EPAM All Excl. Unbundled Storage + SDG&E	80.7%	12.8%	0.0%	0.2%	0.8%	94.5%	2.7%	0.4%	1.8%	0.3%
EPAM All Excl. Unbundled Storage + EOR	80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	
EPAM All Excl. Unbundled Storage + EOR + Gas Eng	80.5%	12.8%	0.0%		0.8%	94.1%	2.7%	0.4%	1.8%	
Core EPAM Only	85.4%	13.6%	0.0%	0.2%	0.8%	100.0%	0.0%	0.0%	0.0%	0.0%
Core EPAM excl G-EN	85.6%	13.6%	0.0%	-100%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Noncore EPAM, Excl. Unbundled Storage + EOR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	46.4%	7.5%	30.0%	

Calculation of LUAF Allocator:

Method #2 - 71% core @ ECPT / 29% noncore @ ECPT (incl EOR)

Core ECPT	67.0%	28.1%	0.0%	0.6%	4.3%	100.0%	0.0%	0.0%	0.0%	0.0%
NonCore ECPT Include EOR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	25.4%	1.6%	42.9%	3.9%
% Core	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%
% Noncore	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%
% LUAF Allocation	47.6%	20.0%	0.0%	0.4%	3.1%	71.1%	7.3%	0.5%	12.4%	1.1%

AYTP CAT Customers:

CAT Volumes TCAP Mth/yr	49,671	137,753	0	1,793	32,903	222,121				
System AYTP (includes NGV) Mth/yr	2,435,160	1,023,186	772	20,699	157,095	3,636,911				
CAT Volumes as % total, by class	2.0%	13.5%	0.0%	8.7%	20.9%	6.1%				
2013TCAP AYTP Mth/yr	2,435,160	1,023,186	772	20,699	157,095	3,636,911				
2013TCAP CAT Volumes Mth/yr	49,671	137,753	0	1,793	32,903	222,121	0	0	0	0
ECPT CAT	22.4%	62.0%	0.0%	0.8%	14.8%	100.0%	0.0%	0.0%	0.0%	0.0%

SCG Allocation Factors
2016 TCAP Phase II Rates

	Total Retail NonCore	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total NonCore	Total System	Source
Cumulative Transmission Peak Day Mth/day	14,054	530	6,308	516	264	7,618	248	0	21,920	52,497	
PDD System Total	26.8%	1.0%	12.0%	1.0%	0.5%	14.5%	0.5%		41.8%	100.0%	
PDD System Excl. EOR	25.9%	1.0%	12.2%	1.0%	0.5%	14.7%	0.5%		41.0%	100.0%	51,862
PDD System Excl. Wholesale	30.4%	1.1%	n/a	1.1%	0.6%	2.8%	0.5%		33.8%	100.0%	46,189
PDD Core +Retail Noncore Only	31.5%					0.0%			31.5%	100.0%	44,631
PDD Core Only	-					-			0.0%	100.0%	30,577
PDD Noncore Only	64.1%	2.4%	28.8%	2.4%	1.2%	34.8%	1.1%		100.0%	100.0%	21,920
PDD Noncore Retail Excl. WS+Int'l	100.0%					0.0%			100.0%	100.0%	14,054

Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$95,284	\$1,506	\$12,253	\$1,449	\$1,189	\$16,398	\$900	\$17,020	\$129,602	\$1,845,769	
EPAM All	5.2%	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.9%	7.0%	100.0%	
EPAM All Excl. Unbundled Storage	5.2%	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%		6.2%	100.0%	\$1,828,749
EPAM All Excl. Unbundled Storage + SDG&E	5.2%	0.1%	n/a	0.1%	0.1%	0.2%	0.0%		5.5%	100.0%	\$1,816,496
EPAM All Excl. Unbundled Storage + EOR	4.9%	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%		5.9%	100.0%	\$1,823,307
EPAM All Excl. Unbundled Storage + EOR + Gas Eng	4.9%	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%		5.9%	100.0%	\$1,819,371
Core EPAM Only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	\$1,716,167
Core EPAM excl G-EN	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	\$1,712,231
Noncore EPAM, Excl. Unbundled Storage + EOR	83.9%	1.4%	11.4%	1.4%	1.1%	15.3%	0.8%		100.0%	100.0%	\$107,140

Calculation of LUAF Allocator:

Method #2 - 71% core @ ECPT / 29% noncore @ ECPT (incl EOR)

Core ECPT	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
NonCore ECPT Include EOR	73.8%	1.2%	20.8%	1.1%	1.6%	24.7%	1.5%	0.0%	100.0%	100.0%
% Core	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%	71.1%
% Noncore	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%
% LUAF Allocation	21.3%	0.4%	6.0%	0.3%	0.5%	7.1%	0.4%	0.0%	28.9%	100.0%

AYTP CAT Customers:

CAT Volumes TCAP Mth/yr	0					0			0	222,121
System AYTP (includes NGV) Mth/yr	0					0			0	3,636,911
CAT Volumes as % total, by class										6.1%
2013TCAP AYTP Mth/yr	0					0			0	3,636,911
2013TCAP CAT Volumes Mth/yr	0	0	0	0	0	0	0	0	0	222,121
ECPT CAT	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

SCG Allocation Factors
2016 TCAP Phase II Rates

Toggle **2** (1=Old, 2=New)

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
California Solar Initiative Thermal Memorandum Account (CSITMA):										
AYTP Mth/yr all customers Mth/y	2,435,160	1,023,186	772	20,699	157,095	3,636,911	1,525,339	97,212	2,580,583	231,570
CARE Participants Mth/y	(631,063)	(3,723)	0	0	0	(634,786)	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EOR Mth/y	0	0	0	0	0	0	0	0	0	(231,570)
EG Exempt Mth/y	0	0	0	0	0	0	0	(97,212)	(2,580,583)	0
Constitutionally Exempt Mth/y	(3,358)	(11,224)	0	0	(22)	(14,604)	(14,874)	0	0	0
Wholesale Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
AYTP Mth/yr excl CARE Participant & EOR Mth/y	1,800,739	1,008,238	772	20,699	157,073	2,987,521	1,510,465	0	0	0
% ECPT excl CARE Participants & EOR	40.0%	22.4%	0.0%	0.5%	3.5%	66.4%	33.6%	0.0%	0.0%	0.0%
CSI Thermal Program memorandum Account (\$000)										
CSITMA Adder to Volumetric Rate										

EORA Allocation Factor:

90.75% Core EPAM & 9.25% NonCore EPAM excl EOR

Core EPAM Only	85.4%	13.6%	0.0%	0.2%	0.8%	100.0%	0.0%	0.0%	0.0%	0.0%
Core share	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%
	77.5%	12.3%	0.0%	0.2%	0.7%	90.8%	0.0%	0.0%	0.0%	0.0%
Noncore EPAM, Excl. Unbundled Storage + EOR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	46.4%	7.5%	30.0%	0.0%
NonCore share	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3%	0.7%	2.8%	0.0%
EORA Allocation Factor	77.5%	12.3%	0.0%	0.2%	0.7%	90.8%	4.3%	0.7%	2.8%	0.0%

Cost Allocation for Montebello True-Up Tracking Account (MTTA)

70%Core/Allocate Core ECPT,30%NonCore/Allocate NonCore ECPT Ex EOR

AYTP Core Only	67.0%	28.1%	0.0%	0.6%	4.3%	100.0%	0.0%	0.0%	0.0%	0.0%
Core share	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%
	46.9%	19.7%	0.0%	0.4%	3.0%	70.0%	0.0%	0.0%	0.0%	0.0%
AYTP Noncore Only Excl. EOR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	26.4%	1.7%	44.6%	0.0%
NonCore share	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.9%	0.5%	13.4%	0.0%
MTTA Allocation Factor	46.9%	19.7%	0.0%	0.4%	3.0%	70.0%	7.9%	0.5%	13.4%	0.0%

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y	2,435,160	1,023,186	772	20,699	157,095	3,636,911	1,525,339	97,212	2,580,583	231,570
Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	0	0	(23,865)	(1,914,853)	(231,570)
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	2,435,160	1,023,186	772	20,699	157,095	3,636,911	1,525,339	73,347	665,730	0
% ECPT AB32 Fee Non-Exempt	41.3%	17.3%	0.0%	0.4%	2.7%	61.6%	25.8%	1.2%	11.3%	0.0%

System Integration Allocator

Transmission CYPM Mth

SoCalGas (excl SDG&E)	950,520	87.2%
SDG&E	139,487	12.8%
Total	1,090,007	100.0%

OLD DIRECT Demand Forecast

SCG Allocation Factors
2016 TCAP Phase II Rates

	Total Retail NonCore	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total NonCore	Total System	Source
California Solar Initiative Thermal Memorandum Account (CSITMA):											
AYTP Mth/yr all customers Mth/y	4,434,704	73,520	1,251,556	65,367	95,137	1,485,580	91,378	0	6,011,663	9,648,574	
CARE Participants Mth/y	0	0	0	0	0	0	0	0	0	(634,786)	
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0	
EOR Mth/y	(231,570)	0	0	0	0	0	0	0	(231,570)	(231,570)	
EG Exempt Mth/y	(2,677,795)	0	0	0	0	0	0	0	(2,677,795)	(2,677,795)	
Constitutionally Exempt Mth/y	(14,874)	0	0	0	0	0	0	0	(14,874)	(29,479)	
Wholesale Exempt Mth/y	0	(73,520)	(1,251,556)	(65,367)	(95,137)	(1,485,580)	(91,378)	0	(1,576,959)	(1,576,959)	
AYTP Mth/yr excl CARE Participant & EOR Mth/y	1,510,465	0	0	0	0	0	0	0	1,510,465	4,497,986	
% ECPT excl CARE Participants & EOR	33.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	33.6%	100.0%	
CSI Thermal Program memorandum Account (\$000)										\$9,961	Cost Alloc
CSITMA Adder to Volumetric Rate										\$0.00221	

EORA Allocation Factor:

90.75% Core EPAM & 9.25% NonCore EPAM excl EOR

Core EPAM Only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
Core share	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%	90.75%	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	90.8%	
Noncore EPAM, Excl. Unbundled Storage + EOR	83.9%	1.4%	11.4%	1.4%	1.1%	15.3%	0.8%	0.0%	100.0%	100.0%	
NonCore share	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%	9.25%	
	7.8%	0.1%	1.1%	0.1%	0.1%	1.4%	0.1%	0.0%	9.3%	9.3%	
EORA Allocation Factor	7.8%	0.1%	1.1%	0.1%	0.1%	1.4%	0.1%	0.0%	9.3%	100.0%	

Cost Allocation for Montebello True-Up Tracking Account (MTTA)

70%Core/Allocate Core ECPT,30%NonCore/Allocate NonCore ECPT Ex EOF

AYTP Core Only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
Core share	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	70.0%	
AYTP Noncore Only Excl. EOR	72.7%	1.3%	21.7%	1.1%	1.6%	25.7%	1.6%	0.0%	100.0%	100.0%	
NonCore share	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	
	21.8%	0.4%	6.5%	0.3%	0.5%	7.7%	0.5%	0.0%	30.0%	30.0%	
MTTA Allocation Factor	21.8%	0.4%	6.5%	0.3%	0.5%	7.7%	0.5%	0.0%	30.0%	100.0%	

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y	4,434,704	73,520	1,251,556	65,367	95,137	1,485,580	91,378	0	6,011,663	9,648,574	
Less: AB32Fees Exempt Customers Mth/y	(2,170,288)	(73,520)	(1,251,556)	(65,367)	(95,137)	(1,485,580)	(91,378)	0	(3,747,247)	(3,747,247)	
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	2,264,416	0	0	0	0	0	0	0	2,264,416	5,901,328	
% ECPT AB32 Fee Non-Exempt	38.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.4%	100.0%	

System Integration Allocator

Transmission CYPM Mth

SoCalGas (excl SDG&E)

SDG&E

Total

OLD DIRECT Demand Forecast

SCG Allocation Factors
2016 TCAP Phase II Rates

Toggle **2** (1=Old, 2=New)

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
Transmission										
Average Year Throughput (MTh)	101	8,627	0	896	36,049	45,672	654,456	26,497	2,430,173	94,691
Cold Year Throughput (1-in-35) (MTh)	110	9,041	0	896	36,049	46,096	654,649	26,497	2,430,173	94,691
Cold Year Peak Month (December) (MTh)	17	1,032	0	39	2,978	4,065	55,841	1,240	176,385	8,043
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	52	0	1	96	150	1,809	70	6,641	259
Number of Customers	23	74	0	17	7	121	34	16	36	15
High Pressure										
Average Year Throughput (MTh)	8,804	42,103	289	3,699	45,778	100,673	584,340	16,944	446,708	109,076
Cold Year Throughput (1-in-35) (MTh)	9,639	44,125	289	3,699	45,778	103,529	585,704	16,944	446,708	109,076
Cold Year Peak Month (December) (MTh)	1,461	5,036	17	160	3,781	10,454	45,106	956	35,935	9,264
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	88	254	1	5	122	469	1,513	52	1,310	299
Number of Customers	6,969	2,352	3	162	21	9,508	233	35	29	21
Medium Pressure										
Average Year Throughput (MTh)	2,328,630	933,372	536	12,179	35,393	3,310,110	308,824	25,906	28,821	153
Cold Year Throughput (1-in-35) (MTh)	2,549,407	978,194	536	12,179	35,393	3,575,709	311,418	25,906	28,821	153
Cold Year Peak Month (December) (MTh)	386,353	111,631	31	527	2,923	501,466	24,946	2,142	2,375	13
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	23,355	5,620	1	17	94	29,087	915	69	80	0
Number of Customers	5,453,080	205,384	9	514	283	5,659,270	370	112	7	2

NEW DIRECT Demand Forecast

Transmission										
Average Year Throughput (MTh)	121	7,372	0	851	40,433	48,777	660,238	20,005	2,372,694	93,950
Cold Year Throughput (1-in-35) (MTh)	134	7,731	0	851	40,433	49,148	660,388	20,005	2,372,694	93,950
Cold Year Peak Month (December) (MTh)	20	854	0	59	3,341	4,274	56,427	1,567	209,418	7,979
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	42	0	2	108	153	1,826	81	8,381	257
Number of Customers	23	70	0	19	15	127	38	15	41	12
High Pressure										
Average Year Throughput (MTh)	11,469	60,825	384	3,397	67,562	143,636	571,574	21,258	170,790	136,497
Cold Year Throughput (1-in-35) (MTh)	12,652	63,788	384	3,397	67,562	147,783	572,981	21,258	170,790	136,497
Cold Year Peak Month (December) (MTh)	1,896	7,047	19	236	5,583	14,780	44,354	1,661	13,909	11,593
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	114	347	1	8	180	650	1,487	65	450	374
Number of Customers	7,148	2,582	3	160	59	9,952	225	37	22	15
Medium Pressure										
Average Year Throughput (MTh)	2,423,570	954,989	388	16,451	49,101	3,444,499	293,527	55,949	37,099	1,124
Cold Year Throughput (1-in-35) (MTh)	2,673,681	1,001,512	388	16,451	49,101	3,741,133	296,299	55,949	37,099	1,124
Cold Year Peak Month (December) (MTh)	400,588	110,646	19	1,142	4,058	516,452	24,069	4,488	2,968	95
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	24,156	5,449	1	37	131	29,774	888	145	96	3
Number of Customers	5,610,637	204,666	6	566	285	5,816,160	358	164	6	2

Old Demand Forecast

AYTP CAT Customers:

CAT Volumes for 2013 TCAP Mth/yr 8,732 84,283 0 89 492 93,595

New Demand Forecast

AYTP CAT Customers:

CAT Volumes for 2017 TCAP Mth/yr 49,671 137,753 0 1,793 32,903 222,121

SCG Allocation Factors
2016 TCAP Phase II Rates

	Total Retail NonCore	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total NonCore	Total System	Source
Transmission											
Average Year Throughput (MTh)	3,205,817	92,897	1,247,558	67,209	87,906	1,495,569	69,979	0	4,771,365	4,817,037	TCAP D.14-006-007
Cold Year Throughput (1-in-35) (MTh)	3,206,010	97,850	1,290,385	72,569	87,906	1,548,709	69,979	0	4,824,698	4,870,794	TCAP D.14-006-007
Cold Year Peak Month (December) (MTh)	241,508	11,606	139,669	11,240	8,519	171,034	5,427	0	417,970	422,034	TCAP D.14-006-007
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	8,780	559	6,089	594	264	7,507	175	0	16,462	16,612	TCAP D.14-006-007
Number of Customers	101	1	1	1	1	4	1	0	106	227	TCAP D.14-006-007
High Pressure											
Average Year Throughput (MTh)	1,157,068	0	0	0	0	0	0	0	1,157,068	1,257,741	TCAP D.14-006-007
Cold Year Throughput (1-in-35) (MTh)	1,158,433	0	0	0	0	0	0	0	1,158,433	1,261,962	TCAP D.14-006-007
Cold Year Peak Month (December) (MTh)	91,261	0	0	0	0	0	0	0	91,261	101,715	TCAP D.14-006-007
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	3,173	0	0	0	0	0	0	0	3,173	3,643	TCAP D.14-006-007
Number of Customers	318	0	0	0	0	0	0	0	318	9,826	TCAP D.14-006-007
Medium Pressure											
Average Year Throughput (MTh)	363,704	0	0	0	0	0	0	0	363,704	3,673,814	TCAP D.14-006-007
Cold Year Throughput (1-in-35) (MTh)	366,298	0	0	0	0	0	0	0	366,298	3,942,007	TCAP D.14-006-007
Cold Year Peak Month (December) (MTh)	29,476	0	0	0	0	0	0	0	29,476	530,942	TCAP D.14-006-007
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1,064	0	0	0	0	0	0	0	1,064	30,151	TCAP D.14-006-007
Number of Customers	491	0	0	0	0	0	0	0	491	5,659,761	TCAP D.14-006-007

NEW DIRECT Demand Forecast

Transmission											
Average Year Throughput (MTh)	3,146,887	73,520	1,251,556	65,367	95,137	1,485,580	91,378		4,723,845	4,772,622	Demand FC
Cold Year Throughput (1-in-35) (MTh)	3,147,037	80,110	1,293,181	65,748	95,137	1,534,176	91,378		4,772,591	4,821,740	Demand FC
Cold Year Peak Month (December) (MTh)	275,391	10,024	141,015	10,598	8,180	169,818	7,682		452,891	457,165	Demand FC
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	10,546	530	6,308	516	264	7,618	248		18,412	18,565	Demand FC
Number of Customers	106	1	1	1	1	4	1		111	238	Demand FC
High Pressure											
Average Year Throughput (MTh)	900,119	0	0	0	0	0	0		900,119	1,043,755	Demand FC
Cold Year Throughput (1-in-35) (MTh)	901,525	0	0	0	0	0	0		901,525	1,049,308	Demand FC
Cold Year Peak Month (December) (MTh)	71,517	0	0	0	0	0	0		71,517	86,298	Demand FC
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,377	0	0	0	0	0	0		2,377	3,026	Demand FC
Number of Customers	299	0	0	0	0	0	0		299	10,251	Demand FC
Medium Pressure											
Average Year Throughput (MTh)	387,699	0	0	0	0	0	0		387,699	3,832,198	Demand FC
Cold Year Throughput (1-in-35) (MTh)	390,471	0	0	0	0	0	0		390,471	4,131,603	Demand FC
Cold Year Peak Month (December) (MTh)	31,620	0	0	0	0	0	0		31,620	548,072	Demand FC
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1,131	0	0	0	0	0	0		1,131	30,906	Demand FC
Number of Customers	530	0	0	0	0	0	0		530	5,816,690	Demand FC

Old Demand Forecast

AYTP CAT Customers:

CAT Volumes for 2013 TCAP Mth/yr	0					0			0	93,595	2008 SCG RD Model
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New Demand Forecast

AYTP CAT Customers:

CAT Volumes for 2017 TCAP Mth/yr											Demand FC
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SCG Allocation Factors
2016 TCAP Phase II Rates

Toggle **2** (1=Old, 2=New)

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
California Solar Initiative Thermal Memorandum Account (CSITMA):										
Old demand										
Exempt Customers										
CARE Participants Mth/y	(662,758)	0	0	0	0	(662,758)	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EOR Mth/y	0	0	0	0	0	0	0	0	0	(231,570)
EG Exempt Mth/y	0	0	0	0	0	0	0	(97,212)	(2,580,583)	0
Constitutionally Exempt Mth/y	(2,861)	(3,722)	0	0	(45)	(6,628)	(25,242)	0	0	0
Wholesale Exempt Mth/y	0	0	0	0	0	0	0	0	0	0

New Demand based on 01/01/2015 PPPS

Exempt Customers										
CARE Participants Mth/y	(631,063)	(3,723)	0	0	0	(634,786)	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EOR Mth/y	0	0	0	0	0	0	0	0	0	(231,570)
EG Exempt Mth/y	0	0	0	0	0	0	0	(97,212)	(2,580,583)	0
Constitutionally Exempt Mth/y	(3,358)	(11,224)	0	0	(22)	(14,604)	(14,874)	0	0	0
Wholesale Exempt Mth/y	0	0	0	0	0	0	0	0	0	0

Calculation of LUAF Allocator:

% Core	
Old TCAP	
% Core	71.0%
New TCAP	
% Core	71.1%

SCG Allocation Factors
2016 TCAP Phase II Rates

	Total Retail NonCore	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total NonCore	Total System	Source
California Solar Iniative Thermal Memorandum Account (CSITMA):											
Old demand											
Exempt Customers											
CARE Participants Mth/y	0	0	0	0	0	0	0	0	0	(662,758)	
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0	
EOR Mth/y	(231,570)	0	0	0	0	0	0	0	(231,570)	(231,570)	
EG Exempt Mth/y	(2,677,795)	0	0	0	0	0	0	0	(2,677,795)	(2,677,795)	
Constitutionally Exempt Mth/y	(25,242)	0	0	0	0	0	0	0	(25,242)	(31,870)	
Wholesale Exempt Mth/y	0	(73,520)	(1,251,556)	(65,367)	(95,137)	(1,485,580)	(91,378)	0	(1,576,959)	(1,576,959)	
New Demand based on 01/01/2015 PPPS											
Exempt Customers											
CARE Participants Mth/y	0	0	0	0	0	0	0	0	0	(634,786)	
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0	
EOR Mth/y	(231,570)	0	0	0	0	0	0	0	(231,570)	(231,570)	
EG Exempt Mth/y	(2,677,795)	0	0	0	0	0	0	0	(2,677,795)	(2,677,795)	
Constitutionally Exempt Mth/y	(14,874)	0	0	0	0	0	0	0	(14,874)	(29,479)	
Wholesale Exempt Mth/y	0	(73,520)	(1,251,556)	(65,367)	(95,137)	(1,485,580)	(91,378)	0	(1,576,959)	(1,576,959)	

Calculation of LUAF Allocator:

% Core
 Old TCAP
 % Core

 New TCAP
 % Core

**AB32 Admin Fees
2016 TCAP Phase II Rates**

Summary of Rate Adder Components

	System Total	Rate Adder Contribution
AB32 Fees (subtracted from base margin and allocated here)	\$5,280	\$0.00089
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0.00000
Environmental Fee Memorandum Account EFMA	\$0	\$0.00000
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	(\$1,101)	(\$0.00019)
Total	\$4,178	
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	5,901,328	
Rate Adder \$/th	\$0.00071	\$0.00071

AB 32 Admin Fee Components from Cost Alloc

	Res	Core C&I	NR A/C
AB32 Fees (subtracted from base margin and allocated here)	\$2,179	\$915	\$1
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	(\$454)	(\$191)	(\$0)
Total	\$1,724	\$724	\$1
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	2,435,160	1,023,186	772
Rate Adder	\$0.00071	\$0.00071	\$0.00071

AB 32 Admin Fee Components from NCCI Detail Alloc

	NCCI-D	NCCI-T	Total Allocated to NCCI
AB32 Fees (subtracted from base margin and allocated here)	\$774	\$591	\$1,365
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	(\$161)	(\$123)	(\$285)
Total	\$613	\$467	\$1,080
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	865,102	660,238	1,525,339
Rate Adder	\$0.00071	\$0.00071	\$0.00071

AB 32 Admin Fee Components from EG Detail Alloc

	EG-D-T1	EG-D-T2	EG-T
AB32 Fees (subtracted from base margin and allocated here)	\$59	(\$58)	\$660
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	(\$12)	\$12	(\$138)
Total	\$47	(\$46)	\$522
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	66,167	(64,329)	737,239
Rate Adder	\$0.00071	\$0.00071	\$0.00071

Relative Contribution
126%
0%
0%
-26%
100%

Gas Eng	NGV	Total Core	Non Core			EOR	Total Retail		
			C&I	EG Tier 1	EG Tier 2		Non Core	Long Beach	SDG&E
\$19	\$141	\$3,254	\$1,365	\$66	\$596	\$0	\$2,026	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$4)	(\$29)	(\$679)	(\$285)	(\$14)	(\$124)	\$0	(\$423)	\$0	\$0
\$15	\$111	\$2,575	\$1,080	\$52	\$471	\$0	\$1,603	\$0	\$0
20,699	157,095	3,636,911	1,525,339	73,347	665,730	0	2,264,416	0	0
\$0.00071	\$0.00071	\$0.00071	\$0.00071	\$0.00071	\$0.00071	\$0.00000	\$0.00071	\$0.00000	\$0.00000

Source

- NCCI Detail Alloc
- NCCI Detail Alloc
- NCCI Detail Alloc
- NCCI Detail Alloc
- NCCI Detail Alloc

Total EG	Source
\$661	EG Detail Alloc
\$0	EG Detail Alloc
\$0	EG Detail Alloc
(\$138)	EG Detail Alloc
\$523	
739,077	EG Detail Alloc
\$0.00071	

Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core	Total System \$000	F&U Amount \$000	Total Allocated \$000	Source
\$0	\$0	\$0	\$0	\$0	\$2,026	\$5,280	\$92	\$5,188	Cost Alloc
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Alloc
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Alloc
\$0	\$0	\$0	\$0	\$0	(\$423)	(\$1,101)	(\$19)	(\$1,082)	Cost Alloc
\$0	\$0	\$0	\$0	\$0	\$1,603	\$4,178	\$72	\$4,106	
0	0	0	0	0	2,264,416	5,901,328			Alloc Factors
\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00071	\$0.00071			

SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Transition Adjustment Toggle 0

Procedure:

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

	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
#1) Input from Cost Allocation Tab										
Customer Cost w/o SA \$000	\$964,133	\$113,183	\$41	\$2,908	\$6,135	\$1,086,399	\$14,397	\$4,193	\$6,759	\$1,848
Medium Pressure Distribution Costs	\$360,700	\$81,370	\$9	\$550	\$1,954	\$444,583	\$13,258	\$2,162	\$1,430	\$46
High Pressure Distribution Costs	\$57,696	\$16,871	\$5	\$198	\$1,382	\$76,152	\$9,808	\$881	\$2,419	\$1,676
Backbone Transmission Costs	\$39,789	\$15,893	\$11	\$307	\$2,327	\$58,326	\$22,656	\$1,440	\$38,221	\$3,430
Local Transmission Costs	\$24,613	\$7,249	\$2	\$88	\$794	\$32,747	\$7,635	\$472	\$13,838	\$1,203
Storage - Seasonal	\$46,830	\$10,526	\$4	\$120	\$769	\$58,250	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$7,025	\$2,952	\$2	\$60	\$453	\$10,492	\$4,400	\$280	\$7,444	\$668
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-DSM Related Marketing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$4,296	\$710	\$0	\$12	\$40	\$5,058	\$207	\$27	\$201	\$0
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$2,440	\$2,440	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$1,505,081	\$248,754	\$75	\$4,242	\$16,294	\$1,774,447	\$72,360	\$9,455	\$70,312	\$8,870
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	75.2%	12.4%	0.0%	0.2%	0.8%	88.6%	3.6%	0.5%	3.5%	0.4%
							\$72,240.308	\$6,857.971	\$74,462.990	\$10,279.671

#2) Transition Adjustments by Year

2013 Transition Adjustment	\$0	\$1,098	(\$8)	(\$290)	(\$800)	\$0	\$1,644	(\$2,993)	\$837	\$0
2014 Transition Adjustment	\$0	\$549	(\$4)	(\$145)	(\$400)	\$0	\$1,249	(\$2,276)	\$638	\$0
2015 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$735	(\$1,336)	\$371	\$0
2016 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2017 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2018 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amount of Adjustment to re-include in Proposal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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

Customer Cost w/o SA \$000	\$964,133	\$113,183	\$41	\$2,908	\$6,135	\$1,086,399	\$14,397	\$4,193	\$6,759	\$1,848
Medium Pressure Distribution Costs	\$360,700	\$81,370	\$9	\$550	\$1,954	\$444,583	\$13,258	\$2,162	\$1,430	\$46
High Pressure Distribution Costs	\$57,696	\$16,871	\$5	\$198	\$1,382	\$76,152	\$9,808	\$881	\$2,419	\$1,676
Backbone Transmission Costs	\$39,789	\$15,893	\$11	\$307	\$2,327	\$58,326	\$22,656	\$1,440	\$38,221	\$3,430
Local Transmission Costs	\$24,613	\$7,249	\$2	\$88	\$794	\$32,747	\$7,635	\$472	\$13,838	\$1,203
Storage - Seasonal	\$46,830	\$10,526	\$4	\$120	\$769	\$58,250	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$7,025	\$2,952	\$2	\$60	\$453	\$10,492	\$4,400	\$280	\$7,444	\$668
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-DSM Related Marketing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$4,296	\$710	\$0	\$12	\$40	\$5,058	\$207	\$27	\$201	\$0
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$2,440	\$2,440	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$1,505,081	\$248,754	\$75	\$4,242	\$16,294	\$1,774,447	\$72,360	\$9,455	\$70,312	\$8,870

SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Procedure:

- #1) Input from Cost Allocation Tab
 #2) Transition Adjustments by Year
 #3) Transition Adjustments Added to Customer Cost - output to Cos

	Total Retail NonCore	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	UBS	Total NonCore	Total System
#1) Input from Cost Allocation Tab										
Customer Cost w/o SA \$000	\$27,197	\$680	\$1,161	\$612	\$414	\$2,867	\$166	\$0	\$30,231	\$1,116,630
Medium Pressure Distribution Costs	\$16,895	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,895	\$461,478
High Pressure Distribution Costs	\$14,785	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,785	\$90,937
Backbone Transmission Costs	\$65,746	\$1,186	\$19,153	\$974	\$1,409	\$22,722	\$1,353	\$0	\$89,822	\$148,148
Local Transmission Costs	\$23,147	\$613	\$8,623	\$648	\$500	\$10,384	\$470	\$0	\$34,002	\$66,748
Storage - Seasonal	\$0	\$0	\$7,481	\$0	\$0	\$7,481	\$0	\$0	\$7,481	\$65,731
Storage - Load Balancing	\$12,793	\$212	\$3,610	\$189	\$274	\$4,286	\$264	\$0	\$17,342	\$27,834
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,020	\$17,020	\$17,020
Non-DSM Related Marketing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$434	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$434	\$5,492
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,440
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$160,998	\$2,692	\$40,029	\$2,422	\$2,598	\$47,741	\$2,253	\$17,020	\$228,012	\$2,002,458
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	8.0%	0.1%	2.0%	0.1%	0.1%	2.4%	0.1%	0.8%	11.4%	100.0%
	\$163,840.940	\$3,067.718	\$38,426.794	\$3,491.150	\$2,836.137	\$47,821.799	\$1,684.360	\$17,020.001	\$230,367.099	

#2) Transition Adjustments by Year

2013 Transition Adjustment	(\$513)	\$116	\$0	\$103	\$150	\$369	\$144	\$0	(\$0)	(\$0)
2014 Transition Adjustment	(\$389)	\$88	\$0	\$78	\$114	\$280	\$109	\$0	(\$0)	(\$0)
2015 Transition Adjustment	(\$229)	\$52	\$0	\$46	\$67	\$165	\$64	\$0	(\$0)	(\$0)
2016 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2017 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2018 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amount of Adjustment to re-include in Proposal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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

Customer Cost w/o SA \$000	\$27,197	\$680	\$1,161	\$612	\$414	\$2,867	\$166	\$0	\$30,231	\$1,116,630
Medium Pressure Distribution Costs	\$16,895	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,895	\$461,478
High Pressure Distribution Costs	\$14,785	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,785	\$90,937
Backbone Transmission Costs	\$65,746	\$1,186	\$19,153	\$974	\$1,409	\$22,722	\$1,353	\$0	\$89,822	\$148,148
Local Transmission Costs	\$23,147	\$613	\$8,623	\$648	\$500	\$10,384	\$470	\$0	\$34,002	\$66,748
Storage - Seasonal	\$0	\$0	\$7,481	\$0	\$0	\$7,481	\$0	\$0	\$7,481	\$65,731
Storage - Load Balancing	\$12,793	\$212	\$3,610	\$189	\$274	\$4,286	\$264	\$0	\$17,342	\$27,834
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,020	\$17,020	\$17,020
Non-DSM Related Marketing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$434	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$434	\$5,492
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,440
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$160,998	\$2,692	\$40,029	\$2,422	\$2,598	\$47,741	\$2,253	\$17,020	\$228,012	\$2,002,458

SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Procedure:

- #1) Input from Cost Allocation Tab
 #2) Transition Adjustments by Year
 #3) Transition Adjustments Added to Customer Cost - output to Cos

	NCCI-Total	NCCI-D	NCCI-T	EOR-Total	EOR-D	EOR-T	Total EG	EG Tier 1	EG Tier 1 Dist	EG Tier 1 Trans	EG Tier 2
#1) Input from Cost Allocation Tab											
Customer Cost w/o SA \$000	\$14,397	\$13,521	\$876	\$1,848	\$1,083	\$765	\$10,952	\$4,193	\$3,901	\$292	\$6,759
Medium Pressure Distribution Costs	\$13,258	\$13,258	\$0	\$46	\$46	\$0	\$3,591	\$2,162	\$2,162	\$0	\$1,430
High Pressure Distribution Costs	\$9,808	\$9,808	\$0	\$1,676	\$1,676	\$0	\$3,301	\$881	\$881	\$0	\$2,419
Backbone Transmission Costs	\$22,656	\$12,875	\$9,781	\$3,430	\$2,038	\$1,391	\$39,660	\$1,440	\$1,144	\$296	\$38,221
Local Transmission Costs	\$7,635	\$4,184	\$3,451	\$1,203	\$715	\$488	\$14,310	\$472	\$376	\$96	\$13,838
Storage - Seasonal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$4,400	\$2,496	\$1,905	\$668	\$397	\$271	\$7,725	\$280	\$223	\$58	\$7,444
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-DSM Related Marketing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$207	\$161	\$46	\$0	\$0	\$0	\$228	\$27	\$25	\$2	\$201
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$72,360	\$56,302	\$16,058	\$8,870	\$5,955	\$2,915	\$79,767	\$9,455	\$8,711	\$744	\$70,312
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	3.6%	2.8%	0.8%	0.4%	0.3%	0.1%	4.0%	0.5%	0.4%	0.0%	3.5%
#2) Transition Adjustments by Year											
2013 Transition Adjustment	\$1,644	\$604	\$1,040	\$0	\$0	\$0	(\$2,156)	(\$2,993)	(\$3,025)	\$32	\$837
2014 Transition Adjustment	\$1,249	\$459	\$790	\$0	\$0	\$0	(\$1,638)	(\$2,276)	(\$2,300)	\$24	\$638
2015 Transition Adjustment	\$735	\$270	\$465	\$0	\$0	\$0	(\$964)	(\$1,336)	(\$1,350)	\$14	\$371
2016 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2017 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2018 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amount of Adjustment to re-include in Proposal	\$0	\$0	\$0	\$0	\$0	\$0	##	\$0	\$0	\$0	\$0
#3) Transition Adjustments Added to Customer Cost - output to Cos											
Customer Cost w/o SA \$000	\$14,397	\$13,521	\$876	\$1,848	\$1,083	\$765	\$10,952	\$4,193	\$3,901	\$292	\$6,759
Medium Pressure Distribution Costs	\$13,258	\$13,258	\$0	\$46	\$46	\$0	\$3,591	\$2,162	\$2,162	\$0	\$1,430
High Pressure Distribution Costs	\$9,808	\$9,808	\$0	\$1,676	\$1,676	\$0	\$3,301	\$881	\$881	\$0	\$2,419
Backbone Transmission Costs	\$22,656	\$12,875	\$9,781	\$3,430	\$2,038	\$1,391	\$39,660	\$1,440	\$1,144	\$296	\$38,221
Local Transmission Costs	\$7,635	\$4,184	\$3,451	\$1,203	\$715	\$488	\$14,310	\$472	\$376	\$96	\$13,838
Storage - Seasonal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$4,400	\$2,496	\$1,905	\$668	\$397	\$271	\$7,725	\$280	\$223	\$58	\$7,444
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-DSM Related Marketing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$207	\$161	\$46	\$0	\$0	\$0	\$228	\$27	\$25	\$2	\$201
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$72,360	\$56,302	\$16,058	\$8,870	\$5,955	\$2,915	\$79,767	\$9,455	\$8,711	\$744	\$70,312

SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Procedure:

- #1) Input from Cost Allocation Tab
 #2) Transition Adjustments by Year
 #3) Transition Adjustments Added to Customer Cost - output to Cos

	EG Tier 2 Dist	EG Tier 2 Trans	Total EG	SOURCE
#1) Input from Cost Allocation Tab				
Customer Cost w/o SA \$000	\$2,721	\$4,038	\$10,952	Cost Allocation Tab
Medium Pressure Distribution Costs	\$1,430	\$0	\$3,591	Cost Allocation Tab
High Pressure Distribution Costs	\$2,419	\$0	\$3,301	Cost Allocation Tab
Backbone Transmission Costs	\$3,079	\$35,142	\$39,660	Cost Allocation Tab
Local Transmission Costs	\$1,032	\$12,806	\$14,310	Cost Allocation Tab
Storage - Seasonal	\$0	\$0	\$0	Cost Allocation Tab
Storage - Load Balancing	\$53	\$7,392	\$7,725	Cost Allocation Tab
Storage - TBS	\$0	\$0	\$0	Cost Allocation Tab
Non-DSM Related Marketing	\$0	\$0	\$0	Cost Allocation Tab
Uncollectibles	\$31	\$170	\$228	Cost Allocation Tab
NGV Compression Costs:	\$0	\$0	\$0	Cost Allocation Tab
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$10,765	\$59,548	\$79,767	

Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	0.5%	3.0%	4.0%	
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				NCCI-D	NCCI-T	EG-T Tier 1	EG-T Tier 2	LB	SW	Vernon	DGN	Total
#2) Transition Adjustments by Year			AYTP Mth	865,102	660,238	20,005	2,372,694	73,520	65,367	95,137	91,378	4,243,441
			% AYTP	20%	16%	0%	56%	2%	2%	2%	2%	100%
			% AYTP excl NCCI-D		20%	1%	70%	2%	2%	3%	3%	100%
			Move half of NCCI	10%	18%	1%	63%	2%	2%	3%	2%	100%
2013 Transition Adjustment	(\$2,900)	\$3,737	(\$2,156)	\$604	\$1,040	\$32	\$3,737	\$116	\$103	\$150	\$144	\$5,925
2014 Transition Adjustment	(\$2,200)	\$2,838	(\$1,638)	\$459	\$790	\$24	\$2,838	\$88	\$78	\$114	\$109	\$4,500
2015 Transition Adjustment	(\$1,300)	\$1,671	(\$964)	\$270	\$465	\$14	\$1,671	\$52	\$46	\$67	\$64	\$2,650
2016 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2017 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2018 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019 Transition Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Amount of Adjustment to re-include in Proposal \$0 \$0 \$0

#3) Transition Adjustments Added to Customer Cost - output to Cos

Customer Cost w/o SA \$000	\$2,721	\$4,038	\$10,952
Medium Pressure Distribution Costs	\$1,430	\$0	\$3,591
High Pressure Distribution Costs	\$2,419	\$0	\$3,301
Backbone Transmission Costs	\$3,079	\$35,142	\$39,660
Local Transmission Costs	\$1,032	\$12,806	\$14,310
Storage - Seasonal	\$0	\$0	\$0
Storage - Load Balancing	\$53	\$7,392	\$7,725
Storage - TBS	\$0	\$0	\$0
Non-DSM Related Marketing	\$0	\$0	\$0
Uncollectibles	\$31	\$170	\$228
NGV Compression Costs:	\$0	\$0	\$0

Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$10,765	\$59,548	\$79,767
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SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Procedure:

-
- #1) *Input from Cost Allocation Tab*
 - #2) *Transition Adjustments by Year*
 - #3) *Transition Adjustments Added to Customer Cost - output to Cos*
-

#1) Input from Cost Allocation Tab

- Customer Cost w/o SA \$000
- Medium Pressure Distribution Costs
- High Pressure Distribution Costs
- Backbone Transmission Costs
- Local Transmission Costs
- Storage - Seasonal
- Storage - Load Balancing
- Storage - TBS
- Non-DSM Related Marketing
- Uncollectibles
- NGV Compression Costs:

Total Margin Allocation w/o SI or Fuel Use, W/ FF&U

Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total

#2) Transition Adjustments by Year

3,378,340

2013 Transition Adjustment	\$0
2014 Transition Adjustment	\$0
2015 Transition Adjustment	\$0
2016 Transition Adjustment	\$0
2017 Transition Adjustment	\$0
2018 Transition Adjustment	\$0
2019 Transition Adjustment	\$0

Amount of Adjustment to re-include in Proposal

#3) Transition Adjustments Added to Customer Cost - output to Cos

- Customer Cost w/o SA \$000
- Medium Pressure Distribution Costs
- High Pressure Distribution Costs
- Backbone Transmission Costs
- Local Transmission Costs
- Storage - Seasonal
- Storage - Load Balancing
- Storage - TBS
- Non-DSM Related Marketing
- Uncollectibles
- NGV Compression Costs:

Total Margin Allocation w/o SI or Fuel Use, W/ FF&U

SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Transition Adjustment Toggle 0

Procedure:

#1) *Input from Cost Allocation Tab*

#2) *Transition Adjustments by Year*

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

	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	75.2%	12.4%	0.0%	0.2%	0.8%	88.6%	3.6%	0.5%	3.5%	0.4%

SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Procedure:

- #1) *Input from Cost Allocation Tab*
- #2) *Transition Adjustments by Year*
- #3) *Transition Adjustments Added to Customer Cost - output to Cos*

	Total Retail NonCore	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	UBS	Total NonCore	Total System
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	8.0%	0.1%	2.0%	0.1%	0.1%	2.4%	0.1%	0.8%	11.4%	100.0%

SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Procedure:

#1) *Input from Cost Allocation Tab*
#2) *Transition Adjustments by Year*
#3) *Transition Adjustments Added to Customer Cost - output to Cos*

	NCCI-Total	NCCI-D	NCCI-T	EOR-Total	EOR-D	EOR-T	Total EG	EG Tier 1	EG Tier 1 Dist	EG Tier 1 Trans	EG Tier 2
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	3.6%	2.8%	0.8%	0.4%	0.3%	0.1%	4.0%	0.5%	0.4%	0.0%	3.5%

SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Procedure:

- #1) *Input from Cost Allocation Tab*
- #2) *Transition Adjustments by Year*
- #3) *Transition Adjustments Added to Customer Cost - output to Cos*

	EG Tier 2 Dist	EG Tier 2 Trans	Total EG	SOURCE
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	0.5%	3.0%	4.0%	

SoCalGas Cost Allocation Model Results \$millions
2016 TCAP Phase II Rates

Procedure:

-
- #1) *Input from Cost Allocation Tab*
 - #2) *Transition Adjustments by Year*
 - #3) *Transition Adjustments Added to Customer Cost - output to Cos*
-

Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total

SoCalGas - EOR Credit Calculation
2016 TCAP Phase II Rates

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOB	Total Retail Non Core	
EOB Revenue & Costs to be used:												
EPAM All Excl. Unbundled Storage + EOB		80.4%	12.8%	0.0%	0.2%	0.8%	94.1%	2.7%	0.4%	1.8%	0.0%	4.9%
EOB Revenue allocated to Other Classes \$000	(\$11,749)	(\$9,443)	(\$1,501)	(\$0)	(\$25)	(\$90)	(\$11,059)	(\$320)	(\$52)	(\$207)		(\$579)
EOB Costs allocated to Other Classes \$000	\$5,859	\$4,709	\$748	\$0	\$13	\$45	\$5,515	\$160	\$26	\$103	(\$5,859)	(\$5,570)

Calculation of EOB Revenue:	EOB \$000	Source
EOB Revenue:		
EOB-D Revenue		
Customer Charge \$/mo	\$500.00	
# EOB-D Customers	17	Alloc Factors
EOB-D Customer Charge Revenue \$000	\$102	
EOB-D Rate (i.e. average EG-D rate) \$/th	\$0.07603	EG-D Rates / RUN (this is done to avoid circ ref)
EOB-D Vols mth/yr	137,620	Alloc Factors
	\$10,463	
Less EOB-D Customer Charge Revenue \$000	\$102	
EOB-D Volumetric Revenue \$000	\$10,361	
EOB-D Volumetric Rate \$/th	\$0.07529	
Total EOB-D Revenue \$000	\$10,463	
EOB-T Revenue (based on TLS rate)	\$1,286	Trans Rate/RUN (this is done to avoid circ ref)
Total EOB Revenue \$000	\$11,749	

Calculation of Shareholder's Portion of EOB Revenue:		
EOB Revenue \$000	\$11,749	
less EOB's allocated CoUse Transmission \$000	\$0	Cost Alloc
less EOB's allocated CoUse Other \$000	(\$25)	Cost Alloc
less EOB's allocated CoUse Storage Load Balancing \$000	(\$25)	Cost Alloc
less EOB's allocated UAF \$000	(\$366)	Cost Alloc
	\$11,333	
Shareholder's %	0%	
Shareholder's Portion of EOB Revenue \$000	\$0	

Calculation of Ratepayer's portion of EOB Revenue:		
EOB Revenue \$000	\$11,749	
less Shareholder's Portion of EOB Revenue \$000	\$0	
EOB revenue Allocated to Other Classes \$000	\$11,749	
less EOB Costs Allocated to Other Classes \$000	\$5,859	Cost Alloc
Net Ratepayer's share of EOB Revenue (i.e. EOB Credit) \$000	\$5,891	

SoCalGas - EOR Credit Calculation
2016 TCAP Phase II Rates

	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core	Total System \$000	Source
EOB Revenue & Costs to be used:										
EPAM All Excl. Unbundled Storage + EOR	0.1%	0.7%	0.1%	0.1%	0.9%	0.0%	0.0%	5.9%	100.0%	Alloc Factors
EOB Revenue allocated to Other Classes \$000	(\$10)	(\$79)	(\$9)	(\$8)	(\$106)	(\$6)	\$0	(\$690)	(\$11,749)	
EOB Costs allocated to Other Classes \$000	\$5	\$39	\$5	\$4	\$53	\$3	\$0	(\$5,515)	\$0	

Calculation of EOR Revenue:

EOB Revenue:
EOB-D Revenue
Customer Charge \$/mo
EOB-D Customers
EOB-D Customer Charge Revenue \$000
EOB-D Rate (i.e. average EG-D rate) \$/th
EOB-D Vols mth/yr
Less EOB-D Customer Charge Revenue \$000
EOB-D Volumetric Revenue \$000
EOB-D Volumetric Rate \$/th
Total EOB-D Revenue \$000
EOB-T Revenue (based on TLS rate)
Total EOB Revenue \$000

Calculation of Shareholder's Portion of EOB Revenue:

EOB Revenue \$000
less EOB's allocated CoUse Transmission \$000
less EOB's allocated CoUse Other \$000
less EOB's allocated CoUse Storage Load Balancing \$0
less EOB's allocated UAF \$000
Shareholder's %
Shareholder's Portion of EOB Revenue \$000

Calculation of Ratepayer's portion of EOB Revenue:

EOB Revenue \$000
less Shareholder's Portion of EOB Revenue \$000
EOB revenue Allocated to Other Classes \$000
less EOB Costs Allocated to Other Classes \$000
Net Ratepayer's share of EOB Revenue (i.e. EOB Credit)

2016 TCAP Phase II Rates

#1 Applicable Franchise Fee & Uncollectible Factors	Source	
Uncollectible Rate:		
System Avg Uncollectible rate	0.27800%	2012 GRC
Uncollectible Rate for non-exempt customers:		
Total Margin Allocation pre-SI, pre-BTS Unbndle w/FFU	\$1,747,096	1/1/2013 Rate Model
Wholesale Margin Allocation pre-SI	(\$38,320)	1/1/2013 Rate Model
DGN Margin Allocation pre-SI	(\$1,125)	1/1/2013 Rate Model
	\$1,707,651	
Uncollectible rate adjustment used	97.871%	
Uncollectible Rate for non-exempt customers	0.28405%	
Franchise Fee Rate:		
Franchise Rate	1.45930%	2012 GRC
FF&U rates with Gross-up:		
Wholesale Franchise Factor	101.4809%	
Retail Franchise Fee & Uncollectible Factor FFU	101.7638%	
System Franchise Fee & Uncollectible Factor FFU	101.7700%	

Example FFU Calculation:	W/S	System	Non W/S
Gross Revenue Billed	\$100.000	\$100.000	\$100.000
Uncollectible	0.27800%		\$0.274
Uncollectible non-exempt	0.28405%	\$0.280	
Franchise Rate	1.4593%	\$1.459	\$1.459
Net Revenue		\$98.541	\$98.267
if I want this net revenue	\$98.541	\$98.261	\$98.267
Net to Gross = Gross Revenue/Net revenue =	101.4809%	101.7700%	101.7638%
then I need to bill this amount	\$100.000	\$100.000	\$100.000
if I bill this amount	\$100.00	\$100.00	\$100.00
Gross-to-Net = Net Revenue/Gross Revenue =	98.5407%	98.2608%	98.2668%
then I will get this net revenue	\$98.541	\$98.261	\$98.267
if I bill this amount	\$100.00	\$100.00	\$100.00
1-(Net Revenue/Gross Revenue) =	1.4593%	1.7392%	1.7332%
then I will get this net revenue	\$98.541	\$98.261	\$98.267

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

Gas Cost \$/dth \$4.03 Gas Cost Estimate October, 2014 Reg. Acct AL

#3 BTU Factor

1.03 Mbtu/cf Demand FC
 1,030 Mbtu/mcf
 1 th = 100,000 BTUs
 1,000 Mth = 100,000MBTUs

#4 Calculation of Brokerage Fee:

Brokerage fees cover the costs of the Gas Acquisition department.

These costs are included in SCG's GRC; but not in SDGE's GRC.

Since these costs are recovered through the procurement rate, they are removed from the revenue requirement used to calculate the transmission rates.

Core Broker Fee Rate \$/th	\$0.00162	Demand FC
SCG Mth/yr	3,456,633	
SDGE Mth/yr	480,369	
Core AYTP Mth/yr	3,937,002	
Core Broker Fee \$000	\$6,370	
Brokerage Fee	1,018	
Core Broker Fee w/FFU \$000	\$6,483	
	<u>\$0.00165</u>	

#5 Calculation of UnAccounted For Gas:

UAF Volumes Mth/yr	81,648	Demand FC
System AYTP Mth/yr	9,648,574	
% UAF (as % of end use)	0.846%	
WACOG \$/dth	\$4.03	
UAF \$/yr	\$32,885	

#6 Company Use Gas: Storage Load Balancing

Mth/yr	2,564	workpaper from Capacity Products
WACOG \$/dth	\$4.03	
Company Use Gas: Storage Load Balancing	\$1,033	

#7 Co Use-Other:

	Mth/y	SOURCE
Forecast annual avg (Mth)	2,616	Demand FC
Citygate \$/th	\$0.40277	
Co Use Other \$000	\$1,054	

#8 Well Incident & Surface Leaks (WISL)

	MMBTU	Mth/y	SOURCE
2001	35,404	354	Gas Acquisition Dept
2002	38,415	384	Gas Acquisition Dept
2003	39,453	395	Gas Acquisition Dept
2004	68,202	682	Gas Acquisition Dept
2005	51,019	510	Gas Acquisition Dept
2006	82,291	823	Gas Acquisition Dept
2007	90,572	906	Gas Acquisition Dept
2008	19,015	190	Gas Acquisition Dept
2009	89,922	899	Gas Acquisition Dept
2010	142,015	1,420	Gas Acquisition Dept
2011	116,174	1,162	Gas Acquisition Dept
2012	56,626	566	Gas Acquisition Dept
2013	127,790	1,278	Gas Acquisition Dept
2014	79,934	799	Gas Acquisition Dept
average	74,059	741	
Citygate \$/th		\$0.40277	
WISL \$000		\$298	

#9 Integrated ITBA Regulatory Account:

Calculation of ITBA Allocator:

	CYTP Mth/yr	ITBA Allocator	Source
SDGE	1,277,243	13.1%	SDGE RD Model
SCG	10,002,651		Alloc Factors
Less EOR	(231,570)		Alloc Factors
Less SDGE	(1,293,181)		Alloc Factors
	8,477,900	86.9%	
Total SEU	9,755,144	100.0%	

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amounts.

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	
Calculation of Local-Transmission Costs under System Integration:							
A) Pre-SI Local Transmission Costs from Cost Allocation Models w/FFU							
SCG w/FFU \$000	\$66,748	\$24,613	\$7,249	\$2	\$88	\$794	\$32,747
SDGE w/FFU \$000	\$0	\$0	\$0			\$0	\$0
SEU Local Transmission w/FFU, w/o SI \$000	\$66,748	\$24,613	\$7,249	\$2	\$88	\$794	\$32,747
BB/LT Reconciliation	\$0						
Reconciled SEU Local Transmission w/FFU,	\$66,748						
C) Allocate to SEU classes:							
SCG CYPM Mth/Month		402,503	118,547	37	1,437	12,982	535,507
SCG CYPM exclude SDGE WS Mth/Month		402,503	118,547	37	1,437	12,982	535,507
SDGE CYPM Mth/month		51,533	20,381	0	0	1,606	73,520
SEU CYPM Mth/month		454,036	138,928	37	1,437	14,588	609,027
CYPM Allocation % among SEU Classes		41.7%	12.7%	0.0%	0.1%	1.3%	55.9%
Allocate to SEU Classes w/o FFU \$000	\$66,748	\$27,804	\$8,507	\$2	\$88	\$893	\$37,295
D) Allocate to each utility:							
SCG %		88.7%	85.3%	100.0%	100.0%	89.0%	87.9%
SDGE %		11.3%	14.7%	0.0%	0.0%	11.0%	12.1%
total %		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
POST-SI Local Transmission Costs w/ FFU: (to calculate w/o SI, refer to SEU Pre-SI Local-T w/ FFU)							
SCG w/ FFU \$000	\$58,207	\$24,648	\$7,259	\$2	\$88	\$795	\$32,793
SDGE w/ FFU \$000	\$8,542	\$3,156	\$1,248	\$0	\$0	\$98	\$4,502
total w/ FFU \$000	\$66,748	\$27,804	\$8,507	\$2	\$88	\$893	\$37,295

Calculation of BackBone Transmission Costs under System Integration:

A) Pre-SI BTS Transmission Costs from Cost Allocation Models w/FFU							
SCG w/FFU \$000	\$148,148	\$39,789	\$15,893	\$11	\$307	\$2,327	\$58,326
SDGE w/FFU \$000	\$38,229	\$10,601	\$5,677			\$554	\$16,833
SEU BBT w/FFU w/o SI \$000	\$186,377	\$50,390	\$21,570	\$11	\$307	\$2,880	\$75,159
Target SEU BBT w/ FFU	\$186,377						
BB/LT Reconciliation	\$0						

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amount:

		Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale
Calculation of Local-Transmission Costs under System Integration:											
A) Pre-SI Local Transmission Costs from Cost Allocation Models w/FFU											
SCG w/FFU \$000	\$66,748	\$7,635	\$472	\$13,838	\$1,203	\$23,147	\$613	\$8,623	\$648	\$500	\$10,384
SDGE w/FFU \$000	\$0	\$0	\$0	\$0		\$0					0
SEU Local Transmission w/FFU, w/o SI \$000	\$66,748	\$7,635	\$472	\$13,838	\$1,203	\$23,147	\$613	\$8,623	\$648	\$500	\$10,384
BB/LT Reconciliation	\$0										
Reconciled SEU Local Transmission w/FFU,	\$66,748										
C) Allocate to SEU classes:											
SCG CYPM Mth/Month		124,850	7,715	226,295	19,668	378,528	10,024	141,015	10,598	8,180	169,818
SCG CYPM exclude SDGE WS Mth/Month		124,850	7,715	226,295	19,668	378,528	10,024	0	10,598	8,180	28,803
SDGE CYPM Mth/month		3,970	1,757	60,239		65,967					0
SEU CYPM Mth/month		128,820	9,473	286,535	19,668	444,495	10,024	0	10,598	8,180	28,803
CYPM Allocation % among SEU Classes		11.8%	0.9%	26.3%	1.8%	40.8%	0.9%	0.0%	1.0%	0.8%	2.6%
Allocate to SEU Classes w/o FFU \$000	\$66,748	\$7,889	\$580	\$17,546	\$1,204	\$27,219	\$614	\$0	\$649	\$501	\$1,764
D) Allocate to each utility:											
SCG %		96.9%	81.4%	79.0%	100.0%	85.2%	100.0%		100.0%	100.0%	100.0%
SDGE %		3.1%	18.6%	21.0%	0.0%	14.8%	0.0%		0.0%	0.0%	0.0%
total %		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		100.0%	100.0%	100.0%
POST-SI Local Transmission Costs w/ FFU: (to calculate w/o SI, refer to SEU Pre-SI Lo											
SCG w/ FFU \$000	\$58,207	\$7,645	\$472	\$13,858	\$1,204	\$23,180	\$614	\$0	\$649	\$501	\$1,764
SDGE w/ FFU \$000	\$8,542	\$243	\$108	\$3,689	\$0	\$4,040	\$0	\$0	\$0	\$0	\$0
total w/ FFU \$000	\$66,748	\$7,889	\$580	\$17,546	\$1,204	\$27,219	\$614	\$0	\$649	\$501	\$1,764

Calculation of BackBone Transmission Costs under System Integration:

A) Pre-SI BTS Transmission Costs from Cost Allocation Models w/FFU											
SCG w/FFU \$000	\$148,148	\$22,656	\$1,440	\$38,221	\$3,430	\$65,746	\$1,186	\$19,153	\$974	\$1,409	\$22,722
SDGE w/FFU \$000	\$38,229	\$1,346	\$637	\$19,413		\$21,396					0
SEU BBT w/FFU w/o SI \$000	\$186,377	\$24,002	\$2,077	\$57,634	\$3,430	\$87,142	\$1,186	\$19,153	\$974	\$1,409	\$22,722
Target SEU BBT w/ FFU	\$186,377										
BB/LT Reconciliation	\$0										

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amount:

	DGN	TBS	Total Non Core	Total System \$000	Source	
Calculation of Local-Transmission Costs under System Integration:						
A) Pre-SI Local Transmission Costs from Cost Allocation Models w/FFU						
SCG w/FFU \$000	\$66,748	\$470	\$0	\$34,002	\$66,748	Cost Alloc
SDGE w/FFU \$000	\$0			\$0	\$0	SDGE RD Model/ Cost Alloc
SEU Local Transmission w/FFU, w/o SI \$000	\$66,748	\$470	\$0	\$34,002	\$66,748	
BB/LT Reconciliation	\$0					
Reconciled SEU Local Transmission w/FFU,	\$66,748					
C) Allocate to SEU classes:						
SCG CYPM Mth/Month	7,682	0	556,028	1,091,535		Alloc Factors
SCG CYPM exclude SDGE WS Mth/Month	7,682	0	415,013	950,520		Alloc Factors
SDGE CYPM Mth/month			65,967	139,487		SDGE RD Model/ Alloc Factors
SEU CYPM Mth/month	7,682	0	480,981	1,090,007		
CYPM Allocation % among SEU Classes	0.7%	0.0%	44.1%	100.0%		
Allocate to SEU Classes w/o FFU \$000	\$66,748	\$470	\$0	\$29,454	\$66,748	
D) Allocate to each utility:						
SCG %			100.0%	86.3%	87.2%	
SDGE %			0.0%	13.7%	12.8%	
total %			100.0%	100.0%	100.0%	
POST-SI Local Transmission Costs w/ FFU: (to calculate w/o SI, refer to SEU Pre-SI Lo						
SCG w/ FFU \$000	\$58,207	\$470	\$0	\$25,414	\$58,207	
SDGE w/ FFU \$000	\$8,542	\$0	\$0	\$4,040	\$8,542	
total w/ FFU \$000	\$66,748	\$470	\$0	\$29,454	\$66,748	

Calculation of BackBone Transmission Costs under System Integration:

A) Pre-SI BTS Transmission Costs from Cost Allocation Models w/FFU						
SCG w/FFU \$000	\$148,148	\$1,353	\$0	\$89,822	\$148,148	Cost Alloc
SDGE w/FFU \$000	\$38,229			\$21,396	\$38,229	SDGE RD Model/ Cost Alloc
SEU BBT w/FFU w/o SI \$000	\$186,377	\$1,353	\$0	\$111,218	\$186,377	
Target SEU BBT w/ FFU	\$186,377					
BB/LT Reconciliation	\$0					

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amounts.

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	
C) Allocate to SEU classes:							
SCG CYTP mth/yr	2,686,467	1,073,031	772	20,699	157,095	3,938,064	
SCG CYTP exclude SDGE WS Mth/year	2,686,467	1,073,031	772	20,699	157,095	3,938,064	
SDGE CYTP mth/yr	354,198	189,687	0	0	18,501	562,386	
SEU CYTP Mth/year	3,040,665	1,262,718	772	20,699	175,597	4,500,450	
CYTP Allocation % among SEU Classes	30.4%	12.6%	0.0%	0.2%	1.8%	45.1%	
Allocate to SEU Classes w/FFU \$000	\$186,377	\$56,746.40	\$23,565.46	\$14.41	\$386.29	\$3,277.07	\$83,990
D) Allocate to each utility:							
Each SCG class as a % of SEU class total	88.4%	85.0%	100.0%	100.0%	89.5%	87.5%	
Each SDGE class as a % of SEU class total	11.6%	15.0%	0.0%	0.0%	10.5%	12.5%	
total %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
POST SI BTS Transmission Costs w/ FFU: (to calculate w/o SI, refer to SEU Pre-SI BBT w/oFFU,FAR)							
SCG w/FFU \$000	\$162,540	\$50,136	\$20,025	\$14	\$386	\$2,932	\$73,494
SDGE w/FFU \$000	\$23,837	\$6,610	\$3,540	\$0	\$345	\$10,496	\$10,496
total w/FFU \$000	\$186,377	\$56,746	\$23,565	\$14	\$386	\$3,277	\$83,990

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amount:

	Non Core	EG Tier 1	EG Tier 2	EOR	Total Retail	Long Beach	SDG&E	Sout West	Vernon	Total Whole
	C&I				Non Core			Gas		sale
C) Allocate to SEU classes:										
SCG CYTP mth/yr	1,529,668	97,212	2,580,583	231,570	4,439,033	80,110	1,293,181	65,748	95,137	1,534,176
SCG CYTP exclude SDGE WS Mth/year	1,529,668	97,212	2,580,583	231,570	4,439,033	80,110	0	65,748	95,137	240,995
SDGE CYTP mth/yr	44,975	21,281	648,600	0	714,857	0	0	0	0	0
SEU CYTP Mth/year	1,574,643	118,493	3,229,183	231,570	5,153,890	80,110	0	65,748	95,137	240,995
CYTP Allocation % among SEU Classes	15.8%	1.2%	32.3%	2.3%	51.6%	0.8%	0.0%	0.7%	1.0%	2.4%
Allocate to SEU Classes w/FFU \$000	\$186,377	\$29,386.77	\$2,211.38	\$60,264.62	\$4,321.67	\$96,184	\$1,495.05	\$0.00	\$1,227.02	\$1,775.50
D) Allocate to each utility:										
Each SCG class as a % of SEU class total	97.1%	82.0%	79.9%	100.0%	86.1%	100.0%		100.0%	100.0%	100.0%
Each SDGE class as a % of SEU class total	2.9%	18.0%	20.1%	0.0%	13.9%	0.0%		0.0%	0.0%	0.0%
total %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		100.0%	100.0%	100.0%
POST SI BTS Transmission Costs w/ FFU: (to calculate w/o SI, refer to SEU Pre-SI BB)										
SCG w/FFU \$000	\$162,540	\$28,547	\$1,814	\$48,160	\$4,322	\$82,843	\$1,495	\$0	\$1,227	\$1,776
SDGE w/FFU \$000	\$23,837	\$839	\$397	\$12,104	\$0	\$13,341	\$0	\$0	\$0	\$0
total w/FFU \$000	\$186,377	\$29,387	\$2,211	\$60,265	\$4,322	\$96,184	\$1,495	\$0	\$1,227	\$1,776

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amount:

	DGN	TBS	Total Non Core	Total System \$000	Source
C) Allocate to SEU classes:					
SCG CYTP mth/yr	91,378	0	6,064,587	10,002,651	Alloc Factors
SCG CYTP exclude SDGE WS Mth/year	91,378	0	4,771,407	8,709,470	Alloc Factors
SDGE CYTP mth/yr	0	0	714,857	1,277,243	SDGE RD Model
SEU CYTP Mth/year	91,378	0	5,486,263	9,986,714	
CYTP Allocation % among SEU Classes	0.9%	0.0%	54.9%	100.0%	
Allocate to SEU Classes w/FFU \$000	\$186,377	\$1,705.35	\$0.00	\$102,387	\$186,377
D) Allocate to each utility:					
Each SCG class as a % of SEU class total	100.0%		87.0%	87.2%	
Each SDGE class as a % of SEU class total	0.0%		13.0%	12.8%	
total %	100.0%		100.0%	100.0%	
POST SI BTS Transmission Costs w/ FFU: (to calculate w/o SI, refer to SEU Pre-SI BB					
SCG w/FFU \$000	\$162,540	\$1,705	\$0	\$89,046	\$162,540
SDGE w/FFU \$000	\$23,837	\$0	\$0	\$13,341	\$23,837
total w/FFU \$000	\$186,377	\$1,705	\$0	\$102,387	\$186,377

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amounts.

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core
Calculation of BTS Revenue Requirement and Rate:	BTS Demand	Source				
				Calculation of MFV Rate:		
				BTS Rev Req excl BTBA \$000		
				MFV Rate % paid in Reservation Charge		
				Reservation Rev Req \$000		
				Capacity Mdth/day		
				Reservation rate \$/dth/day		
				Usage Rate:		
				Usage Rate Rev Req \$000		
BBT Demand Dth/d	2,817,590	2016 Phase I TCAP MsFung		Volumes Mdth/d		
				Volumes Mth/yr		
				Usage rate BTBA \$/dth		
BTS Tariff Rate \$/dth/day w/FFU:				Calculation of Interruptible Rate		
SEU Post-SI BTS w/FFU \$000	\$186,377			IT Rev req excl BTBA \$000		
BTBA w/o FFU \$000	\$3,847			Volumes Mdth/d		
FFU Rate Net-to-Gross	101.7638%	Misc Inputs		Volumes Mth/yr		
	\$3,915			IT Rate \$/dth		
BTS Revenue Requirement w/FFU \$000	\$190,292					
BTS Rate incl FARBA/BTBA \$/dth/day	\$0.18503					
BTS Rate excluding FARBA/BTBA \$/dth/day	\$0.18123					
Effective Unbundled Rate \$/therm excluding FFU:	<u>\$/therm</u>	<u>\$/dth/day</u>				
SEU Post-SI BTS w/FFU \$000	\$186,377	\$186,377				
FFU Rate Gross-to-Net Ratio	98.2668%	98.2668%				
SEU Post-SI BTS w/oFFU \$000	\$183,147	\$183,147				
AYTP Mthy/yr	9,648,574	2,817,590	Alloc Factors			
	\$0.01898	\$0.17809				

Allocation of BTS Revenue Requirement by Class:

Allocate to SEU classes:

SCG CYTP mth/yr	2,686,467	1,073,031	772	20,699	157,095	3,938,064
SCG CYTP exclude SDGE WS Mth/year	2,686,467	1,073,031	772	20,699	157,095	3,938,064
SDGE CYTP mth/yr	354,198	189,687	0	0	18,501	562,386
SEU CYTP Mth/year	3,040,665	1,262,718	772	20,699	175,597	4,500,450
CYTP Allocation % among SEU Classes	30.4%	12.6%	0.0%	0.2%	1.8%	45.1%
Allocate to SEU Classes w/FFU \$000	\$190,292	\$57,938	\$24,060	\$15	\$394	\$3,346
						\$85,754

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amount:

	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale
Calculation of BTS Revenue Requirement and Rate:										
	Excl BTBA	Incl BTBA								
	\$186,377	\$190,292								
	80%	80%								
	\$149,102	\$152,233								
	2,818	2,818								
	\$0.14498	\$0.14803								
BBT Demand Dth/d										
	\$37,275	\$38,058								
	2,818	2,818								
	10,284,205	10,284,205								
	\$0.03625	\$0.03701								
BTS Tariff Rate \$/dth/day w/FFU:										
SEU Post-SI BTS w/FFU \$000										
BTBA w/o FFU \$000										
FFU Rate Net-to-Gross	\$186,377	\$190,292								
	2,818	2,818								
	10,284,205	10,284,205								
	\$0.18123	\$0.18503								
BTS Revenue Requirement w/FFU \$000										
	\$0.18123	\$0.18503								
BTS Rate incl FARBA/BTBA \$/dth/day										
BTS Rate excluding FARBA/BTBA \$/dth/day										
Effective Unbundled Rate \$/therm excluding FFU:										
SEU Post-SI BTS w/FFU \$000										
FFU Rate Gross-to-Net Ratio										
SEU Post-SI BTS w/oFFU \$000										
AYTP Mthy/yr										
Allocation of BTS Revenue Requirement by Class:										
Allocate to SEU classes:										
SCG CYTP mth/yr	1,529,668	97,212	2,580,583	231,570	4,439,033	80,110	1,293,181	65,748	95,137	1,534,176
SCG CYTP exclude SDGE WS Mth/year	1,529,668	97,212	2,580,583	231,570	4,439,033	80,110	0	65,748	95,137	240,995
SDGE CYTP mth/yr	44,975	21,281	648,600	0	714,857	0	0	0	0	0
SEU CYTP Mth/year	1,574,643	118,493	3,229,183	231,570	5,153,890	80,110	0	65,748	95,137	240,995
CYTP Allocation % among SEU Classes	15.8%	1.2%	32.3%	2.3%	51.6%	0.8%	0.0%	0.7%	1.0%	2.4%
Allocate to SEU Classes w/FFU \$000	\$190,292	\$30,004	\$2,258	\$61,530	\$4,412	\$98,205	\$1,526	\$0	\$1,253	\$1,813
								\$0	\$1,253	\$1,813
										\$4,592

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amount:

	DGN	TBS	Total Non Core	Total System \$000	Source
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Calculation of BTS Revenue Requirement and Rate:

BBT Demand Dth/d

BTS Tariff Rate \$/dth/day w/FFU:

SEU Post-SI BTS w/FFU \$000
BTBA w/o FFU \$000
FFU Rate Net-to-Gross

BTS Revenue Requirement w/FFU \$000

BTS Rate incl FARBA/BTBA \$/dth/day

BTS Rate excluding FARBA/BTBA \$/dth/day

Effective Unbundled Rate \$/therm excluding FFU:

SEU Post-SI BTS w/FFU \$000
FFU Rate Gross-to-Net Ratio
SEU Post-SI BTS w/oFFU \$000
AYTP Mthy/yr

Allocation of BTS Revenue Requirement by Class:

Allocate to SEU classes:

SCG CYTP mth/yr	91,378	0	6,064,587	10,002,651	Alloc Factors
SCG CYTP exclude SDGE WS Mth/year	91,378	0	4,771,407	8,709,470	
SDGE CYTP mth/yr	0	0	714,857	1,277,243	SDGE RD Model
SEU CYTP Mth/year	91,378	0	5,486,263	9,986,714	
CYTP Allocation % among SEU Classes	0.9%	0.0%	54.9%	100.0%	
Allocate to SEU Classes w/FFU \$000	\$190,292	\$1,741	\$0	\$104,538	\$190,292

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amounts.

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core
Allocate to each utility:						
Each SCG class as a % of SEU class total	88.4%	85.0%	100.0%	100.0%	89.5%	87.5%
Each SDGE class as a % of SEU class total	11.6%	15.0%	0.0%	0.0%	10.5%	12.5%
total %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Allocate BBT Revenue Requirement w/ FFU:						
SCG \$000	\$165,955	\$51,189	\$20,446	\$15	\$394	\$2,993
SDGE \$000	\$24,337	\$6,749	\$3,614	\$0	\$353	\$10,716
SEU BTS Revenue Requirement w/FFU \$000	\$190,292	\$57,938	\$24,060	\$15	\$394	\$3,346
SCG \$000	\$138,249	\$41,871	\$16,361	\$9	\$277	\$2,032
SDGE \$000	\$18,737	\$4,741	\$2,812	\$0	\$179	\$7,733
SEU BTS Revenue Requirement w/FFU \$000	\$156,986	\$46,612	\$19,173	\$9	\$277	\$2,211

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amount:

	Non Core	EG Tier 1	EG Tier 2	EOR	Total Retail	Long Beach	SDG&E	Sout West	Vernon	Total Whole	
	C&I				Non Core			Gas		sale	
Allocate to each utility:											
Each SCG class as a % of SEU class total	97.1%	82.0%	79.9%	100.0%	86.1%	100.0%		100.0%	100.0%	100.0%	
Each SDGE class as a % of SEU class total	2.9%	18.0%	20.1%	0.0%	13.9%	0.0%		0.0%	0.0%	0.0%	
total %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		100.0%	100.0%	100.0%	
Allocate BBT Revenue Requirement w/ FFU:											
SCG \$000	\$165,955	\$29,147	\$1,852	\$49,172	\$4,412	\$84,584	\$1,526	\$0	\$1,253	\$1,813	\$4,592
SDGE \$000	\$24,337	\$857	\$406	\$12,359	\$0	\$13,621	\$0	\$0	\$0	\$0	\$0
SEU BTS Revenue Requirement w/FFU \$000	\$190,292	\$30,004	\$2,258	\$61,530	\$4,412	\$98,205	\$1,526	\$0	\$1,253	\$1,813	\$4,592
SCG \$000	\$138,249	\$23,326	\$948	\$46,382	\$2,307	\$72,963	\$1,365	\$0	\$1,108	\$1,241	\$3,714
SDGE \$000	\$18,737	\$749	\$452	\$9,803	\$0	\$11,004	\$0	\$0	\$0	\$0	\$0
SEU BTS Revenue Requirement w/FFU \$000	\$156,986	\$24,075	\$1,400	\$56,185	\$2,307	\$83,967	\$1,365	\$0	\$1,108	\$1,241	\$3,714

**System Integration ("SI") and BackBone Transmission BTS charge
2016 TCAP Phase II Rates**

To calculate w/o SI, use Pre-SI Local-T/BBT/CoUse/ w/oFFU instead of Post-SI amount:

	DGN	TBS	Total Non Core	Total System \$000	Source
Allocate to each utility:					
Each SCG class as a % of SEU class total	100.0%		87.0%	87.2%	
Each SDGE class as a % of SEU class total	0.0%		13.0%	12.8%	
total %	100.0%		100.0%	100.0%	
Allocate BBT Revenue Requirement w/ FFU:					
SCG \$000	\$165,955	\$1,741	\$0	\$90,917	\$165,955
SDGE \$000	<u>\$24,337</u>	<u>\$0</u>	<u>\$0</u>	<u>\$13,621</u>	<u>\$24,337</u>
SEU BTS Revenue Requirement w/FFU \$000	<u>\$190,292</u>	<u>\$1,741</u>	<u>\$0</u>	<u>\$104,538</u>	<u>\$190,292</u>
SCG \$000	\$138,249	\$1,022	\$0	\$77,700	\$138,249
SDGE \$000	<u>\$18,737</u>	<u>\$0</u>	<u>\$0</u>	<u>\$11,004</u>	<u>\$18,737</u>
SEU BTS Revenue Requirement w/FFU \$000	<u>\$156,986</u>	<u>\$1,022</u>	<u>\$0</u>	<u>\$88,704</u>	<u>\$156,986</u>

**SoCalGas
Residential Rate Design
2016 TCAP Phase II Rates**

Procedure:

-
- #1 Calculate LMM revenue
 - #1a Calculate Submeter Credit Revenues
 - # 1b Calculation of Residential Customer Charge
 - #1c Calculation of CAT Adder & Allocation between Res & LMM
 - #1d Calculation of CSITMA Adder & Allocation between Res & LMM, Decision 10-01-022 January 21, 2010
 - #2 Calculation of Customer Charge Revenue
 - #3 Calculate SF, MF & SMM Volumetric Revenue
 - #4 Calculation of BL Rate & NBL Rates & Revenue for SF, MF & SMM
 - #5 LMM Volumetric Rate
-

RESULTS of Res Rate:

	Rates				# Customers & Volumes				Revenues				
	Customer Charge \$/mo	BL \$/th	NBL \$/th	Average Volumetric Rate \$/th	# Customers	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
SF (Schd GR)	\$10.00	\$0.31104	\$0.57104		3,750,414				\$450,050				
MF (Schd GS)	\$10.00	\$0.31104	\$0.57104		1,743,024				\$209,163				
SMM (Schd GM)	\$10.00	\$0.31104	\$0.57104		124,314				\$14,918				
Total SF, MF & SMM	\$10.00	\$0.31104	\$0.57104	\$0.37371	5,617,752	1,839,570	584,298	2,423,869	\$674,130	\$572,176	\$333,656	\$905,832	\$1,579,962
LMM (Schd GMB)	\$411	\$0.10848	\$0.19915	\$0.12344	57	9,428	1,863	11,291	\$280	\$1,023	\$371	\$1,394	\$1,674
Total SF, MF, SMM & LMM	\$10.00	\$0.31000	\$0.56986	\$0.37255	5,617,809	1,848,999	586,161	2,435,160	\$674,410	\$573,198	\$334,027	\$907,226	\$1,581,636
Submeter Credit \$/unit/day (Schd GS)				(\$0.27386)	148,373							(\$14,831)	(\$14,831)
Total Residential													\$1,566,805
CAT Adder				(\$0.00003)				49,671				(\$2)	(\$2)
CSITMA Adder				\$0.00221				1,800,739				\$3,988	\$3,988
Total Residential					5,617,809			2,435,160	\$674,410			\$896,380	\$1,570,791

Residential Demand Data:

Class	Tariff	# Customers	Mth/year Base Line	Mth/year Non Base Line	Mth/year Total	Source
Single Family	GR	3,750,414	n/a	n/a	n/a	Res data
Multi Family	GS	1,743,024	n/a	n/a	n/a	Res data
Small Master Meter	GM	124,314	n/a	n/a	n/a	Res data
		5,617,752	1,839,570	584,298	2,423,869	
Large Master Meter	GMB	57	9,428	1,863	11,291	Res data
total		5,617,809	1,848,999	586,161	2,435,160	Res data
# Master Meters w/ Submeter:	GS	1,871	n/a	n/a	n/a	Res data
Total # Submetered units	GS	148,373	n/a	n/a	n/a	Res data
CAT		n/a	n/a	n/a	49,671	Alloc Factors

#1 Calculate LMM revenue	Source
Total Res Customer Costs =	\$964,133 Cost Alloc
Total Res Customer Charge Revenue =	(\$674,410)
Submeter Credit =	\$14,831
	\$304,554
total Res Mth/y =	243,516
Average Res Rate =	\$0.13
LMM Mth/y =	11,291
LMM Volumetric Revenue incl CAT Costs=	\$1,412
Less CAT Costs allocated to LMM \$000	\$0.007
Less CSITMA Costs allocated to LMM \$000	(\$18,404)
LMM Volumetric Revenue NonCAT, nonCSITMA =	\$1,394
LMM Customer Charge Revenue =	\$280
LMM revenue NonCAT, nonCSITMA \$000's/yr =	\$1,674

#1a Calculate Submeter Credit Revenues	Source
Based on Current Rate:	
Submeter Credit, \$/day/unit	(\$0.27386) 2017TCAP SubMtr Cr
Number of Submetered Units =	148,373
Number of days for subMeter CR =	365
Submeter Credit Revenues @ current rate \$000/yr =	(\$14,831)
Submeter Credit Care Rate, \$/day/unit	(\$0.30674) 2017TCAP SubMtr Cr

1b Calculation of Residential Customer Charge

Calculation of Residential Customer Charge based on Customer Costs allocated to Res Class.

Customer costs that are allocated to Res class are then allocated to each Res Subclass (i.e. LMM & Other Res) based on % of costs based on new meter units for each subclass.

	Other Res	LMM	Total Res	Source
Est New Meter Unit Cost \$/meter=	\$88	\$3,198		Res SRM Data
# Res Customers =	5,617,752	57	5,617,809	
Total cost based on new meter unit cost \$000	\$495,878	\$182	\$496,060	
% of total =	100.0%	0.0%	100.0%	
Total Customer Costs Allocated to Res Class \$000	\$964,133	\$964,133	\$964,133	Alloc factors
Customer Charge Rev based on Allocated Cost Adjusted for Meter Cost \$000	\$963,780	\$353	\$964,133	
# Res Customers =	5,617,752	57	5,617,809	
Customer Charge based on Allocated Cust Cost & Meter cost \$/mo =	\$14	\$518	\$14	

Calculation of LMM Customer Charge based on Cap on increase

	LMM	Source
Current LMM Customer Charge \$/meter/day	\$12,289	Tariff Schd GM January 2014
	365	
	12	
Current LMM Customer Charge \$/mo=	\$374	
LMM Cust Charge Increase Cap =	10%	2005BCAP
LMM Cust Charge at Capped Increase \$/mo =	\$411	
compare to Cust Charge based on Customer Costs & meter unit cost	\$518	
Customer Charge = smaller of Meter Based & Capped Increase =	\$411	
# Customers =	57	
LMM Customer Charge Rev \$000's/yr =	\$280	

#1c Calculation of CAT Adder & Allocation between Res & LMM

		Source
CAT Related Costs allocated to Res \$000	(\$1.6)	Cost Alloc
CAT Volumes Mth/yr	49,671	
CAT Rate Adder \$/th	(\$0.00003)	

Allocate CAT costs between Res and LMM and Calculation of CAT Adder:

	Forecast Mth/yr	%	CAT related costs \$000	Source
Res Vols Mth/yr	2,435,160	99.5%	(\$1.59)	
LMM Vols Mth/yr	11,291	0.5%	(\$0.01)	
	2,446,451	100.0%	(\$1.59)	Cost Alloc

#1d Calculation of CSITMA Adder & Allocation between Res & LMM, Decision 10-01-022 January 21, 2010

		Source
CSITMA Related Costs allocated to Res \$000	\$3,987.7	Cost Alloc
Non Care Res Volumes Mth/yr	1,800,739	
CSMITA Rate Adder \$/th	\$0.00221	

Allocate CSITMA costs between Res and LMM and Calculation of CSITMA Adder:

	Forecast Mth/yr	%	CSITMA related costs \$000	Source
Res Vols Mth/yr	2,435,160	99.5%	\$3,969.27	
LMM Vols Mth/yr	11,291	0.5%	\$18.40	
	2,446,451	100.0%	\$3,987.68	Cost Alloc

#2 Calculation of Customer Charge Revenue

	# Customers	Proposed Rate \$/mo	Proposed Revenue \$000/yr	Source
SF	3,750,414	\$10.00	\$450,050	
MF	1,743,024	\$10.00	\$209,163	
SMM	124,314	\$10.00	\$14,918	
LMM	57	\$411	\$280	
			\$674,410	

#3 Calculate SF, MF & SMM Volumetric Revenue

		Source
Total Res Allocated Rev Req =	\$1,570,791	Cost Alloc
Less CAT Cost allocated to Res	\$1.6	
Less CSITMA Cost allocated to Res	(\$3,987.7)	
Total Res Allocated Rev Req NonCAT , nonCSITMA	\$1,566,805	
Less LMM revenue NonCAT, nonCSITMA =	(\$1,674)	
SF, MF & SMM Revenue \$000/yr =	\$1,565,131	
Less Cust Chg Rev \$000/yr		
SF	\$450,050	
MF	\$209,163	
SMM	\$14,918	
	\$674,130	
SubMeter Credit	(\$14,831)	
Vol revenue SF, MF & SMM:	\$876,169	

#4 Calculation of BL Rate & NBL Rates & Revenue for SF, MF & SMM

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

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

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

Formulae:

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

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

$$\text{TR} = (\text{BLR} * \text{BLV}) + (\text{NBLR} * \text{NBLV}) + \text{CCR} + \text{SMCr}$$

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

$$\text{BLR} = (\text{TR} - (\text{NBLR} * \text{NBLV}) - \text{CCR} - \text{SMCr}) * (1 / \text{BLV})$$

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

	E	RATIO	Rates to Use	Sources
Base Line Rate \$/th = blr = (calculated)	\$0.31104	\$0.25073		
Base Line Rate \$/th= blr = (input in model)	\$0.31104	\$0.25073	\$0.31104	RES Rate/RUN (this is done to avoid circ ref)
Base Line Vols mth/yr = blv =	1,839,570	1,839,570	1,839,570	
Baseline Revenue \$000 =	\$572,176	\$461,233	\$572,176	
NBL rate based on NBL-BL Difference CAP:				
Base Line Rate \$/th = blr =	\$0.31104			
DIFFERENCE CAP	\$0.26000			2013 TCAP
NonBaseline Rate \$/th	\$0.57104			difference cap \$0.26/therm
NBL rate based on NBL/Composite Ratio:				
Composite Rate \$/th		\$1.01190		
Targeted RATIO		1.15		
Gas Rate \$/th =		\$0.40277		Misc Inputs
NonBaseline Rate \$/th		\$0.76091	\$0.57104	
NonBaseline Vols mth/yr= nbvl =	584,298	584,298	584,298	
NonBaseline Revenue \$000	\$333,656	\$444,599	\$333,656	
Customer Charge revenue = ccr =	\$674,130	\$674,130	\$674,130	
SubMeter Credit = sc =	(\$14,831)	(\$14,831)	(\$14,831)	
Total Revenue	\$1,565,131	\$1,565,131	\$1,565,131	
target revenue	\$1,565,131	\$1,565,131	\$1,565,131	
	\$0	\$0	\$0	
Difference between NBL and BL rate:				
NBL Rate \$/th	\$0.57104	\$0.76091	\$0.57104	
BL rate \$/th	\$0.31104	\$0.25073	\$0.31104	
difference \$/th	\$0.26000	\$0.51018	\$0.26000	
Effective NBL/Composite Ratio:				
NBL Rate \$/th	\$0.57104	\$0.76091	\$0.57104	
Gas Rate \$/th =	\$0.40277	\$0.40277	\$0.40277	Misc Inputs
	\$0.97381	\$1.16368	\$0.97381	
Composite Rate \$/th	\$1.07221	\$1.01190	\$1.07221	
Effective Ratio	0.91	1.15	0.91	

Composite Rate:			
Baseline Revenue \$000 =	\$572,176	\$461,233	\$572,176
Customer Charge revenue = ccr =	\$674,130	\$674,130	\$674,130
SubMeter Credit = sc =	(\$14,831)	(\$14,831)	(\$14,831)
	<u>\$1,231,474</u>	<u>\$1,120,532</u>	<u>\$1,231,474</u>
Base Line Vols mth/yr = blv =	1,839,570	1,839,570	1,839,570
	<u>\$0.66944</u>	<u>\$0.60913</u>	<u>\$0.66944</u>
Gas Rate \$/th =	<u>\$0.40277</u>	<u>\$0.40277</u>	<u>\$0.40277</u> Misc Inputs
Composite Rate \$/th	<u>\$1.07221</u>	<u>\$1.01190</u>	<u>\$1.07221</u>

#5 LMM Volumetric Rate

LMM = Master Meter BL/NBL Rates are set proportional to proposed SF BL/NBL Rates
 (Blrate*Blvolumes) + (presentNBL/Blratio * Blrate * NBLvolumes) = LMM Volumetric revenue
 LMM Volumetric revenue NonCAT \$000/yr= \$1,394
 Blvolumes = 9,428

proposed SF NBL/Blratio:
 SF BL rate = \$0.31104
 SF NBL rate = \$0.57104
 ratio = 1.84
 NBLvolumes = 1,863

solve for Blrate:
 Blrate * (Blvolume + (NBLvolume*ratio)) = LMM volumetric revenue
 Blrate = Revenue/(Blvolume + (NBLvolume*ratio))

	Proposed LMM		
	Volumetric rate \$/th	LMM Vol mth/yr	LMM vol rev \$000/yr
Blrate \$/th =	\$0.10848	9,428	\$1,023
NBLrate = Blrate * ratio = \$/th	\$0.19915	1,863	\$371
	<u>\$0.12344</u>	<u>11,291</u>	<u>\$1,394</u>
ratio of proposed rates =	1.84		

**SoCalGs Residential Rate Design Data
2016 TCAP Phase II Rates**

Residential Customer Class Data for 2014	Tariff	# Customers	Mth/year Base Line	Mth/year Non Base Line	Mth/year Total	Source
Single Family	GR	3,631,459	1,022,231	370,126	1,392,357	2014 Recorded Data
Multi Family	GR	1,687,739	279,654	41,140	320,794	2014 Recorded Data
Master Meters:						
Small Master Meter	GM	120,371	219,969	72,117	292,086	2014 Recorded Data
Large Master Meter	GMB	55	7,800	1,541	9,341	2014 Recorded Data
# master meters		120,426	227,769	73,658	301,427	
total		5,439,624	1,529,654	484,924	2,014,578	
# Master Meters w/ Submeters	GS	1,812	n/a	n/a	n/a	2014 Recorded Data
Total # Submetered units	GS	143,667	n/a	n/a	n/a	2014 Recorded Data

2014 actuals as % of total

Single Family	GR	66.8%	50.7%	18.4%	69.1%	
Multi Family	GR	31.0%	13.9%	2.0%	15.9%	
Master Meters:						
Small Master Meter	GM	2.2%	10.9%	3.6%	14.5%	
Large Master Meter	GMB	0.0%	0.4%	0.1%	0.5%	
# master meters		2.2%	11.3%	3.7%	15.0%	
total		100.0%	75.9%	24.1%	100.0%	
# Master Meters w/ Submeters	GS	1.5%	n/a	n/a	n/a	
Average # submeters per master meter	GS	79	n/a	n/a	n/a	

2017TCAP Forecast Residential Data Allocated to SF/MF/MM:

2017TCAP Forecast		5,617,809			2,435,160	Alloc Factors
Single Family	GR	3,750,414	1,235,641	447,397	1,683,038	
Multi Family	GR	1,743,024	338,037	49,729	387,766	
Master Meters:						
Small Master Meter	GM	124,314	265,892	87,173	353,065	
Large Master Meter	GMB	57	9,428	1,863	11,291	
# master meters		124,371	275,320	89,036	364,356	
total		5,617,809	1,848,999	586,161	2,435,160	
# Master Meters w/ Submeters	GS	1,871	n/a	n/a	n/a	
Total # Submetered units	GS	148,373	n/a	n/a	n/a	

SoCalGas
 Res Meter Size Data
 2016 TCAP Phase II Rates

Meter Size	New Meter Unit Cost (\$/meter)	wgts	Recorded # Res Customers	% allocation of Scalar	Allocation of Scalar	Forecast # Res Customers	# Large Master Meters	# of SF, MF & SMM customers
1	\$76	21	5,031,893	93.5%	183,224	5,215,117		5,215,117
2	\$142	20	53,394	0.9%	1,852	55,246		55,246
3	\$143	19	282,305	4.7%	9,300	291,605		291,605
4	\$648	18	42,499	0.7%	1,326	43,825		43,825
5	\$648	17	830	0.0%	24	854	0	854
6	\$2,101	16	7,375	0.1%	205	7,580	0	7,580
7	\$2,101	15	141	0.0%	4	145	0	145
8	\$2,143	14	2,495	0.0%	61	2,556	0	2,556
9	\$2,143	13	600	0.0%	14	614	0	614
10	\$1,423	12	215	0.0%	4	219	9	210
11-15	\$1,813	11	35	0.0%	1	36	36	0
16	\$2,404	10	5	0.0%	0	5	5	0
17	\$14,456	9	3	0.0%	0	3	3	0
18	\$5,847	8	2	0.0%	0	2	2	0
20	\$16,000	7	0	0.0%	0	0	0	0
21	\$6,853	6	0	0.0%	0	0	0	0
23	\$8,566	5	1	0.0%	0	1	1	0
24	\$17,118	4	0	0.0%	0	0	0	0
25	\$61,500	3	0	0.0%	0	0	0	0
28	\$28,235	2	1	0.0%	0	1	1	0
30-32	\$130,370	1	0	0.0%	0	0	0	0
Total			5,421,794		196,015	5,617,809	57	5,617,752
Forecasted Customers			5,617,809	<i>Alloc Factors</i>			57	<i>Res Data</i>
Scalar			196,015					
Meter Cost =						\$88.30	\$3,198.42	\$88.27

**SoCalGas Core C&I Rate Design
2016 TCAP Phase II Rates**

Procedures:

- #1 Calculate # customers by Tier
- #2 Calculate # Therms by Tier
- #3 Calculation of Volumetric Rates
- #4 Calculation of CAT Adder:

Results	Rate \$/mo or \$/th	# Customers	AYTP mth/yr	revenue \$000/yr
Customer Charge:				
Tier 1 <1,000 th/yr	\$15.00	146,202		\$26,316
Tier 2 >1,000 th/yr	\$15.00	61,115		\$11,001
Customer Charge	\$15.00	207,317		\$37,317
Tier 1 0 to 250 th/mo				
Tier 1 0 to 250 th/mo	\$0.42409		203,321	\$86,227
Tier 2 250 to 4,167 th/mo	\$0.21123		453,170	\$95,722
Tier 3 over 4,167 th/mo	\$0.06850		366,694	\$25,119
Total Volumetric	\$0.20238		1,023,186	\$207,068
Total Volumetric & Customer Charge	\$0.23885		1,023,186	\$244,385
CAT Adder	(\$0.00003)		137,753	(\$4)
CSITMA Adder \$/th	0.002214467		1,008,238	\$2,233
Total CCI	\$0.24102		1,023,186	\$246,613

Alloc Factors
Alloc Factors

#1 Calculate # customers by Tier

	2014 #		Forecast #	
	Bills/yr	% total	Customers	Source
Tier 1	1,416,248	70.5%	146,202	Recorded 2014
Tier 2	592,017	29.5%	61,115	Recorded 2014
	2,008,265	100.0%	207,317	Alloc Factors

#2 Calculate # Therms by Tier

2006 Mth/yr	2014 Total		Forecast	
	Mth/yr	% total	Mth/yr	Source
Tier 1 *	214,038.2	19.9%	203,321	Recorded 2014
Tier 2	477,056.0	44.3%	453,170	Recorded 2014
Tier 3	386,022.2	35.8%	366,694	Recorded 2014
	1,077,116.4	100.0%	1,023,186	Alloc Factors

Notes:
* Tier 1 without seasonality, Tier 1 includes volumes up to 250 th/mo in winter & Summer months.

#3 Calculation of Volumetric Rates

	% difference from Tier 1	Forecast Vol Mth/yr	Vol Rate		Vol Rate		Total Vol Rate \$/th	Total Vol Rev \$000
			Base Margin Items \$/th	Vol Rev Base Margin Items \$000	NonBase Margin Items \$/th	NonBase Margin Items \$000		
Tier 1		203,321	\$0.41288	\$83,948	\$0.01121	\$0.42409	\$86,227	
Tier 2	48%	453,170	\$0.20002	\$90,641	\$0.01121	\$0.21123	\$95,722	
Tier 3	14%	366,694	\$0.05729	\$21,008	\$0.01121	\$0.06850	\$25,119	
		1,023,186		\$195,597		\$0.20238	\$207,068	

Total Allocated Base Margin Costs to CCI \$232,872 Cost Alloc
 Less CAT Related Costs allocated to CCI \$000 \$4 Cost Alloc
 Plus Non-ECPT items \$38 Cost Alloc
 Amount to be allocated based on current tier difference \$232,914
 less customer charge revenue (\$37,317)
 Target Vol Rev \$000 = \$195,597
 Vol revenue Check should be \$0

Total Allocated Costs \$246,613 Cost Alloc
 Less CAT Related Costs allocated to CCI \$000 \$4
 Less CSITMA Adder \$/th (\$2,233) Cost Alloc
 Total Allocated Costs \$244,385
 Amount to be allocated based on current tier difference \$232,914
 Total Allocated NonBase Margin Costs \$11,471
 Forecast AYTP Mth/yr 1,023,186
 Volumetric Rate for NonBaseMargin Items \$/th \$0.01121

Notes:

Rate 1 = (((1*volume1) + (1*tier 2 % difference*Volume2) + (1*tier 3 % difference*Volume3))/(1/volumetric revenue))^-1
 Rate 2 = Rate 1 * % difference from tier 1
 Rate 3 = Rate 1 * % difference from tier 1

Volumetric rates are calculated in 2 parts:
 part 1 = base margin - CAT costs + Core Averaging Adjustment - Customer Chareg Revenue is allocated amongst the tiers based on current rates.
 part 2 = non base margin items are allocated ECPT among tiers.

#4 Calculation of CAT Adder:

CAT Related Costs allocated to CCI \$000	(\$4)
CAT Volumes Mth/yr	137,753
CAT Rate Adder \$/th	(\$0.00003)

Alloc Factors

SoCalGas G-AC Rate Design
2016 TCAP Phase II Rates

Procedure:

Single volumetric tier and a single customer charge.

Volumetric rate based on allocated costs, less customer charge revenue, divided by AYTP.

Calculation of Volumetric Transmission Rate:	Source
Total Transportation Revenue \$000	\$73.123 Cost Alloc
CSITMA Adder	\$1.709 Cost Alloc
Less Customer Charge Revenue:	
# customers	9 Recorded 2014
Customer Charge \$/mo	\$150.00
Customer Charge Revenue \$000/yr	\$16
Volumetric Revenue \$00/yr	\$55
AYTP mth/yr	772 Alloc Factors
Volumetric Rate \$/th	\$0.07153

**SoCalGas G-EN Rate Design
2016 TCAP Phase II Rates**

Procedure:

Single volumetric tier and a single customer charge.

Volumetric rate based on allocated costs, less customer charge revenue, divided by AYTP.

Calculation of Volumetric Transmission Rate:		Source
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$3,936	Cost Alloc
Subtotal Other Operating Costs and Revenues	\$179	Cost Alloc
Total Regulatory Accounts	\$36	Cost Alloc
Core Interstate Pipeline Demand Charges (IPDC)	\$0	Cost Alloc
EOR Revenue allocated to Other Classes \$000	(\$25)	Cost Alloc
EOR Costs allocated to Other Classes \$000	\$13	Cost Alloc
Total Transportation Revenue \$000	\$4,139	
AYTP mth/yr	20,699	Alloc Factors
average rate \$/th	\$0.19996	
G-EN CAP \$/th	\$0.12163	
AYTP mth/yr	20,699	Alloc Factors
Revenue @ G-EN CAP rate \$000	\$2,518	
Reduction in rate required to match CAP	\$1,621	
Transportation Revenue to match CAP	\$2,518	
average rate \$/th	\$0.12163	
Total Transportation Revenue (post CAP) \$000	\$2,518	Cost Alloc
CSITMA Adder	\$46	
Less Customer Charge Revenue:		
# customers	712	Recorded 2014
Customer Charge \$/mo	\$50.00	
Customer Charge Revenue \$000/yr	\$427	
Volumetric Revenue \$00/yr	\$2,045	
AYTP mth/yr	20,699	Alloc Factors
Volumetric Rate \$/th	\$0.09878	

Calculation of G-EN CAP:	Source
G-EN Cap (incl IPDC, EE & RDD)	\$0.20384
Less IPDC	(\$0.03564)
Less EE & RDD rate \$/th	(\$0.04657)
G-EN CAP (Ex IPDC, EE & RDD)	\$0.12163
Calculation of EE & RDD rate \$/th:	
allocated EE \$000's	\$767
allocated LIEE \$000's	\$0
Less allocated CEA balance:	
total CEA balance \$000's	\$3,317
DSM allocator	0.99%
	\$33
Plus allocated RDD:	
total RDD \$000's	\$11,357
EPMC All Ex UBS & EOR	0.12%
	\$13
Allocated EE & RDD \$000's	\$747
AYTP Mth/yr	16,040
Less EE & RDD rate \$/th	\$0.04657

**SoCalGas NGV Rate Design
2016 TCAP Phase II Rates**

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	\$15,504	Cost Alloc
Less EC Compression Costs	\$2,440	Cost Alloc
CSITMA Adder \$/th	\$348	Cost Alloc
Total Transport Rev Stand Alone	\$12,715	

Pre SW Calculation of Compression Adder Rate:

EC Compression Costs	\$2,440	
Compression Volumes mth/yr	2,099	NGV Compression Rate Adder Model
Pre SW Compression Adder Rate \$/th	\$1.16290	

Calculation of Customer Charge Revenue:

	P-1	P-2A	Total	Source
Customer Charge \$/mo	\$13.00	\$65.00	\$31.81	
# Customers	229	130	359	NGV Dept 2014/ Alloc Factors
Customer Charge Revenue \$000/yr	\$36	\$101	\$137	

Pre-SW Calculation of NGV Transportation Rate:

		Source
Total Transport Rev Stand Alone	\$12,715	
Less Customer Charge revenue \$000/yr	\$137	
Volumetric Revenue \$000/yr	\$12,578	
Transportation volumes mth/yr	157,095	Alloc Factors
Pre-SW NGV Transportation Rate \$/th	\$0.08007	

Calculation of Post SW NGV Rates:	SCG	SDGE	Total	
Pre-SW Transportation Volumetric Revenue w/FFU	\$12,578	\$540	\$13,119	SDGE RD Model / NGV Rates
FFU	101.76%	102.33%		Misc Input/ SDGE RD Model
Pre-SW Transportation Volumetric Revenue w/oFFU	\$12,360	\$528	\$12,888	
Transportation volumes mth/yr	157,095	18,501	175,597	SDGE RD Model / NGV Rates
SW Average Transport Rate w/o FFU \$/th			\$0.07340	
Calculation of SW Transport Revenue w/o FFU:				
Transportation volumes mth/yr	157,095	18,501	175,597	
Post SW Volumetric Rates w/o FFU\$/th	\$0.07340	\$0.07340	\$0.07340	
Post SW Volumetric Revenue w/o FFU	\$11,530	\$1,358	\$12,888	
Pre-SW Transportation Volumetric Revenue w/o FFU	\$12,360	\$528	\$12,888	
SW UnCompressed Volumetric Adjustment w/o FFU	(\$830)	\$830	\$0	
Calculation of SW Transport Revenue w/ FFU:				
Transportation volumes mth/yr	157,095	18,501	175,597	
Post SW Volumetric Rates w/ FFU\$/th	\$0.07469	\$0.07511	\$0.07474	
Post SW Volumetric Revenue w/ FFU	\$11,734	\$1,390	\$13,123	
Pre-SW Transportation Volumetric Revenue w/FFU	\$12,578	\$540	\$13,119	
SW UnCompressed Volumetric Adjustment w/FFU	(\$845)	\$849	\$5	
Pre-SW Compressor Revenue w/FFU				
FFU	\$2,440	\$494	\$2,935	SDGE RD Model / NGV Rates
	101.76%	102.33%		Misc Input/ SDGE RD Model
Pre-SW Compressor Revenue w/o FFU	\$2,398	\$483	\$2,881	
Compressor Volumes Mth/yr	2,099	744	2,843	SDGE RD Model / NGV Rates
SW Average Compressor Rate w/o FFU \$/th			\$1.01346	
Calculation of SW Compressor Revenue w/o FFU:				
Compressor Volumes Mth/yr	2,099	744	2,843	
SW Average Compressor Rate w/o FFU \$/th	\$1.01346	\$1.01346	\$1.01346	
Post SW Compressor Revenue w/o FFU	\$2,127	\$754	\$2,881	
Pre-SW Compressor Revenue w/o FFU	\$2,398	\$483	\$2,881	
SW Compressed Adjustment w/o FFU	(\$271)	\$271	\$0	
Calculation of SW Compressor Revenue w/ FFU:				
Compressor Volumes Mth/yr	2,099	744	2,843	
SW Average Compressor Rate w/ FFU \$/th	\$1.03134	\$1.03712	\$1.03285	
Post SW Compressor Revenue w/ FFU	\$2,164	\$772	\$2,936	
Pre-SW Compressor Revenue w/ FFU	\$2,440	\$494	\$2,935	
SW Compressed Adjustment w/ FFU	(\$276)	\$278	\$2	
Total NGV Revenue w/FFU:				
Pre-SW Vol & Compressor Adder W/FFU	\$15,019	\$1,035	\$16,053	
Post-SW Volumetric & Compressor Adder w/FFU	\$13,898	\$2,162	\$16,060	
	(\$1,121)	\$1,127	\$6	

**SoCalGas Residential NGV Rates
2016 TCAP Phase II Rates**

Procedure:

-
- Calculate average cost per residential customer.
 - Calculate incremental cost for a Fuel Maker (FM)
 - Calculate total revenue required from a residential customer with a fuel maker.
 - Deduct customer charge revenue to obtain volumetric revenue requirement
 - Calculate total therms/year from residential customers with a fuel maker
 - Calculate volumetric rate for Res customer with FM as total costs (including FM) / total volumes (incl FM)
-

Results of Res Data:	Rate	# Res Customers with Fuel Maker	AYTP Mth/yr	Revenue \$000/yr
Customer Charge \$/mo	\$10.00	5,618		\$674
Volumetric Rate \$/th	\$0.17740		4,540	\$805
				<u>\$1,480</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	\$1,570,791	Cost Alloc
# Res Customers	5,617,809	Alloc Factors
Residential Cost = \$/Customer/year	\$280	
Additional cost for FM = \$/customer/year	\$61	
Total cost for Res customer with FM = \$/customer/yr	\$340	
Total # FM customers	5,618	
Total Revenue from Res Customers with FM=\$000	\$1,912	
# Res Customers with FM	5,618	
Customer Charge = \$/mo	\$10.00	
Customer Charge Revenue = \$000/yr	\$674	
Volumetric Revenue from Res Customers with FM=\$000	\$1,237	
Total Mth/year of Res Customers with FM=Mth/yr	6,975	
Vol Transport Rate for Res Customer with FM=\$/th	\$0.17740	

Calculation of Total Mth/year of Res Customers with Fuel Maker ("FM"):		Source
Average Residential Th/year:		
Total Residential AYTP=Mth/yr	2,435,160	Alloc Factors
# Residential Customer	5,617,809	Alloc Factors
Average Residential Th/year	433	
Additional Th/year for FM:		
Total Fuel Maker Mth/yr	4,540	
Total # Fuel Maker customers	5,618	
Additional Th/year for Fuel Maker	808	
Total Th/year for Res Customer with FM = th/yr	1,242	
Total # FM customers	5,618	
Total Mth/year of Res Customers with FM=Mth/yr	6,975	

Calculation of FM therms/year and # FM Customers:		Source
FM Usage Per Day Per Home (therm/day)	2.21	Recorded 2014
x avg #days/month	30.4	Recorded 2014
FM Usage Per Day Per Home (therm/day)	67.3	
Total # Res Customers	5,617,809	Alloc Factors
% of Res. Households Having NGV refueling at home	0.1%	Recorded 2014
Total # FM customers	5,618	
Total FM Mth/yr	4,540	
Total FM Mth/month	378	
Total FM Mth/day	12.4	

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

24,272	Alloc Factors
12.4	
0.05%	
\$360,700	Cost Allocation

Total MPD Costs \$000

\$185

Incremental HPD Costs \$000/yr

Res CYPM Mth/mo
FM Est CYPM Mth/mo
FM CYPM as % Res CYPM
Res HPD Costs \$000

402,503	Alloc Factors
378	
0.09%	
\$57,696	Cost Allocation

Total HPD Costs (\$1,000)

\$54

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	
2,686,467	Alloc Factors
4,540	Use AYTP of FM market
0.17%	
\$0	Cost Allocation

Incremental BBT Costs \$000

\$0

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

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

402,503	Alloc Factors
378	Use AYTP of FM market
0.09%	
\$24,648	Cost Allocation

Incremental Local-T costs \$000

\$23

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

Res CYPD Mth/d	24,272	Alloc Factors
FM Est Peak Day Mth/d	12.4	
FM Peak Day as % Res Peak Day	0.05%	
Res Stoorage Costs - Seasonal \$000	\$46,830	Cost Allocation
Storage Costs - Seasonal for FM \$000	\$24	

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

Res AYTP Mth/y	2,435,160	Alloc Factors
FM Est AYTP Mth/y	4,540	
FM Peak Day as % Res Peak Day	0.19%	
Res Stoorage Costs - Load Balancing \$000	\$7,025	Cost Allocation
Storage Costs - Load Balancing for FM \$000	\$13	

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

FM Est AYTP Mth/y	4,540	
Co Use Trans rate as % of end use	0.000%	Misc Input
CoUse Trans for FM Mth/yr	0	
WACOG \$/dth	\$4.03	Misc Input
Co Use Transmission for FM \$000/yr	\$0	

Incremental UAF for FM \$000/yr:

FM Est AYTP Mth/y	4,540	
UAF rate as % of end use	0.846%	Misc Input
UAF for FM Mth/yr	38	
WACOG \$/dth	\$4.03	Misc Input
UAF for FM \$000/yr	\$15	

Incremental Transport Rev Req w/Sl, w/oFFU \$000/yr	\$335	
FFU Rate	101.76%	Cost Allocation
Incremental Transport Rev Req w/Sl, FFU \$000/yr	\$341	
# FM Customers	5,618	
Additional cost for FM = \$/customer/year	\$61	

**SoCalGas NonCore C&I Distribution Rate Design
2016 TCAP Phase II Rates**

Procedures:

- #1 Calculate # Therms by Tier
#2 Calculation of Proposed Rates:

Results	Rate \$/mo or \$/th	# Customers	AYTP mth/yr	revenue \$000/yr
Customer Charge:	\$350	584		\$2,452
Tier 1 0 to 250 th/mo	\$0.12809		121,573	\$15,573
Tier 2 250 to 4,167 th/mo	\$0.07802		205,061	\$15,998
Tier 3 over 4,167 th/mo	\$0.04598		109,960	\$5,056
Tier 4	\$0.02309		428,508	\$9,895
Total Volumetric	\$0.05378		865,102	\$46,522
Total Volumetric & Customer Charge	\$0.05661		865,102	\$48,974
CSITMA Adder \$/th	0.00221			\$1,897
Total NCCI	\$0.05880		865,102	\$50,871

#1 Calculate # Therms by Tier	2014 NCCI-D excl Refinery usage Mth/yr	2014 NCCI-D Refinery usage Mth/yr	2014 Total NCCI-D Mth/yr	% total	Forecast Volumes Mth/yr	Source
# customers					584	NCCI Detal Alloc
Tier 1	121,642	2,674	124,316	14.1%	121,573	Recorded 2014
Tier 2	202,247	7,442	209,689	23.7%	205,061	Recorded 2014
Tier 3	102,843	9,598	112,441	12.7%	109,960	Recorded 2014
Tier 4	196,075	242,103	438,178	49.5%	428,508	Recorded 2014
	622,807	261,817	884,624	100.0%	865,102	Alloc Factors

#2 Calculation of Proposed 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	Pre-SA Vol Rate \$/th	Pre-SA Vol Rev \$000	Source
Tier 1		121,573	\$0.12141	\$14,760	\$0.00668	\$0.12809	\$15,573	
Tier 2	59%	205,061	\$0.07133	\$14,628	\$0.00668	\$0.07802	\$15,998	
Tier 3	32%	109,960	\$0.03930	\$4,322	\$0.00668	\$0.04598	\$5,056	
Tier 4	14%	428,508	\$0.01641	\$7,032	\$0.00668	\$0.02309	\$9,895	
		<u>865,102</u>		<u>\$40,742</u>		<u>\$0.05378</u>	<u>\$46,522</u>	
Total Allocated Base Margin Costs to NCCI-D				\$43,433				NCCI Detal Alloc
Plus Non-ECPT items				(\$240)				
Amount to be allocated based on current tier difference				\$43,193				
less customer charge revenue:								
# Customers				584				NCCI Detal Alloc
Customer Charge \$/mo				\$350.00				
less customer charge revenue				(\$2,452)				
Target Base Margin portion of Vol Rev \$000 =				\$40,742				
Vol revenue Check should be \$0				\$0				
Total Allocated Costs to NCCI-D				\$50,871				NCCI Detal Alloc
Less CSITMA Adder \$/th				\$1,897				NCCI Detal Alloc
Total Allocated Costs				\$48,974				
Total Allocated Base Margin Costs to NCCI-D				\$43,193				
Total Allocated NonBase Margin Costs to NCCI-D				\$5,780				
Forecast AYTP Mth/yr				865,102				
Volumetric Rate for NonBaseMargin Items \$/th				\$0.00668				

**SoCalGas EG Distribution Rate Design
2016 TCAP Phase II Rates**

Procedure:

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

Summary of EG Distribution Rates:	Pre Sempra Wide Rates			Post Sempra Wide Rates		
	Mth/yr	Rate \$/th	Revenue \$000's	Mth/yr	Rate \$/th	\$000's
EFBA Exempt Rates:						
EG Distribution Tier 1:						
Customer Charge	201	\$50.00	\$121	201	\$50.00	\$121
Volumetric Rate (excl ITCS)	77,207	\$0.10143	\$7,831	77,207	\$0.08420	\$6,500
	77,207	\$0.10299	\$7,952	77,207	\$0.08576	\$6,621
EG Distribution Tier 2						
Customer Charge	26	\$0.00	\$0	26	\$0.00	\$0
Volumetric Rate	23,933	\$0.18851	\$4,511	23,933	\$0.04459	\$1,067
	23,933	\$0.18851	\$4,511	23,933	\$0.04459	\$1,067
EG Distribution EFBA Exempt Customers	101,139	\$0.12323	\$12,463	101,139	\$0.07602	\$7,688
EFBA Non-Exempt Rates:						
EFBA Cost Adder	1,838	\$0.00071	\$1	1,838	0.00071	\$1
EG-Distribution Tier 1 w/EFBA Adder		\$0.10214			0.08490	
EG-Distribution Tier 2 w/EFBA Adder		\$0.18922			0.04530	
Total EG Distribution Level	101,139	\$0.12324	\$12,464	101,139	\$0.07603	\$7,690

Calculation of Pre SempraWide EG-D Rate Excl EFBA	EG-D Tier 1	EG-D Tier 2	Total	Source
AYTP mth/yr	77,207	23,933	101,139	EG-EOR Detail Alloc
Total revenue \$000/yr	\$7,998	\$4,466	\$12,464	EG-EOR Detail Alloc
Less: AB32 Admin Fees	(47)	46	(1)	EG-EOR Detail Alloc
Total revenue net of AB32 Admin Fee \$000/yr	\$7,952	\$4,511	\$12,463	
total rate Incl Cust Chg \$/th	\$0.10299	\$0.18851	\$0.12323	
Customer Charge:				
Total Customers	201	26	227	EG-EOR Detail Alloc
Customer Charge	\$50.00	\$0.00		
Customer Charge Rev \$000/yr	\$121	\$0	\$121	
Volumetric Rate:				
Total revenue \$000/yr	\$7,952	\$4,511	\$12,463	
Less Customer Charge \$000/yr	\$121	\$0	\$121	
Volumetric Revenue \$000/yr	\$7,831	\$4,511	\$12,342	
Volumetric Rate /th	\$0.10143	\$0.18851	\$0.12203	

Calculation of Post SW EG Tier 1 Rates:	SCG	SDGE (*)	Combined	Source
Calculate average Tier 1 Rate:				
Pre-SW Tier 1 revenue w/FFU \$000/yr	\$7,952	\$316	\$8,268	SDGE RD Model/EG-D Rates
Less Customer Charge Revenue w/FFU \$000	\$121	\$28	\$148	SDGE RD Model/EG-D Rates
Pre-SW Tier 1 Volumetric revenue w/FFU \$000/yr	\$7,831	\$289	\$8,120	
FFU rate	101.76%	102.33%		Misc Input/ SDGE RD Model
Pre-SW Tier 1 revenue w/o FFU \$000/yr	\$7,814	\$309	\$8,123	SDGE RD Model/EG-D Rates
Less Customer Charge Revenue w/o FFU \$000	\$119	\$27	\$146	SDGE RD Model/EG-D Rates
Pre-SW Tier 1 Volumetric revenue w/o FFU \$000/yr	\$7,695	\$282	\$7,977	
AYTP Mth/yr	77,207	19,210	96,417	SDGE RD Model/EG-D Rates
average SW Tier 1 rate w/o FFU \$/th			\$0.08274	
Calculate Post-SW Revenue w/o FFU:				
AYTP Mth/yr	77,207	19,210	96,417	SDGE RD Model/EG-D Rates
Post SW Tier 1 Volumetric rate w/o FFU \$/th	\$0.08274	\$0.08274	\$0.08274	
Post-SW Tier 1 Volumetric Revenue w/o FFU \$000	\$6,388	\$1,589	\$7,977	
Plus Customer Charge Revenue w/o FFU \$000	\$119	\$27	\$146	
Post-SW Tier 1 Revenue w/o FFU \$000	\$6,506	\$1,616	\$8,123	
Pre-SW Tier 1 revenue w/o FFU \$000/yr	\$7,814	\$309	\$8,123	
Tier 1 SW Adjustment w/o FFU \$000	(\$1,307)	\$1,307	\$0	
Calculate Post-SW Revenue w/FFU:				
AYTP Mth/yr	77,207	19,210	96,417	
Post SW Tier 1 Volumetric rate w/FFU \$/th	\$0.08420	\$0.08467	\$0.08429	
Post-SW Tier 1 Volumetric Revenue w/FFU \$000	\$6,500	\$1,626	\$8,127	
Plus Customer Charge Revenue w/FFU \$000	\$121	\$28	\$148	
Post-SW Tier 1 Revenue w/FFU \$000	\$6,621	\$1,654	\$8,275	
Pre-SW Tier 1 revenue w/FFU \$000/yr	\$7,952	\$316	\$8,268	
Tier 1 SW Adjustment w/FFU \$000	(\$1,330)	\$1,338	\$7	

Calculation of Post SW EG Tier 2 Rates:	SCG	SDGE (*)	Combined	Source
Calculate average Tier 2 Rate:				
Pre-SW Tier 2 revenue w/FFU \$000/yr	\$4,511	(\$29)	\$4,483	SDGE RD Model/EG-D Rates
FFU rate	101.76%	102.33%		Misc Input/ SDGE RD Model
Pre-SW Tier 2 revenue w/oFFU \$000/yr	\$4,433	(\$28)	\$4,405	
AYTP Mth/yr	23,933	76,596	100,529	SDGE RD Model/EG-D Rates
average SW Tier 2 rate w/oFFU \$/th			\$0.04382	
Calculate Post-SW Revenue w/oFFU:				
AYTP Mth/yr	23,933	76,596	100,529	
Post SW Tier 2 rate w/o FFU \$/th	\$0.04382	\$0.04382	\$0.04382	
Post-SW Tier 2 Revenue w/o FFU \$000	\$1,049	\$3,357	\$4,405	
Pre-SW Tier 2 revenue w/oFFU \$000/yr	\$4,433	(\$28)	\$4,405	
Tier 2 SW Adjustment w/o FFU \$000	(\$3,385)	\$3,385	\$0	
Calculate Post-SW Revenue w/FFU:				
AYTP Mth/yr	23,933	76,596	100,529	
Post SW Tier 2 rate w/ FFU \$/th	\$0.04459	\$0.04484	\$0.04479	
Post-SW Tier 2 Revenue w/ FFU \$000	\$1,067	\$3,435	\$4,502	
Pre-SW Tier 2 revenue w/ FFU \$000/yr	\$4,511	(\$29)	\$4,483	
Tier 2 SW Adjustment w/ FFU \$000	(\$3,444)	\$3,464	\$19	

EFBA amounts \$000:				
EG-D Tier 1	\$47	(\$1)	\$46	RUN
EG-D Tier 2	(\$46)	(\$3)	(\$48)	RUN
Total EG-D Cost Adders for EFBA	\$1	(\$4)	(\$2)	

SUMMARY of Pre & Post SW revenue & rates w/FFU:			
Pre SW Total Revenue Tier 1 & 2 w/FFU \$000	\$12,464	\$284	\$12,751
Post SW Total Revenue Tier 1 & 2 w/FFU \$000	\$7,690	\$5,086	\$12,778
Total SW Adjustment w/FFU \$000	(\$4,775)	\$4,801	\$27
Total AYTP Mth/yr	101,139	95,807	196,946
Pre SW Average Rate w/FFU \$/th	\$0.12324	\$0.00297	\$0.06474
Post SW Average Rate w/FFU \$/th	\$0.07603	\$0.05308	\$0.06488

**SoCalGas Transmission Level Service ("TLS") Rate Design (SFV, Volumetric & Usage rates)
2016 TCAP Phase II Rates**

Procedure:

- #1 Calculate Total Revenue Requirement of TLS customers excluding EFBA Fee
 #2a Calculate Usage Rate CA Rate
 #3 Calculate TLS SFV Rate:
 #4 Calculate Class Average Volumetric Rate
 #6 Calculate TLS Revenue
 #7 Verify Revenue Collections:

#1 Calculate Total Revenue Requirement of TLS customers excluding EFBA Fee

	SCG NCCI-		SCG Whole		Total SCG	SDGE	SDGE EG-T	Total	Total SEU
	T (1)	SCG EG-T (2)	SCG EOR- T (3)	Sale Excl SDGE (4)	SCG DGN (5)	Noncore T	NCCI-T (6)	SDGE Noncore T	Trans \$000
Total Allocated Base Margin w/Sl, FFU w/o FAR, TLS	\$6,282	\$28,156		\$4,145	\$900	\$39,483	\$174	\$3,410	\$43,066
Other Operating Costs and Revenues	\$1,827	\$5,481		\$437	\$171	\$7,916	\$173	\$5,475	\$13,563
Regulatory Accounts	\$4,003	\$9,077		\$841	\$326	\$14,246	(\$369)	(\$11,078)	\$2,799
less CSITMA adder costs	(\$1,448)	\$0		\$0	\$0	(\$1,448)	(\$19)	(\$19)	(\$1,467)
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/o BBT, w/ FFU \$000/yr	\$10,664	\$42,714	\$0	\$5,422	\$1,397	\$60,197	(\$42)	(\$2,194)	\$57,962
EOR Credit to Ratepayers \$000	(\$40)	(\$181)		(\$27)	(\$6)	(\$254)	\$0	\$0	(\$254)
Removal of Costs from EOR Class \$000	\$20	\$90		\$13	\$3	\$127	\$0	\$0	\$127
Gas Engine Rate CAP adjustment	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0
Total Rev Req w/Sl, FFU w/o FAR, SW, TLS	\$10,644	\$42,623		\$5,409	\$1,394	\$60,070	(\$42)	(\$2,194)	\$57,834
Less: AB32 Admin Fees	(\$467)	(\$522)		\$0	\$0	(\$989)	\$1	\$4	(\$985)
Total Rev Req w/Sl, FFU w/o FAR, SW, TLS, w/o EFMA	\$10,176	\$42,101	\$0	\$5,409	\$1,394	\$59,080	(\$41)	(\$2,190)	\$56,849
AYTP of TLS customers Mth/yr (8)	660,238	2,576,656		234,024	91,378	3,562,296	17,168	574,075	4,153,539
average TLS rate \$/th									\$0.01369
Remove FFU:									
FFU Rate (9)	101.76%	101.76%		101.48%	101.48%		102.33%	102.33%	
Allocated Base Margin w/oFFU	\$6,173	\$27,668		\$4,084	\$887	\$38,813	\$170	\$3,332	\$42,314
Total Rev Req w/Sl, w/o FFU, FAR, SW, TLS	\$10,000	\$41,372		\$5,330	\$1,373	\$58,075	(\$40)	(\$2,140)	\$55,895

#2 Calculation of Class Average TLS rate & Revenue w/FFU & W/out EFBA Adder:

	SCG NCCI-T (1)	SCG EG-T (2)	SCG EOR-T (3)	SCG Whole Sale Excl SDGE (4)	SCG DGN (5)	Total SCG Noncore T	SDGE NCCI-T (6)	SDGE EG-T (7)	Total SDGE Noncore T	Total SEU Trans \$000
Total Rev Req w/SI, FFU w/o FAR, SW, TLS										\$57,834
AYTP of TLS customers Mth/yr (8)	660,238	2,576,656		234,024	91,378	3,562,296	17,168	574,075	591,243	4,153,539
average TLS rate \$/th	\$0.01392	\$0.01392		\$0.01392	\$0.01392	\$0.01392	\$0.01392	\$0.01392	\$0.01392	\$0.01392
Total Rev Req w/SI, FFU w/o FAR, SW, TLS	\$9,193	\$35,877		\$3,259	\$1,272	\$49,601	\$239	\$7,993	\$8,232	\$57,834
allocated costs excl EFBA										\$56,849
AYTP of TLS customers Mth/yr (8)	660,238	2,576,656		234,024	91,378	3,562,296	17,168	574,075	591,243	4,153,539
EFBA adder	\$0.01369	\$0.01369		\$0.01369	\$0.01369	\$0.01369	\$0.01369	\$0.01369	\$0.01369	\$0.01369
	\$9,037	\$35,267		\$3,203	\$1,251	\$48,757	\$235	\$7,857	\$8,092	\$56,849
Class Average:										
allocated cost excl EFBA	\$9,037	\$35,267		\$3,203	\$1,251	\$48,757	\$235	\$7,857	\$8,092	\$56,849
AYTP of TLS customers Mth/yr (8)	660,238	2,576,656		234,024	91,378	3,562,296	17,168	574,075	591,243	4,153,539
class average TLS	\$0.01369	\$0.01369		\$0.01369	\$0.01369	\$0.01369	\$0.01369	\$0.01369	\$0.01369	\$0.01369
Pre-SW TLS	\$10,176	\$42,101		\$5,409	\$1,394	\$59,080	(\$41)	(\$2,190)	(\$2,231)	\$56,849
Post SW TLS	\$9,037	\$35,267		\$3,203	\$1,251	\$48,757	\$235	\$7,857	\$8,092	\$56,849
SW TLS Adjustment	(\$1,139)	(\$6,835)		(\$2,206)	(\$143)	(\$10,323)	\$276	\$10,047	\$10,323	\$0

#2a Calculate Usage Rate CA Rate

Usage Rate for CA = all NonBaseMargin costs / AYTP

	SCG NCCI-T (1)	SCG EG-T (2)	SCG EOR-T (3)	SCG Whole Sale Excl SDGE (4)	SCG DGN (5)	Total SCG Noncore T	SDGE NCCI-T (6)	SDGE EG-T (7)	Total SDGE Noncore T	Total SEU Trans \$000
Total Rev Req w/SI, w/o FFU, FAR, SW, TLS										\$55,895
less Allocated Base Margin w/o FFU										(\$42,314)
NonBaseMargin items Only w/o FFU \$000										\$13,581
AYTP of TLS customers Mth/yr (8)	660,238	2,576,656		234,024	91,378	3,562,296	17,168	574,075	591,243	4,153,539
Usage Rate for NonBase Margin Items w/o FFU \$/th	\$0.00327	\$0.00327		\$0.00327	\$0.00327		\$0.00327	\$0.00327		\$0.00327
Usage Rate NonBase Margin Items w/ FFU \$/th	\$0.00333	\$0.00333	\$0.00333	\$0.00332	\$0.00332		\$0.00335	\$0.00335		

#2b Calculate Usage Rate RS Rate

Usage Rate for RS = (all NonBaseMargin costs) / AYTP

	SCG NCCI-T (1)	SCG EG-T (2)	SCG EOR-T (3)	SCG Whole Sale Excl SDGE (4)	SCG DGN (5)	Total SCG Noncore T	SDGE NCCI-T (6)	SDGE EG-T (7)	Total SDGE Noncore T	Total SEU Trans \$000
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Calculation of Usage Rate for RS:

Total Rev Req w/SI, w/o FFU, FAR, SW, TLS									\$55,895	
less Allocated Base Margin w/o FFU									(\$42,314)	
less Allocated ITBA Base Margin w/o FFU									\$0	
NonBaseMargin items Only w/o FFU \$000									\$13,581	
AYTP of TLS customers Mth/yr (8)	660,238	2,576,656		234,024	91,378	3,562,296	17,168	574,075	591,243	4,153,539
Usage Rate for NonBase Margin Items w/o FFU \$/th	\$0.00327	\$0.00327		\$0.00327	\$0.00327		\$0.00327	\$0.00327		\$0.00327
Usage Rate NonBase Margin Items w/ FFU \$/th	\$0.00333	\$0.00333	\$0.00333	\$0.00332	\$0.00332		\$0.00335	\$0.00335		

#3 Calculate TLS SFV Rate:	SCG NCCI- T (1)	SCG EG-T (2)	SCG EOR- T (3)	SCG Whole Sale Excl SDGE (4)	SCG DGN (5)	Total SCG Noncore T	SDGE NCCI-T (6)	SDGE EG-T (7)	Total SDGE Noncore T	Total SEU Trans \$000
<i>Capacity used to determine reservation rate = noncore-T plus portion of remaining capacity.</i>										
<i>Remaining capacity = system - core - noncore-D - noncore-T multiplied by (noncore-t / core+noncore-D+noncore-T)</i>										
System capacity mmcf										6,000
Mbtu/mcf										1,030
System capacity Mth/day										61,800
<u>Core, Noncore Distribution & Noncore-T peak day demand:</u>										
SCG Core Mth/day:										
Core peak day average										2,855
Mbtu/mcf										1,030
SCG Core Mth/d										30,577
SDGE Core Mth/day:										
average										366
Mbtu/mcf										1,020
SDG&E Core Mth/d										3,859
SCG Noncore Distribution Mth/day										3,508
less EG-D treated as TLS										(563)
SDGE Noncore Distribution Mth/day										348
NonCore-T Peak Day Demand Mth/day (8)	1,826	9,025		1,310	248	12,410	49	1,987	2,036	14,445
Core, Noncore-D & Noncore-T Peak day demand Mth/day										52,174
<u>Portion of Remaining Capacity to be used:</u>										
System capacity Mth/day										61,800
Core & Noncore Distribution capacity Mth/day										52,174
remaining capacity Mth/day										9,626
% of remaining capacity to be used to set reservation rate:										
NonCore-T Peak Day Demand Mth/day										14,445
Core & Noncore Distribution capacity Mth/day										52,174
% to be used to set reservation rate										28%
amount of remaining capacity to be used to set reservation rate Mth/day										2,665
Capacity used to set reservation rate:										
NonCore-T Peak Day Demand Mth/day										14,445
amount of remaining capacity to be used to set reservation rate Mth/day										2,665
Capacity used to set reservation rate Mth/day										17,111
Total Allocated Base Margin w/Sl, w/o FFU, FAR, TLS \$000										\$42,314
SEU TLS SFV Rate w/o FFU \$/th/day										\$0.00678
FFU Rate (9)	101.76%	101.76%		101.48%	101.48%		102.33%	102.33%		
SEU TLS SFV Rate w/ FFU \$/th/day	\$0.00689	\$0.00689	\$0.00689	\$0.00688	\$0.00688		\$0.00693	\$0.00693		

#4 Calculate Class Average Volumetric Rate

	SCG NCCI-		SCG EOR-		SCG Whole		Total SCG	SDGE	SDGE EG-T	Total	Total SEU
	T (1)	SCG EG-T (2)	T (3)	Sale Excl	SCG DGN (5)	Noncore T	NCCI-T (6)	(7)	SDGE	Noncore T	Trans \$000
Total Allocated Base Margin w/SI, w/o FFU, FAR, TLS \$000											\$42,314
Total AYTP of TLS customers Mth/yr											4,153,539
SEU TLS Long Term Volumetric Rate w/o FFU \$/th											\$0.01019
FFU Rate (9)	101.76%	101.76%		101.48%	101.48%			102.33%	102.33%		
TLS Class Average Volumetric Rate w/ FFU \$/th	\$0.01037	\$0.01037	\$0.01037	\$0.01034	\$0.01034			\$0.01043	\$0.01043		

#5 Calculate 115% & 135% Volumetric Rates

	SCG NCCI-		SCG EOR-		SCG Whole		Total SCG	SDGE	SDGE EG-T	Total	Total SEU
	T (1)	SCG EG-T (2)	T (3)	Sale Excl	SCG DGN (5)	Noncore T	NCCI-T (6)	(7)	SDGE	Noncore T	Trans \$000
Class Average Volumetric Rate \$/th w/FFU	\$0.01037	\$0.01037	\$0.01037	\$0.01034	\$0.01034			\$0.01043	\$0.01043		
Usage Rate \$/th	\$0.00333	\$0.00333	\$0.00333	\$0.00332	\$0.00332			\$0.00335	\$0.00335		
Class Average Volumetric Rate \$/th w/FFU	\$0.01369	\$0.01369	\$0.01369	\$0.01366	\$0.01366			\$0.01377	\$0.01377		
% of Class Average Vol \$/th w/FFU	115.0%	\$0.01575	\$0.01575	\$0.01570	\$0.01570			\$0.01584	\$0.01584		
% of Class Average Vol \$/th w/FFU	135.0%	\$0.01849	\$0.01849	\$0.01844	\$0.01844			\$0.01859	\$0.01859		

Source

- | | | |
|---|---|--|
| (1) NCCI-T = NCCI Detail Alloc | (5) DGN = Cost Alloc | (9) SCG FFU = Misc Input; SDGE FFU = RUN |
| (2) EG-T = EG Detail Alloc | (6) SDGE NCCI-T = NCCI-T Detail Alloc in SDGE model | |
| (3) EOR-T = n/a | (7) SDGE EG-T = EG-T Detail Alloc in SDGE model | |
| (4) Wholesale excluding SDGE = Cost Alloc | (8) Alloc Factors/SDGE RD Model Alloc Factors | |

#6 Calculate TLS Revenue

	# Cust (1)	Total TLS Mth/ yr	Total TLS Mth/yr	Average TLS Rate \$/th	Total TLS Revenue	Source
SCG:						
EG-T Tier 1	15	2,000.5	20,005	\$0.01369	\$274	Aloc Factors
EG-T Tier 2	42	255,665.0	2,556,650	\$0.01369	\$34,993	EG-Detail Alloc
EOR-T	12	9,395.0	93,950	\$0.01369	\$1,286	Aloc Factors
NCCI-T	38	66,023.8	660,238	\$0.01369	\$9,037	Aloc Factors
DGN	1	9,137.8	91,378	\$0.01369	\$1,251	Aloc Factors
Vernon	1	9,513.7	95,137	\$0.01369	\$1,302	Aloc Factors
Long Beach	1	7,352.0	73,520	\$0.01369	\$1,006	Aloc Factors
SWG	1	6,536.7	65,367	\$0.01369	\$895	Aloc Factors
SCG Total Incl EOR	111	365,624.5	3,656,245	\$0.01369	\$50,043	
SCG Total Exclude EOR	99	356,229.6	3,562,296	\$0.01369	\$48,757	
SDGE:						
NCCI-T	10	1,716.8	17,168	\$0.01369	\$235	SDGE RD-Alloc Factors
EG-T Tier 1	5	207.1	2,071	\$0.01369	\$28	SDGE RD-Alloc Factors
EG-T Tier 2	13	57,200.4	572,004	\$0.01369	\$7,829	SDGE RD-Alloc Factors
SDGE Total	27	59,124.3	591,243	\$0.01369	\$8,092	
SEU Total (ex EOR)	126	415,353.9	4,153,539	\$0.01369	\$56,849	

#7 Verify Revenue Collections:

Total TLS Costs	\$56,849
TLS AYTP Mth/yr	4,153,539
Average TLS Rate \$/th	\$0.01369

Calculation of average VOL rate w/FFU:

Mth/yr	4,153,539
VOL Revenue w/FFU \$000	\$43,066
Avg Vol Rate w/FFU \$/th	\$0.01037

Calculation of average Usage rate w/FFU:

Mth/yr	4,153,539
VOL Usage Revenue w/FFU \$000	\$13,783
Avg Usage Rate w/FFU \$/th	\$0.00332

Calculation of average Reservation rate w/FFU:

Capacity Basis Mth/day	17,111
Reservation Costs w/FFU \$000	\$43,066
Avg Reservation Rate w/FFU \$/th/day	\$0.00690

Open Season Scenarios and impact on over (under) collections of TLS Revenue:

	All Volumetric	75% Vol and Capacity Required	50% Vol and Capacity Required	25% Vol and Capacity Required	0% Vol; All Reserved	0% Vol; Reserve Peak Day	Vol required if Reserve Peak Day
Volumetric Rate sold in Open Season: Volumes sold in Open Season Mth/yr	4,153,539	3,115,154	2,076,769	1,038,385	0	0	646,976
Vol Rate \$/th	\$0.01037	\$0.01037	\$0.01037	\$0.01037	\$0.01037	\$0.01037	\$0.01037
VOL Revenue w/FFU \$000	\$43,066	\$32,300	\$21,533	\$10,767	\$0	\$0	\$6,708
Vol Usage Rate \$/th	\$0.00332	\$0.00332	\$0.00332	\$0.00332	\$0.00332	\$0.00332	\$0.00332
Mth/yr	4,153,539	3,115,154	2,076,769	1,038,385	0	0	646,976
VOL Usage Revenue w/FFU \$000	\$13,783	\$10,337	\$6,891	\$3,446	\$0	\$0	\$2,147
Capacity Reserved in Open Season: Capacity sold in Open Season Mth/day	0	3,753	7,506	11,259	17,111	14,445	14,445
Reservation Rate \$/th/d	\$0.00690	\$0.00690	\$0.00690	\$0.00690	\$0.00690	\$0.00690	\$0.00690
Reservation Revenue w/FFU \$000	\$0	\$9,446	\$18,893	\$28,339	\$43,066	\$36,358	\$36,358
Usage Mth/yr (a)	0	911,053	1,822,107	2,733,160	4,153,539	3,506,563	3,506,563
FRS Usage Rate \$/th	\$0.00332	\$0.00332	\$0.00332	\$0.00332	\$0.00332	\$0.00332	\$0.00332
FRS Usage Revenue w/FFU \$000	\$0	\$3,023	\$6,046	\$9,070	\$13,783	\$11,636	\$11,636
Total TLS Revenue Collected \$000	\$56,849	\$55,107	\$53,364	\$51,621	\$56,849	\$47,994	\$56,849
Total costs allocated to TLS \$000	\$56,849	\$56,849	\$56,849	\$56,849	\$56,849	\$56,849	\$56,849
<i>difference</i>	\$0	(\$1,743)	(\$3,486)	(\$5,228)	\$0	(\$8,855)	\$0

(a) Usage Rate = th per mth reserved

TLS AYTP Mth/y	4,153,539
TLS Capacity Mth/day	17,111
Usage Rate = th/ mth reserved	243

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Res	Core C&I	NR A/C
Base Margin Costs:			
Customer Cost w/o SA \$000	\$794,135	\$106,360	\$40
Medium Pressure Distribution Costs	\$465,746	\$112,078	\$20
High Pressure Distribution Costs	\$80,392	\$24,184	\$10
Backbone Transmission Costs	\$29,479	\$11,880	\$9
Local Transmission Costs	\$18,540	\$5,627	\$2
Storage - Seasonal	\$36,267	\$10,379	\$0
Storage - Load Balancing	\$2,193	\$923	\$1
Storage - TBS	\$0	\$0	\$0
Non-DSM Related Marketing	\$34,197	\$17,397	\$0
Uncollectibles	\$3,618	\$715	\$0
NGV Compression Costs:	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$1,464,567	\$289,543	\$83
Less Backbone Transmission Costs	(\$29,479)	(\$11,880)	(\$9)
Less Local Transmission Costs	(\$18,540)	(\$5,627)	(\$2)
Plus Local Transmission Costs w/SI, FFU	\$18,574	\$5,637	\$2
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,435,121	\$277,673	\$74

Other Operating Costs and Revenues	<i>Non-ECPT?</i>	Add FFU Y or N?	Amount to Allocate (w/o F&U)			
AB32 Fees (subtracted from base margin and allocated here)		Y	\$5,188	\$2,043	\$860	\$1
Aliso Canyon Turbine Replacement (ACTR)		Y	\$0	\$0	\$0	\$0
n/a						
Company Use Gas: Other		Y	\$766	\$187	\$79	\$0
Company Use Gas: Storage Load Balancing		N	\$1,248	\$299	\$126	\$0
AMI	Y	Y	\$113,636	\$110,161	\$5,454	\$0
Exchange Revenues & Interutility Transactions		N	\$23	\$6	\$2	\$0
Fuel Cell Equipment Revenues	Y	Y	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards		Y	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas		Y	\$31,790	\$15,533	\$6,540	\$5
n/a						
Well Incidents & Surface Leaks		Y	\$273	\$68	\$29	\$0

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core
Base Margin Costs:								
Customer Cost w/o SA \$000	\$1,528	\$934	\$902,997	\$15,467	\$3,492	\$6,380	\$1,086	\$26,426
Medium Pressure Distribution Costs	\$339	\$1,881	\$580,063	\$18,238	\$1,378	\$1,586	\$8	\$21,211
High Pressure Distribution Costs	\$143	\$1,390	\$106,119	\$14,521	\$642	\$7,942	\$1,923	\$25,028
Backbone Transmission Costs	\$193	\$1,350	\$42,913	\$17,875	\$799	\$33,471	\$2,349	\$54,494
Local Transmission Costs	\$35	\$463	\$24,667	\$6,018	\$207	\$10,264	\$828	\$17,317
Storage - Seasonal	\$0	\$376	\$47,021	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$16	\$110	\$3,243	\$1,726	\$77	\$3,240	\$227	\$5,270
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-DSM Related Marketing	\$5	\$3,432	\$55,030	\$339	\$96	\$1,433	\$930	\$2,798
Uncollectibles	\$6	\$25	\$4,363	\$182	\$20	\$158	\$0	\$360
NGV Compression Costs:	\$0	\$1,330	\$1,330	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$2,264	\$11,290	\$1,767,747	\$74,366	\$6,712	\$64,474	\$7,353	\$152,905
Less Backbone Transmission Costs	(\$193)	(\$1,350)	(\$42,913)	(\$17,875)	(\$799)	(\$33,471)	(\$2,349)	(\$54,494)
Less Local Transmission Costs	(\$35)	(\$463)	(\$24,667)	(\$6,018)	(\$207)	(\$10,264)	(\$828)	(\$17,317)
Plus Local Transmission Costs w/SI, FFU	\$35	\$464	\$24,711	\$6,029	\$208	\$10,282	\$829	\$17,349
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$2,071	\$9,940	\$1,724,879	\$56,502	\$5,914	\$31,022	\$5,005	\$98,442

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$15	\$102	\$3,021	\$1,353	\$40	\$866	\$0	\$2,258
Aliso Canyon Turbine Replacement (ACTR)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a								
Company Use Gas: Other	\$1	\$9	\$276	\$124	\$6	\$232	\$16	\$377
Company Use Gas: Storage Load Balancing	\$2	\$15	\$443	\$198	\$9	\$372	\$26	\$605
AMI	\$20	\$4	\$115,640	\$0	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$0	\$0	\$9	\$4	\$0	\$7	\$0	\$11
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$111	\$779	\$22,969	\$2,308	\$103	\$4,332	\$299	\$7,042
n/a								
Well Incidents & Surface Leaks	\$0	\$3	\$101	\$45	\$2	\$85	\$0	\$132

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
Base Margin Costs:								
Customer Cost w/o SA \$000	\$389	\$656	\$353	\$193	\$1,592	\$95	\$0	\$28,113
Medium Pressure Distribution Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,211
High Pressure Distribution Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,028
Backbone Transmission Costs	\$1,127	\$14,864	\$836	\$1,013	\$17,840	\$806	\$0	\$73,140
Local Transmission Costs	\$555	\$6,677	\$537	\$407	\$8,176	\$259	\$0	\$25,753
Storage - Seasonal	\$0	\$5,814	\$0	\$0	\$5,814	\$0	\$0	\$5,814
Storage - Load Balancing	\$104	\$1,391	\$75	\$98	\$1,668	\$78	\$0	\$7,016
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$26,476	\$26,476
Non-DSM Related Marketing	\$257	\$244	\$282	\$208	\$992	\$114	\$0	\$3,903
Uncollectibles	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$360
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbndle w/FFU	\$2,432	\$29,646	\$2,084	\$1,920	\$36,081	\$1,352	\$26,476	\$216,814
Less Backbone Transmission Costs	(\$1,127)	(\$14,864)	(\$836)	(\$1,013)	(\$17,840)	(\$806)	\$0	(\$73,140)
Less Local Transmission Costs	(\$555)	(\$6,677)	(\$537)	(\$407)	(\$8,176)	(\$259)	\$0	(\$25,753)
Plus Local Transmission Costs w/SI, FFU	\$556	\$0	\$538	\$408	\$1,502	\$260	\$0	\$19,111
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,306	\$8,105	\$1,249	\$908	\$11,567	\$547	\$26,476	\$137,032

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,258
Aliso Canyon Turbine Replacement (ACTR)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
n/a								
Company Use Gas: Other	\$7	\$99	\$5	\$7	\$119	\$6	\$0	\$502
Company Use Gas: Storage Load Balancing	\$12	\$160	\$9	\$11	\$192	\$9	\$0	\$806
AMI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$0	\$3	\$0	\$0	\$4	\$0	\$0	\$14
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$138	\$1,855	\$100	\$131	\$2,224	\$104	\$0	\$9,370
n/a								
Well Incidents & Surface Leaks	\$3	\$36	\$2	\$3	\$43	\$2	\$0	\$177

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Total System \$000	Source	Allocation
Base Margin Costs:			
Customer Cost w/o SA \$000	\$931,110	CA Model	
Medium Pressure Distribution Costs	\$601,274	CA Model	
High Pressure Distribution Costs	\$131,148	CA Model	
Backbone Transmission Costs	\$116,052	CA Model	
Local Transmission Costs	\$50,420	CA Model	
Storage - Seasonal	\$52,836	CA Model	
Storage - Load Balancing	\$10,260	CA Model	
Storage - TBS	\$26,476	CA Model	
Non-DSM Related Marketing	\$58,934	CA Model	
Uncollectibles	\$4,723	CA Model	
NGV Compression Costs:	\$1,330	CA Model	
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$1,984,561		
Less Backbone Transmission Costs	(\$116,052)		
Less Local Transmission Costs	(\$50,420)		
Plus Local Transmission Costs w/SI, FFU	\$43,822	SI & FAR	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,861,911		

Other Operating Costs and Revenues		F&U Amount \$000	Allocated \$000		
AB32 Fees (subtracted from base margin and allocated here)	\$5,280	\$92	\$5,188	Misc Input	ECPT AB32 Fee Non-Exempt
Aliso Canyon Turbine Replacement (ACTR)	\$0	\$0	\$0	Cost Allocation	Post-Replacement Allocator
n/a					
Company Use Gas: Other	\$778	\$13	\$766	Misc Input	ECPT Incl EOR
Company Use Gas: Storage Load Balancing	\$1,248	\$0	\$1,248	Misc Input	ECPT Incl EOR
AMI	\$115,640	\$2,004	\$113,636	AMI Decision	Core Avg Meter Count 2009-2015
Exchange Revenues & Interutility Transactions	\$23	\$0	\$23	Deamnd FC 1/14/2008	CYTP ExEOR
Fuel Cell Equipment Revenues	\$0	\$0	\$0	Mkt Dept 1/22/2008	EPAM ExEOR
Marketing: DSM Program Awards	\$0	\$0	\$0	2008RD Model	Core ECPT
Unaccounted For (UAF) Gas	\$32,339	\$549	\$31,790	Misc Input	Method #2 - 71% core @ ECPT / 29% n
n/a					
Well Incidents & Surface Leaks	\$278	\$5	\$273	Misc Input	Allocate Core=Storage Inv NonCore=L

SoCalGas Cost Allocation

Allocation %

January, 2015 Rates

COST COMPONENTS \$000's	Total System	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG <3 mmth /yr
Base Margin Costs:									
Customer Cost w/o SA \$000									
Medium Pressure Distribution Costs									
High Pressure Distribution Costs									
Backbone Transmission Costs									
Local Transmission Costs									
Storage - Seasonal									
Storage - Load Balancing									
Storage - TBS									
Non-DSM Related Marketing									
Uncollectibles									
NGV Compression Costs:									
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Less Backbone Transmission Costs									
Less Local Transmission Costs									
Plus Local Transmission Costs w/SI, FFU									
<hr/>									
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU									

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	100.0%	38.7%	16.3%	0.0%	0.3%	1.9%	57.2%	25.6%	0.8%
Aliso Canyon Turbine Replacement (ACTR)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
n/a									
Company Use Gas: Other	100.0%	24.0%	10.1%	0.0%	0.2%	1.2%	35.5%	15.9%	0.7%
Company Use Gas: Storage Load Balancing	100.0%	24.0%	10.1%	0.0%	0.2%	1.2%	35.5%	15.9%	0.7%
AMI	100.0%	95.3%	4.7%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
Exchange Revenues & Interutility Transactions	100.0%	25.9%	10.4%	0.0%	0.2%	1.2%	37.7%	15.7%	0.7%
Fuel Cell Equipment Revenues	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Marketing: DSM Program Awards	100.0%	67.6%	28.5%	0.0%	0.5%	3.4%	100.0%	0.0%	0.0%
Unaccounted For (UAF) Gas	100.0%	48.0%	20.2%	0.0%	0.3%	2.4%	71.0%	7.1%	0.3%
n/a									
Well Incidents & Surface Leaks	100.0%	24.5%	10.3%	0.0%	0.2%	1.2%	36.2%	16.2%	0.7%

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	EG>=3 mmth /yr	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN
Base Margin Costs:									
Customer Cost w/o SA \$000									
Medium Pressure Distribution Costs									
High Pressure Distribution Costs									
Backbone Transmission Costs									
Local Transmission Costs									
Storage - Seasonal									
Storage - Load Balancing									
Storage - TBS									
Non-DSM Related Marketing									
Uncollectibles									
NGV Compression Costs:									
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Less Backbone Transmission Costs									
Less Local Transmission Costs									
Plus Local Transmission Costs w/SI, FFU									
<hr/> <hr/> Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU <hr/> <hr/>									

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	16.4%	0.0%	42.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Aliso Canyon Turbine Replacement (ACTR)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
n/a									
Company Use Gas: Other	29.8%	2.1%	48.5%	1.0%	12.8%	0.7%	0.9%	15.3%	0.7%
Company Use Gas: Storage Load Balancing	29.8%	2.1%	48.5%	1.0%	12.8%	0.7%	0.9%	15.3%	0.7%
AMI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Exchange Revenues & Interutility Transactions	29.4%	0.0%	45.9%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%
Fuel Cell Equipment Revenues	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Marketing: DSM Program Awards	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unaccounted For (UAF) Gas	13.4%	0.9%	21.8%	0.4%	5.7%	0.3%	0.4%	6.9%	0.3%
n/a									
Well Incidents & Surface Leaks	30.4%	0.0%	47.4%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	TBS	Total Non Core
Base Margin Costs:		
Customer Cost w/o SA \$000		
Medium Pressure Distribution Costs		
High Pressure Distribution Costs		
Backbone Transmission Costs		
Local Transmission Costs		
Storage - Seasonal		
Storage - Load Balancing		
Storage - TBS		
Non-DSM Related Marketing		
Uncollectibles		
NGV Compression Costs:		
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU		
Less Backbone Transmission Costs		
Less Local Transmission Costs		
Plus Local Transmission Costs w/SI, FFU		
<hr/> <hr/>		
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU		

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	0.0%	42.8%
Aliso Canyon Turbine Replacement (ACTR)	0.0%	0.0%
n/a		
Company Use Gas: Other	0.0%	64.5%
Company Use Gas: Storage Load Balancing	0.0%	64.5%
AMI	0.0%	0.0%
Exchange Revenues & Interutility Transactions	0.0%	62.3%
Fuel Cell Equipment Revenues	0.0%	5.8%
Marketing: DSM Program Awards	0.0%	0.0%
Unaccounted For (UAF) Gas	0.0%	29.0%
n/a		
Well Incidents & Surface Leaks	0.0%	63.8%

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's		Res	Core C&I	NR A/C		
Subtotal Other Operating Costs and Revenues		\$152,924	\$128,298	\$13,090	\$7	
Regulatory Accounts						
Affiliate Transfer Fee Account (ATFA)	Y	Y	(\$115)	(\$92)	(\$18)	(\$0)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	Y	Y	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)		Y	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)		Y	(\$764)	(\$73)	(\$700)	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Y	N	\$49,495	\$38,806	\$7,508	\$2
GRCRRMA Sub allocation for AB32 Admin Fees		N	\$2,491	\$964	\$406	\$0
Firm Access & Storage Rights Memorandum Account (FARSMA)		Y	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)		Y	\$124,604	\$85,754	\$36,102	\$30
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)		Y	\$856	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)		Y	\$10,339	\$4,082	\$2,393	\$2
Enhanced Oil Recovery Account (EORA)	Y	Y	(\$2,127)	(\$1,634)	(\$316)	(\$0)
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	Y	Y	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)		Y	\$2,714	\$676	\$285	\$0
Honor Rancho Storage Memorandum Account (HRSMA)	Y	Y	\$0	\$0	\$0	\$0
Intervenor Award Memorandum Account (IAMA)		Y	\$1,008	\$251	\$106	\$0
Gain / Loss on Sale Memorandum Account (GLOSMA)	Y	Y	\$0	\$0	\$0	\$0
PCB Expense Account (PCBEA)		Y	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	Y	Y	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	Y	Y	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	(\$1,082)	(\$426)	(\$179)	(\$0)
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$3,187	\$2,543	\$492	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Margin	Y	Y	\$678	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Nonmargin		Y	\$10,510	\$0	\$0	\$0
Integrated Transmission Balancing Account (ITBA) Margin		Y	\$3,004	\$912	\$367	\$0
Integrated Transmission Balancing Account (ITBA) Nonmargin		Y	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)		Y	\$5,433	\$1,649	\$665	\$1

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core
Subtotal Other Operating Costs and Revenues	\$150	\$914	\$142,458	\$4,031	\$160	\$5,894	\$341	\$10,426
Regulatory Accounts								
Affiliate Transfer Fee Account (ATFA)	(\$0)	(\$1)	(\$110)	(\$4)	(\$0)	(\$2)	\$0	(\$6)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)	(\$1)	(\$4)	(\$778)	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$56	\$269	\$46,641	\$1,528	\$160	\$839	\$0	\$2,527
GRCRRMA Sub allocation for AB32 Admin Fees	\$7	\$48	\$1,425	\$638	\$19	\$409	\$0	\$1,065
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$615	\$4,300	\$126,802	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	\$871	\$0	\$0	\$0	\$871
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$41	\$286	\$6,804	\$3,717	\$0	\$0	\$0	\$3,717
Enhanced Oil Recovery Account (EORA)	(\$2)	(\$11)	(\$1,964)	(\$107)	(\$11)	(\$59)	\$0	(\$177)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$5	\$34	\$1,000	\$448	\$20	\$841	\$0	\$1,309
Honor Rancho Storage Memorandum Account (HRSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intervenor Award Memorandum Account (IAMA)	\$2	\$13	\$371	\$166	\$7	\$312	\$0	\$486
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	(\$3)	(\$21)	(\$630)	(\$282)	(\$8)	(\$181)	\$0	(\$471)
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$4	\$18	\$3,056	\$100	\$10	\$55	\$0	\$166
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Margin	\$0	\$0	\$0	\$370	\$39	\$203	\$0	\$611
Noncore Fixed Cost Account (NFCA) Nonmargin	\$0	\$0	\$0	\$2,719	\$122	\$5,104	\$0	\$7,945
Integrated Transmission Balancing Account (ITBA) Margin	\$6	\$42	\$1,327	\$553	\$25	\$1,035	\$0	\$1,613
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$11	\$76	\$2,400	\$1,000	\$45	\$1,872	\$0	\$2,917

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
Subtotal Other Operating Costs and Revenues	\$160	\$2,153	\$116	\$152	\$2,581	\$121	\$0	\$13,128
Regulatory Accounts								
Affiliate Transfer Fee Account (ATFA)	(\$0)	(\$1)	(\$0)	(\$0)	(\$1)	(\$0)	\$0	(\$7)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$35	\$219	\$34	\$25	\$313	\$15	\$0	\$2,854
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,065
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$871
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,717
Enhanced Oil Recovery Account (EORA)	(\$2)	(\$15)	(\$2)	(\$2)	(\$22)	(\$1)	\$0	(\$200)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$27	\$360	\$19	\$25	\$432	\$20	\$0	\$1,760
Honor Rancho Storage Memorandum Account (HRSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Intervenor Award Memorandum Account (IAMA)	\$10	\$134	\$7	\$9	\$160	\$8	\$0	\$654
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$471)
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$2	\$14	\$2	\$2	\$20	\$1	\$0	\$187
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Margin	\$9	\$53	\$8	\$6	\$75	\$4	\$0	\$690
Noncore Fixed Cost Account (NFCA) Nonmargin	\$163	\$2,185	\$118	\$154	\$2,620	\$123	\$0	\$10,687
Integrated Transmission Balancing Account (ITBA) Margin	\$35	\$0	\$26	\$31	\$92	\$25	\$0	\$1,729
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$63	\$0	\$47	\$56	\$166	\$45	\$0	\$3,128

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Total System \$000			Source	Allocation
Subtotal Other Operating Costs and Revenues	\$155,586	\$2,662	\$152,924		
Regulatory Accounts					
Affiliate Transfer Fee Account (ATFA)	(\$117)	(\$2)	(\$115)	Reg. Acct Filing 10/2014	EPAM ExEOR
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	EPAM, to be updated w/ % core-noncore
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	ECPT ExEOR
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	100% Residential
FERC Settlement Proceeds Memorandum Account (FSPMA)	(\$778)	(\$13)	(\$764)	Reg. Acct Filing 10/2014	ECPT CAT Only
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$49,495	\$0	\$49,495	Reg. Acct Filing 10/2014	EPAM ExEOR
GRCRRMA Sub allocation for AB32 Admin Fees	\$2,491	\$0	\$2,491	Reg. Acct Filing 10/2014	ECPT AB32 Fee Non-Exempt
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	ECPT ExEOR
Core Fixed Cost Account (CFCA)	\$126,802	\$2,198	\$124,604	Reg. Acct Filing 10/2014	Core ECPT
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	EPAM ExEOR
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$871	\$15	\$856	Reg. Acct Filing 10/2014	100% Noncore C&I
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$10,521	\$182	\$10,339	Reg. Acct Filing 10/2014	ECPT ex CARE Participants & EOR
Enhanced Oil Recovery Account (EORA)	(\$2,164)	(\$37)	(\$2,127)	Reg. Acct Filing 10/2014	EORA Allocation Factor
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	Reg. Acct Filing 10/2014	ECPT AB32 Fee Non-Exempt
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	EPAM ExEOR
Transmission Integrity Management Program Memorandum Account (TIMPBA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	EPAM ExEOR
Hazardous Substance Cost-Recovery Account (HSCRA)	\$2,760	\$47	\$2,714	Reg. Acct Filing 10/2014	ECPT ExEOR
Honor Rancho Storage Memorandum Account (HRSMA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	HRSMA Allocator
Intervenor Award Memorandum Account (IAMA)	\$1,025	\$17	\$1,008	Reg. Acct Filing 10/2014	ECPT ExEOR
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	EPAM Excl EOR
PCB Expense Account (PCBEA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	ECPT ExEOR
Master Meter Balancing Account (MMBA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	EPAM Excl EOR
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	MTTA Allocation Factor
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	(\$1,102)	(\$19)	(\$1,082)	Reg. Acct Filing 10/2014	ECPT AB32 Fee Non-Exempt
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$3,243	\$56	\$3,187	Reg. Acct Filing 10/2014	EPAM ExEOR
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$0	Reg. Acct Filing 10/2014	EPAM ExEOR
Noncore Fixed Cost Account (NFCA) Margin	\$690	\$12	\$678	Reg. Acct Filing 10/2014	NonCore EPAM ExEOR
Noncore Fixed Cost Account (NFCA) Nonmargin	\$10,687	\$178	\$10,510	Reg. Acct Filing 10/2014	NonCore ECPT ExEOR
Integrated Transmission Balancing Account (ITBA) Margin	\$3,057	\$53	\$3,004	Reg. Acct Filing 10/2014	CYTP Excl. EOR & SDG&E
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	Reg. Acct Filing 10/2014	CYTP Excl. EOR & SDG&E
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$5,528	\$95	\$5,433	Reg. Acct Filing 10/2014	CYTP Excl. EOR & SDG&E

SoCalGas Cost Allocation

Allocation %

January, 2015 Rates

COST COMPONENTS \$000's	Total System	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG <3 mmth /yr
Subtotal Other Operating Costs and Revenues	100.0%	82.5%	8.4%	0.0%	0.1%	0.6%	91.6%	2.6%	0.1%
Regulatory Accounts									
Affiliate Transfer Fee Account (ATFA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	100.0%	24.5%	10.3%	0.0%	0.2%	1.2%	36.2%	16.2%	0.7%
Disconnect Memorandum Account (DMA)	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
FERC Settlement Proceeds Memorandum Account (FSPMA)	100.0%	9.3%	90.1%	0.0%	0.1%	0.5%	100.0%	0.0%	0.0%
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
GRCRRMA Sub allocation for AB32 Admin Fees	100.0%	38.7%	16.3%	0.0%	0.3%	1.9%	57.2%	25.6%	0.8%
Firm Access & Storage Rights Memorandum Account (FARSMA)	100.0%	24.5%	10.3%	0.0%	0.2%	1.2%	36.2%	16.2%	0.7%
Core Fixed Cost Account (CFCA)	100.0%	67.6%	28.5%	0.0%	0.5%	3.4%	100.0%	0.0%	0.0%
On-Bill Financing Balancing Account (OBFBA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Economic Practicality Shortfall Memorandum Account (EPSMA)	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%
California Solar Initiative Thermal Memorandum Account (CSITPMA)	100.0%	38.8%	22.7%	0.0%	0.4%	2.7%	64.7%	35.3%	0.0%
Enhanced Oil Recovery Account (EORA)	100.0%	75.5%	14.6%	0.0%	0.1%	0.5%	90.8%	5.0%	0.5%
Environmental Fee Balance Account EFBA	100.0%	38.7%	16.3%	0.0%	0.3%	1.9%	57.2%	25.6%	0.8%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Hazardous Substance Cost-Recovery Account (HSCRA)	100.0%	24.5%	10.3%	0.0%	0.2%	1.2%	36.2%	16.2%	0.7%
Honor Rancho Storage Memorandum Account (HRSMA)	100.0%	45.4%	8.3%	0.0%	0.0%	0.3%	54.1%	0.8%	0.0%
Intervenor Award Memorandum Account (IAMA)	100.0%	24.5%	10.3%	0.0%	0.2%	1.2%	36.2%	16.2%	0.7%
Gain / Loss on Sale Memorandum Account (GLOSMA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
PCB Expense Account (PCBEA)	100.0%	24.5%	10.3%	0.0%	0.2%	1.2%	36.2%	16.2%	0.7%
Master Meter Balancing Account (MMBA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Montebello True-Up Tracking Account (MTTA)	100.0%	47.3%	19.9%	0.0%	0.3%	2.4%	70.0%	7.6%	0.3%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	100.0%	38.7%	16.3%	0.0%	0.3%	1.9%	57.2%	25.6%	0.8%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Noncore Fixed Cost Account (NFCA) Margin	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	53.5%	5.6%
Noncore Fixed Cost Account (NFCA) Nonmargin	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	25.4%	1.1%
Integrated Transmission Balancing Account (ITBA) Margin	100.0%	29.8%	12.0%	0.0%	0.2%	1.4%	43.4%	18.1%	0.8%
Integrated Transmission Balancing Account (ITBA) Nonmargin	100.0%	29.8%	12.0%	0.0%	0.2%	1.4%	43.4%	18.1%	0.8%
Compressor Station Fuel and Power Balancing Account (CFPBA)	100.0%	29.8%	12.0%	0.0%	0.2%	1.4%	43.4%	18.1%	0.8%

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	EG>=3 mmth /yr	EOR	Total Retail			Sout West		Total Whole	DGN
			Non Core	Long Beach	SDG&E	Gas	Vernon	sale	
Subtotal Other Operating Costs and Revenues	3.8%	0.2%	6.7%	0.1%	1.4%	0.1%	0.1%	1.7%	0.1%
Regulatory Accounts									
Affiliate Transfer Fee Account (ATFA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	30.4%	0.0%	47.4%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%
Disconnect Memorandum Account (DMA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FERC Settlement Proceeds Memorandum Account (FSPMA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
GRCRRMA Sub allocation for AB32 Admin Fees	16.4%	0.0%	42.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Firm Access & Storage Rights Memorandum Account (FARSMA)	30.4%	0.0%	47.4%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%
Core Fixed Cost Account (CFCA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
On-Bill Financing Balancing Account (OBFBA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Economic Practicality Shortfall Memorandum Account (EPSMA)	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
California Solar Initiative Thermal Memorandum Account (CSITPMA)	0.0%	0.0%	35.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Enhanced Oil Recovery Account (EORA)	2.7%	0.0%	8.2%	0.1%	0.7%	0.1%	0.1%	1.0%	0.0%
Environmental Fee Balance Account EFBA	16.4%	0.0%	42.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Hazardous Substance Cost-Recovery Account (HSCRA)	30.4%	0.0%	47.4%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%
Honor Rancho Storage Memorandum Account (HRSMA)	1.4%	0.1%	2.3%	0.0%	7.5%	0.0%	0.0%	7.6%	0.0%
Intervenor Award Memorandum Account (IAMA)	30.4%	0.0%	47.4%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%
Gain / Loss on Sale Memorandum Account (GLOSMA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
PCB Expense Account (PCBEA)	30.4%	0.0%	47.4%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%
Master Meter Balancing Account (MMBA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Montebello True-Up Tracking Account (MTTA)	14.3%	0.0%	22.3%	0.5%	6.1%	0.3%	0.4%	7.4%	0.3%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccou	16.4%	0.0%	42.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccou	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Noncore Fixed Cost Account (NFCA) Margin	29.4%	0.0%	88.5%	1.2%	7.7%	1.2%	0.9%	11.0%	0.5%
Noncore Fixed Cost Account (NFCA) Nonmargin	47.7%	0.0%	74.3%	1.5%	20.5%	1.1%	1.4%	24.6%	1.1%
Integrated Transmission Balancing Account (ITBA) Margin	33.9%	0.0%	52.8%	1.1%	0.0%	0.8%	1.0%	3.0%	0.8%
Integrated Transmission Balancing Account (ITBA) Nonmargin	33.9%	0.0%	52.8%	1.1%	0.0%	0.8%	1.0%	3.0%	0.8%
Compressor Station Fuel and Power Balancing Account (CFPBA)	33.9%	0.0%	52.8%	1.1%	0.0%	0.8%	1.0%	3.0%	0.8%

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	TBS	Total Non Core
Subtotal Other Operating Costs and Revenues	0.0%	8.4%
Regulatory Accounts		
Affiliate Transfer Fee Account (ATFA)	0.0%	5.8%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	0.0%	5.8%
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	0.0%	63.8%
Disconnect Memorandum Account (DMA)	0.0%	0.0%
FERC Settlement Proceeds Memorandum Account (FSPMA)	0.0%	0.0%
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	0.0%	5.8%
GRCRRMA Sub allocation for AB32 Admin Fees	0.0%	42.8%
Firm Access & Storage Rights Memorandum Account (FARSMA)	0.0%	63.8%
Core Fixed Cost Account (CFCA)	0.0%	0.0%
On-Bill Financing Balancing Account (OBFBA)	0.0%	5.8%
Economic Practicality Shortfall Memorandum Account (EPSMA)	0.0%	100.0%
California Solar Initiative Thermal Memorandum Account (CSITPMA)	0.0%	35.3%
Enhanced Oil Recovery Account (EORA)	0.0%	9.3%
Environmental Fee Balance Account EFBA	0.0%	42.8%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	0.0%	5.8%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	0.0%	5.8%
Hazardous Substance Cost-Recovery Account (HSCRA)	0.0%	63.8%
Honor Rancho Storage Memorandum Account (HRSMA)	35.9%	45.9%
Intervenor Award Memorandum Account (IAMA)	0.0%	63.8%
Gain / Loss on Sale Memorandum Account (GLOSMA)	0.0%	5.8%
PCB Expense Account (PCBEA)	0.0%	63.8%
Master Meter Balancing Account (MMBA)	0.0%	5.8%
Montebello True-Up Tracking Account (MTTA)	0.0%	30.0%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	0.0%	42.8%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	0.0%	5.8%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	0.0%	5.8%
Noncore Fixed Cost Account (NFCA) Margin	0.0%	100.0%
Noncore Fixed Cost Account (NFCA) Nonmargin	0.0%	100.0%
Integrated Transmission Balancing Account (ITBA) Margin	0.0%	56.6%
Integrated Transmission Balancing Account (ITBA) Nonmargin	0.0%	56.6%
Compressor Station Fuel and Power Balancing Account (CFPBA)	0.0%	56.6%

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's				Res	Core C&I	NR A/C
Compression Services Balancing Account (CSBA)	Y	Y	(\$282)	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)		Y	\$64	\$16	\$7	\$0

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core
Compression Services Balancing Account (CSBA)	\$0	(\$287)	(\$287)	\$0	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$0	\$1	\$23	\$10	\$0	\$20	\$1	\$32

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0	\$0	(\$0)	\$0	(\$0)
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$1	\$8	\$0	\$1	\$10	\$0	\$0	\$42

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Total System \$000			Source	Allocation
Compression Services Balancing Account (CSBA)	(\$287)	(\$5)	(\$282)	Reg. Acct Filing 10/2014	One customer allocate to NGV
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$65	\$1	\$64	Reg. Acct Filing 10/2014	ECPT Incl EOR

SoCalGas Cost Allocation

Allocation %

January, 2015 Rates

COST COMPONENTS \$000's	Total System	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG <3 mmth /yr
Compression Services Balancing Account (CSBA)	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%	0.0%
Company-Use Fuel for Load Balancing Account (CUFLBA)	100.0%	24.0%	10.1%	0.0%	0.2%	1.2%	35.5%	15.9%	0.7%

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	EG>=3 mmth /yr	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN
Compression Services Balancing Account (CSBA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Company-Use Fuel for Load Balancing Account (CUFLBA)	29.8%	2.1%	48.5%	1.0%	12.8%	0.7%	0.9%	15.3%	0.7%

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	TBS	Total Non Core
Compression Services Balancing Account (CSBA)	0.0%	0.0%
Company-Use Fuel for Load Balancing Account (CUFLBA)	0.0%	64.5%

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's				Res	Core C&I	NR A/C
System Reliability Memorandum Account (SRMA)		Y	\$9,776	\$2,436	\$1,026	\$1
Noncore Storage Balancing Account (NSBA)		Y	\$2,144	\$534	\$225	\$0
Pension Balancing Account (PBA)	Y	Y	(\$19,739)	(\$15,749)	(\$3,047)	(\$1)
PBOP Balancing Account (PBOPBA)	Y	Y	(\$21,060)	(\$16,803)	(\$3,251)	(\$1)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission		Y	\$0	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission		Y	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution		Y	\$0	\$0	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	Y	Y	(\$501)	(\$399)	(\$77)	(\$0)
Research Royalty Memorandum Account (RRMA)	Y	Y	(\$367)	(\$293)	(\$57)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)		Y	\$8,000	\$1,994	\$839	\$1
Natural Gas Appliance Testing Memo Account (NGATMA)	Y	Y	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	Y	Y	\$5,501	\$4,389	\$849	\$0
Total Regulatory Accounts			\$193,766	\$109,536	\$43,624	\$36
Core Interstate Pipeline Demand Charges (IPDC)		Y	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000			\$346,690	\$1,672,955	\$334,387	\$116
EOR Revenue allocated to Other Classes \$000				(\$4,926)	(\$953)	(\$0)
EOR Costs allocated to Other Classes \$000				\$4,193	\$811	\$0
Gas Engine Rate CAP adjustment		N	\$914	\$761	\$147	\$0
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr				\$1,672,983	\$334,392	\$116
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr				2,337,534	984,102	825
Average Rate w/oFAR \$/th				\$0.71570	\$0.33979	\$0.14108
FFU Rate				101.76%	101.76%	101.76%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr				2,337,534	984,102	825
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr				\$1,672,983	\$334,392	\$116
SW NGV Adjustment						
SW EG Adjustment						
TLS Adjustment						

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Gas Eng	NGV	Total Core	Non Core			EOR	Total Retail Non Core
				C&I	EG Tier 1	EG Tier 2		
System Reliability Memorandum Account (SRMA)	\$17	\$122	\$3,603	\$1,613	\$72	\$3,029	\$0	\$4,714
Noncore Storage Balancing Account (NSBA)	\$4	\$27	\$790	\$354	\$16	\$664	\$0	\$1,034
Pension Balancing Account (PBA)	(\$23)	(\$109)	(\$18,929)	(\$620)	(\$65)	(\$340)	\$0	(\$1,025)
PBOP Balancing Account (PBOPBA)	(\$24)	(\$116)	(\$20,196)	(\$662)	(\$69)	(\$363)	\$0	(\$1,094)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmissio	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	(\$1)	(\$3)	(\$480)	(\$16)	(\$2)	(\$9)	\$0	(\$26)
Research Royalty Memorandum Account (RRMA)	(\$0)	(\$2)	(\$352)	(\$12)	(\$1)	(\$6)	\$0	(\$19)
Self-Generation Program Memorandum Account (SGPMA)	\$14	\$100	\$2,948	\$1,320	\$59	\$2,478	\$0	\$3,858
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$6	\$30	\$5,275	\$173	\$18	\$95	\$0	\$286
Total Regulatory Accounts	\$734	\$4,810	\$158,741	\$13,877	\$455	\$15,995	\$1	\$30,330
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$2,955	\$15,664	\$2,026,078	\$74,410	\$6,529	\$52,911	\$5,347	\$139,198
EOR Revenue allocated to Other Classes \$000	(\$7)	(\$34)	(\$5,921)	(\$194)	(\$20)	(\$106)		(\$321)
EOR Costs allocated to Other Classes \$000	\$6	\$29	\$5,039	\$165	\$17	\$91	(\$5,347)	(\$5,075)
Gas Engine Rate CAP adjustment	(\$914)	\$5	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$2,040	\$15,665	\$2,025,196	\$74,381	\$6,526	\$52,896	\$0	\$133,803
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	16,774	117,220	3,456,455	1,547,620	69,347	2,905,702		4,522,669
Average Rate w/oFAR \$/th	\$0.12163	\$0.13363	\$0.58592	\$0.04806	\$0.09410	\$0.01820	\$0.00000	\$0.02958
FFU Rate	101.76%	101.76%		101.76%	101.76%	101.76%	100.00%	
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	16,774	117,220	3,456,455	1,547,620	69,347	2,905,702	203,920	4,726,589

Sempra Wide & TLS Adjustments::

Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$2,040	\$15,665	\$2,025,196	\$74,381		\$59,421		\$133,803
SW NGV Adjustment		\$1,016	\$1,016					\$0
SW EG Adjustment			\$0			(\$3,041)		(\$3,041)

TLS Adjustment

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West		Total Whole		DGN	TBS	Total Non Core
			Gas	Vernon	sale				
System Reliability Memorandum Account (SRMA)	\$97	\$1,297	\$70	\$91	\$1,554	\$73	\$0	\$6,341	
Noncore Storage Balancing Account (NSBA)	\$21	\$284	\$15	\$20	\$341	\$16	\$0	\$1,391	
Pension Balancing Account (PBA)	(\$14)	(\$89)	(\$14)	(\$10)	(\$127)	(\$6)	\$0	(\$1,158)	
PBOP Balancing Account (PBOPBA)	(\$15)	(\$95)	(\$15)	(\$11)	(\$135)	(\$6)	\$0	(\$1,235)	
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmissio	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Research Development and Demonstration Expense Account (RDDEA)	(\$0)	(\$2)	(\$0)	(\$0)	(\$3)	(\$0)	\$0	(\$29)	
Research Royalty Memorandum Account (RRMA)	(\$0)	(\$2)	(\$0)	(\$0)	(\$2)	(\$0)	\$0	(\$22)	
Self-Generation Program Memorandum Account (SGPMA)	\$79	\$1,061	\$57	\$75	\$1,272	\$60	\$0	\$5,189	
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Rewards & Penalties Balancing Account (RPBA)	\$4	\$25	\$4	\$3	\$35	\$2	\$0	\$323	
Total Regulatory Accounts	\$512	\$5,438	\$376	\$475	\$6,801	\$376	\$0	\$37,507	
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$1,978	\$15,696	\$1,741	\$1,535	\$20,950	\$1,043	\$26,476	\$187,667	
EOR Revenue allocated to Other Classes \$000	(\$4)	(\$28)	(\$4)	(\$3)	(\$40)	(\$2)	\$0	(\$362)	
EOR Costs allocated to Other Classes \$000	\$4	\$24	\$4	\$3	\$34	\$2	\$0	(\$5,039)	
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$1,978	\$15,692	\$1,740	\$1,534	\$20,944	\$1,043	\$26,476	\$182,265	
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	92,897	1,247,558	67,209	87,906	1,495,569	69,979	0	6,088,217	
Average Rate w/oFAR \$/th	\$0.02129	\$0.01258	\$0.02589	\$0.01745	\$0.01400	\$0.01491	\$0.00000	\$0.02994	
FFU Rate	101.48%	101.48%	101.48%	101.48%		101.48%	101.76%		
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	92,897	1,247,558	67,209	87,906	1,495,569	69,979	0	6,292,137	

Sempra Wide & TLS Adjustments::

Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$1,978	\$15,692	\$1,740	\$1,534	\$20,944	\$1,043	\$26,476	\$182,265
SW NGV Adjustment					\$0			\$0
SW EG Adjustment					\$0			(\$3,041)

TLS Adjustment

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Total System \$000			Source	Allocation
System Reliability Memorandum Account (SRMA)	\$9,944	\$168	\$9,776	Reg. Acct Filing 10/2014	ECPT ExEOR
Noncore Storage Balancing Account (NSBA)	\$2,181	\$37	\$2,144	Reg. Acct Filing 10/2014	ECPT ExEOR
Pension Balancing Account (PBA)	(\$20,087)	(\$348)	(\$19,739)	Reg. Acct Filing 10/2014	EPAM Excl EOR
PBOP Balancing Account (PBOPBA)	(\$21,431)	(\$371)	(\$21,060)	Reg. Acct Filing 10/2014	EPAM Excl EOR
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$0	\$0	\$0	Reg. Acct Filing 10/2014	CYCPM System Excl. Wholesale
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	Reg. Acct Filing 10/2014	HPD CYCPM System Total
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmissio	\$0	\$0	\$0	Reg. Acct Filing 10/2014	CYCPM System Excl. Wholesale
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	Reg. Acct Filing 10/2014	HPD CYCPM System Total
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$0	\$0	\$0	Reg. Acct Filing 10/2014	CYCPM System Excl. Wholesale
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$0	\$0	Reg. Acct Filing 10/2014	HPD CYCPM System Total
Research Development and Demonstration Expense Account (RDDEA)	(\$509)	(\$9)	(\$501)	Reg. Acct Filing 10/2014	EPAM Excl EOR
Research Royalty Memorandum Account (RRMA)	(\$373)	(\$6)	(\$367)	Reg. Acct Filing 10/2014	EPAM Excl EOR
Self-Generation Program Memorandum Account (SGPMA)	\$8,137	\$137	\$8,000	Reg. Acct Filing 10/2014	ECPT ExEOR
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	Reg. Acct Filing 10/2014	EPAM Excl EOR
Rewards & Penalties Balancing Account (RPBA)	\$5,598	\$97	\$5,501	Reg. Acct Filing 10/2014	EPAM Excl EOR
Total Regulatory Accounts	\$196,248	\$2,482	\$193,766		
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	2009FC @ 9/10/2007	Core ECPT
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$2,213,745				
EOR Revenue allocated to Other Classes \$000	(\$6,283)			EOR	
EOR Costs allocated to Other Classes \$000	\$0			EOR	
Gas Engine Rate CAP adjustment	\$0			G-EN	Core EPAM excl G-EN
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$2,207,461				
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	9,544,672			Alloc Factors	
Average Rate w/oFAR \$/th	\$0.23128				
FFU Rate				Misc Incpnt	
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	9,748,592				
Sempra Wide & TLS Adjustments::					
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$2,207,461				
SW NGV Adjustment	\$1,016				
SW EG Adjustment	(\$3,041)				
TLS Adjustment					

SoCalGas Cost Allocation

Allocation %

January, 2015 Rates

COST COMPONENTS \$000's	Total System	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG <3 mmth /yr
System Reliability Memorandum Account (SRMA)	100.0%	24.5%	10.3%	0.0%	0.2%	1.2%	36.2%	16.2%	0.7%
Noncore Storage Balancing Account (NSBA)	100.0%	24.5%	10.3%	0.0%	0.2%	1.2%	36.2%	16.2%	0.7%
Pension Balancing Account (PBA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
PBOP Balancing Account (PBOPBA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	100.0%	42.4%	12.9%	0.0%	0.1%	1.1%	56.4%	13.8%	0.5%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	100.0%	61.3%	18.4%	0.0%	0.1%	1.1%	80.9%	11.1%	0.5%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmissi	100.0%	42.4%	12.9%	0.0%	0.1%	1.1%	56.4%	13.8%	0.5%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	100.0%	61.3%	18.4%	0.0%	0.1%	1.1%	80.9%	11.1%	0.5%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	100.0%	42.4%	12.9%	0.0%	0.1%	1.1%	56.4%	13.8%	0.5%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	100.0%	61.3%	18.4%	0.0%	0.1%	1.1%	80.9%	11.1%	0.5%
Research Development and Demonstration Expense Account (RDDEA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Research Royalty Memorandum Account (RRMA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Self-Generation Program Memorandum Account (SGPMA)	100.0%	24.5%	10.3%	0.0%	0.2%	1.2%	36.2%	16.2%	0.7%
Natural Gas Appliance Testing Memo Account (NGATMA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Rewards & Penalties Balancing Account (RPBA)	100.0%	78.4%	15.2%	0.0%	0.1%	0.5%	94.2%	3.1%	0.3%
Total Regulatory Accounts		55.8%	22.2%	0.0%	0.4%	2.5%	80.9%	7.1%	0.2%
Core Interstate Pipeline Demand Charges (IPDC)	100.0%	67.6%	28.5%	0.0%	0.5%	3.4%	100.0%	0.0%	0.0%
Transport Rev Req before EOR & G-EN CAP adjustments \$000									
EOR Revenue allocated to Other Classes \$000									
EOR Costs allocated to Other Classes \$000									
Gas Engine Rate CAP adjustment	0.0%	83.3%	16.1%	0.0%	-100.0%	0.6%	0.0%	0.0%	0.0%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr									
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr									
Average Rate w/oFAR \$/th									
FFU Rate									
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr									

Sempra Wide & TLS Adjustments::

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

SW NGV Adjustment

SW EG Adjustment

TLS Adjustment

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	EG>=3 mmth /yr	EOR	Total Retail			Sout West		Total Whole	DGN
			Non Core	Long Beach	SDG&E	Gas	Vernon	sale	
System Reliability Memorandum Account (SRMA)	30.4%	0.0%	47.4%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%
Noncore Storage Balancing Account (NSBA)	30.4%	0.0%	47.4%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%
Pension Balancing Account (PBA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
PBOP Balancing Account (PBOPBA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	23.5%	1.9%	39.6%	1.3%	0.0%	1.2%	0.9%	3.4%	0.6%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	6.1%	1.5%	19.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmissio	23.5%	1.9%	39.6%	1.3%	0.0%	1.2%	0.9%	3.4%	0.6%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	6.1%	1.5%	19.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	23.5%	1.9%	39.6%	1.3%	0.0%	1.2%	0.9%	3.4%	0.6%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	6.1%	1.5%	19.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Research Development and Demonstration Expense Account (RDDEA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Research Royalty Memorandum Account (RRMA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Self-Generation Program Memorandum Account (SGPMA)	30.4%	0.0%	47.4%	1.0%	13.1%	0.7%	0.9%	15.7%	0.7%
Natural Gas Appliance Testing Memo Account (NGATMA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Rewards & Penalties Balancing Account (RPBA)	1.7%	0.0%	5.1%	0.1%	0.4%	0.1%	0.0%	0.6%	0.0%
Total Regulatory Accounts	8.2%	0.0%	15.5%	0.3%	2.8%	0.2%	0.2%	3.5%	0.2%
Core Interstate Pipeline Demand Charges (IPDC)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transport Rev Req before EOR & G-EN CAP adjustments \$000									
EOR Revenue allocated to Other Classes \$000									
EOR Costs allocated to Other Classes \$000									
Gas Engine Rate CAP adjustment	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr									
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr									
Average Rate w/oFAR \$/th									
FFU Rate									
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr									

Sempra Wide & TLS Adjustments::

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

SW NGV Adjustment

SW EG Adjustment

TLS Adjustment

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	TBS	Total Non Core
System Reliability Memorandum Account (SRMA)	0.0%	63.8%
Noncore Storage Balancing Account (NSBA)	0.0%	63.8%
Pension Balancing Account (PBA)	0.0%	5.8%
PBOP Balancing Account (PBOPBA)	0.0%	5.8%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	0.0%	43.6%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	0.0%	19.1%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmissio	0.0%	43.6%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	0.0%	19.1%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	0.0%	43.6%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	0.0%	19.1%
Research Development and Demonstration Expense Account (RDDEA)	0.0%	5.8%
Research Royalty Memorandum Account (RRMA)	0.0%	5.8%
Self-Generation Program Memorandum Account (SGPMA)	0.0%	63.8%
Natural Gas Appliance Testing Memo Account (NGATMA)	0.0%	5.8%
Rewards & Penalties Balancing Account (RPBA)	0.0%	5.8%
Total Regulatory Accounts	0.0%	19.1%
Core Interstate Pipeline Demand Charges (IPDC)	0.0%	0.0%
Transport Rev Req before EOR & G-EN CAP adjustments \$000		
EOR Revenue allocated to Other Classes \$000		
EOR Costs allocated to Other Classes \$000		
Gas Engine Rate CAP adjustment	0.0%	0.0%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr		
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr		
Average Rate w/oFAR \$/th		
FFU Rate		
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr		

Sempra Wide & TLS Adjustments::

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

SW NGV Adjustment

SW EG Adjustment

TLS Adjustment

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Res	Core C&I	NR A/C
Amount allocated to TLS Class \$000			
TLS revenue paid by class @ average TLS rate \$000			
	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$1,672,983	\$334,392	\$116
<i>Rate Tables</i>	<i>\$1,672,983</i>	<i>\$334,392</i>	<i>\$116</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	2,337,534	984,102	825
Average Rate w/oBTS \$/th	\$0.71570	\$0.33979	\$0.14108
<i>Rate Tables</i>	<i>\$0.71570</i>	<i>\$0.33979</i>	<i>\$0.14108</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
BTS w/FFU Charge \$000	\$41,168	\$16,591	\$13
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$1,714,151	\$350,983	\$130
Average Rate w/ BTS \$/th	\$0.73332	\$0.35665	\$0.15717

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core
Amount allocated to TLS Class \$000			\$0	(\$12,142)		(\$41,378)		(\$53,520)
TLS revenue paid by class @ average TLS rate \$000			\$0	\$11,806		\$39,270		\$51,076
	\$0	\$0	\$0	(\$336)		(\$2,108)		(\$2,444)
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$2,040	\$16,681	\$2,026,212	\$74,045		\$54,273		\$128,318
<i>Rate Tables difference</i>	<i>\$2,040</i>	<i>\$16,681</i>	<i>\$2,026,212</i>	<i>\$74,045</i>		<i>\$54,273</i>		<i>\$128,318</i>
	\$0	\$0	\$0	\$0		\$0		\$0
AYTP Mth/yr	16,774	117,220	3,456,455	1,547,620		2,975,049		4,522,669
Average Rate w/oBTS \$/th	\$0.12163	\$0.14230	\$0.58621	\$0.04784		\$0.01824		\$0.02837
<i>Rate Tables difference</i>	<i>\$0.12163</i>	<i>\$0.14230</i>	<i>\$0.58621</i>	<i>\$0.04784</i>		<i>\$0.01824</i>		<i>\$0.02837</i>
	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.00000		\$0.00000
BTS w/FFU Charge \$000	\$270	\$1,886	\$59,927	\$24,962	\$1,116	\$46,742	\$3,280	\$76,101
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$2,310	\$18,566	\$2,086,139	\$99,008	\$1,116	\$101,015	\$3,280	\$204,419
Average Rate w/ BTS \$/th	\$0.13772	\$0.15839	\$0.60355	\$0.06397	\$0.01609	\$0.03476		\$0.04520

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
Amount allocated to TLS Class \$000	(\$1,978)		(\$1,740)	(\$1,534)	(\$5,252)	(\$1,043)		(\$59,815)
TLS revenue paid by class @ average TLS rate \$000	\$1,350		\$977	\$1,278	\$3,605	\$1,017		\$55,698
	(\$628)	\$0	(\$763)	(\$257)	(\$1,648)	(\$26)	\$0	(\$4,118)
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$1,350	\$15,692	\$977	\$1,278	\$19,296	\$1,017	\$26,476	\$175,107
<i>Rate Tables difference</i>	<i>\$1,350</i>	<i>\$15,692</i>	<i>\$977</i>	<i>\$1,278</i>	<i>\$19,296</i>	<i>\$1,017</i>	<i>\$26,476</i>	<i>\$175,107</i>
<i>Rate Tables difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	92,897	1,247,558	67,209	87,906	1,495,569	69,979		6,088,217
Average Rate w/oBTS \$/th	\$0.01453	\$0.01258	\$0.01453	\$0.01453	\$0.01290	\$0.01453		\$0.02876
<i>Rate Tables difference</i>	<i>\$0.01453</i>	<i>\$0.01258</i>	<i>\$0.01453</i>	<i>\$0.01453</i>		<i>\$0.01453</i>		
<i>Rate Tables difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>		<i>\$0.00000</i>		
BTS w/FFU Charge \$000	\$1,574	\$20,474	\$1,167	\$1,414	\$24,629	\$1,126	\$0	\$101,855
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$2,924	\$36,165	\$2,144	\$2,692	\$43,925	\$2,143	\$26,476	\$276,962
Average Rate w/ BTS \$/th	\$0.03148	\$0.02899	\$0.03190	\$0.03062	\$0.02937	\$0.03062		\$0.04549

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	Total System \$000	Source	Allocation
Amount allocated to TLS Class \$000	(\$59,815)		
TLS revenue paid by class @ average TLS rate \$000	\$55,698		
	(\$4,118)		
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$2,201,319		
<i>Rate Tables difference</i>	<i>\$2,201,319</i>		
	\$0		
AYTP Mth/yr	9,544,672		
Average Rate w/oBTS \$/th	\$0.23063		
<i>Rate Tables difference</i>	<i>\$0.23063</i>		
	\$0.00000		
BTS w/FFU Charge \$000	\$161,782	SI & FAR	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$2,363,102		
Average Rate w/ BTS \$/th	\$0.24758		

SoCalGas Cost Allocation

Allocation %

January, 2015 Rates

COST COMPONENTS \$000's	Total System	Resid	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG <3 mmth /yr
Amount allocated to TLS Class \$000									
TLS revenue paid by class @ average TLS rate \$000									
<hr/>									
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr									
<i>Rate Tables difference</i>									
<hr/>									
AYTP Mth/yr									
Average Rate w/oBTS \$/th									
<i>Rate Tables difference</i>									
<hr/>									
BTS w/FFU Charge \$000									
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr									
Average Rate w/ BTS \$/th									

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	EG>=3 mmth /yr	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN
Amount allocated to TLS Class \$000									
TLS revenue paid by class @ average TLS rate \$000									
<hr/>									
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr									
<hr/>									
<i>Rate Tables</i>									
<i>difference</i>									
<hr/>									
AYTP Mth/yr									
Average Rate w/oBTS \$/th									
<hr/>									
<i>Rate Tables</i>									
<i>difference</i>									
<hr/>									
BTS w/FFU Charge \$000									
<hr/>									
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr									
<hr/>									
Average Rate w/ BTS \$/th									
<hr/>									

SoCalGas Cost Allocation

January, 2015 Rates

COST COMPONENTS \$000's	TBS	Total Non Core
Amount allocated to TLS Class \$000		
TLS revenue paid by class @ average TLS rate \$000		
<hr/>		
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr		
<hr/>		
<i>Rate Tables</i>		
<i>difference</i>		
<hr/>		
AYTP Mth/yr		
Average Rate w/oBTS \$/th		
<hr/>		
<i>Rate Tables</i>		
<i>difference</i>		
<hr/>		
BTS w/FFU Charge \$000		
<hr/>		
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr		
<hr/>		
Average Rate w/ BTS \$/th		
<hr/>		

SoCalGas Reconcile Cost Allocation
2016 TCAP Phase II Rates

COST COMPONENTS \$000's	Res	Core C&I	NR A/C
Base Margin Costs:			
Customer Related Costs	\$169,998	\$6,823	\$0
Medium Pressure Distribution Costs	(\$105,046)	(\$30,708)	(\$11)
High Pressure Distribution Costs	(\$22,697)	(\$7,313)	(\$5)
Backbone Transmission Costs	\$10,310	\$4,012	\$2
Local Transmission Costs	\$6,073	\$1,623	(\$0)
Storage - Seasonal	\$10,563	\$148	\$4
Storage - Load Balancing	\$4,831	\$2,028	\$1
Storage - TBS	\$0	\$0	\$0
Non-DSM Marketing Related Costs	(\$34,197)	(\$17,397)	(\$0)
Uncollectibles	\$678	(\$5)	\$0
NGV compression adder	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$40,515	(\$40,789)	(\$8)
Less Backbone Transmission Costs	(\$10,310)	(\$4,012)	(\$2)
Less Local Transmission Costs	(\$6,073)	(\$1,623)	\$0
Plus Local Transmission Costs w/SI, FFU	\$6,074	\$1,623	(\$0)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$30,206	(\$44,801)	(\$10)

<u>Other Operating Costs and Revenues</u>	Non-ECPT?	Amount to Add FFU Y or N?	Allocate (w/o F&U)			
AB32 Fees (subtracted from base margin and allocated here)		Y	\$0	\$135	\$55	(\$0)
Aliso Canyon Turbine Replacement (ACTR)		Y	\$0	\$0	\$0	\$0
n/a			\$0	\$0	\$0	\$0
Company Use Gas: Other		Y	\$288	\$84	\$35	\$0
Company Use Gas: Storage Load Balancing		N	(\$216)	(\$39)	(\$17)	(\$0)
AMI	Y	Y	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions		N	\$95	\$26	\$11	\$0
Fuel Cell Equipment Revenues	Y	N	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards		N	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas		Y	\$1,095	\$398	\$154	(\$0)

n/a		N	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks		Y	\$25	\$10	\$4	\$0
Subtotal Other Operating Costs and Revenues			\$1,287	\$615	\$243	(\$0)
Regulatory Accounts						
Affiliate Transfer Fee Account (ATFA)	Y	Y	\$115	\$92	\$18	\$0
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	Y	Y	\$0	\$0	\$0	\$0
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)		Y	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)		Y	\$757	\$71	\$696	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Y	Y	(\$49,495)	(\$38,806)	(\$7,508)	(\$2)
GRCRRMA Sub allocation for AB32 Admin Fees		Y	(\$2,491)	(\$964)	(\$406)	(\$0)
Firm Access & Storage Rights Memorandum Account (FARSMA)		Y	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)		Y	(\$121,912)	(\$83,920)	(\$35,332)	(\$30)
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)		Y	(\$141)	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)		Y	(\$551)	(\$94)	(\$161)	(\$0)
Enhanced Oil Recovery Account (EORA)	Y	Y	\$1,497	\$1,137	\$237	\$0
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	Y	Y	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)		Y	\$9,117	\$2,437	\$1,023	\$1
Honor Rancho Storage Memorandum Account (HRSMA)	Y	Y	\$0	\$0	\$0	\$0
Intervenor Award Memorandum Account (IAMA)		Y	(\$1,008)	(\$251)	(\$106)	(\$0)
Gain / Loss on Sale Memorandum Account (GLOSMA)	Y	Y	\$0	\$0	\$0	\$0
PCB Expense Account (PCBEA)		Y	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	Y	Y	\$0	\$0	\$0	\$0
Montebello True-Up Tracking Account (MTTA)	Y	N	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	\$0	(\$28)	(\$11)	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	(\$3,187)	(\$2,543)	(\$492)	(\$0)
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Margin	Y	Y	\$1,603	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Nonmargin		Y	(\$9,438)	\$0	\$0	\$0
Integrated Transmission Balancing Account (ITBA) Margin		Y	\$7,189	\$2,375	\$945	\$1
Integrated Transmission Balancing Account (ITBA) Nonmargin		Y	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)		Y	(\$5,107)	(\$1,544)	(\$623)	(\$1)
Compression Services Balancing Account (CSBA)	Y	Y	(\$6)	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)		Y	(\$34)	(\$8)	(\$3)	(\$0)
System Reliability Memorandum Account (SRMA)		Y	(\$9,776)	(\$2,436)	(\$1,026)	(\$1)
Noncore Storage Balancing Account (NSBA)		Y	(\$2,158)	(\$538)	(\$227)	(\$0)

Pension Balancing Account (PBA)	Y	Y	\$0	(\$394)	\$482	\$0
PBOP Balancing Account (PBOPBA)	Y	Y	\$0	(\$421)	\$514	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission		Y	\$0	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission		Y	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution		Y	\$0	\$0	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	Y	Y	\$500	\$399	\$77	\$0
Research Royalty Memorandum Account (RRMA)	Y	Y	\$366	\$292	\$56	\$0
Self-Generation Program Memorandum Account (SGPMA)		Y	\$0	\$111	\$45	(\$0)
Natural Gas Appliance Testing Memo Account (NGATMA)	Y	Y	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	Y	Y	(\$5,767)	(\$4,607)	(\$884)	(\$0)
Total Regulatory Accounts			(\$189,927)	(\$129,639)	(\$42,684)	(\$33)
Core Interstate Pipeline Demand Charges (IPDC)		Y	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000			(\$188,640)	(\$98,818)	(\$87,242)	(\$43)
EOR Revenue allocated to Other Classes \$000				(\$4,516)	(\$547)	(\$0)
EOR Costs allocated to Other Classes \$000				\$516	(\$63)	(\$0)
Gas Engine Rate CAP adjustment		N	\$707	\$626	\$73	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr				(\$102,192)	(\$87,779)	(\$43)
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr				97,625	39,083	(53)
Average Rate w/oBTS \$/th				(\$0.07066)	(\$0.09877)	(\$0.04635)
FFU Rate				0.00%	0.00%	0.00%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr				97,625	39,083	(53)
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr				(\$102,192)	(\$87,779)	(\$43)
SW NGV Adjustment				\$0	\$0	\$0
SW EG Adjustment				\$0	\$0	\$0
TLS Adjustment						
Amount allocated to TLS Class \$000				\$0	\$0	\$0
TLS revenue paid by class @ average TLS rate \$000				\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr				(\$102,192)	(\$87,779)	(\$43)
Rate Tables difference				(\$102,192)	(\$87,779)	(\$43)
				\$0	\$0	\$0
AYTP Mth/yr				97,625	39,083	(53)

Average Rate w/oBTS \$/th	(\$0.07066)	(\$0.09877)	(\$0.04635)
Rate Tables difference	(\$0.07066)	(\$0.09877)	(\$0.04635)
	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$10,022	\$3,855	\$1
Transport Rev Req w/Sl, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	(\$92,170)	(\$83,924)	(\$42)
Average Rate w/ BTS \$/th	(\$0.06725)	(\$0.09565)	(\$0.04338)

Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale
\$1,379	\$5,201	\$183,402	(\$1,070)	\$701	\$379	\$762	\$771	\$291	\$506	\$259	\$220	\$1,276
\$211	\$74	(\$135,480)	(\$4,980)	\$784	(\$157)	\$38	(\$4,316)	\$0	\$0	\$0	\$0	\$0
\$55	(\$8)	(\$29,967)	(\$4,713)	\$239	(\$5,522)	(\$248)	(\$10,244)	\$0	\$0	\$0	\$0	\$0
\$113	\$976	\$15,414	\$4,781	\$641	\$4,750	\$1,081	\$11,252	\$59	\$4,289	\$138	\$396	\$4,883
\$53	\$331	\$8,080	\$1,616	\$264	\$3,575	\$375	\$5,830	\$58	\$1,946	\$111	\$93	\$2,208
\$120	\$393	\$11,228	\$0	\$0	\$0	\$0	\$0	\$0	\$1,667	\$0	\$0	\$1,667
\$44	\$343	\$7,248	\$2,675	\$203	\$4,204	\$441	\$7,523	\$109	\$2,219	\$114	\$176	\$2,618
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$5)	(\$3,432)	(\$55,030)	(\$339)	(\$96)	(\$1,433)	(\$930)	(\$2,798)	(\$257)	(\$244)	(\$282)	(\$208)	(\$992)
\$7	\$15	\$694	\$25	\$7	\$42	\$0	\$74	\$0	\$0	\$0	\$0	\$0
\$0	\$1,111	\$1,111	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,978	\$5,004	\$6,700	(\$2,005)	\$2,743	\$5,838	\$1,517	\$8,093	\$260	\$10,384	\$339	\$678	\$11,660
(\$113)	(\$976)	(\$15,414)	(\$4,781)	(\$641)	(\$4,750)	(\$1,081)	(\$11,252)	(\$59)	(\$4,289)	(\$138)	(\$396)	(\$4,883)
(\$53)	(\$331)	(\$8,080)	(\$1,616)	(\$264)	(\$3,575)	(\$375)	(\$5,830)	(\$58)	(\$1,946)	(\$111)	(\$93)	(\$2,208)
\$53	\$331	\$8,081	\$1,616	\$265	\$3,575	\$375	\$5,831	\$58	\$0	\$111	\$93	\$262
\$1,865	\$4,028	(\$8,712)	(\$6,786)	\$2,102	\$1,089	\$437	(\$3,158)	\$200	\$4,148	\$201	\$282	\$4,831

\$4	\$38	\$233	\$12	\$26	(\$270)	\$0	(\$233)	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1	\$8	\$128	\$46	\$5	\$55	\$9	\$115	\$1	\$39	\$2	\$4	\$45
\$0	\$2	(\$53)	(\$35)	\$2	(\$96)	(\$1)	(\$131)	(\$4)	(\$26)	(\$2)	(\$1)	(\$33)
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$2	\$39	\$15	\$1	\$24	\$0	\$40	\$1	\$13	\$1	\$1	\$15
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$24	\$249	\$825	\$146	\$53	(\$181)	\$67	\$86	(\$20)	\$153	\$5	\$22	\$160

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$2	\$17	\$4	\$1	(\$1)	\$0	\$4	(\$0)	\$4	\$0	\$1	\$4
\$29	\$300	\$1,187	\$188	\$88	(\$470)	\$75	(\$119)	(\$23)	\$183	\$6	\$26	\$192
\$0	\$1	\$110	\$4	\$0	\$2	\$0	\$6	\$0	\$1	\$0	\$0	\$1
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1	\$3	\$771	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$56)	(\$269)	(\$46,641)	(\$1,528)	(\$160)	(\$839)	\$0	(\$2,527)	(\$35)	(\$219)	(\$34)	(\$25)	(\$313)
(\$7)	(\$48)	(\$1,425)	(\$638)	(\$19)	(\$409)	\$0	(\$1,065)	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$600)	(\$4,182)	(\$124,063)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	(\$144)	\$0	\$0	\$0	(\$144)	\$0	\$0	\$0	\$0	\$0
\$5	\$62	(\$189)	(\$372)	\$0	\$0	\$0	(\$372)	\$0	\$0	\$0	\$0	\$0
\$1	\$7	\$1,382	\$80	\$7	\$41	\$0	\$127	\$2	\$9	\$2	\$1	\$13
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$22	\$167	\$3,650	\$1,502	\$104	\$2,459	\$0	\$4,065	\$67	\$1,236	\$64	\$96	\$1,463
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$2)	(\$13)	(\$371)	(\$166)	(\$7)	(\$312)	\$0	(\$486)	(\$10)	(\$134)	(\$7)	(\$9)	(\$160)
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$1)	(\$8)	(\$48)	(\$2)	(\$5)	\$56	\$0	\$49	\$0	\$0	\$0	\$0	\$0
(\$4)	(\$18)	(\$3,056)	(\$100)	(\$10)	(\$55)	\$0	(\$166)	(\$2)	(\$14)	(\$2)	(\$2)	(\$20)
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$708	\$135	\$493	\$0	\$1,335	\$24	\$212	\$23	\$20	\$279
\$0	\$0	\$0	(\$2,431)	(\$103)	(\$4,617)	\$0	(\$7,152)	(\$149)	(\$1,950)	(\$105)	(\$136)	(\$2,340)
\$19	\$150	\$3,491	\$1,319	\$94	\$2,122	\$0	\$3,535	\$63	\$0	\$54	\$85	\$202
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$10)	(\$69)	(\$2,246)	(\$940)	(\$41)	(\$1,771)	\$0	(\$2,752)	(\$60)	\$0	(\$44)	(\$53)	(\$157)
\$0	(\$6)	(\$6)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$0)	(\$0)	(\$12)	(\$6)	(\$0)	(\$11)	(\$1)	(\$18)	(\$0)	(\$4)	(\$0)	(\$0)	(\$5)
(\$17)	(\$122)	(\$3,603)	(\$1,613)	(\$72)	(\$3,029)	\$0	(\$4,714)	(\$97)	(\$1,297)	(\$70)	(\$91)	(\$1,554)
(\$4)	(\$27)	(\$796)	(\$356)	(\$16)	(\$668)	\$0	(\$1,040)	(\$21)	(\$286)	(\$15)	(\$20)	(\$343)

(\$21)	(\$45)	\$22	\$72	(\$23)	(\$13)	\$0	\$36	(\$2)	(\$46)	(\$2)	(\$3)	(\$54)
(\$22)	(\$48)	\$24	\$77	(\$25)	(\$14)	\$0	\$38	(\$2)	(\$49)	(\$2)	(\$3)	(\$57)
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1	\$3	\$479	\$16	\$2	\$9	\$0	\$26	\$0	\$2	\$0	\$0	\$3
\$0	\$2	\$351	\$11	\$1	\$6	\$0	\$19	\$0	\$2	\$0	\$0	\$2
\$4	\$36	\$196	(\$1)	\$25	(\$247)	\$0	(\$224)	(\$16)	\$18	(\$1)	\$7	\$9
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$7)	(\$32)	(\$5,530)	(\$180)	(\$19)	(\$100)	\$0	(\$299)	(\$4)	(\$27)	(\$4)	(\$3)	(\$38)
(\$698)	(\$4,457)	(\$177,510)	(\$4,689)	(\$134)	(\$6,898)	(\$1)	(\$11,722)	(\$243)	(\$2,548)	(\$144)	(\$136)	(\$3,070)
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,196	(\$129)	(\$185,035)	(\$11,287)	\$2,056	(\$6,279)	\$511	(\$14,999)	(\$66)	\$1,784	\$63	\$171	\$1,952
(\$18)	(\$56)	(\$5,138)	(\$126)	(\$31)	(\$100)	\$0	(\$258)	(\$5)	(\$51)	(\$5)	(\$5)	(\$66)
\$7	\$16	\$475	(\$5)	\$8	\$13	(\$511)	(\$496)	\$1	\$16	\$1	\$1	\$19
(\$707)	\$8	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$477	(\$161)	(\$189,698)	(\$11,419)	\$2,033	(\$6,367)	\$0	(\$15,753)	(\$70)	\$1,748	\$59	\$168	\$1,905
3,925	39,876	180,456	(22,280)	27,864	(325,119)	0	(319,535)	(19,377)	3,998	(1,842)	7,232	(9,989)
\$0.00000	(\$0.03495)	(\$0.08123)	(\$0.00678)	(\$0.00606)	(\$0.00017)	\$0.00000	(\$0.00150)	\$0.00466	\$0.00136	\$0.00163	\$0.00044	\$0.00138
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3,925	39,876	180,456	(22,280)	27,864	(325,119)	27,650	(291,885)	(19,377)	3,998	(1,842)	7,232	(9,989)
\$477	(\$161)	(\$189,698)	(\$11,419)	\$0	(\$4,334)	\$0	(\$15,753)	(\$70)	\$1,748	\$59	\$168	\$1,905
\$0	(\$2,137)	(\$2,137)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	(\$1,734)	\$0	(\$1,734)	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$51	\$0	(\$1,246)	\$0	(\$1,195)	\$70	\$0	(\$59)	(\$168)	(\$157)
\$0	\$0	\$0	(\$854)	\$0	(\$3,481)	\$0	(\$4,335)	(\$344)	\$0	(\$82)	\$25	(\$401)
\$0	\$0	\$0	(\$804)	\$0	(\$4,727)	\$0	(\$5,530)	(\$274)	\$0	(\$141)	(\$143)	(\$558)
\$477	(\$2,298)	(\$191,834)	(\$12,222)	\$0	(\$10,795)	\$0	(\$23,017)	(\$344)	\$1,748	(\$82)	\$25	\$1,347
\$477	(\$2,298)	(\$191,834)	(\$12,222)	\$0	(\$10,795)	\$0	(\$23,017)	(\$344)	\$1,748	(\$82)	\$25	\$1,347
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3,925	39,876	180,456	(22,280)	0	(297,255)	0	(319,535)	(19,377)	3,998	(1,842)	7,232	(9,989)

\$0.00000	(\$0.05075)	(\$0.08183)	(\$0.00731)	\$0.00000	(\$0.00201)	\$0.00000	(\$0.00332)	(\$0.00085)	\$0.00136	(\$0.00085)	(\$0.00085)	\$0.00099
<i>\$0.00000</i>	<i>(\$0.05075)</i>	<i>(\$0.08183)</i>	<i>(\$0.00731)</i>	<i>\$0.00000</i>	<i>(\$0.00201)</i>	<i>\$0.00000</i>	<i>(\$0.00332)</i>	<i>(\$0.00085)</i>	<i>\$0.00136</i>	<i>(\$0.00085)</i>	<i>(\$0.00085)</i>	<i>\$0.00000</i>
\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
<i>\$125</i>	<i>\$1,108</i>	<i>\$15,111</i>	<i>\$4,185</i>	<i>\$737</i>	<i>\$2,429</i>	<i>\$1,132</i>	<i>\$8,483</i>	<i>(\$48)</i>	<i>\$3,864</i>	<i>\$85</i>	<i>\$399</i>	<i>\$4,300</i>
\$602	(\$1,190)	(\$176,724)	(\$8,038)	\$737	(\$8,365)	\$1,132	(\$14,534)	(\$391)	\$5,612	\$3	\$423	\$5,647
\$0.00297	(\$0.04778)	(\$0.07854)	(\$0.00434)	\$0.00297	\$0.00114	\$0.00000	(\$0.00002)	\$0.00297	\$0.00439	\$0.00095	\$0.00212	\$0.00400

TLS:

DGN	TBS	Total Non Core	Total System \$000	NCCI-D	EG-D1	EG-D2	NCCI-T	EG-T	LB	SWG
\$71	\$0	\$2,118	\$185,520	(\$697)	\$900	\$899	(\$373)	(\$719)	\$291	\$259
\$0	\$0	(\$4,316)	(\$139,796)	(\$4,980)	\$784	(\$157)	\$0	\$0	\$0	\$0
\$0	\$0	(\$10,244)	(\$40,211)	(\$4,713)	\$239	(\$4,751)	\$0	(\$771)	\$0	\$0
\$547	\$0	\$16,682	\$32,096	\$2,541	\$650	(\$2,999)	\$2,240	\$7,740	\$59	\$138
\$210	\$0	\$8,249	\$16,329	\$835	\$228	(\$1,002)	\$781	\$4,614	\$58	\$111
\$0	\$0	\$1,667	\$12,895	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$186	\$0	\$10,326	\$17,575	\$1,500	\$175	(\$331)	\$1,175	\$4,564	\$109	\$114
\$0	(\$9,456)	(\$9,456)	(\$9,456)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$114)	\$0	(\$3,903)	(\$58,934)	(\$195)	(\$59)	(\$144)	(\$143)	(\$1,326)	(\$257)	(\$282)
\$0	\$0	\$74	\$769	\$8	\$7	(\$28)	\$16	\$70	\$0	\$0
\$0	\$0	\$0	\$1,111	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$901	(\$9,456)	\$11,197	\$17,898	(\$5,702)	\$2,923	(\$8,513)	\$3,697	\$14,170	\$260	\$339
(\$547)	\$0	(\$16,682)	(\$32,096)	(\$2,541)	(\$650)	\$2,999	(\$2,240)	(\$7,740)	(\$59)	(\$138)
(\$210)	\$0	(\$8,249)	(\$16,329)	(\$835)	(\$228)	\$1,002	(\$781)	(\$4,614)	(\$58)	(\$111)
\$211	\$0	\$6,303	\$14,384	\$835	\$228	(\$1,037)	\$781	\$4,649	\$58	\$111
\$354	(\$9,456)	(\$7,430)	(\$16,142)	(\$8,243)	\$2,274	(\$5,549)	\$1,457	\$6,466	\$200	\$201

				F&U Amount \$000	Total Allocated \$000							
\$0	\$0	(\$233)	\$0	\$0	\$0	(\$7)	\$31	(\$235)	\$19	(\$41)	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5	\$0	\$165	\$293	\$5	\$288	\$25	\$5	(\$21)	\$21	\$75	\$1	\$2
\$1	\$0	(\$162)	(\$216)	\$0	(\$216)	(\$22)	\$3	(\$35)	(\$13)	(\$62)	(\$4)	(\$2)
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1	\$0	\$56	\$95	\$0	\$95	\$8	\$1	(\$0)	\$6	\$25	\$1	\$1
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$43	\$0	\$288	\$1,113	\$18	\$1,095	\$60	\$60	(\$396)	\$86	\$207	(\$20)	\$5

\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1	\$0	\$9	\$25	\$0	\$25		\$2	\$1	(\$9)	\$2	\$7	(\$0)	\$0
\$50	\$0	\$123	\$1,310	\$23	\$1,287		\$67	\$102	(\$695)	\$122	\$212	(\$23)	\$6
												\$0	\$0
												0	0
\$0	\$0	\$7	\$117	\$2	\$115		\$3	\$0	\$1	\$0	\$1	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$771	\$13	\$757		\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$15)	\$0	(\$2,854)	(\$49,495)	\$0	(\$49,495)		(\$1,397)	(\$143)	(\$269)	(\$130)	(\$586)	(\$35)	(\$34)
\$0	\$0	(\$1,065)	(\$2,491)	\$0	(\$2,491)		(\$368)	(\$13)	(\$84)	(\$270)	(\$330)	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	(\$124,063)	(\$2,150)	(\$121,912)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	(\$144)	(\$144)	(\$2)	(\$141)		(\$90)	\$0	\$0	(\$54)	\$0	\$0	\$0
\$0	\$0	(\$372)	(\$560)	(\$10)	(\$551)		(\$248)	\$0	\$0	(\$124)	\$0	\$0	\$0
\$1	\$0	\$141	\$1,523	\$26	\$1,497		\$74	\$6	\$16	\$6	\$26	\$2	\$2
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$96	\$0	\$5,624	\$9,274	\$156	\$9,117		\$848	\$86	(\$54)	\$655	\$2,530	\$67	\$64
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$8)	\$0	(\$654)	(\$1,025)	(\$17)	(\$1,008)		(\$96)	(\$5)	(\$31)	(\$70)	(\$284)	(\$10)	(\$7)
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$49	\$0	\$0	\$0		\$1	(\$7)	\$49	(\$4)	\$9	\$0	\$0
(\$1)	\$0	(\$187)	(\$3,243)	(\$56)	(\$3,187)		(\$92)	(\$9)	(\$18)	(\$9)	(\$38)	(\$2)	(\$2)
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$16	\$0	\$1,630	\$1,630	\$27	\$1,603		\$603	\$129	\$30	\$105	\$468	\$24	\$23
(\$105)	\$0	(\$9,597)	(\$9,597)	(\$160)	(\$9,438)		(\$1,406)	(\$61)	(\$507)	(\$1,025)	(\$4,153)	(\$149)	(\$105)
\$87	\$0	\$3,824	\$7,315	\$126	\$7,189		\$744	\$79	(\$74)	\$575	\$2,211	\$63	\$54
\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$41)	\$0	(\$2,950)	(\$5,196)	(\$90)	(\$5,107)		(\$544)	(\$25)	(\$187)	(\$396)	(\$1,601)	(\$60)	(\$44)
(\$0)	\$0	(\$0)	(\$6)	(\$0)	(\$6)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$0)	\$0	(\$23)	(\$35)	(\$1)	(\$34)		(\$3)	(\$0)	(\$2)	(\$2)	(\$10)	(\$0)	(\$0)
(\$73)	\$0	(\$6,341)	(\$9,944)	(\$168)	(\$9,776)		(\$931)	(\$45)	(\$303)	(\$682)	(\$2,753)	(\$97)	(\$70)
(\$16)	\$0	(\$1,399)	(\$2,195)	(\$37)	(\$2,158)		(\$205)	(\$10)	(\$67)	(\$151)	(\$608)	(\$21)	(\$15)

(\$4)	\$0	(\$22)	\$0	\$0	\$0	\$89	(\$25)	\$61	(\$16)	(\$72)	(\$2)	(\$2)
(\$4)	\$0	(\$23)	\$0	\$0	\$0	\$95	(\$27)	\$65	(\$17)	(\$77)	(\$2)	(\$2)
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$29	\$508	\$9	\$500	\$14	\$1	\$3	\$1	\$6	\$0	\$0
\$0	\$0	\$21	\$372	\$6	\$366	\$11	\$1	\$2	\$1	\$4	\$0	\$0
\$19	\$0	(\$196)	(\$0)	(\$0)	\$0	(\$14)	\$30	(\$228)	\$13	(\$25)	(\$16)	(\$1)
\$0	\$0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(\$2)	\$0	(\$339)	(\$5,869)	(\$102)	(\$5,767)	(\$164)	(\$17)	(\$31)	(\$16)	(\$71)	(\$4)	(\$4)
(\$50)	\$0	(\$14,842)	(\$192,352)	(\$2,425)	(\$189,927)	(\$3,078)	(\$52)	(\$1,627)	(\$1,611)	(\$5,352)	(\$243)	(\$144)
												\$0
\$0	\$0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$353	(\$9,456)	(\$22,149)	(\$207,185)	\$0	0	(\$11,254)	\$2,323	(\$7,871)	(\$33)	\$1,326	(\$66)	\$63
(\$4)	\$0	(\$328)	(\$5,466)			(\$102)	(\$31)	\$6	(\$24)	(\$107)	(\$5)	(\$5)
\$1	\$0	(\$475)	\$0	0	0	(\$11)	\$9	(\$15)	\$6	\$27	\$1	\$1
\$0	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$351	(\$9,456)	(\$22,953)	(\$212,651)	\$0	0	(\$11,368)	\$2,301	(\$7,880)	(\$51)	\$1,246	(\$70)	\$59
21,400	0	(308,124)	(127,668)	0	0	(28,062)	34,356	(267,186)	5,782	(64,425)	(19,377)	(1,842)
\$0.00035	\$0.00000	(\$0.00238)	(\$0.01945)	\$0.00000	\$0.00000	(\$0.01088)	(\$0.02936)	\$0.14419	(\$0.00024)	\$0.00088	\$0.00466	\$0.00163
0.00%	0.00%	0.00%	0.00%	0.00%	\$0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
21,400	0	(280,474)	(100,018)	0	0	(28,062)	34,356	(267,186)	5,782	(64,425)	(19,377)	(1,842)
												\$0
												\$0
\$351	(\$9,456)	(\$22,953)	(\$212,651)	\$0	0	(\$11,368)	\$2,301	(\$7,880)	(\$51)	\$1,246	(\$70)	\$59
\$0	\$0	\$0	(\$2,137)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	(\$1,734)	(\$1,734)	\$0	\$0	\$0	(\$204)	(\$1,530)	\$0	\$0	\$0	\$0
(\$351)	\$0	(\$1,702)	(\$1,702)			\$0	\$0	\$0	\$51	(\$1,246)	\$70	(\$59)
\$234	\$0	(\$4,503)	(\$4,503)	(\$15,542)		\$0	\$0	\$0	(\$854)	(\$3,481)	(\$344)	(\$82)
(\$117)	\$0	(\$6,205)	(\$6,205)			\$0	\$0	\$0	(\$804)	(\$4,727)	(\$274)	(\$141)
\$234	(\$9,456)	(\$30,892)	(\$222,727)			(\$11,368)	\$2,097	(\$9,410)	(\$854)	(\$3,481)	(\$344)	(\$82)
\$234	(\$9,456)	(\$30,892)	(\$222,727)			\$0	\$0	\$0	\$0	\$0	(\$344)	(\$82)
\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0	\$0	\$0
21,400	0	(308,124)	(127,668)			(28,062)	34,356	(267,186)	5,782	(64,425)	(19,377)	(1,842)

(\$0.00085)	\$0.00000	(\$0.00381)	(\$0.02052)
<i>(\$0.00085)</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>(\$0.02052)</i>
<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
<i>\$615</i>	<i>\$0</i>	<i>\$13,399</i>	<i>\$28,509</i>
<i>\$849</i>	<i>(\$9,456)</i>	<i>(\$17,494)</i>	<i>(\$194,218)</i>
<i>\$0.00212</i>	<i>\$0.00000</i>	<i>(\$0.00060)</i>	<i>(\$0.01727)</i>

\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	(\$0.00085)	(\$0.00085)
<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>(\$0.00085)</i>	<i>(\$0.00085)</i>
<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
<i>\$2,132</i>	<i>\$782</i>	<i>(\$4,227)</i>	<i>\$2,052</i>	<i>\$6,611</i>	<i>(\$48)</i>	<i>\$85</i>
<i>(\$9,236)</i>	<i>\$3,083</i>	<i>(\$12,107)</i>	<i>\$2,002</i>	<i>\$7,857</i>	<i>(\$391)</i>	<i>\$3</i>
<i>(\$0.00789)</i>	<i>(\$0.02640)</i>	<i>\$0.14716</i>	<i>\$0.00273</i>	<i>\$0.00384</i>	<i>\$0.00297</i>	<i>\$0.00095</i>

Vernon	DGN	Total SCG's TLS
\$220	\$71	(\$251)
\$0	\$0	\$0
\$0	\$0	(\$771)
\$396	\$547	\$11,121
\$93	\$210	\$5,867
\$0	\$0	\$0
\$176	\$186	\$6,323
\$0	\$0	\$0
(\$208)	(\$114)	(\$2,331)
\$0	\$0	\$86
\$0	\$0	\$0
\$678	\$901	\$20,044
(\$396)	(\$547)	(\$11,121)
(\$93)	(\$210)	(\$5,867)
\$93	\$211	\$5,902
\$282	\$354	\$17,917

\$0	\$0	(\$22)
\$0	\$0	\$0
\$0	\$0	\$0
\$4	\$5	\$107
(\$1)	\$1	(\$81)
\$0	\$0	\$0
\$1	\$1	\$34
\$0	\$0	\$0
\$0	\$0	\$0
\$22	\$43	\$343

\$0	\$0	\$0
\$1	\$1	\$11
\$26	\$50	\$392
\$0	\$0	
0	0	
\$0	\$0	\$2
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
(\$25)	(\$15)	
\$0	\$0	
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	(\$54)
\$0	\$0	(\$124)
\$1	\$1	\$36
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$96	\$96	\$3,508
\$0	\$0	\$0
(\$9)	(\$8)	(\$388)
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$5
(\$2)	(\$1)	(\$54)
\$0	\$0	\$0
\$20	\$16	\$656
(\$136)	(\$105)	(\$5,674)
\$85	\$87	\$3,075
\$0	\$0	\$0
(\$53)	(\$41)	(\$2,195)
\$0	(\$0)	(\$0)
(\$0)	(\$0)	(\$13)
(\$91)	(\$73)	(\$3,765)
(\$20)	(\$16)	(\$831)

(\$3)	(\$4)	(\$100)
(\$3)	(\$4)	(\$107)
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$0
\$0	\$0	\$8
\$0	\$0	\$6
\$7	\$19	(\$3)
\$0	\$0	\$0
(\$3)	(\$2)	(\$99)
(\$136)	(\$50)	(\$7,536)
\$0	\$0	\$0
\$0	\$0	\$0
\$171	\$353	\$1,814
(\$5)	(\$4)	(\$150)
\$1	\$1	\$38
\$0	\$0	
\$168	\$351	\$1,702
7,232	21,400	(51,231)
\$0.00044	\$0.00035	\$0.00771
0.00%	0.00%	0.00%
7,232	21,400	(51,231)
\$0	\$0	\$0
\$0	\$0	\$0
\$168	\$351	\$1,702
\$0	\$0	\$0
\$0	\$0	\$0
(\$168)	(\$351)	
\$25	\$234	(\$4,503)
(\$143)	(\$117)	(\$6,205)
\$25	\$234	(\$4,503)
\$25	\$234	(\$168)
\$0	\$0	\$0
\$0	\$0	\$0
7,232	21,400	(51,231)

(\$0.00085)	(\$0.00085)	(\$0.00339)
(\$0.00085)	(\$0.00085)	(\$0.00339)
\$0.00000	\$0.00000	\$0.00000

\$399	\$615
\$423	\$849
\$0.00212	\$0.00212

**SoCalGas Residential Bill Impact
2016 TCAP Phase II Rates**

Notes:

- 1) G-CP rate from 06/2015
- 2) PPPS rate for non-care customer.
- 3) BL usage limits reflect Zone 1
- 4) G-SRF rate as of 1/2014

	Summer Average (May-Oct)	Winter Average (Nov-Apr)	Winter Peak (Nov- Apr)	Monthly Average (Jan-Dec)	Annual Charges (Jan-Dec)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
INPUT:																
Customer Charge \$/day =						\$0.32877	\$0.32877	\$0.32877	\$0.32877	\$0.32877	\$0.32877	\$0.32877	\$0.32877	\$0.32877	\$0.32877	\$0.32877
BL Rate \$/th =						\$0.31325	\$0.31325	\$0.31325	\$0.31325	\$0.31325	\$0.31325	\$0.31325	\$0.31325	\$0.31325	\$0.31325	\$0.31325
NBL Rate \$/th =						\$0.57325	\$0.57325	\$0.57325	\$0.57325	\$0.57325	\$0.57325	\$0.57325	\$0.57325	\$0.57325	\$0.57325	\$0.57325
G-CP \$/th =						\$0.33319	\$0.33319	\$0.33319	\$0.33319	\$0.33319	\$0.33319	\$0.33319	\$0.33319	\$0.33319	\$0.33319	\$0.33319
PPPS Non-CARE \$/th =						\$0.10738	\$0.10738	\$0.10738	\$0.10738	\$0.10738	\$0.10738	\$0.10738	\$0.10738	\$0.10738	\$0.10738	\$0.10738
G-SRF \$/th =						\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068	\$0.00068
BL Usage limit th/day =						1.691	1.691	1.691	1.691	0.473	0.473	0.473	0.473	0.473	0.473	1.691
# days in month =						31	28	31	30	31	30	31	31	30	31	30
BL usage limit th/mo =						52	47	52	51	15	14	15	15	14	15	51
CARE Discount						20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%

	1/1/2015	TCAP		% Change
		Proposed	\$/th Change	
SCG:				
Res	\$0.716	\$0.645	(\$0.071)	-10%
CCI CA	\$0.340	\$0.241	(\$0.099)	-29%
Gas A/C	\$0.141	\$0.095	(\$0.046)	-33%
Gas Engine	\$0.122	\$0.122	\$0.000	0%
NGV Uncompressed post-SW	\$0.130	\$0.077	(\$0.053)	-41%
Core Class Average	\$0.586	\$0.504	(\$0.082)	-14%
NCCI-D CA	\$0.070	\$0.059	(\$0.011)	-16%
EG-D Tier 1 post-SW	\$0.107	\$0.086	(\$0.020)	-19%
EG-D Tier 2 post-SW	\$0.036	\$0.045	\$0.009	25%
TLS-CI CA Rate (w/ csitma & carb adders)	\$0.018	\$0.017	(\$0.001)	-8%
TLS-EG CA Rate (w/carb adder)	\$0.016	\$0.014	(\$0.001)	-8%
UBS \$1,000/yr	\$26,476	\$17,020	(\$9,456)	-36%
BTS w/BTBA \$/dth/d	\$0.158	\$0.185	\$0.027	17%
System Average Rate w/ BTS	\$0.248	\$0.230	(\$0.017)	-7%

	1/1/2015	TCAP		% Change
		Proposed	\$/th Change	
SDGE:				
Res	\$0.921	\$0.742	(\$0.178)	-19%
CCI CA	\$0.349	\$0.165	(\$0.184)	-53%
NGV Uncompressed post-SW	\$0.132	\$0.076	(\$0.056)	-42%
Core Class Average	\$0.705	\$0.518	(\$0.187)	-27%
NCCI-D	\$0.054	\$0.017	(\$0.037)	-68%
EG-D Tier 1 post-SW	\$0.106	\$0.086	(\$0.020)	-19%
EG-D Tier 2 post-SW	\$0.036	\$0.045	\$0.009	26%
TLS-CI CA Rate (w/ csitma & carb adders)	\$0.019	\$0.015	(\$0.004)	-22%
TLS-EG CA Rate (w/carb adder)	\$0.015	\$0.014	(\$0.001)	-9%
System Average Rate	\$0.305	\$0.229	(\$0.075)	-25%

	1/1/2015	TCAP	TCAP	\$ Change	% Change
		Proposed w/o cust. chg.	Proposed w/ cust. chg.		
	A	B	C	D=(C-B)	E=(D/B)
SCG:					
Residential Class Average	\$41.54	\$39.85	\$39.73	(\$0.12)	-0.29%
Residential CARE	\$26.77	\$25.67	\$26.35	\$0.68	2.67%
Residential Baseline Only	\$33.02	\$31.65	\$32.52	\$0.87	2.74%
SDG&E:					
Residential Class Average	\$34.28	\$29.88	\$30.34	\$0.47	1.57%
Residential CARE	\$23.88	\$20.75	\$21.93	\$1.19	5.72%
Residential Baseline Only	\$32.45	\$28.28	\$28.97	\$0.68	2.40%

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
(\$4.83)	(\$3.62)	(\$1.86)	(\$0.38)	\$0.98	\$1.39	\$2.04	\$2.30	\$2.04	\$2.13	\$0.70	(\$2.27)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
(\$7.74)	(\$6.08)	(\$3.17)	(\$0.25)	\$2.93	\$3.37	\$4.26	\$4.78	\$4.36	\$4.57	\$1.88	(\$3.30)

SoCalGas - Transfer Data required to RUN Rate Design model
2016 TCAP Phase II Rates

Copy Values	Copy To (paste values)			Data From	Data To
	Copy From				
EOR-T Revenue	\$0	\$1,286	\$1,286	SCG RD Model / Trans Rate	SCG RD Model/ EOR
Post SW Average EG-D SCG Rate w/FFU \$/th	\$0.00000	\$0.07603	\$0.07603	EG-D Rates	SCG RD Model/ EOR
Base Line Rate \$/th= b1r based on DIFFERENCE CAP	\$0.00000	\$0.31104	\$0.31104	Res Rate	Res Rate
Base Line Rate \$/th= b1r based on RATIO	\$0.00000	\$0.25073	\$0.25073	Res Rate	Res Rate

Data to SDGE RD Model	Model / Source		
Allocated Local T under SI w/FFU \$000 Res	SCG RD Model/Local & BBT Costs	\$3,156	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 NGV	SCG RD Model/Local & BBT Costs	\$98	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 Core C&I	SCG RD Model/Local & BBT Costs	\$1,248	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 Total Core	SCG RD Model/Local & BBT Costs	\$4,502	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 NCCI	SCG RD Model/Local & BBT Costs	\$243	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 EG Tier 1	SCG RD Model/Local & BBT Costs	\$108	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 EG Tier 2	SCG RD Model/Local & BBT Costs	\$3,689	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 Total EG	SCG RD Model/Local & BBT Costs	\$3,796	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 Total NonCore	SCG RD Model/Local & BBT Costs	\$4,040	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000 System Total	SCG RD Model/Local & BBT Costs	\$8,542	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Res	SCG RD Model/Local & BBT Costs	\$6,610	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 NGV	SCG RD Model/Local & BBT Costs	\$345	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Core C&I	SCG RD Model/Local & BBT Costs	\$3,540	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Total Core	SCG RD Model/Local & BBT Costs	\$10,496	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 NCCI	SCG RD Model/Local & BBT Costs	\$839	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 EG Tier 1	SCG RD Model/Local & BBT Costs	\$397	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 EG Tier 2	SCG RD Model/Local & BBT Costs	\$12,104	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Total EG	SCG RD Model/Local & BBT Costs	\$12,502	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 Total NonCore	SCG RD Model/Local & BBT Costs	\$13,341	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000 System Total	SCG RD Model/Local & BBT Costs	\$23,837	copy to COST ALLOC tab
TLS Revenue NCCI-T EFBA Exempt \$000	SCG RD Model/Local T Rate	\$235	copy to Rate Tables
TLS Revenue EG-Tier T EFBA Exempt \$000	SCG RD Model/Local T Rate	\$28	copy to Rate Tables
TLS Revenue EG-Tier 2-T EFBA Exempt \$000	SCG RD Model/Local T Rate	\$7,829	copy to Rate Tables
TLS Class Average Rate NCCI T	SCG RD Model/Local T Rate	\$0.01369	copy to Rate Tables
TLS Class Average Rate EG T	SCG RD Model/Local T Rate	\$0.01369	copy to Rate Tables
Pre-SW TLS NCCI	SCG RD Model/Local T Rate	(\$41)	copy to Rate Tables
Post SW TLS NCCI	SCG RD Model/Local T Rate	\$235	copy to Rate Tables
Pre-SW TLS EG	SCG RD Model/Local T Rate	(\$2,190)	copy to Rate Tables
Post SW TLS EG	SCG RD Model/Local T Rate	\$7,857	copy to Rate Tables
EFBA adder	SCG RD Model/Local T Rate		copy to Rate Tables
TLS Revenue NCCI-T \$000	SCG RD Model/Local T Rate	\$235	copy to Rate Tables
TLS Revenue EG-Tier 1-T \$000	SCG RD Model/Local T Rate	\$28	copy to Rate Tables
TLS Revenue EG-Tier 2-T \$000	SCG RD Model/Local T Rate	\$7,829	copy to Rate Tables
TLS Volumes NCCI-T Mth/yr	SCG RD Model/Local T Rate	17,168	copy to Rate Tables
TLS Volumes EG-Tier1-T Mth/yr	SCG RD Model/Local T Rate	2,071	copy to Rate Tables
TLS Volumes EG-Tier2-T Mth/yr	SCG RD Model/Local T Rate	572,004	copy to Rate Tables
TLS SFV Mcapacity Reserved Mth/day	SCG RD Model/Local T Rate	n/a	copy to Rate Tables
TLS SFV Volumes Mth/year	SCG RD Model/Local T Rate	n/a	copy to Rate Tables
TLS ST VOL Volumes Mth/year	SCG RD Model/Local T Rate	n/a	copy to Rate Tables
TLS LT VOL Volumes Mth/year	SCG RD Model/Local T Rate	n/a	copy to Rate Tables
Est FAR Revenue from SDGE Res	SCG RD Model/Local & BBT Costs	\$6,749	copy to COST ALLOC tab
Est FAR Revenue from SDGE NGV	SCG RD Model/Local & BBT Costs	\$353	copy to COST ALLOC tab
Est FAR Revenue from SDGE CCI	SCG RD Model/Local & BBT Costs	\$3,614	copy to COST ALLOC tab
Est FAR Revenue from SDGE NCCI	SCG RD Model/Local & BBT Costs	\$857	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 1	SCG RD Model/Local & BBT Costs	\$406	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 2	SCG RD Model/Local & BBT Costs	\$12,359	copy to COST ALLOC tab
Est FAR Revenue from SDGE Customers	SCG RD Model/Local & BBT Costs	\$24,337	copy to COST ALLOC tab
SCG Transport Only Costs Allocated to SDGE Core & Dist \$000	SCG RD Model/SDGE Detail Alloc & WS Rate	\$6,348	Copy to Cost Alloc
SCG Core Seasonal Storage	SCG RD Model/SDGE Detail Alloc & WS Rate	\$7,481	copy to COST ALLOC tab
SCG Load Balancing Allocated to ALL SDGE \$000	SCG RD Model/Cost Alloc	\$3,610	copy to COST ALLOC tab
SCG Core Seasonal Storage HRSMA	SCG RD Model/Storage Rates	\$0	copy to COST ALLOC tab
SCG Load Balancing Allocated to ALL SDGE \$000 HRSMA	SCG RD Model/Storage Rates	\$0	copy to COST ALLOC tab
SFV Base Margin Items = Reservation Charge \$/dth/day	SCG RD Model / Trans Rate	\$0.00693	Copy to Rates Tables
ST Volumetric Base Margin Items \$/th	SCG RD Model / Trans Rate	\$0.01043	Copy to Rates Tables
TLS LT VOL Rate \$/th	SCG RD Model/TLS Rate	\$0.01043	copy to Rate Tables
TLS CA Usage Fee (non base margin items) \$/th	SCG RD Model / Trans Rate	\$0.00335	Copy to Rates Tables
TLS RS Usage Fee \$/th	SCG RD Model / Trans Rate	\$0.00335	Copy to Rates Tables
120% Class Average Volumetric Rate \$/th	SCG RD Model / Trans Rate	\$0.01584	
200% Class Average Volumetric Rate \$/th	SCG RD Model/EG-D Rates	\$0.01859	
EG Tier 1-D SW Volumetric Rate w/FFU \$/th Post-SW	SCG RD model/EG-D Rates	\$0.08467	
EG Tier 2-D SW Volumetric w/FFU Rate \$/th Post-SW	SCG RD model/EG-D Rates	\$0.04484	
EG Tier 1 (NoTLS) SW Volumetric Rate w/FFU \$/th Post-SW	SCG RD model/EG Rates NoTLS	n/a	
EG Tier 2 (NoTLS) SW Volumetric w/FFU Rate \$/th Post-SW	SCG RD model/EG Rates NoTLS	n/a	
SW Volumetric Rate w/FFU \$/th UnCompressed	SCG RD model/NGV Rates	\$0.07511	
SW Volumetric Rate w/FFU \$/th Compressed	SCG RD model/NGV Rates	\$1.03712	
SDGE ITBA Balance Post SI	SCG RD model/Misc Inputs	\$0	
Unbundled BBT amount w/FFU	SCG RD model/Misc Inputs	\$23,837	
BBT %	SCG RD model/Misc Inputs		
Local %	SCG RD model/Misc Inputs		
BTS Rate SFV \$/dth/day	SCG Rate Tables	\$0.18503	
Current BTS Rate SFV \$/dth/day	SCG Rate Tables	\$0.15777	

Data From SDGE RD Model		Model / Source
SDGE AYTP mth/yr Res	319,982	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Core C&I	182,660	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr NR A/C	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Gas Eng	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr NGV	18,501	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Total Core	521,144	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Non Core C&I	44,975	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr EG Tier 1	21,281	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr EG Tier 2	648,600	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr EOR	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Total Retail Non Core	714,857	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Long Beach	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr SDG&E	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Sout West Gas	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Vernon	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Total Whole sale	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr DGN	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr TBS	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Total Non Core	714,857	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Total System \$000	1,236,000	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Res	354,198	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Core C&I	189,687	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr NR A/C	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Gas Eng	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr NGV	18,501	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Total Core	562,386	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Non Core C&I	44,975	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr EG Tier 1	21,281	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr EG Tier 2	648,600	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr EOR	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Total Retail Non Core	714,857	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Long Beach	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr SDG&E	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Sout West Gas	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Vernon	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Total Whole sale	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr DGN	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr TBS	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Total Non Core	714,857	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Total System \$000	1,277,243	SDGE RD Model/ Alloc Factors
SDGE's Core AYTP Mth/yr	521,144	SDGE RD Model/ Alloc Factors
NCCI-Distribution AYTP mth/yr	27,807	SDGE RD Model/ Alloc Factors
EG-Tier 1 Distribution AYTP mth/yr	19,210	SDGE RD Model/ Alloc Factors
EG-Tier 2 Distribution AYTP mth/yr	76,596	SDGE RD Model/ Alloc Factors
SDGE's Core # customers	914,927	SDGE RD Model/ Alloc Factors
NCCI-Distribution # customers	42	SDGE RD Model/ Alloc Factors
EG-Tier 1 Distribution # customers	46	SDGE RD Model/ Alloc Factors
EG-Tier 2 Distribution # customers	7	SDGE RD Model/ Alloc Factors
NCCI-Transmission AYTP mth/yr	17,168	SDGE RD Model/ Alloc Factors
EG-Tier 1 Transmission AYTP mth/yr	2,071	SDGE RD Model/ Alloc Factors
EG-Tier 2 Transmission AYTP mth/yr	572,004	SDGE RD Model/ Alloc Factors
NCCI-Transmission # customers	10	SDGE RD Model/ Alloc Factors
EG-Tier 1 Transmission # customers	5	SDGE RD Model/ Alloc Factors
EG-Tier 2 Transmission # customers	13	SDGE RD Model/ Alloc Factors
Transmission Costs w/FFU \$000	38,229	SDGE RD Model/Cost Alloc
Compressor Volumes mth/yr	744	SDGE RD Model / NGV Rates
SDGE - NCCI-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	174	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Local Transmission Costs	93	SDGE RD Model / Detail Alloc
SDGE - NCCI-T HPD Costs	0	SDGE RD Model / Detail Alloc
SDGE - NCCI-T MPD Costs	0	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Other Operating Costs and Revenues	173	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Regulatory Accounts	(369)	SDGE RD Model / Detail Alloc
SDGE - NCCI-T ITBA Base Margin	21	SDGE RD Model / Detail Alloc
SDGE - EG-T ITBA Base Margin	691	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Transport Rev Req w/o BBT, w/ FFU & EOR Cr \$000/yr	(22)	SDGE RD Model / Detail Alloc
SDGE - EG-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	3,410	SDGE RD Model / Detail Alloc
SDGE - EG-T Local Transmission Costs	3,304	SDGE RD Model / Detail Alloc
SDGE - EG-T HPD Costs	0	SDGE RD Model / Detail Alloc
SDGE - EG-T MPD Costs	0	SDGE RD Model / Detail Alloc
SDGE - EG-T Other Operating Costs and Revenues	5,475	SDGE RD Model / Detail Alloc
SDGE - EG-T Regulatory Accounts	(11,078)	SDGE RD Model / Detail Alloc
SDGE CYPM mth/mo Res	51,533	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Core C&I	20,381	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo NR A/C	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Gas Eng	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo NGV	1,606	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total Core	73,520	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Non Core C&I	3,970	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 1	1,757	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 2	60,239	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EOR	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total Retail Non Core	65,967	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Long Beach	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo SDG&E	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Sout West Gas	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Vernon	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total Whole sale	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo DGN	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo TBS	0	SDGE RD Model / Alloc Factors

SDGE CYPM mth/mo Total Non Core	65,967	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total System \$000	139,487	SDGE RD Model / Alloc Factors
SDGE NonCore Embedded Customer Related Costs \$000	851	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Medium Pressure Distribution Costs \$000	2,265	SDGE RD Model/Cost Alloc
SDGE Non Core Embedded High Pressure Distribution Costs \$000	0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Transmission Costs \$000	21,396	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 RD Model/Cost Alloc
SDGE NonCore Embedded Non-DSM Marketing Related Costs \$000	0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Credit (EOR Revenues - EOR UAF) * 95% \$000	0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Less Allocated Transmission Cost \$000	0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Plus Allocated Local T under SI \$000	8,542	SDGE RD Model/Cost Alloc
Total Margin Allocation w/o SI, FAR, Fuel Use, FF&U	305,893	SDGE RD Model/Cost Alloc
Other Op	3,577	SDGE RD Model/Cost Alloc
SCG Storage Charges	11,350	SDGE RD Model/Cost Alloc
Reg Accounts	(30,337)	SDGE RD Model/Cost Alloc
Less EC Transmission	(38,229)	SDGE RD Model/Cost Alloc
Plus Local-T	0	SDGE RD Model/Cost Alloc
plus FAR revenue	24,337	SDGE RD Model/Cost Alloc
less local-T noncore trans cust costs	2,216	SDGE RD Model/Revenue Check
plus Reg Gap Revenue	8,107	SDGE RD Model/Revenue Check
plus new SCG Transport (i.e.RegGap SDGE C&D)	6,496	SDGE RD Model/Cost Alloc
SW Adjustments	5,928	SDGE RD Model/Revenue Check
EG Tier 1-D Pre-SW Total revenue \$000/yr	316	SDGE RD Model/EG-D Rates
EG Tier 1-D AYTP Mth/yr	19,210	SDGE RD Model/EG-D Rates
EG Tier 1-D Customer Charge Revenue \$000	28	SDGE RD Model/EG-D Rates
EG Tier 2-D Pre-SW Total revenue \$000/yr	(29)	SDGE RD Model/EG-D Rates
EG Tier 2-D AYTP Mth/yr	76,596	SDGE RD Model/EG-D Rates
EG Tier 2-D Customer Charge Revenue \$000	0	SDGE RD Model/EG-D Rates
EG Tier 1 Pre-SW Total revenue NoTLS \$000/yr	n/a	SDGE RD Model/EG Rates NoTLS
EG Tier 1 Customer Charge Revenue \$000	n/a	SDGE RD Model/EG Rates NoTLS
EG Tier 2 Pre-SW Total revenue NoTLS \$000/yr	n/a	SDGE RD Model/EG Rates NoTLS
EG Tier 1 NoTLS AYTP Mth/yr	21,281	SDGE RD Model/Alloc Factors
EG Tier 2 NoTLS AYTP Mth/yr	648,600	SDGE RD Model/Alloc Factors
Final Rev Req \$000	283,543	SDGE RD Model/Rate Tables
Pre-SW NGV Transportation Volumetric Revenue	540	SDGE RD Model / NGV Rates
Pre-SW NGV Customer Charge Revenue	12	SDGE RD Model / NGV Rates
NGV Transportation volumes mth/yr	18,501	SDGE RD Model / NGV Rates
NGV Post SW Customer Charge Revenue:	12	SDGE RD Model / NGV Rates
Pre SW NGV Compressor Revenue \$000	494	SDGE RD Model / NGV Rates
NGV Compressor Volumes Mth/yr	744	SDGE RD Model / NGV Rates
SDGE NCCI-T Direct Peak Day Demand Mth/day	49	SDGE RD Model / Alloc Factors
SDGE EG-T Direct Peak Day Demand Mth/day	1,987	SDGE RD Model / Alloc Factors
SDGE Core Cumulative Transmission Peak Day Mth/day	3,859	SDGE RD/Alloc Factors
SDGE Noncore Cumulative HP Distribution Peak Day Mth/day	348	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast AYTP Mth/yr	644,757	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYTP Mth/yr	686,000	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast # Customers	915,022	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYPM Mth/mo	84,010	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast AYTP Mth/yr	17,168	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYTP Mth/yr	17,168	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast # Customers	10	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYPM Mth/mo	1,516	SDGE RD/Alloc Factors
SDGE EG-T Forecast AYTP Mth/yr	574,075	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYTP Mth/yr	574,075	SDGE RD/Alloc Factors
SDGE EG-T Forecast # Customers	18	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYPM Mth/mo	53,961	SDGE RD/Alloc Factors
SDGE Local-T Costs Res	0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs CCI	0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs NGV	0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs NCCI	0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs EG Tier 1	0	SDGE RD Model/Cost Alloc
SDGE Local-T Costs EG Tier2	0	SDGE RD Model/Cost Alloc
SDGE BBT Costs Res	10,601	SDGE RD Model/Cost Alloc
SDGE BBT Costs CCI	5,677	SDGE RD Model/Cost Alloc
SDGE BBT Costs NGV	554	SDGE RD Model/Cost Alloc
SDGE BBT Costs NCCI	1,346	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier 1	637	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier2	19,413	SDGE RD Model/Cost Alloc
SDGE CoUse Transmission Costs	0	SDGE RD Model/Misc Inputs
SDGE Forecast AYTP Mth/yr Core	521,144	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr NCCI-D	27,807	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr EG-D	95,807	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr Core	562,386	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr NCCI-D	27,807	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr EG-D	95,807	SDGE RD/Alloc Factors
SDGE Forecast # Customers Core	914,927	SDGE RD/Alloc Factors
SDGE Forecast # Customers NCCI-D	42	SDGE RD/Alloc Factors
SDGE Forecast # Customers EG-D	53	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr Core	73,520	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr NCCI-D	2,455	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr EG-D	8,036	SDGE RD/Alloc Factors
SDGE FFU Rate	1	SDGE RD/Cost Alloc
FFU Rate Gross-to-Net Ratio	1	SDGE RD/Misc Inputs
SDGE Mbtu/mcf	1,020	SDGE RD/Misc Inputs
Authorized Base Margin in 2008GRC (excl misc revenue) \$000	286,919	SDGE RD/Revenue Check
Current Authorized Base Margin	305,893	SDGE RD/Revenue Check
Net System Integration	(29,687)	SDGE RD/Revenue Check
Other Operate Costs	21,424	SDGE RD/Revenue Check
Regulatory Accounts	(30,337)	SDGE RD/Revenue Check
SW NGV Adjustment	1,127	SDGE RD/Revenue Check
SW EG Adjustment	4,801	SDGE RD/Revenue Check
SW NGV & EG Adjustment	5,928	SDGE RD/Revenue Check
NET TLS Adjustment	10,323	SDGE RD/Revenue Check
Revenue Requirement w/oFAR	283,543	SDGE RD/Revenue Check
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	276,205	SDGE RD/Revenue Check
CSITMA allocated to SDGE's NCCI-T customers \$000	19	SDGE RD/Revenue Check
CSITMA allocated to SDGE's EG-T customers \$000	0	SDGE RD/Revenue Check
EFBA EG-D Tier 1	(1)	SDGE RD/Revenue Check
EFBA EG-D Tier 2	(3)	SDGE RD/Revenue Check
EFBA EG-T	(4)	SDGE RD/Revenue Check
EFBA NCCI-T	(1)	SDGE RD/Revenue Check
EFBA EG-T nonexempt volumes	102,991	SDGE RD/Revenue Check
EFBA NCCI-T nonexempt volumes	17,168	SDGE RD/Revenue Check

SOUTHERN CALIFORNIA GAS COMPANY

2016 Phase II TCAP

Section 2

NGV Compression Rate Adder Model

Workpapers to the Prepared Written Testimony of

Jason Bonnett

2016 TCAP Phase II Application
 NGV Compression Adder Revenue Requirement

NGV Station Costs \$000's	Total Public & Private Access		Public Access Station		Data Source
	\$000's/yr	\$/th	\$000's/yr	\$/th	
NGV Station Rate Base	\$5,126	\$1.77	\$2,398	\$1.14	Return tab
Rate of Return %	8.03%		8.03%		Return tab
Return on Ratebase	\$411	\$0.14	\$193	\$0.09	
Income Taxes	(\$13)	(\$0.00)	(\$6)	(\$0.00)	Return Tab
Ad Valorem Taxes	\$62	\$0.02	\$29	\$0.01	Return Tab
Depreciation Expense	\$844	\$0.29	\$357	\$0.17	NGV Dept
Capital Related Revenue Requirement	\$1,305	\$0.45	\$573	\$0.27	
NGV Station Throughput in CCF	2,903,421		2,098,538		
O&M Expense \$/th =	\$0.660	\$0.66	\$1,385	\$0.66	NGV Dept
Electricity Expense \$/th =	\$0.230	\$0.23	\$483	\$0.23	NGV Dept
Customer Related O&M	\$2,584	\$0.89	\$1,868	\$0.89	
Effective NGV Station Revenue Requirement	\$3,889	\$1.34	\$2,440	\$1.16	
Total NGV Station Throughput in therms	2,903,421		2,098,538		NGV Dept
Compression Throughput Mth/year	2,903	2,903	2,099	2,099	
Compression Rate \$/therm	\$1.34		\$1.16		
Sempra Wide Compressor Adder \$/therm			\$1.03134		SCG RD model/Rate tables

2016 TCAP Phase II Application
 Calculation of Capital Related costs

Calculation of NGV Station Capital related Costs \$000's	Total Public & Private Access \$000's/yr	Public Access Station \$000's/yr	Data Source
NBV of NGV Stations	\$10,565	\$4,943	Recorded 2014
Total NBV of Utility Gas Plant in Service	\$7,999,652	\$7,999,652	FERC Form 2 p.200
NBV Ratio	0.13%	0.06%	
Total Utility Rate Base	\$3,881,207	\$3,881,207	Recorded 2014
NBV Ratio	0.13%	0.06%	
NGV Station Ratebase	\$5,126	\$2,398	
Total Utility Income & CNG Fuel taxes	(\$9,725)	(\$9,725)	FERC Form 2 p.263a
NBV Ratio	0.13%	0.06%	
NGV Station Income & CNG Fuel taxes	(\$13)	(\$6)	
Total Utility AdValorem taxes	\$47,094	\$47,094	FERC Form 2 p.263a
NBV Ratio	0.13%	0.06%	
NGV Station Income & CNG Fuel taxes	\$62	\$29	

Calculation of Authorized ROR% and Total Return on Ratebase:

	Capital Ratio	Rate	ROR%
Long-Term Debt	45.60%	5.77%	2.63%
Preferred Stock	2.40%	6.00%	0.14%
Common Equity	52.00%	10.10%	5.25%
Total ROR%	100%		8.03%

SOUTHERN CALIFORNIA GAS COMPANY

2016 Phase II TCAP

Section 3

Submeter Credit Model

Workpapers to the Prepared Written Testimony of

Jason Bonnett

Step 1: Submetering Avoided Cost Credit

>> For multi-family dwelling units & mobile home parks supplied through one meter and submetered to all individual units (Schedule GS).
 >> Due to use of Subunit, Traditional Meter Capital and O&M Expenses Are Avoided. However, Savings Offset By Incurred Master Meter Capital and O&M Expenses.
 >> Master Meter Capital and O&M Expenses are Quantified on a Per Subunit Basis.
 >> Net Submetering Avoided Cost Credit = (Traditional Meter Capital and O&M) - (Master Meter Capital and O&M - Average No. of Subunits Per Master Meter)
 >> Adopted Proposal = Western Mobilehome Parkowners Association. From Exhibit No. 52-A, As Filed w/Scaling.

**SUBMETER AVOIDED COST CREDIT
 2016 TCAP Phase II Application**

		Avoided Cost Per Subunit (Single Family) (\$/cst/yr.)	Incurred Cost Per Master Meter (Small) (\$/cst/yr.)		
Capital Cost - Annual Revenue Requirement					
1	Meter	\$36.00	\$154.11	1	SCG LRM Customer Cost - Tab cust mc
2	Service Line	\$76.18	\$172.13	2	SCG LRM Customer Cost - Tab cust mc
3	Mains (Exclusive use)	\$0.00	\$0.00	3	SCG LRM Customer Cost - Tab cust mc
4	Subtotal Capital	\$112.18	\$326.24	4	
O&M Cost					
5	Meter O&M	\$1.47	\$6.21	5	SCG LRM Customer Cost - Tab cust mc
6	Service Line O&M	\$0.01	\$0.01	6	SCG LRM Customer Cost - Tab cust mc
7	Customer Services O&M	\$21.89	\$21.89	7	SCG LRM Customer Cost - Tab cust mc
8	Customer Accounts O&M	\$31.33	\$31.33	8	SCG LRM Customer Cost - Tab cust mc
	Customer Service & Information Cost (CSI) Costs O&M	\$4.29	\$4.29		
O&M Loaders					
9	A&G Loading	\$24.65	\$26.64	9	SCG LRM Customer Cost - Tab cust mc
10	General Plant Loading	\$17.82	\$19.26	10	SCG LRM Customer Cost - Tab cust mc
11	M&S Costs	\$0.20	\$0.21	11	SCG LRM Customer Cost - Tab cust mc
12	Subtotal O&M	\$101.66	\$109.84	12	
13	Net Capital + O&M Cost	\$213.85	\$436.09	13	
14	x Scaling Factor	76.75%	76.75%	14	SCG Cost Allocation
15	= Avoided / Incurred Cost / Yr	\$164.13	\$334.71	15	
16	÷ Number Months / Year	12	12	16	
17	= Avoided / Incurred Cost / Mo	\$13.68	\$27.89	17	
18	÷ Avg No. of Subunits Per Master Meter Account	1	79	18	Recorded 2014
19	= Incurred Cost Per Living Unit for Master Meter		\$0.35	19	
20	Net Avoided Cost / Month	\$13.33	<<< OUTPUT	20	<< Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.

Step 2: Daily Submetering Credit

>> The Submeter Avoided Cost Credit Is Provided As A Daily Credit for Tariff Reporting Purposes.
 >> Note: CARE Customers Receive the Submeter Avoided Cost Credit LESS the CARE Discount.

**DAILY SUBMETER CREDIT
 2016 TCAP Phase II Application**

Description		GS / GT - S (Dollars)	Care Rate GSL / GT - SL (Dollars)		
1	Net Avoided Cost / Month	\$13.33	\$13.33	1	
2	- SoCalGas Monthly Cust Charge	\$5.00	\$4.00	2	<<< Employs Current CARE Discount Rate of 20%
3	Submeter Credit / Month	\$8.33	\$9.33	3	<<< OUTPUT
4	x Number Months / Year	12	12	4	
5	Submeter Credit / Year	\$99.96	\$111.96	5	
6	÷ Number Days / Year	365	365	6	
7	= Submeter Credit / Day	\$0.27386	\$0.30674	7	<<< OUTPUT