

**SOUTHERN CALIFORNIA GAS COMPANY
2020 TCAP**

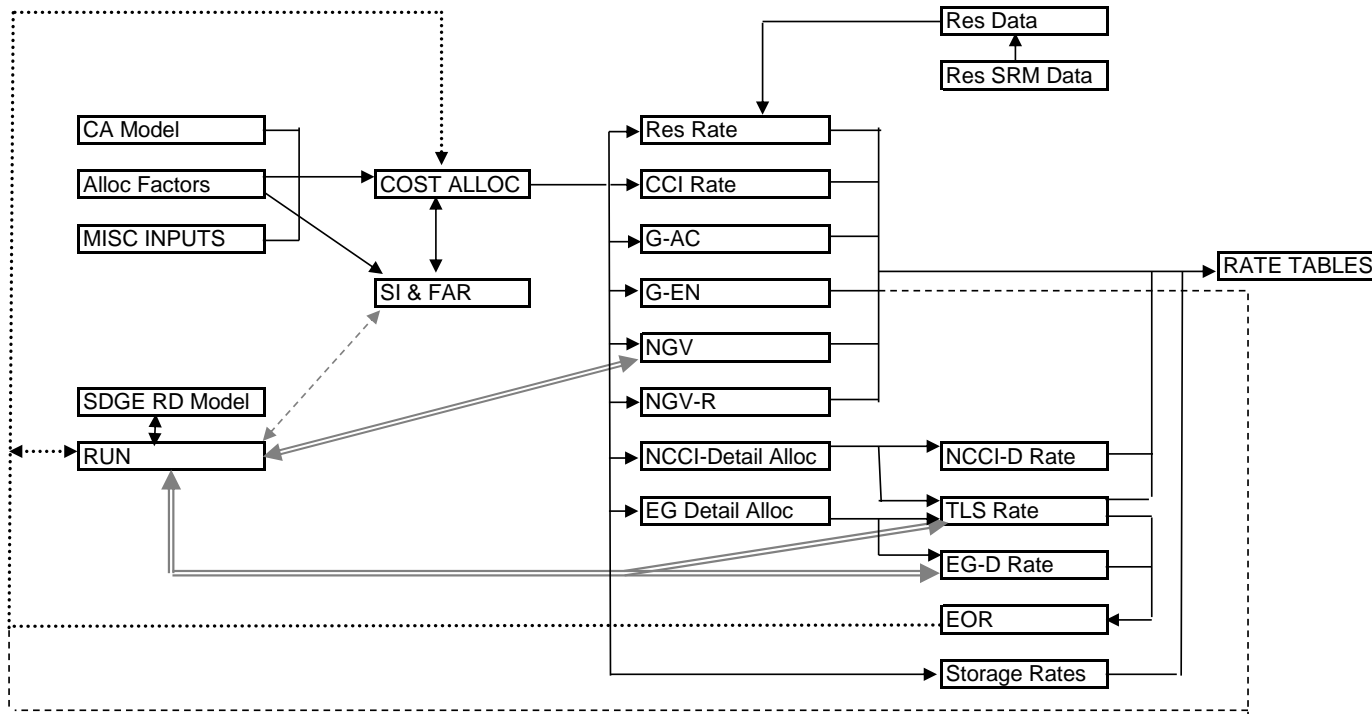
**Section 1
Rate Design Model**

**Workpapers to the Prepared Written Testimony of
Sharim Chaudhury**

**Transportation Rates and Revenues
Southern California Gas Company
2020 TRIENNIAL COST ALLOCATION PROCEEDING**

Worksheet Tab	Purpose
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3	Bill Insert
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SoCalGas - FLOWCHART of Rate Design model



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
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SOUTHERN CALIFORNIA GAS COMPANY
Illustrative Change in Class Average Rates Due to
Proposed TCAP Effective January 1, 2020

	Present Rates	Proposed Rates	¢/therm Change	% Change
Customer Class	(¢/therm)	(¢/therm)	(¢/therm)	
Residential (Core)*	74.8	74.3	(0.5)	-0.7%
Commercial/Industrial (Core)*	32.5	38.0	5.5	17.1%
Commercial/Industrial-Distribution Level (Noncore)**	7.7	8.4	0.8	10.1%
Electric Generation-Distribution Level Tier 1 (Noncore)**	12.7	12.9	0.2	1.9%
Electric Generation-Distribution Level Tier 2 (Noncore)**	5.6	7.4	1.8	31.5%
Transmission Level Service ***	2.1	2.9	0.8	37.6%
Backbone Transportation Service**** (¢/decatherm/day)	26.4	26.2	-0.1	-0.4%
System Total	28.0	28.8	0.8	2.9%

SAN DIEGO GAS & ELECTRIC COMPANY
Illustrative Change in Class Average Rates Due to
Proposed TCAP Effective January 1, 2020

	Present Rates	Proposed Rates	¢/therm Change	% Change
Customer Class	(¢/therm)	(¢/therm)	(¢/therm)	
Residential (Core)*	91.6	92.6	1.0	1.1%
Commercial/Industrial (Core)*	27.8	32.3	4.6	16.4%
Commercial/Industrial-Distribution Level (Noncore)**	11.7	9.9	-1.8	-15.4%
Electric Generation-Distribution Level Tier 1 (Noncore)**	12.7	13.0	0.3	2.0%
Electric Generation-Distribution Level Tier 2 (Noncore)**	5.6	7.4	1.8	31.7%
Transmission Level Service ***	2.1	2.9	0.8	38.4%
Backbone Transportation Service****	26.4	26.2	-0.1	-0.4%
System Total	29.8	34.2	4.4	14.8%

	Input/ Output			
	2020 TCAP \$10 customer charge 2a	July 1, 2018 ACTR Rates filing 1b	2020 TCAP \$10 customer charge 2a	2020 TCAP current customer charge 3b
<u>SCG Base Margin (preSI, wFAR, wBFEE, w/OFFU)</u>				
GRC Authorized Base Margin w/o ffu	\$2,068,987	\$2,068,987	\$2,068,987	\$2,068,987
FFU	\$36,294	\$36,294	\$36,294	\$36,294
GRC Authorized Base Margin w/ffu	\$2,105,281	\$2,105,281	\$2,105,281	\$2,105,281
2017 attrition w/ffu	\$74,033	\$74,033	\$74,033	\$74,033
2018 attrition w/ffu	\$76,618	\$76,618	\$76,618	\$76,618
Cost of Capital Adj w/ffu	(\$30,324)	(\$30,324)	(\$30,324)	(\$30,324)
Deferred Gain on Sale Amortization				
Total Base Margin in Rates	\$2,225,608	\$2,225,608	\$2,225,608	\$2,225,608
Honor Rancho - pre GRC				
SCG Aliso Canyon	\$32,856	\$27,348	\$32,856	\$32,856
<u>SDGEgas Base Margin (preSI, wFAR, wBFEE, w/OFFU)</u>				
GRC Authorized Base Margin w/o ffu	\$297,191	\$297,191	\$297,191	\$297,191
FFU	\$6,830	\$6,830	\$6,830	\$6,830
GRC Authorized Base Margin w/ffu	\$304,021	\$304,021	\$304,021	\$304,021
rounding adjustment	\$0	\$0	\$0	\$0
GRC Authorized Base Margin w/ffu	\$304,021	\$304,021	\$304,021	\$304,021
2017 attrition w/ffu	\$10,635	\$10,635	\$10,635	\$10,635
2018 attrition w/ffu	\$11,007	\$11,007	\$11,007	\$11,007
Cost of Capital Adj	(\$2,070)	(\$2,070)	(\$2,070)	(\$2,070)
AMI adjustment w/ffu				
Total Base Margin in Rates	323593	\$323,593	\$323,593	\$323,593
<u>Other Items:</u>				
SCG and SDG&E - Gas price for LUAF (\$/mmbtu)	\$2.77	\$3.12	\$2.77	\$2.77
SCG - Border Gas price for Res Bill (\$/mmbtu) - Futures Nov	\$2.44	\$2.44	\$2.44	\$2.44
SDGE - Border Gas price for Res Bill (\$/mmbtu) - Future Nov.	\$2.44	\$2.44	\$2.44	\$2.44
SCG - AMI w/o FFU	\$31,235	\$31,235	\$31,235	\$31,235
SDGE - AMI w/o FFU	\$0	\$0	\$0	\$0
SCG - Franchise Fees %	1.41360%	1.414%	1.414%	1.414%
SCG - Uncollectibles %	0.29800%	0.298%	0.298%	0.298%
SCG FFU Uncollectible rate adjustment for wholesale customers	98.058%	98.058%	98.058%	98.058%
SDGEgas Franchise Fees %	2.07270%	2.07270%	2.07270%	2.07270%

SCGgas - Uncollectibles %	0.17400%	0.17400%	0.17400%	0.17400%
SCG - Res. PPS	\$0.09402	\$0.09402	\$0.09402	\$0.09402
SCG - Res. CARE PPS	\$0.06977	\$0.06977	\$0.06977	\$0.06977
SDGE - Res PPS	\$0.06758	\$0.06758	\$0.06758	\$0.06758
SDGE - Res CARE PPS	\$0.05951	\$0.05951	\$0.05951	\$0.05951
SCG - Core C&I PPS	\$0.06416	\$0.06416	\$0.06416	\$0.06416
SDGE - Core C&I PPS	\$0.05956	\$0.05956	\$0.05956	\$0.05956
G-SRF	\$0.00166	\$0.00166	\$0.00166	\$0.00166
SCG AB32 Annual Fees Rev Req w/o ffu	\$4,536	\$4,536	\$4,536	\$4,536
SDG&E AB32 Annual Fees Rev Req w/o ffu	\$560	\$560	\$560	\$560
SCG - Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement	\$0	\$0	\$0	\$0
SCG - Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0
SCG - Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0
SDGE - Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement	\$0	\$0	\$0	\$0
SDGE - Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0
SDGE - Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0
SCG				
Affiliate Transfer Fee Account (ATFA)	(\$157)	(\$157)	(\$157)	(\$157)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	(\$35)	(\$35)	(\$35)	(\$35)
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)	\$279	\$279	\$279	\$279
GRCRMA w/ FFU	\$0	\$0	\$0	\$0
GRCRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$204)	(\$204)	(\$204)	(\$204)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account - Non NGV (CFCA)	\$133,930	\$133,930	\$133,930	\$133,930
Core Fixed Cost Account - NGV (CFCA)	\$824	\$824	\$824	\$824
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$732	\$732	\$732	\$732
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$13,625	\$13,625	\$13,625	\$13,625
Enhanced Oil Recovery Account (EORA)	(\$4,274)	(\$4,274)	(\$4,274)	(\$4,274)
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) Local Transmission	\$5,653	\$5,653	\$5,653	\$5,653
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$1,372	\$1,372	\$1,372	\$1,372
Honor Rancho Storage Memorandum Account (HRSMA)	\$0	\$0	\$0	\$0
Intervenor Award Memorandum Account (IAMA)	\$1,069	\$1,069	\$1,069	\$1,069
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$220	\$220	\$220	\$220
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$5,342	\$5,342	\$5,342	\$5,342
Master Meter Transfer Balancing Account (MTTA)	\$0	\$0	\$0	\$0
Model Input				

New Environmental Regulatory Balancing Account (NERBA) - Admin Fees Subaccount	\$1,493	\$1,493	\$1,493	\$1,493
New Environmental Regulatory Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0
New Environmental Regulatory Balancing Account (NERBA) - Subpart W	\$138	\$138	\$138	\$138
Noncore Fixed Cost Account (NFCA) Margin	(\$4,023)	(\$4,023)	(\$4,023)	(\$4,023)
Noncore Fixed Cost Account (NFCA) Nonmargin	\$850	\$850	\$850	\$850
Integrated Transmission Balancing Account (ITBA) Margin	\$2,114	\$2,114	\$2,114	\$2,114
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$1,670	\$1,670	\$1,670	\$1,670
Compression Services Balancing Account (CSBA)	(\$22)	(\$22)	(\$22)	(\$22)
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$542)	(\$542)	(\$542)	(\$542)
System Reliability Memorandum Account (SRMA)	\$7,809	\$7,809	\$7,809	\$7,809
Noncore Storage Balancing Account (NSBA)	\$10,308	\$10,308	\$10,308	\$10,308
Pension Balancing Account (PBA)	(\$2,881)	(\$2,881)	(\$2,881)	(\$2,881)
PBOP Balancing Account (PBOPBA)	(\$1,658)	(\$1,658)	(\$1,658)	(\$1,658)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$1,466	\$1,466	\$1,466	\$1,466
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$1,090	\$1,090	\$1,090	\$1,090
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$10,812	\$10,812	\$10,812	\$10,812
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$39,521	\$39,521	\$39,521	\$39,521
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$3,374	\$3,374	\$3,374	\$3,374
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	\$8,968	\$8,968	\$8,968	\$8,968
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	(\$71)	(\$71)	(\$71)	(\$71)
Self-Generation Program Memorandum Account (SGPMA)	\$24,000	\$24,000	\$24,000	\$24,000
System Operator Gas Account (SOGA)	\$102	\$102	\$102	\$102
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$627	\$627	\$627	\$627
Total Regulatory Accounts	\$263,524	\$263,524	\$263,524	\$263,524
Backbone Transmission Balancing Acct (BTBA):				
SCG Southern System Expansion (w/oFFU) \$000/yr				
PSRMA-BBT SCG	\$2,976	\$2,976	\$2,976	\$2,976
PSRMA-BBT SDG&E	\$0	\$0	\$0	\$0
SECCBA-BBT SCG	\$12,290	\$12,290	\$12,290	\$12,290
SECCBA-BBT SDG&E	\$234	\$234	\$234	\$234
SEEBBA-BBT SCG	\$15,527	\$15,527	\$15,527	\$15,527
SEEBBA-BBT SDG&E	\$0	\$0	\$0	\$0
TIMPBA-BBT SCG	\$15,002	\$15,002	\$15,002	\$15,002
TIMPBA-BBT SDGE	\$3,162	\$3,162	\$3,162	\$3,162
Backbone Transmission Balancing Acct (BTBA) w/o FFU \$000/yr	(\$9,143)	(\$9,143)	(\$9,143)	(\$9,143)
Backbone Transmission Balancing Acct (BTBA) and TIMPBA w/o FFU \$000/yr	\$40,048	\$40,048	\$40,048	\$40,048
SDG&E				
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$568	\$568	\$568	\$568
Baseline Balance BA	\$0	\$0	\$0	\$0
CFCA -Margin Only	\$25,990	\$25,990	\$25,990	\$25,990

CFCA - NGV	\$666	\$666	\$666	\$666
CFCA -Nonmargin Other	\$566	\$566	\$566	\$566
CFCA -Nonmargin SCG	\$29	\$29	\$29	\$29
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) Local T	\$830	\$830	\$830	\$830
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$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	\$509	\$509	\$509	\$509
Master Meter Balancing Account (MMBA)	\$987	\$987	\$987	\$987
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0
New Envirnomental Regulatory Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0
New Envirnomental Regulatory Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0
New Envirnomental Regulatory Balancing Account (NERBA) - Subpart W	\$0	\$0	\$0	\$0
NFCA -Margin Only	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	\$268	\$268	\$268	\$268
NFCA -Nonmargin SCG	\$2,604	\$2,604	\$2,604	\$2,604
NGVA	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0
PBOPBA	(\$519)	(\$519)	(\$519)	(\$519)
Pension BA	\$4,070	\$4,070	\$4,070	\$4,070
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$219	\$219	\$219	\$219
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$1,616	\$1,616	\$1,616	\$1,616
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$14,531	\$14,531	\$14,531	\$14,531
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$504	\$504	\$504	\$504
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	\$1,672	\$1,672	\$1,672	\$1,672
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$396	\$396	\$396	\$396
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	\$2,265	\$2,265	\$2,265	\$2,265
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$319	\$319	\$319	\$319
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0
GRCRRMA	\$0	\$0	\$0	\$0
GRCMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	\$1,601	\$1,601	\$1,601	\$1,601
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$59,691	\$59,691	\$59,691	\$59,691

Embedded Storage Cost \$000's w/ffu	\$128,748	\$83,586	\$128,748	\$128,748
HRSMA Balance \$000 w/ ffu	\$0	\$0	\$0	\$0
SCG - Aliso Canyon \$000 w/o FFU	\$32,856	\$27,000	\$32,856	\$32,856
	\$161,604	\$110,586	\$161,604	\$161,604
<u>Storage Proposed \$'s</u>				
CORE Injection \$000	\$32,986	\$14,208	\$32,986	\$32,986
CORE Inventory \$000	\$36,677	\$22,155	\$36,677	\$36,677
CORE Withdrawal \$000	\$22,532	\$23,580	\$22,532	\$22,532
Load Balancing Injection \$000	\$38,957	\$16,434	\$38,957	\$38,957
Load Balancing Inventory \$000	\$10,779	\$2,135	\$10,779	\$10,779
Load Balancing Withdrawal \$000	\$19,672	\$8,783	\$19,672	\$19,672
UBS Injection \$000	\$0	\$6,220	\$0	\$0
UBS Inventory \$000	\$0	\$12,572	\$0	\$0
UBS Withdrawal \$000	\$0	\$4,498	\$0	\$0
Total	\$161,604	\$110,586	\$161,604	\$161,604
BTS Rate:				
BBT Demand Dth/d	2,689,863	2,689,863	2,689,863	2,689,863
<u>TCAP Changes</u>				
Demand Forecast and other changes (1= old, 2 =new)	2	1	2	2
<u>SoCalGas</u>				
Residential Customer charge	\$10.00	\$5.00	\$10.00	\$5.00
<u>SDG&E</u>				
Residential Customer charge/Minimum Charge	\$10.00	\$3.00	\$10.00	\$3.00
TCAP Costs:				
<u>SoCalGas</u>				
LRMC Customer Costs \$/customer				
Residential	\$294.03	\$177.67	\$294.03	\$294.03
CCI	\$1,473.84	\$535.56	\$1,473.84	\$1,473.84
G-AC	\$6,882.66	\$4,894.04	\$6,882.66	\$6,882.66
G-GEN	\$17,981.93	\$3,983.71	\$17,981.93	\$17,981.93
NGV	\$45,590.19	\$20,164.57	\$45,590.19	\$45,590.19
NCCI	\$55,139.74	\$24,167.47	\$55,139.74	\$55,139.74
EG Tier 1	\$26,034.22	\$27,318.17	\$26,034.22	\$26,034.22
EG Tier 2	\$154,535.16	\$91,072.82	\$154,535.16	\$154,535.16
EOR	\$84,456.75	\$60,889.20	\$84,456.75	\$84,456.75
Long Beach	\$783,172.48	\$585,007.21	\$783,172.48	\$783,172.48
SDG&E	\$1,397,485.22	\$836,175.87	\$1,397,485.22	\$1,397,485.22
South West Gas	\$687,222.92	\$592,651.35	\$687,222.92	\$687,222.92

Vernon	\$469,030.64	\$383,708.45	\$469,030.64	\$469,030.64
Ecogas	\$182,622.84	\$178,481.39	\$182,622.84	\$182,622.84
UBS	\$0.00	\$0.00	\$0.00	\$0.00
Replacement Adder	1.5%	1.5%	1.5%	1.5%
LRMC Distribution				
MPD LRMC (\$/Mcf)	\$198.08	\$199.44	\$198.08	\$198.08
HPD LRMC (\$/Mcf)	\$4.04	\$1.91	\$4.04	\$4.04
NGV Compression Costs \$000	\$2,914	\$2,440	\$2,914	\$2,914
NGV Compression Volumes (Mth)	2,833	2,099	2,833	2,833
Submeter Credit				
Submeter Credit, \$/day/unit	(\$0.13742)	(\$0.27386)	(\$0.13742)	(\$0.30181)
Submeter Credit Care Rate, \$/day/unit	(\$0.20318)	(\$0.30674)	(\$0.20318)	(\$0.33468)
<u>Transmisison Costs per Embedded Cost Method:</u>				
Embedded Transmission Costs \$000	\$244,299	\$245,933	\$244,299	\$244,299
BBT \$	\$173,572	\$171,727	\$173,572	\$173,572
Target BBT\$	\$213,226	\$217,993	\$213,226	\$213,226
FFU on T&S	2	1	2	2
Exchange Revenues	343	\$118	\$343	\$343
<u>SDGE</u>				
LRMC Customer Costs \$/customer				
Residential	\$234.46	\$225.87	\$234.46	\$234.46
NGV	\$1,081.51	\$3,297.00	\$1,081.51	\$1,081.51
CCI	\$436.66	\$377.07	\$436.66	\$436.66
Total NCCI	\$2,469.36	\$7,092.95	\$2,469.36	\$2,469.36
EG Tier 1	\$1,833.47	\$5,209.59	\$1,833.47	\$1,833.47
EG Tier 2	\$3,171.57	\$6,297.08	\$3,171.57	\$3,171.57
Replacement Adder	1.5%	1.5%	1.5%	1.5%
LRMC Distribution				
MPD LRMC (\$/Mcf)	\$274.34	\$242.50	\$274.34	\$274.34
HPD LRMC (\$/Mcf)	\$54.44	\$24.41	\$54.44	\$54.44
NGV Compression Costs \$000	\$633	\$494	\$633	\$633
NGV Compression Volumes	628	744	628	628
Submeter Credit				
Submeter Credit Multifamily, \$/day/unit	(\$0.26499)	(\$0.38268)	(\$0.26499)	(\$0.59375)
Submeter Credit Mobile home, \$/day/unit	(\$0.28570)	(\$0.40932)	(\$0.28570)	(\$0.61447)

<u>Transmission Costs per Embedded Cost Method:</u>				
Embedded Transmission Costs \$000	\$39,654	\$46,266	\$39,654	\$39,654
Transition Adjustment SoCalGas CCI to Residential		\$4,000		
Transition Adjustment SDGE NCCI -D to EGD-1		\$500		
SGPMA Allocation (1=old, 2=New)	2	1	2	2

RESULTS:

SoCalGas Core Procurement Price \$/th

SoCal Border price	\$0.24430	\$0.24430	\$0.24430	\$0.24430
Brokerage Fee	\$0.00207	\$0.00204	\$0.00207	\$0.00207
Subtotal	\$0.24637	\$0.24634	\$0.24637	\$0.24637
FFU	101.7370%	101.7370%	101.7370%	101.7370%
Subtotal with FFU	\$0.25065	\$0.25062	\$0.25065	\$0.25065
Backbone Transmission Service \$/th/day	\$0.02624	\$0.02635	\$0.02624	\$0.02624
SCG Gas Procurement (\$/th)	\$0.27690	\$0.27698	\$0.27690	\$0.27690

SDG&E Gas Core Procurement Price \$/th

SoCal Border price	\$0.24430	\$0.24430	\$0.24430	\$0.24430
Brokerage Fee	\$0.00207	\$0.00204	\$0.00207	\$0.00207
Subtotal	\$0.24637	\$0.24634	\$0.24637	\$0.24637
FFU	102.2946%	102.2946%	102.2946%	102.2946%
Subtotal with FFU	\$0.25203	\$0.25200	\$0.25203	\$0.25203
Backbone Transmission Service \$/th/day	\$0.02624	\$0.02635	\$0.02624	\$0.02624
SDG&E Gas Procurement (\$/th)	\$0.27827	\$0.27835	\$0.27827	\$0.27827

Summary of Storage Costs allocation to Function:

Core \$000	\$93,797	\$59,943	\$93,797	\$93,797
Load Balancing \$000	\$70,614	\$27,353	\$70,614	\$70,614
Unbundled Storage \$000	\$0	\$23,290	\$0	\$0
	\$164,411	\$110,586	\$164,411	\$164,411

SCG Residential Bill

Residential Class Monthly Average (Jan-Dec)	\$36.04	\$37.60	\$36.04	\$36.81
Single Family Monthly Average (Jan-Dec)	\$37.82	\$39.56	\$37.82	\$38.74
Multi Family Monthly Average (Jan-Dec)	\$21.72	\$20.67	\$21.72	\$20.24
CARE Monthly Average (Jan-Dec)	\$23.89	\$24.60	\$23.89	\$24.07

SDGEgas Residential Bill

Residential Class Monthly Average (Jan-Dec)	\$30.85	\$29.71	\$30.85	\$30.66
Single Family Monthly Average (Jan-Dec)	\$33.20	\$32.56	\$33.20	\$33.60
Multi Family Monthly Average (Jan-Dec)	\$23.20	\$18.84	\$23.20	\$19.44

CARE Monthly Average (Jan-Dec)	\$22.55	\$20.85	\$22.55	\$21.51
<u>SCG C&I Bill - Average (300 th/month)</u>	\$299.13	\$269.28	\$299.13	\$299.13
<u>SCG C&I Bill - Average (500 th/month)</u>	\$437.88	\$397.50	\$437.88	\$437.88
<u>SCG C&I Bill - Average (6250 th/month)</u>	\$4,002.44	\$3,737.76	\$4,002.44	\$4,002.44
<u>SCG C&I Bill - Average (12500 th/month)</u>	\$7,064.48	\$6,706.22	\$7,064.48	\$7,064.48
<u>SCG C&I Bill - Average (20833 th/month)</u>	\$11,147.05	\$10,664.02	\$11,147.05	\$11,147.05
<u>SDGE C&I Bill - Average (300 th/month)</u>	\$230.62	\$211.30	\$230.62	\$230.62
<u>SDGE</u>				
Medium C&I average bill \$/month - 1,000 th/month	\$745.40	\$680.99	\$745.40	\$745.40
Large C&I average bill \$/month - 6,250 th/month	\$3,757.15	\$3,514.88	\$3,757.15	\$3,757.15
Large and Medium C&I average bill \$/month - 7,250 th/month	\$4,330.82	\$4,054.67	\$4,330.82	\$4,330.82
<u>Transportation Rates: SCG</u>				
Residential				
Customer Charge	\$10.00	\$5.00	\$10.00	\$5.00
BaseLine Rate	\$0.30908	\$0.53910	\$0.30908	\$0.51432
NonBaseLine Rate	\$0.85348	\$0.86782	\$0.85348	\$0.85284
Residential Class Average	\$0.74324	\$0.74844	\$0.74324	\$0.74324
Core Commercial				
Customer Charge	\$15.00	\$15.00	\$15.00	\$15.00
Tier 1 = 250th/mo	\$0.65506	\$0.54611	\$0.65506	\$0.65506
Tier 2 = next 4167 th/mo	\$0.35105	\$0.29831	\$0.35105	\$0.35105
Tier 3 = over 4167 th/mo	\$0.14721	\$0.13216	\$0.14721	\$0.14721
Core Commercial Class Average	\$0.38013	\$0.32464	\$0.38013	\$0.38013
Natural Gas Vehicle - uncompressed	\$0.12926	\$0.11252	\$0.12926	\$0.12926
Gas Air Conditioning	\$0.15857	\$0.15436	\$0.15857	\$0.15857
Gas Engine	\$0.16318	\$0.16141	\$0.16318	\$0.16318
Average Core	\$0.60758	\$0.59890	\$0.60758	\$0.60758
NonCore C&I - Distribution				
Customer Charge	\$350.00	\$350.00	\$350.00	\$350.00
Tier 1 = 250kth/yr	\$0.18595	\$0.16045	\$0.18595	\$0.18595
Tier 2 = 250k-1000k	\$0.11638	\$0.10216	\$0.11638	\$0.11638
Tier 3 = 1 to 2 million th/yr	\$0.07188	\$0.06487	\$0.07188	\$0.07188
Tier 4 = over 2 million th/yr	\$0.04008	\$0.03822	\$0.04008	\$0.04008
NonCore C&I Class Average Distribution	\$0.08449	\$0.07674	\$0.08449	\$0.08449
EG-Distribution w/carb adder:				
EG-Distribution - Tier 1 w/carb and GHG adder \$/therm	\$0.12911	\$0.12666	\$0.12911	\$0.12911
EG-Distribution - Tier 2 w/carb and GHG adder \$/therm	\$0.07354	\$0.05593	\$0.07354	\$0.07354

Transmission Level Service:				
TLS-CI CA Rate (w/ csitma & carb, GHG adders) \$/therm	\$0.03248	\$0.02442	\$0.03248	\$0.03248
TLS-CI RS rate \$/therm/day	\$0.00963	\$0.00671	\$0.00963	\$0.00963
TLS -CI Usage rate (w/carb and csitma, GHG adders) \$/therm	\$0.01818	\$0.01403	\$0.01818	\$0.01818
TLS-EG CA Rate (w/carb, GHG adder) \$/therm	\$0.02937	\$0.02134	\$0.02937	\$0.02937
TLS-EG RS rate \$/therm/day	\$0.00963	\$0.00671	\$0.00963	\$0.00963
TLS -EG Usage rate (w/carb adder) \$/therm	\$0.01508	\$0.01095	\$0.01508	\$0.01508
TLS-Wholesale CA Rate \$/therm	\$0.02827	\$0.02028	\$0.02827	\$0.02827
TLS- Wholesale RS rate \$/therm/day	\$0.00960	\$0.00669	\$0.00960	\$0.00960
TLS -Wholesale Usage rate \$/therm	\$0.01402	\$0.00991	\$0.01402	\$0.01402
Average Noncore	\$0.04046	\$0.03090	\$0.04046	\$0.04046
Backbone Transmission Service \$/dth/day	\$0.26245	\$0.26353	\$0.26245	\$0.26245
Unbundled Storage \$000's	\$0	\$23,290	\$0	\$0
System Average Rate without BTS \$/therm	\$0.26009	\$0.25274	\$0.26009	\$0.26009
System Average Rate with BTS \$/therm	\$0.28828	\$0.28021	\$0.28828	\$0.28828
CARB Fee Credit	(\$0.00101)	(\$0.00100)	(\$0.00101)	(\$0.00101)
GHG fee Credit	\$0.00000	\$0.00000	\$0.00000	\$0.00000
SCG RRQ \$millions (from rate tables tab)	\$2,635	\$2,639	\$2,635	\$2,635
<u>SCG AL</u>				
NGV Adjustment	(\$292)	(\$260)	(\$292)	(\$292)
Sempra-wide EG adjustment	(\$989)	(\$1,784)	(\$989)	(\$989)
Transmission Level Service (TLS) adjustment	\$719	\$2,492	\$719	\$719
EOR and other adjustment	(\$14,964)	(\$12,303)	(\$14,964)	(\$14,964)
Total	(\$15,526)	(\$11,855)	(\$15,526)	(\$15,526)
<u>Table</u>				
Core	\$2,151	\$2,178	\$2,151	\$2,151
Noncore	\$227	\$202	\$227	\$227
Backbone Transportation Service BTS	\$258	\$259	\$258	\$258
SCG RRQ \$millions (from rate tables tab)	\$2,635	\$2,639	\$2,635	\$2,635
<u>Table (Increase or Decrease from Current Rates)</u>				
Core	(\$27.0)	\$15.5	(\$27.0)	(\$27.0)
Noncore	\$42.1	\$4.8	\$42.1	\$42.1
OTHER SERVICES (SDG&E, UBS, & BTS)	(\$18.4)	\$7.2	(\$18.4)	(\$18.4)
SCG RRQ \$millions (from rate tables tab)	(\$3.3)	\$27.6	(\$3.3)	(\$3.3)
<u>Transportation Rates: SDGE</u>				
Residential				
Customer Charge	\$10.00	\$3.00	\$10.00	\$3.00
BaseLine Rate	\$0.49019	\$0.86999	\$0.49017	\$0.90889
NonBaseLine Rate	\$1.07719	\$1.04686	\$1.07716	\$1.09084
Residential Class Average	\$0.92590	\$0.91560	\$0.92590	\$0.92590

Core Commercial				
Customer Charge	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 = 0 to 1,000 therms/month	\$0.39590	\$0.33142	\$0.39590	\$0.39590
Tier 2 = 1,001 to 21,000 therms/month	\$0.23417	\$0.20022	\$0.23417	\$0.23417
Tier 3 = over 21,000 therms/month	\$0.18849	\$0.16315	\$0.18849	\$0.18849
Core Commercial Class Average	\$0.32346	\$0.27781	\$0.32346	\$0.32346
Natural Gas Vehicle - uncompressed	\$0.12984	\$0.11335	\$0.12984	\$0.12984
Average Core	\$0.67057	\$0.66505	\$0.67057	\$0.67057
NonCore C&I - Distribution				
Customer Charge	\$350.00	\$350.00	\$350.00	\$350.00
Volumetric Charge	\$0.09269	\$0.11072	\$0.09269	\$0.09269
NonCore C&I - Distribution	\$0.09876	\$0.11678	\$0.09876	\$0.09876
EG-Distribution w/carb adder:				
EG-Distribution - Tier 1 w/carb adder	\$0.12963	\$0.12711	\$0.12963	\$0.12963
EG-Distribution - Tier 2 w/carb adder	\$0.07376	\$0.05599	\$0.07376	\$0.07376
Transmission Level Service:				
TLS-CI CA Rate (w/ csitma & carb adders) \$/therm	\$0.03253	\$0.02452	\$0.03253	\$0.03253
TLS-EG CA Rate (w/carb adder) \$/therm	\$0.02935	\$0.02121	\$0.02935	\$0.02935
TLS-EG RS rate \$/therm/day	\$0.00968	\$0.00674	\$0.00968	\$0.00968
TLS -EG Usage rate (w/carb adder) \$/therm	\$0.01497	\$0.01076	\$0.01497	\$0.01497
Average Noncore	\$0.04001	\$0.03103	\$0.04001	\$0.04001
System Average Rate	\$0.34249	\$0.29835	\$0.34249	\$0.34249
CARB Fee Credit \$/th	(\$0.00083)	(\$0.00076)	(\$0.00083)	(\$0.00083)
GHG Fee Credit \$/th	\$0.00000	\$0.00000	\$0.00000	\$0.00000
SDGE RRQ (from rate tables tab)	\$380	\$369	\$380	\$380
<u>SDG&E gas AL</u>				
SCG Transport Costs + SCG Load Balancing Allocated to ALL SDGE	\$13,332	\$12,208	\$13,332	\$13,332
SCG Storage	\$11,786	\$6,776	\$11,786	\$11,786
NGV Adjustment	\$294	\$262	\$294	\$294
Sempra-wide EG adjustment	\$994	\$1,794	\$994	\$994
Transmission Level Service (TLS) adjustment	(\$719)	(\$2,492)	(\$719)	(\$719)
Total	\$25,687	\$18,548	\$25,687	\$25,687
<u>Table</u>				
Core	\$357	\$347	\$357	\$357
Noncore	\$23	\$22	\$23	\$23
SDGE RRQ (from rate tables tab)	\$380	\$369	\$380	\$380
<u>Table (\$million increase or decrease)</u>				
Core	\$10.3	\$1.9	\$10.3	\$10.3
Noncore	\$0.9	\$0.8	\$0.9	\$0.9
SDGE RRQ (from rate tables tab)	\$11.2	\$2.7	\$11.2	\$11.2

SCG Summary				
Residential	\$0.74324	\$0.74844	\$0.74324	\$0.74324
Residential class average bill \$/month	\$36.04	\$37.60	\$36.04	\$36.81
Core C&I	\$0.38013	\$0.32464	\$0.38013	\$0.38013
NGV (uncompressed)	\$0.12926	\$0.11252	\$0.12926	\$0.12926
NonCore C&I Class Average Distribution	\$0.08449	\$0.07674	\$0.08449	\$0.08449
EG-Distribution - Tier 1 w/carb and GHG adder \$/therm	\$0.12911	\$0.12666	\$0.12911	\$0.12911
EG-Distribution - Tier 2 w/carb and GHG adder \$/therm	\$0.07354	\$0.05593	\$0.07354	\$0.07354
TLS-CI CA Rate (w/ csitma & carb, GHG adders) \$/therm	\$0.03248	\$0.02442	\$0.03248	\$0.03248
TLS-EG CA Rate (w/carb, GHG adder) \$/therm	\$0.02937	\$0.02134	\$0.02937	\$0.02937
TLS-EG RS rate \$/therm/day	\$0.00963	\$0.00671	\$0.00963	\$0.00963
TLS -EG Usage rate (w/carb and GHG adder) \$/therm	\$0.01508	\$0.01095	\$0.01508	\$0.01508
Backbone Transmission Service \$/dth/day	\$0.26245	\$0.26353	\$0.26245	\$0.26245
Unbundled Storage Cost \$000's	\$0	\$23,290	\$0	\$0
System Average Rate w/BTS \$/therm	\$0.28828	\$0.28021	\$0.28828	\$0.28828
RRQ \$ millions	\$2,635	\$2,639	\$2,635	\$2,635
CARB Fee Credit \$/therm	(\$0.00101)	(\$0.00100)	(\$0.00101)	(\$0.00101)
GHG fee Credit	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Transfer Payment From SCG to SDGE/ (from SDGE to SCG) \$million's w/OFFU	\$32	\$37	\$32	\$32

SDGEgas Summary				
Residential	\$0.92590	\$0.91560	\$0.92590	\$0.92590
Residential class average bill \$/month	\$30.85	\$29.71	\$30.85	\$30.66
Core C&I	\$0.32346	\$0.27781	\$0.32346	\$0.32346
NGV	\$0.12984	\$0.11335	\$0.12984	\$0.12984
NonCore C&I Class Average Distribution	\$0.09876	\$0.11678	\$0.09876	\$0.09876
EG-Distribution - Tier 1 w/carb and GHG adder \$/therm	\$0.12963	\$0.12711	\$0.12963	\$0.12963
EG-Distribution - Tier 2 w/carb and GHG adder \$/therm	\$0.07376	\$0.05599	\$0.07376	\$0.07376
TLS-CI CA Rate (w/ csitma & carb, GHG adders) \$/therm	\$0.03253	\$0.02452	\$0.03253	\$0.03253
TLS-EG CA Rate (w/carb, GHG adder) \$/therm	\$0.02935	\$0.02121	\$0.02935	\$0.02935
TLS-EG RS rate \$/therm/day	\$0.00968	\$0.00674	\$0.00968	\$0.00968
TLS -EG Usage rate (w/carb and GHG adder) \$/therm	\$0.01497	\$0.01076	\$0.01497	\$0.01497
System Average Rate	\$0.34249	\$0.29835	\$0.34249	\$0.34249
RRQ \$ millions	\$380	\$369	\$380	\$380
CARB Fee Credit \$/therm	(\$0.00083)	(\$0.00076)	(\$0.00083)	(\$0.00083)
GHG fee Credit \$/therm	\$0.00000	\$0.00000	\$0.00000	\$0.00000

Table 1: Class Average Rates (\$/therm)				
	7/1/2018	TCAP		
		Proposed	\$/th Change	% Change
<u>SoCalGas:</u>				
Res	\$0.748	\$0.743	(\$0.005)	-0.7%
CCI CA	\$0.325	\$0.380	\$0.056	17.1%
Gas A/C	\$0.154	\$0.159	\$0.004	2.7%
Gas Engine	\$0.161	\$0.163	\$0.002	1.1%
NGV Uncompressed post-SW	\$0.113	\$0.129	\$0.017	14.9%
Core Class Average	\$0.599	\$0.608	\$0.009	1.4%
NCCI-D CA	\$0.077	\$0.084	\$0.008	10.1%
EG-D Tier 1 post-SW	\$0.127	\$0.129	\$0.002	1.9%
EG-D Tier 2 post-SW	\$0.056	\$0.074	\$0.018	31.5%
TLS-CI CA Rate (w/ CSITMA & CARB adders) ¹	\$0.024	\$0.032	\$0.008	33.0%
TLS-EG CA Rate (w/CARB adder)	\$0.021	\$0.029	\$0.008	37.6%
UBS \$1,000/yr	\$23,290	\$0	(\$23,290)	-100.0%
BTS w/Balancing Accounts \$/dth/d	\$0.264	\$0.262	(\$0.001)	-0.4%
System Average Rate w/ BTS	\$0.280	\$0.288	\$0.008	2.9%
1 CSITMA is the California Solar Initiative Program Adder CARB adder is for CARB administrative fees.				

Table 2: Class Average Rates (\$/therm)				
	7/1/2018	TCAP		
		Proposed	\$/th Change	% Change
<u>SDG&E:</u>				
Res	\$0.916	\$0.926	\$0.010	1.1%
CCI CA	\$0.278	\$0.323	\$0.046	16.4%
NGV Uncompressed post-SW	\$0.113	\$0.130	\$0.016	14.6%
Core Class Average	\$0.665	\$0.671	\$0.006	0.8%
NCCI-D	\$0.117	\$0.099	(\$0.018)	-15.4%
EG-D Tier 1 post-SW	\$0.127	\$0.130	\$0.003	2.0%
EG-D Tier 2 post-SW	\$0.056	\$0.074	\$0.018	31.7%
TLS-CI CA Rate (w/ CSITMA & CARB adders) ¹	\$0.025	\$0.033	\$0.008	32.6%
TLS-EG CA Rate (w/CARB adder)	\$0.021	\$0.029	\$0.008	38.4%
System Average Rate	\$0.298	\$0.342	\$0.044	14.8%
1 CSITMA is the California Solar Initiative Program Adder CARB adder is for CARB administrative fees.				

TABLE 1
Natural Gas Transportation Rates
Southern California Gas Company
2020 TCAP Application

	Proposed Rates			Proposed Rates			Changes		
	Jul-1-18	Proposed	Jul-1-18	Jan-1-20	Proposed	Jan-1-20	Revenue	Rate	% Rate
	Volumes	Rate	Revenues	Volumes	Rate	Revenues	Change	Change	change
	Mth	\$/therm	\$000's	Mth	\$/therm	\$000's	\$000's	\$/therm	%
	D	E	F	D	E	F	G	H	I
CORE									
Residential	2,435,160	\$0.74844	\$1,822,559	2,346,353	\$0.74324	\$1,743,897	(\$7,662)	(\$0.00520)	-0.7%
Commercial & Industrial	1,023,186	\$0.32464	\$332,163	992,706	\$0.38013	\$377,357	\$45,195	\$0.05549	17.1%
NGV - Pre Sempra-Wide	157,095	\$0.12882	\$20,237	178,769	\$0.14814	\$26,484	\$6,247	\$0.01932	15.0%
Sempra-Wide Adjustment	157,095	(\$0.00166)	(\$260)	178,769	(\$0.00163)	(\$292)	(\$32)	\$0.00002	-1.4%
NGV - Post Sempra-Wide	157,095	\$0.12716	\$19,977	178,769	\$0.14651	\$26,192	\$6,215	\$0.01935	15.2%
Gas A/C	772	\$0.15436	\$119	416	\$0.15857	\$66	(\$53)	\$0.00422	2.7%
Gas Engine	20,699	\$0.16141	\$3,341	22,302	\$0.16318	\$3,639	\$298	\$0.00177	1.1%
Total Core	3,636,911	\$0.59890	\$2,178,159	3,540,545	\$0.60758	\$2,151,151	(\$27,008)	\$0.00867	1.4%
NONCORE COMMERCIAL & INDUSTRIAL									
Distribution Level Service	865,102	\$0.07674	\$66,392	919,735	\$0.08449	\$77,712	\$11,320	\$0.00775	10.1%
Transmission Level Service (2)	660,238	\$0.02441	\$16,114	626,080	\$0.03248	\$20,333	\$4,218	\$0.00807	33.1%
Total Noncore C&I	1,525,339	\$0.05409	\$82,506	1,545,814	\$0.06343	\$98,045	\$15,538	\$0.00934	17.3%
NONCORE ELECTRIC GENERATION									
Distribution Level Service									
Pre Sempra-Wide	285,096	\$0.08176	\$23,310	331,442	\$0.09191	\$30,463	\$7,153	\$0.01015	12.4%
Sempra-Wide Adjustment	285,096	(\$0.00626)	(\$1,784)	331,442	(\$0.00298)	(\$989)	\$795	\$0.00328	-52.3%
Distribution Post Sempra Wide	285,096	\$0.07550	\$21,525	331,442	\$0.08893	\$29,474	\$7,949	\$0.01343	17.8%
Transmission Level Service (2)	2,392,699	\$0.02064	\$49,379	2,246,336	\$0.02866	\$64,375	\$14,996	\$0.00802	38.9%
Total Electric Generation	2,677,795	\$0.02648	\$70,904	2,577,778	\$0.03641	\$93,849	\$22,945	\$0.00993	37.5%
TOTAL RETAIL NONCORE	4,203,134	\$0.03650	\$153,411	4,123,593	\$0.04654	\$191,894	\$38,483	\$0.01004	27.5%
WHOLESALE									
Wholesale Long Beach (2)	73,520	\$0.02035	\$1,496	79,646	\$0.02837	\$2,260	\$763	\$0.00802	39.4%
Wholesale SWG (2)	65,367	\$0.02035	\$1,330	66,431	\$0.02837	\$1,885	\$554	\$0.00802	39.4%
Wholesale Vernon (2)	95,137	\$0.02035	\$1,936	96,890	\$0.02837	\$2,749	\$813	\$0.00802	39.4%
International (2)	91,378	\$0.02035	\$1,860	116,299	\$0.02837	\$3,300	\$1,440	\$0.00802	39.4%
Total Wholesale & International	325,403	\$0.02035	\$6,623	359,267	\$0.02837	\$10,193	\$3,570	\$0.00802	39.4%
SDG&E Wholesale	1,251,556	\$0.01483	\$18,558	1,118,614	\$0.02195	\$24,555	\$5,997	\$0.00712	48.0%
Total Wholesale Incl SDG&E	1,576,959	\$0.01597	\$25,181	1,477,881	\$0.02351	\$34,748	\$9,567	\$0.00754	47.2%
TOTAL NONCORE	5,780,093	\$0.03090	\$178,592	5,601,473	\$0.04046	\$226,642	\$48,050	\$0.00956	31.0%
Unbundled Storage (4)			\$23,290			\$0	(\$23,290)		
System Total (w/o BTS)	9,417,004	\$0.25274	\$2,380,041	9,142,019	\$0.26009	\$2,377,793	(\$2,248)	\$0.00736	2.9%
Backbone Transportation Service BTS (3)	2,690	\$0.26353	\$258,736	2,690	\$0.26245	\$257,673	(\$1,063)	(\$0.00108)	-0.4%
SYSTEM TOTAL w/BTS	9,417,004	\$0.28021	\$2,638,777	9,142,019	\$0.28828	\$2,635,467	(\$3,311)	\$0.00807	2.9%
EOR Revenues	231,570	\$0.05313	\$12,303	208,941	\$0.07162	\$14,964	\$2,661	\$0.01849	34.8%
Total Throughput w/EOR Mth/yr	9,648,574			9,350,960					

- 1) These rates are for Natural Gas Transportation Service from "Citygate to Meter." The Backbone Transportation Service (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 for detailed 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. Charge is for both core and noncore customers
- 4) Unbundled Storage costs are not part of the Core Storage or Load Balancing functions (those are included in transport rates).
- 5) All rates include Franchise Fees & Uncollectible charges.

TABLE 2
Residential Transportation Rates
Southern California Gas Company

	Present Rates			Proposed Rates			Changes		
	Jul-1-18	Average	Jul-1-18	Jan-1-20	Jan-1-20	Jan-1-20	Revenue	Rate	% Rate
	Volumes	Rate	Revenue	Volumes	Rate	Revenue	Change	Change	change
	Mth	\$/th	\$000's	Mth	\$/th	\$000's	\$000's	\$/th	%
	A	B	C	D	E	F	G	H	I
1 RESIDENTIAL SERVICE									
2 Customer Charge									
3 Single Family	3,750,414	\$5.00	\$225,025	3,808,652	\$10.00	\$457,038	\$232,013	\$5.00000	100.0%
4 Multi-Family	1,743,024	\$5.00	\$104,581	1,784,011	\$10.00	\$214,081	\$109,500	\$5.00000	100.0%
5 Small Master Meter	124,314	\$5.00	\$7,459	121,819	\$10.00	\$14,618	\$7,159	\$5.00000	100.0%
6 Submeter Credit-\$/unit/day	148,373	(\$0.27386)	(\$14,831)	141,547	(\$0.13742)	(\$7,100)	\$7,731	\$0.13644	-49.8%
7 Volumetric Transportation Rate Exclude CSITMA and CAT:									
8 Baseline Rate	1,839,570	\$0.53602	\$986,048	1,707,243	\$0.30496	\$520,636	(\$465,412)	(\$0.23106)	-43.1%
9 Non-Baseline Rate	584,298	\$0.86474	\$505,266	630,017	\$0.84936	\$535,112	\$29,846	(\$0.01538)	-1.8%
10	2,423,869	\$0.74820	\$1,813,547	2,337,260	\$0.74206	\$1,734,386	(\$79,162)	(\$0.00614)	-0.8%
11 NBL/BL Ratio:									
12 Composite Rate \$/th		\$1.02367			\$0.97933			(\$0.04434)	-4.3%
13 Gas Rate \$/th		\$0.31248			\$0.27687			(\$0.03561)	-11.4%
14 NBL/Composite rate ratio (4) =		1.15			1.15				
15 NBL- BL rate difference \$/th		0.32872			0.54441			\$0.21569	65.6%
16									
17 Large Master Meter Rate (Excludes Rate Adders for CAT):									
18 Customer Charge	57	\$411.17	\$280	49	\$411.17	\$244	(\$36)	\$0.00	0.0%
19 Baseline Rate	9,428	\$0.24993	\$2,356	7,787	\$0.12454	\$970	(\$1,387)	(\$0.12540)	-50.2%
20 Non-Baseline Rate	1,863	\$0.40321	\$751	1,306	\$0.34686	\$453	(\$298)	(\$0.05635)	-14.0%
21	11,291	\$0.30004	\$3,388	9,093	\$0.18327	\$1,666	(\$1,721)	(\$0.11677)	-38.9%
22									
23 Residential Rates Include CSITMA, CARB and GHG Excludes CAT:									
24 CSITMA Adder to Volumetric Rate	1,800,739	\$0.00308	\$5,550	1,745,667	\$0.00311	\$5,421	(\$129)	\$0.00002	0.8%
25 CARB Adder to Volumetric Rate				2,346,353	\$0.00101	\$2,378			
26 GHG End User Adder to Volumetric Rate				2,346,353	\$0.00000	\$0			
27 Residential:									
28 Customer Charge		\$5.00			\$10.00			\$5.00000	100.0%
29 Baseline \$/therm		\$0.53910			\$0.30908			(\$0.23003)	-42.7%
30 Non-Baseline \$/therm		\$0.86782			\$0.85348			(\$0.01434)	-1.7%
31 Average NonCARE Rate \$/therm		\$0.75129			\$0.74618			(\$0.00511)	-0.7%
32 Large Master Meter:									
33 Customer Charge		\$411.17			\$411.17			\$0.00	0.0%
34 BaseLine Rate		\$0.25302			\$0.12866			(\$0.12436)	-49.2%
35 Non-Baseline Rate		\$0.40629			\$0.35098			(\$0.05531)	-13.6%
36 Average NonCARE Rate \$/therm		\$0.30312			\$0.18739			(\$0.11573)	-38.2%
37 Residential Rates Include CSITMA & CAT:									
38 CAT Adder to Volumetric Rate	49,671	\$0.00150	\$74	27,389	\$0.00167	\$46	(\$29)	\$0.00017	11%
39 Residential:									
40 Customer Charge		\$5.00			\$5.00			\$0.00000	0.0%
41 BaseLine Rate		\$0.54060			\$0.31075			(\$0.22986)	-42.5%
42 Non-Baseline Rate		\$0.86932			\$0.85515			(\$0.01417)	-1.6%
43 Large Master Meter:									
44 Customer Charge		\$411.17			\$411.17			\$0.00000	0.0%
45 BaseLine Rate		\$0.25452			\$0.13033			(\$0.12419)	-48.8%
46 Non-Baseline Rate		\$0.40779			\$0.35265			(\$0.05514)	-13.5%
47 Other Adjustments:									
48 TCA for CSITMA exempt customers		(\$0.00308)			(\$0.00311)			(\$0.00002)	0.8%
49 California Climate Credit - April Bill		\$0.00			\$0.00				
50 TOTAL RESIDENTIAL	2,435,160	\$0.74844	\$1,822,559	2,346,353	\$0.74324	\$1,743,897	(\$78,662)	(\$0.00520)	-0.7%

See footnotes, Table 1.

TABLE 3
Core Nonresidential Transportation Rates
Southern California Gas Company

01/00/00

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	Present Rates			Proposed Rates			Changes			
	Jul-1-18 Volumes Mth	Average Rate \$/th	Jul-1-18 Revenue \$000's	Jan-1-20 Volumes Mth	Rate \$/th	Jan-1-20 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	146,202	\$15.00	\$26,316	141,378	\$15.00	\$25,448	(\$868)	\$0.00	0.0%
4	Customer Charge 2	61,115	\$15.00	\$11,001	62,136	\$15.00	\$11,185	\$184	\$0.00	0.0%
5	Volumetric Transportation Rate Exclude CSITMA & CAT:									
6	Tier 1 = 250th/mo	203,321	\$0.54303	\$110,409	202,399	\$0.65195	\$131,955	\$21,545	\$0.10893	20.1%
7	Tier 2 = next 4167 th/mo	453,170	\$0.29523	\$133,789	449,431	\$0.34795	\$156,377	\$22,588	\$0.05272	17.9%
8	Tier 3 = over 4167 th/mo	366,694	\$0.12908	\$47,333	340,876	\$0.14411	\$49,123	\$1,790	\$0.01503	11.6%
9		1,023,186	\$0.32140	\$328,849	992,706	\$0.37684	\$374,088	\$45,239	\$0.05544	17.2%
10										
11	Volumetric Transportation Rate Include CSITMA & GHG, Exclude CAT:									
12	CSITMA Adder to Volumetric Rate	1,008,238	\$0.00308	\$3,107	978,185	\$0.00311	\$3,038	(\$70)	\$0.00002	0.8%
13	GHG Adder to Volumetric Rate	1,023,186	\$0.00000	\$0	992,706	\$0.00000	\$0			
14	Tier 1 = 250th/mo		\$0.54611			\$0.65506		\$0.10895	19.9%	
15	Tier 2 = next 4167 th/mo		\$0.29831			\$0.35105		\$0.05274	17.7%	
16	Tier 3 = over 4167 th/mo		\$0.13216			\$0.14721		\$0.01505	11.4%	
17			\$0.32448			\$0.37994		\$0.05546		
18	Volumetric Transportation Rate Include CSITMA & CAT:									
19	CAT Adder to Volumetric Rate	137,753	\$0.00150	\$206	139,308	\$0.00167	\$232	\$26	\$0.00017	11%
20	Tier 1 = 250th/mo		\$0.54761			\$0.65673		\$0.10912	19.9%	
21	Tier 2 = next 4167 th/mo		\$0.29981			\$0.35272		\$0.05291	17.6%	
22	Tier 3 = over 4167 th/mo		\$0.13366			\$0.14888		\$0.01522	11.4%	
23			\$0.32598			\$0.38161		\$0.05563	17.1%	
24	Other Adjustments:									
25	TCA for CSITMA exempt customers		(\$0.00308)			(\$0.00311)		(\$0.00002)	0.8%	
26	GHG Fee Credit \$/th		\$0.00000			\$0.00000				
27	TOTAL CORE C&I	1,023,186	\$0.32464	\$332,163	992,706	\$0.38013	\$377,357	\$45,195	\$0.05549	17.1%
28										
29	NATURAL GAS VEHICLES (a sempra-wide rate)									
30	Customer Charge, P-1	229	\$13.00	\$36	263	\$13.00	\$41	\$5	\$0.00000	0.0%
31	Customer Charge, P-2A	130	\$65.00	\$101	115	\$65.00	\$90	(\$11)	\$0.00000	0.0%
32	Uncompressed Rate Exclude CSITMA, GHG & CAT	157,095	\$0.10943	\$17,192	178,769	\$0.12514	\$22,372	\$5,180	\$0.01571	14.4%
33	Total Uncompressed NGV	157,095	\$0.11031	\$17,329	178,769	\$0.12587	\$22,502	\$5,174	\$0.01557	14.1%
34	Compressed Rate Adder	2,099	\$1.03136	\$2,164	2,833	\$1.04238	\$2,953	\$789	\$0.01102	1.1%
35										
36	Uncompressed Rate Include CSITMA, CARB and GHG Exclude CAT									
37	CSITMA Adder to Volumetric Rate	157,073	\$0.00308	\$484	178,769	\$0.00311	\$555	\$71	\$0.00002	0.8%
38	CARB Adder to Volumetric Rate				178,769	\$0.00101	\$181			
39	GHG End User Adder to Volumetric Rate				178,769	\$0.00000	\$0			
40	Uncompressed Rate \$/therm		\$0.11252			\$0.12926		\$0.01675	14.9%	
41	Other Adjustments:									
42	TCA for CSITMA exempt customers		(\$0.00308)			(\$0.00311)		(\$0.00002)	0.8%	
43	Low Carbon Fuel Standard (LCFS) Credit		\$0.00000			\$0.00000		\$0.00000		
44	TOTAL NGV SERVICE	157,095	\$0.12716	\$23,609	178,769	\$0.14651	\$26,192	\$2,582	\$0.01935	15.2%
45										
46	RESIDENTIAL NATURAL GAS VEHICLES (optional rate)									
47	Customer Charge	5,618	\$10.00	\$674	216	\$10.00	\$26	(\$648)	\$0.00000	0.0%
48	Uncompressed Rate Exclude CSITMA & CAT	5,501	\$0.20696	\$1,138	166	\$0.28630	\$48	(\$1,091)	\$0.07934	38.3%
49		5,501	\$0.32951	\$1,813	166	\$0.44205	\$73	(\$1,739)	\$0.11254	34.2%
50	Uncompressed Rate Include CSITMA, Exclude CAT									
51	CSITMA Adder to Volumetric Rate		\$0.00308		5,501	\$0.00311	\$17		\$0.00002	0.8%
52	CARB Adder to Volumetric Rate				5,501	\$0.00101	\$6			
53	GHG End User Adder to Volumetric Rate				5,501	\$0.00000	\$0			
54	Uncompressed Rate \$/therm		\$0.21004			\$0.29042		\$0.08038	38.3%	
55										
56	Uncompressed Rate Include CSITMA & CAT									
57	CAT Adder to Volumetric Rate	0	\$0.00150	\$0	0	\$0.00167	\$0	\$0	\$0.00017	11.3%
58	Uncompressed Rate		\$0.21154			\$0.29209		\$0	\$0.08055	38.1%
59	Other Adjustments:									
60	TCA for CSITMA exempt customers		(\$0.00308)			(\$0.00311)		(\$0.00002)	0.8%	
61										
62	TOTAL RESIDENTIAL NATURAL GAS VEHICLES	5,501	\$0.32951	\$1,813	166	\$0.57841	\$96	(\$1,716)	\$0.24891	75.5%

TABLE 4
Core Nonresidential Transportation Rates (continued)
Southern California Gas Company

01/00/00

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	Present Rates			Proposed Rates			Changes			
	Jul-1-18	Average	Jul-1-18	Jan-1-20	Rate	Jan-1-20	Revenue	Rate	% Rate	
	Volumes	Rate	Revenue	Volumes	Rate	Revenue	Change	Change	change	
	Mth	\$/th	\$000's	Mth	\$/th	\$000's	\$000's	\$/th	%	
	A	B	C	D	E	F	G	H	I	
1										
2										
3	NON-RESIDENTIAL GAS A/C									
4	Customer Charge	9	\$150	\$16	8	\$150	\$14	(\$2)	\$0.00000	0.0%
5	Volumetric Rate	772	\$0.13029	\$101	416	\$0.12088	\$50	(\$50)	(\$0.00941)	-7.2%
6		772	\$0.15128	\$117	416	\$0.15547	\$65	(\$52)	\$0.00419	2.8%
7	Volumetric Rates Include CSITMA, Exclude CAT									
8	CSITMA Adder to Volumetric Rate	772	\$0.00308	\$2	416	\$0.00311	\$1	(\$1)	\$0.00002	0.8%
9	Volumetric		\$0.13337			\$0.12398			(\$0.00939)	-7.0%
10	Volumetric Rates Include CSITMA & CAT									
11	CAT Adder to Volumetric Rate	0	\$0.00150	\$0	0	\$0.00167	\$0	\$0	\$0.00017	11.3%
12	Gas A/C Rate		\$0.13487			\$0.12565			(\$0.00922)	-6.8%
13	Other Adjustments:									
14	TCA for CSITMA exempt customers		(\$0.00308)			(\$0.00311)			(\$0.00002)	0.8%
15										
16	TOTAL A/C SERVICE	772	\$0.15436	\$119	416	\$0.15857	\$66	(\$53)	\$0.00422	2.7%
17										
18	GAS ENGINES									
19	Customer Charge	712	\$50	\$427	711	\$50	\$427	(\$1)	\$0.00000	0.0%
20	Volumetric Exclude CSITMA & CAT	20,699	\$0.13769	\$2,850	22,302	\$0.14094	\$3,143	\$293	\$0.00326	2.4%
21		20,699	\$0.15833	\$3,277	22,302	\$0.16008	\$3,570	\$293	\$0.00175	1.1%
22	Volumetric Rates Include CSITMA, Exclude CAT									
23	CSITMA Adder to Volumetric Rate	20,699	\$0.00308	\$64	22,302	\$0.00311	\$69	\$5	\$0.00002	0.8%
24	Volumetric		\$0.14080			\$0.14400			\$0.00320	
25	Volumetric Rates Include CSITMA & CAT									
26	CAT Adder to Volumetric Rate	0	\$0.00150	\$0	0	\$0.00167	\$0	\$0	\$0.00017	11.3%
27	Gas Engine Rate		\$0.14230			\$0.14567			\$0.00337	2.4%
28	Other Adjustments									
29	TCA for CSITMA exempt customers		(\$0.00308)			(\$0.00311)			(\$0.00002)	0.8%
30										
31	TOTAL GAS ENGINES	20,699	\$0.16141	\$3,341	22,302	\$0.16318	\$3,639	\$298	\$0.00177	1.1%
32										
33	STREET & OUTDOOR LIGHTING (equals average Non-CAT CCI Rate)									
34	Street & Outdoor Lighting Base Rate		\$0.32448			\$0.37994			\$0.05546	17.1%
35										

TABLE 5
Noncore Commercial & Industrial Rates
Southern California Gas Company

01/00/00

0

	Present Rates			Proposed Rates			Changes		
	Jul-1-18	Average	Jul-1-18	Jan-1-20	Rate	Jan-1-20	Revenue	Rate	% Rate
	Volumes	Rate	Revenue	Volumes	Rate	Revenue	Change	Change	change
	Mth	\$/th	\$000's	Mth	\$/th	\$000's	\$000's	\$/th	%
	A	B	C	D	E	F	G	H	I
1 <u>NonCore Commercial & Industrial Distribution Level</u>									
2 Customer Charge	584	\$350.00	\$2,452	563	\$350.00	\$2,367	(\$85)	\$0.00000	0.0%
3									
4 <u>Volumetric Rates Include CARB Fee, Exclude GHG, and CSITMA</u>									
5 Tier 1 = 250kth/yr	121,573	\$0.15737	\$19,132	124,403	\$0.18285	\$22,747	\$3,615	\$0.02548	16.2%
6 Tier 2 = 250k to 1000k	205,061	\$0.09908	\$20,317	217,228	\$0.11328	\$24,607	\$4,290	\$0.01420	14.3%
7 Tier 3 = 1 to 2 million th/yr	109,960	\$0.06179	\$6,794	118,763	\$0.06877	\$8,168	\$1,374	\$0.00699	11.3%
8 Tier 4 = over 2 million th/yr	428,508	\$0.03514	\$15,057	459,341	\$0.03697	\$16,982	\$1,925	\$0.00183	5.2%
9 Volumetric totals (excl itcs)	865,102	\$0.07086	\$61,300	919,735	\$0.07883	\$72,503	\$11,203	\$0.00797	11.2%
10									
11 <u>Volumetric Rates Include CARB, GHG, CSITMA</u>									
12 CSITMA Adder to Volumetric Rate		\$0.00308	\$2,640		\$0.00311	\$2,843	\$203	\$0.00002	0.8%
13 GHG Adder to Volumetric Rate		\$0.00000	\$0		\$0.00000	\$0	\$0	\$0.00000	
14 Tier 1 = 250kth/yr		\$0.16045			\$0.18595			\$0.02550	15.9%
15 Tier 2 = 250k to 1000k		\$0.10216			\$0.11638			\$0.01422	13.9%
16 Tier 3 = 1 to 2 million th/yr		\$0.06487			\$0.07188			\$0.00701	10.8%
17 Tier 4 = over 2 million th/yr		\$0.03822			\$0.04008			\$0.00185	4.9%
18 <u>Other Adjustments:</u>									
19 TCA for CSITMA exempt customers		(\$0.00308)			(\$0.00311)			(\$0.00002)	0.8%
20 CARB Fee Credit \$/th		(\$0.00100)			(\$0.00101)			(\$0.00001)	1.2%
21 GHG Fee Credit \$/th		\$0.00000			\$0.00000			\$0.00000	
22 NCCI - DISTRIBUTION LEVEL	865,102	\$0.07674	\$66,392	919,735	\$0.08449	\$77,712	\$11,320	\$0.00775	10.1%
23									
24 NCCI-TRANSMISSION LEVEL Incl CARB & GHG Fee Excl CSITMA (1)	6,438	\$0.02136	\$137	2,957	\$0.02939	\$87	(\$51)	\$0.00803	37.6%
25 NCCI-TRANSMISSION LEVEL Incl CARB & GHG Fee and CSITMA (1)	653,799	\$0.02444	\$15,977	623,122	\$0.03249	\$20,246	\$4,269	\$0.00805	33.0%
26 NCCI-TRANSMISSION LEVEL (2)	660,238	\$0.02441	\$16,114	626,080	\$0.03248	\$20,333	\$4,218	\$0.00807	33.1%
27									
28 TOTAL NONCORE C&I	1,525,339	\$0.05409	\$82,506	1,545,814	\$0.06343	\$98,045	\$15,538	\$0.00934	17.3%

TABLE 6
Noncore Electric Generation Rates and Enhanced Oil Recovery Rates
Southern California Gas Company

	Present Rates			Proposed Rates			Changes			
	Jul-1-18	Average	Jul-1-18	Jan-1-20	Rate	Jan-1-20	Revenue	Rate	% Rate	
	Volumes	Rate	Revenue	Volumes	Rate	Revenue	Change	Change	change	
	Mth	\$/th	\$000's	Mth	\$/th	\$000's	\$000's	\$/th	%	
	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) Exclude CARB & GHG Fee & CSITMA:</u>									
6	Customer Charge	201	\$50.00	\$121	308	\$50.00	\$185	\$64	\$0.00000	0.0%
7	Volumetric Rate	77,207	\$0.12566	\$9,702	88,449	\$0.12810	\$11,330	\$1,628	\$0.00244	1.9%
8	Small EG Distribution Level Service	77,207	\$0.12722	\$9,822	88,449	\$0.13019	\$11,515	\$1,693	\$0.00297	2.3%
9										
10	<u>Large EG Distribution Level Service (a Sempra-Wide rate) Exclude CARB & GHG Fee & CSITMA</u>									
11	Customer Charge	28	\$0.00	\$0	30	\$0.00	\$0	\$0	\$0.00000	
12	Volumetric Rate	207,889	\$0.05493	\$11,419	242,993	\$0.07253	\$17,624	\$6,205	\$0.01760	32.0%
13	Large EG Distribution Level Service	207,889	\$0.05493	\$11,419	242,993	\$0.07253	\$17,624	\$6,205	\$0.01760	32.0%
14										
15	EG Distribution excl CARB Fee & CSITMA	285,096	\$0.07451	\$21,242	331,442	\$0.08792	\$29,139	\$7,897	\$0.01341	18.0%
16										
17	<u>Volumetric Rates Include CARB & GHG Fee, Exclude CSITMA</u>									
18	CARB Fee Cost Adder	283,261	\$0.00100	\$284	330,876	\$0.00101	\$335	\$52	\$0.00001	1.2%
19	GHG Cost Adder	90,289	\$0.00000	\$0	104,031	\$0.00000	\$0	\$0	\$0.00000	
20	EG-Distribution Tier 1 w/CARB Fee		\$0.12666			\$0.12911			\$0.00245	1.9%
21	EG-Distribution Tier 2 w/CARB Fee		\$0.05593			\$0.07354			\$0.01761	31.5%
22	Total - EG Distribution Level	285,096	\$0.07550	\$21,525	331,442	\$0.08893	\$29,474	\$7,949	\$0.01343	17.8%
23	CARB Fee Credit \$/th		(\$0.00100)			(\$0.00101)			(\$0.00001)	1.2%
24	GHG Fee Credit \$/th		\$0.00000			\$0.00000			\$0.00000	
25										
26	EG Transmission Level Service Excl CARB & GHG Fee & CSITMA (1)	1,714,769	\$0.02035	\$34,902	2,246,336	\$0.02837	\$63,732	\$28,831	\$0.00802	39.4%
27	EG Transmission Level CARB Fee				634,285	\$0.00101	\$643			
28	EG Transmission Level Service - GHG End User Fee				30,343	\$0.00000	\$0			
29	EG Transmission Level Service Incl CARB & GHG Fee, Exclude CSITMA (1)	677,930	\$0.02136	\$14,477						
30	EG Transmission Level (2)	2,392,699	\$0.02064	\$49,379	2,246,336	\$0.02866	\$64,375	\$14,996	\$0.00802	38.9%
31										
32	TOTAL ELECTRIC GENERATION	2,677,795	\$0.02648	\$70,904	2,577,778	\$0.03641	\$93,849	\$22,945	\$0.00993	37.5%
33										
34	<u>EOR Rates & revenue Exclude CARB Fee & CSITMA:</u>									
35	Distribution Level EOR:									
36	Customer Charge	17	\$500.00	\$102	23	\$500.00	\$138	\$36	\$0.00000	0.0%
37	Volumetric Rate Excl CARB & GHG Fee & CSITMA	137,620	\$0.07476	\$10,289	151,758	\$0.08701	\$13,204	\$2,915	\$0.01225	16.4%
38										
39	<u>Volumetric Rates Include CARB & GHG Fee, Exclude CSITMA</u>									
40	CARB Fee		\$0.00100			\$0.00101				
41	GHG Fee		\$0.00000			\$0.00000				
42	Volumetric Rate Incl CARB Fee & Excl CSITMA		\$0.07576			\$0.08802			\$0.01226	16.2%
43	Distribution Level EOR	137,620	\$0.07550	\$10,391	151,758	\$0.08792	\$13,342	\$2,951	\$0.01241	16.4%
44	CARB Fee Credit \$/th		(\$0.00100)			(\$0.00101)			(\$0.00001)	1.2%
45	GHG Fee Credit \$/th		\$0.00000			\$0.00000			\$0.00000	
46	Transmission Level EOR Exclude CARB & GHG Fee & CSITMA	93,950	\$0.02035	\$1,912	57,184	\$0.02837	\$1,622	(\$290)	\$0.00802	39.4%
47	Total EOR	231,570	\$0.05313	\$12,303	208,941	\$0.07162	\$14,964	\$2,661	\$0.01849	34.8%

1) CSITMA - Noncore C&I D Tariff rate Include CSITMA. Customers exempt, including Constitutionally Exempt, receive Transportation Charge Adjustment (TCA).
EG Tariff Rate Exclude CSITMA, since EG customers are exempt.
2) CARB & GHG Fees - EG-D and NCCI-D rates include CARB & GHG Fees.
3) EOR customers tariff Include CARB & GHG Fees and Excludes CSITMA; since EOR customers are exempt from CSITMA and get a credit for CARB & GHG Fees.
See footnotes, Table 1.

TABLE 7
Transmission Level Service Transportation Rates
Southern California Gas Company

	Present Rates			Proposed Rates			Changes			
	Jul-1-18 Volumes Mth	Average Rate \$/th	Jul-1-18 Revenue \$000's	Jan-1-20 Volumes Mth	Rate \$/th	Jan-1-20 Revenue \$000's	Revenue Change \$000's	Rate Change \$/th	% Rate change %	
	A	B	C	D	E	F	G	H	I	
1	Rate Excluding CSITMA & CARB Fee:									
2	Reservation Service Option (RS):									
3		\$0.00671			\$0.00963			\$0.00292	43.6%	
4		\$0.00994			\$0.01406			\$0.00412	41.4%	
5	Class Average Volumetric Rate (CA)									
6		\$0.01040			\$0.01430			\$0.00390	37.5%	
7		\$0.00994			\$0.01406			\$0.00412	41.4%	
8	Class Average Volumetric Rate (CA) \$/th									
9		\$0.02034			\$0.02836			\$0.00802	39.4%	
10	115% CA (for NonBypass Volumetric NV) \$/th									
11	135% CA (for Bypass Volumetric BV) \$/th									
12		\$0.02339			\$0.03261			\$0.00922	39.4%	
		\$0.02746			\$0.03828			\$0.01082	39.4%	
12	Total Transmission Level Service (NCCI, EOR, EG)	3,052,937	\$0.02035	\$62,138	2,872,415	\$0.02837	\$81,495	\$19,357	\$0.00802	39.4%
14	C&I Rate Including CSITMA & CARB & GHG Fee:									
15	CSITMA Adder to Usage Charge									
16	653,799	\$0.00308	\$2,015	623,122	\$0.00311	\$1,935	(\$80)	\$0.00002		
17	CARB Fee Adder									
18	1,338,168	\$0.00100	\$1,340	1,260,365	\$0.00101	\$1,277		\$0.00001		
17	GHG Fee Adder									
18	123,450	\$0.00000	\$0	109,151	\$0.00000	\$0		\$0.00000		
18	Reservation Service Option (RS):									
19	Daily Reservation rate \$/th/day									
20		\$0.00671			\$0.00963		\$0	\$0.00292	43.6%	
21	Usage Charge for RS \$/th									
22		\$0.01403			\$0.01818		\$0	\$0.00415	29.6%	
23	Class Average Volumetric Rate (CA)									
24		\$0.01040			\$0.01430		\$0	\$0.00390	37.5%	
25		\$0.01403			\$0.01818		\$0	\$0.00415	29.6%	
26	Class Average Volumetric Rate (CA) \$/th									
27		\$0.02442			\$0.03248		\$0	\$0.00805	33.0%	
28	115% CA (for NonBypass Volumetric NV) \$/th									
29		\$0.02747			\$0.03673		\$0	\$0.00926	33.7%	
30	135% CA (for Bypass Volumetric BV) \$/th									
31		\$0.03154			\$0.04240		\$0	\$0.01086	34.4%	
32	Other Adjustments:									
33	Transportation Charge Adj. (TCA) for CSITMA exempt customers									
34		(\$0.00308)			(\$0.00311)			(\$0.00002)		
35	California Air Resources Board (CARB) Fee Credit \$/th									
36		(\$0.00100)			(\$0.00101)			(\$0.00001)		
37	GHG Fee Credit									
38		\$0.00000			\$0.00000			\$0.00000		
39	Total Transmission Level Service Include CSITMA & CARB Fee	3,052,937	\$0.02145	\$65,493	2,872,415	\$0.02949	\$84,708	\$19,215	\$0.00804	37.5%
41	EG & EOR Rate Including CARB Fee & GHG , excluding CSITMA:									
42	CARB Fee Adder									
43		\$0.00100			\$0.00101			\$0.00001		
44	GHG Fee Adder									
45		\$0.00000			\$0.00000			\$0.00000		
46	Reservation Service Option (RS):									
47	Daily Reservation rate \$/th/day									
48		\$0.00671			\$0.00963		\$0	\$0.00292	43.6%	
49	Usage Charge for RS \$/th									
50		\$0.01095			\$0.01508		\$0	\$0.00413	37.7%	
51	Class Average Volumetric Rate (CA)									
52		\$0.01040			\$0.01430		\$0	\$0.00390	37.5%	
53		\$0.01095			\$0.01508		\$0	\$0.00413	37.7%	
54	Class Average Volumetric Rate (CA) \$/th									
55		\$0.02134			\$0.02937		\$0	\$0.00803	37.6%	
56	115% CA (for NonBypass Volumetric NV) \$/th									
57		\$0.02439			\$0.03363		\$0	\$0.00923	37.9%	
58	135% CA (for Bypass Volumetric BV) \$/th									
59		\$0.02846			\$0.03930		\$0	\$0.01084	38.1%	
60	Other Adjustments:									
61	California Air Resources Board (CARB) Fee Credit \$/th									
62		(\$0.00100)			(\$0.00101)			(\$0.00001)	1.2%	
63	Greenhouse Gas (GHG) Fee Credit \$/th									
64		\$0.00000			\$0.00000			\$0.00000		
65	Rate Excluding CSITMA, CARB, GHG Fee, & Uncollectibles (applicable to Wholesale & International):									
66	Reservation Service Option (RS):									
67	Daily Reservation rate \$/th/day									
68		\$0.00669			\$0.00960			\$0.00292	43.6%	
69	Usage Charge for RS \$/th									
70		\$0.00991			\$0.01402			\$0.00411	41.4%	
71	Class Average Volumetric Rate (CA)									
72		\$0.01036			\$0.01425			\$0.00389	37.5%	
73		\$0.00991			\$0.01402			\$0.00411	41.4%	
74	Class Average Volumetric Rate (CA) \$/th									
75		\$0.02028			\$0.02827			\$0.00799	39.4%	
76	115% CA (for NonBypass Volumetric NV) \$/th									
77		\$0.02332			\$0.03251			\$0.00919	39.4%	
78	135% CA (for Bypass Volumetric BV) \$/th									
79		\$0.02738			\$0.03817			\$0.01079	39.4%	
80	Total Transmission Level Service (WS & Int'l)	325,403	\$0.02035	\$6,623	359,267	\$0.02837	\$10,193	\$3,570	\$0.00802	39.4%
81	Average Transmission Level Service	3,378,340	\$0.02135	\$72,116	3,231,682	\$0.02937	\$94,901	\$22,784	\$0.00802	37.6%

TABLE 8
Backbone Transmission Service and Storage Rates
Southern California Gas Company

	Present Rates			Proposed Rates			Changes		
	Jul-1-18	Average	Jul-1-18	Jan-1-20		Jan-1-20	Revenue	Rate	% Rate
	Volumes	Rate	Revenue	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	2,690	\$0.26353	\$258,736	2,690	\$0.26245	\$257,673	(\$1,063)	(\$0.00108)	-0.4%
3		\$0.21083			\$0.20996				
4		\$0.05271			\$0.05249				
5		\$0.26353			\$0.26245			(\$0.00108)	-0.4%
6									
7									
8	Storage Costs: (incl. HRSMA)								
9			\$59,943			\$93,797	\$33,854		
10			\$27,353			\$70,614	\$43,261		
11			\$23,290			\$0	(\$23,290)		
12			\$110,586			\$164,411	\$53,825		

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 Fee - 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 excludes CSITMA and CARB Fee since these customers are exempt.

**Revenue Check of Base Margin, Revenue Requirement and Rates
2020 TCAP Application**

Base Margin in Transportation rates		\$000's	
Authorized Base Margin		\$2,105,281	
2017 attrition w/ffu		\$74,033	
2018 attrition w/ffu		\$76,618	
Cost of Capital Adjustment		(\$30,324)	
Deferred Gain on Sale Amortization		\$0	
Base Margin		\$2,225,608	
Adjustments to Base Margin			
AB32 Fees	(\$4,536)	101.74%	(\$4,615) Cost Alloc
Brokerage Fee			(\$7,927) Misc Inputs
		\$2,213,066	
Adjustment to Storage		\$0	
Aliso Canyon	\$0	101.74%	\$0
	\$32,856	101.74%	\$33,426 Fung TCAP Testimony
Base Margin in Transportation Rates (w/FFU; Pre SI/BTS) \$000		\$2,246,492	
		<i>Cost Alloc =</i> \$2,246,492	
		\$0	

Reconcile Base Margin with Revenue Requirement

Base Margin in Transportation Rates (w/FFU; Pre SI/BTS) \$000		\$2,246,492	
System Integration:			
Less Backbone Transmission Costs		(\$176,587)	Cost Alloc
Less Local Transmission Costs		(\$71,956)	Cost Alloc
Plus Backbone Transmission Costs w/SI		\$0	Cost Alloc
Plus Local Transmission Costs w/SI		\$63,771	Cost Alloc
Plus Unbundled BBT amount w/FFU		\$191,208	Cost Alloc
System Integration		\$6,436	
less Unbundled BBT amount w/FFU		(\$191,208)	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU		\$2,061,720	<i>cost allocation Tab =</i> \$2,061,720
			\$0
Other Operating Costs and Revenues		\$63,534	Cost Alloc
Regulatory Accounts		\$268,066	Cost Alloc
Core Interstate Pipeline Demand Charges (IPDC)		\$0	Cost Alloc
EOR Revenue allocated to Other Classes \$000		(\$14,964)	Cost Alloc
EOR Costs allocated to Other Classes \$000		\$0	Cost Alloc
Gas Engine Rate CAP adjustment		\$0	Cost Alloc
adjustment \$000			
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr		\$2,378,355	<i>cost allocation Tab =</i> \$2,378,355
			\$0
plus SW Adjustments		(\$1,281)	
plus change due to TLS (NCCI/EG/WS/DGN)		\$719	

Final Revenue Requirement in Rate Tables w/oBBT Revenue	<u><u>\$2,377,793</u></u>		<i>Rate Table Total =</i>	\$2,377,793	\$0
Est BBT Revenue- \$000	<u>\$257,673</u>	Cost Alloc			
Final Revenue Requirement in Rate Tables w/BBT Revenue	<u><u>\$2,635,467</u></u>		<i>Rate Table Total =</i>	\$2,635,467	\$0

Summary of Transmission Costs	SCG	SDGE	Total	Source
Base Margin in Transport (w/FFU; Pre SI/BTS) \$000	\$2,246,492	\$323,020	\$2,569,512	
Net SI w/FFU:				
Remove Local-T	(\$71,956)	\$0	(\$71,956)	SI & BTS
Remove BBT	(\$176,587)	(\$40,564)	(\$217,151)	SI & BTS
add integrated Local-T	\$63,771	\$8,230	\$72,001	SI & BTS
add integrated BBT	\$0	\$0	\$0	SI & BTS
add BBT Unbundled Amount	\$216,930		\$216,930	SI & BTS
net system integration excl fuel, w/BTS	\$32,158	(\$32,334)	(\$176)	
remove BTS Unbundled Amount	(\$216,930)	\$0	(\$216,930)	
Base Margin (Post-SI, BTS; w/FFU)	\$2,061,720	\$290,686	\$2,352,406	
	\$2,061,720	\$290,686	\$2,352,406	Cost Alloc
	\$0	\$0	\$0	

Summary of System Throughput:	Mth/yr	Source
SCG's Demand FC for System Throughput mth/yr	9,350,960	Alloc Factors
Total Table 1	9,142,019	Rate Tables
plus EOR	208,941	Rate Tables
	9,350,960	

Summary of TLS Revenue:	SCG	SDGE	total	over (under) collection	revenue collected	Source
Pre-TLS Costs	\$90,970	\$14,307	\$105,276			TLS Rate
TLS Revenue	\$91,688	\$13,588	\$105,276	\$0	\$105,276	TLS Rate
net TLS cost	\$719	(\$719)	\$0			
				Costs Allocated to TLS class =	\$105,276	
				(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		\$2,151,443	(\$292)	\$2,151,151		\$2,151,151	\$101,685	\$2,252,836
NCCI-D		\$77,712		\$77,712		\$77,712		
NCCI-T		\$14,063		\$14,063	\$5,635	\$19,698		
		\$91,775		\$91,775	\$5,635	\$97,410	\$41,250	\$138,660
SDGE Wholesale	\$193,296	\$24,555		\$24,555		\$24,555	\$30,553	
		\$116,330	\$0	\$116,330	\$5,635	\$121,965	\$71,803	\$193,768
EG-D		\$30,463	(\$989)	\$29,474		\$29,474		
EG-T		\$71,058		\$71,058	(\$6,048)	\$65,010		
		\$101,521	(\$989)	\$100,533	(\$6,048)	\$94,484	\$68,607	\$163,091
Wholesale (exclude SDGE)	\$6,719	\$6,719		\$6,719	\$175	\$6,893	\$6,922	\$13,815
Ecogas		\$2,342		\$2,342	\$957	\$3,300	\$3,095	\$6,395
TBS		\$0		\$0		\$0		\$0
EOR							\$5,561	\$5,561
Transport Rev Req \$000/yr		\$2,378,355	(\$1,281)	\$2,377,074	\$719	\$2,377,793	\$257,673	\$2,635,467
<i>Table 1 Total Revenue (Incl SI, BTS, TLS, SW Adj) =</i>		<u>\$2,378,355</u>				<u>\$2,377,793</u>		<u>\$2,635,467</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	\$1,743,897	Rate Tables			
Core C&I Service \$000	\$377,357	Rate Tables			
Table 3 - other Core service:					
SW NGV \$000	\$26,192	Rate Tables			
Gas AC \$000	\$66	Rate Tables			
Gas Engine \$000	\$3,639	Rate Tables			
CORE	<u>\$2,151,151</u>				
Table 4 - NonCore C&I and EG:					
NCCI \$000	\$98,045	Rate Tables			
Sw-EG \$000	\$93,849	Rate Tables			
Total NCCI & EG	\$191,894				
Less NCCI Transmission Level Included in Table 5	(\$20,333)	Rate Tables			
Less EG Transmission Level Included in Table 5	(\$64,375)	Rate Tables			
Total NCCI-D and EG-D only	<u>\$107,186</u>				
Table 5 - Transmission Level Service					
SDGE Wholesale Charge for Core & Dist on table 1	\$94,901	Rate Tables			
UBS \$000	\$24,555	Rate Tables			
	\$0	Rate Tables			
System Total Rev Req w/SI, TLS, SW adj w/o BTS \$000	<u>\$2,377,793</u>		<i>Rev Req w/o BTS =</i>	\$2,377,793	\$0.00
Est BTS Revenue - \$000	\$257,673	Rate Tables			
System Total Rev Req w/SI, TLS, SW adj & BTS \$000	<u>\$2,635,467</u>		<i>Rev Req w/BTS =</i>	\$2,635,467	\$0.00

Comparison SCG & SDGE revenue requirements	SCG	SDGE	SEU	Source
Authorized Base Margin in 2012GRC (excl misc revenue) \$000	\$2,105,281	\$304,021	\$2,409,302	SDGE/Revenue Check
attrition & other adjustments	\$120,327	\$18,999	\$139,326	
Current Authorized Base Margin	\$2,225,608	\$323,020	\$2,548,628	SDGE/Revenue Check
Remove Broker Fee	(\$7,927)		(\$7,927)	
Remove AB32 Admin Fee from Base Margin	(\$4,615)		(\$4,615)	
Adjustment to Storage for Aliso Canyon	\$0		\$0	
ACTR	\$33,426			
Unbundled BTS amount	(\$216,930)	\$0	(\$216,930)	
Net System Integration	\$32,158	(\$32,334)	(\$176)	
Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$2,061,720	\$290,686	\$2,352,406	
Other Operate Costs	\$63,534	\$27,612	\$91,146	SDGE/Revenue Check
Regulatory Accounts	\$268,066	\$61,061	\$329,126	SDGE/Revenue Check
EOR Revenue allocated to Other Classes \$000	(\$14,964)		(\$14,964)	
SW NGV & EG Adjustment	(\$1,281)	\$1,288	\$7	SDGE/Revenue Check
Net TLS Adjustment	\$719	(\$719)	\$0	SDGE/Revenue Check
Revenue Requirement w/oBTS	\$2,377,793	\$379,928	\$2,757,721	
BTS Revenue - \$000	\$257,673		\$257,673	
Revenue Requirement w/BTS	\$2,635,467	\$379,928	\$3,015,394	
	\$2,635,467	\$379,928	\$3,015,394	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	98.2926%	97.7569%		101.7370%	102.2946%		MISC Input
Pre-SI Costs:							
Backbone Transmission Cost	\$176,587	\$40,564	\$217,151	\$176,587	\$40,564	\$217,151	SI & BTS
Local Transmission Cost	\$71,956	\$0	\$71,956	\$71,956	\$0	\$71,956	SI & BTS
Transmission Costs	\$248,543	\$40,564	\$289,107	\$248,543	\$40,564	\$289,107	
Fuel	\$0	\$0	\$0	\$0	\$0	\$0	In-Kind Charge per BTS L
Total Pre-SI Costs	\$248,543	\$40,564	\$289,107	\$248,543	\$40,564	\$289,107	
Post-SI Costs:							
Backbone Transmission Cost	\$216,930	\$0	\$216,930	\$216,930	\$0	\$216,930	SI & BTS
Local Transmission Cost	\$63,771	\$8,185	\$71,956	\$63,771	\$8,185	\$71,956	SI & BTS
Transmission Costs	\$280,701	\$8,185	\$288,886	\$280,701	\$8,185	\$288,886	
Fuel	\$0	\$0	\$0	\$0	\$0	\$0	In-Kind Charge per BTS L
Total Post SI Costs	\$280,701	\$8,185	\$288,886	\$280,701	\$8,185	\$288,886	
SI/BTS Transfer \$000	\$32,158	(\$32,379)	(\$221)	\$32,158	(\$32,379)	(\$221)	
Other Sempra Wide Rate Adjustments:							
SW NGV	(\$287)	\$287	(\$0)	(\$292)	\$294	\$2	Rate Tables
SW EG-D	(\$972)	\$972	(\$0)	(\$989)	\$994	\$5	Rate Tables
SW TLS	\$706	(\$703)	\$4	\$719	(\$719)	(\$0)	Cost Alloc
Total Other Sempra Wide Rate Adjustments	(\$552)	\$556	\$4	(\$562)	\$569	\$7	

TIMPBA							
Pre-SI	\$21,485	\$3,162	\$24,646	\$21,858	\$3,234	\$25,092	TIMPBA

Post-SI	\$23,817	\$830	\$24,646	\$24,231	\$849	\$25,079	
TIMPBA Transfer \$000	\$2,332	(\$2,332)	\$0	\$2,372	(\$2,385)	(\$13)	
Pipeline Safety Accounts -Local Transmission							
Pre-SI	\$17,990	\$0	\$17,990	\$15,923	\$0	\$15,923	PSEP Accounts
Post-SI	\$15,652	\$2,339	\$17,990	\$15,923	\$2,392	\$18,316	
Pipeline Safety Accounts - Local T \$000	(\$2,339)	\$2,339	\$0	\$0	\$2,392	\$2,392	
Pipeline Safety Accounts - Backbone Transmission							
Pre-SI	\$30,792	\$234	\$31,027	\$31,327	\$240	\$31,567	PSEP Accounts
Post-SI	\$31,027	\$0	\$31,027	\$31,566	\$0	\$31,566	
Pipeline Safety Accounts\$000	\$234	(\$234)	\$0	\$238	(\$240)	(\$1)	
Total Transfer \$000	\$31,833	(\$32,050)	(\$217)	\$34,207	(\$32,043)	\$2,165	

**SoCalGas Cost Allocation
2020 TCAP Application**

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
 - 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

<u>Other Operating Costs and Revenues</u>	<u>Non-ECPT?</u>	<u>Add FFU Y or N?</u>
AB32 Fees (subtracted from base margin and allocated here)		Y
n/a		
Company Use Gas: Other		Y
Company Use Gas: Storage Load Balancing		N
AMI	Y	Y
Exchange Revenues & Interutility Transactions		N
Fuel Cell Equipment Revenues	Y	Y
Marketing: DSM Program Awards		Y
Unaccounted For (UAF) Gas		Y
n/a		
Well Incidents & Surface Leaks		Y
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Requirement		Y
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement		Y
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement		Y
Subtotal Other Operating Costs and Revenues		

**SoCalGas Cost Allocation
2020 TCAP Application**

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
 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

	Amount to Allocate (w/o F&U)
AB32 Fees (subtracted from base margin and allocated here)	\$4,536
n/a	
Company Use Gas: Other	\$992
Company Use Gas: Storage Load Balancing	\$979
AMI	\$31,235
Exchange Revenues & Interutility Transactions	\$343
Fuel Cell Equipment Revenues	\$0
Marketing: DSM Program Awards	\$0
Unaccounted For (UAF) Gas	\$24,272
n/a	
Well Incidents & Surface Leaks	\$125
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirem	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0
Subtotal Other Operating Costs and Revenues	\$62,482

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E
Base Margin Costs:													
Customer Cost w/o SA \$000	\$1,051,452	\$187,700	\$17	\$8,012	\$10,784	\$1,257,964	\$20,463	\$5,255	\$6,441	\$1,797	\$33,956	\$490	\$875
Medium Pressure Distribution Costs	\$288,483	\$65,399	\$6	\$313	\$2,360	\$356,561	\$11,931	\$2,356	\$1,885	\$43	\$16,216	\$0	\$0
High Pressure Distribution Costs	\$95,956	\$28,541	\$6	\$225	\$2,904	\$127,633	\$19,392	\$1,835	\$4,972	\$3,148	\$29,347	\$0	\$0
Backbone Transmission Costs	\$47,092	\$18,853	\$8	\$406	\$3,257	\$69,617	\$28,241	\$1,779	\$45,192	\$3,807	\$79,019	\$1,574	\$21,093
Local Transmission Costs	\$26,588	\$7,960	\$2	\$66	\$996	\$35,611	\$9,491	\$528	\$14,150	\$1,201	\$25,370	\$715	\$8,246
Storage - Seasonal	\$67,728	\$13,330	\$7	\$398	\$813	\$82,275	\$0	\$0	\$0	\$0	\$0	\$0	\$11,522
Storage - Load Balancing	\$17,719	\$7,496	\$3	\$168	\$1,350	\$26,737	\$11,673	\$737	\$18,729	\$1,578	\$32,717	\$601	\$8,447
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$4,940	\$1,020	\$0	\$30	\$70	\$6,059	\$313	\$39	\$283	\$0	\$635	\$0	\$0
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$2,964	\$2,964	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbndle w/FFU	\$1,599,957	\$330,299	\$49	\$9,618	\$25,499	\$1,965,422	\$101,505	\$12,530	\$91,652	\$11,574	\$217,261	\$3,380	\$50,183
Less Backbone Transmission Costs	(\$47,092)	(\$18,853)	(\$8)	(\$406)	(\$3,257)	(\$69,617)	(\$28,241)	(\$1,779)	(\$45,192)	(\$3,807)	(\$79,019)	(\$1,574)	(\$21,093)
Less Local Transmission Costs	(\$26,588)	(\$7,960)	(\$2)	(\$66)	(\$996)	(\$35,611)	(\$9,491)	(\$528)	(\$14,150)	(\$1,201)	(\$25,370)	(\$715)	(\$8,246)
Plus Local Transmission Costs w/SI, FFU	\$26,613	\$7,968	\$2	\$66	\$997	\$35,645	\$9,500	\$529	\$14,164	\$1,202	\$25,394	\$716	\$0
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,552,890	\$311,454	\$41	\$9,212	\$22,242	\$1,895,838	\$73,273	\$10,751	\$46,474	\$7,768	\$138,266	\$1,807	\$20,844

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$1,789	\$757	\$0	\$17	\$136	\$2,700	\$1,179	\$70	\$666	\$0	\$1,915	\$0	\$0
n/a													
Company Use Gas: Other	\$253	\$107	\$0	\$2	\$19	\$382	\$167	\$11	\$268	\$22	\$467	\$9	\$120
Company Use Gas: Storage Load Balancing	\$246	\$104	\$0	\$2	\$19	\$370	\$162	\$10	\$260	\$22	\$453	\$8	\$117
AMI	\$30,272	\$1,499	\$0	\$5	\$1	\$31,778	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$93	\$37	\$0	\$1	\$6	\$138	\$56	\$4	\$90	\$0	\$149	\$3	\$42
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$11,635	\$4,923	\$2	\$111	\$886	\$17,557	\$1,899	\$120	\$3,046	\$252	\$5,317	\$98	\$1,370
n/a													
Well Incidents & Surface Leaks	\$33	\$14	\$0	\$0	\$2	\$49	\$22	\$1	\$35	\$0	\$57	\$1	\$16
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirem	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$44,322	\$7,441	\$3	\$139	\$1,071	\$52,975	\$3,484	\$215	\$4,364	\$296	\$8,359	\$119	\$1,665

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	South West Gas	Vernon	Total Whole sale	Ecogas	TBS	Total Non Core	Total System \$000		Source
Base Margin Costs:									
Customer Cost w/o SA \$000	\$430	\$294	\$2,088	\$114	\$0	\$36,159	\$1,294,123		CA Model
Medium Pressure Distribution Costs	\$0	\$0	\$0	\$0	\$0	\$16,216	\$372,777		CA Model
High Pressure Distribution Costs	\$0	\$0	\$0	\$0	\$0	\$29,347	\$156,980		CA Model
Backbone Transmission Costs	\$1,308	\$1,857	\$25,831	\$2,119	\$0	\$106,970	\$176,587		CA Model
Local Transmission Costs	\$784	\$562	\$10,307	\$668	\$0	\$36,345	\$71,956		CA Model
Storage - Seasonal	\$0	\$0	\$11,522	\$0	\$0	\$11,522	\$93,797		CA Model
Storage - Load Balancing	\$502	\$732	\$10,282	\$878	\$0	\$43,878	\$70,614		CA Model
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0		CA Model
Uncollectibles	\$0	\$0	\$0	\$0	\$0	\$635	\$6,695		CA Model
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$2,964		CA Model
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$3,024	\$3,444	\$60,030	\$3,780	\$0	\$281,071	\$2,246,492		
Less Backbone Transmission Costs	(\$1,308)	(\$1,857)	(\$25,831)	(\$2,119)	\$0	(\$106,970)	(\$176,587)		
Less Local Transmission Costs	(\$784)	(\$562)	(\$10,307)	(\$668)	\$0	(\$36,345)	(\$71,956)		
Plus Local Transmission Costs w/SI, FFU	\$785	\$562	\$2,062	\$669	\$0	\$28,125	\$63,771		SI & FAR
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,716	\$1,587	\$25,955	\$1,661	\$0	\$165,882	\$2,061,720		

Other Operating Costs and Revenues

								F&U Amount \$000	Total Allocated \$000	
AB32 Fees (subtracted from base margin and allocated here)	\$0	\$0	\$0	\$0	\$0	\$1,915	\$4,615	\$79	\$4,536	Misc Input
n/a										
Company Use Gas: Other	\$7	\$10	\$147	\$13	\$0	\$626	\$1,009	\$16	\$992	Misc Input
Company Use Gas: Storage Load Balancing	\$7	\$10	\$142	\$12	\$0	\$608	\$979	\$0	\$979	Misc Input
AMI	\$0	\$0	\$0	\$0	\$0	\$0	\$31,778	\$543	\$31,235	AMI Decision
Exchange Revenues & Interutility Transactions	\$3	\$4	\$51	\$4	\$0	\$205	\$343	\$0	\$343	Dearnd FC 1/14/2008
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Mkt Dept 1/22/2008
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	2008RD Model
Unaccounted For (UAF) Gas	\$81	\$119	\$1,667	\$142	\$0	\$7,127	\$24,683	\$412	\$24,272	Misc Input
n/a										
Well Incidents & Surface Leaks	\$1	\$1	\$19	\$2	\$0	\$78	\$127	\$2	\$125	Misc Input
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirem	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Misc Input
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Misc Input
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Misc Input
Subtotal Other Operating Costs and Revenues	\$99	\$144	\$2,027	\$173	\$0	\$10,559	\$63,534	\$1,052	\$62,482	

**SoCalGas Cost Allocation
2020 TCAP Application**

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	
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
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 - 71% core @ ECPT / 29% noncore @ ECPT (
n/a	
Well Incidents & Surface Leaks	Allocate Core=Storage Inv NonCore=LB Inv=ECPT Ex
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement	ECPT ExEOR
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	ECPT GHG Fee Non-Exempt
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	Method - 71% core @ ECPT / 29% noncore @ ECPT (
Subtotal Other Operating Costs and Revenues	

SoCalGas Cost Allocation
2020 TCAP Application

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												
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%	38.8%	16.4%	0.0%	0.4%	3.0%	58.5%	25.5%	1.5%	14.4%	0.0%	41.5%
n/a												
Company Use Gas: Other	100.0%	25.1%	10.6%	0.0%	0.2%	1.9%	37.9%	16.5%	1.0%	26.5%	2.2%	46.3%
Company Use Gas: Storage Load Balancing	100.0%	25.1%	10.6%	0.0%	0.2%	1.9%	37.9%	16.5%	1.0%	26.5%	2.2%	46.3%
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%	27.3%	10.9%	0.0%	0.2%	1.9%	40.3%	16.3%	1.0%	26.2%	0.0%	43.5%
Fuel Cell Equipment Revenues	100.0%	75.6%	15.2%	0.0%	0.4%	1.1%	92.3%	3.6%	0.5%	2.3%	0.0%	6.4%
Marketing: DSM Program Awards	100.0%	66.3%	28.0%	0.0%	0.6%	5.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Unaccounted For (UAF) Gas	100.0%	47.1%	19.9%	0.0%	0.4%	3.6%	71.1%	7.7%	0.5%	12.3%	1.0%	21.5%
n/a												
Well Incidents & Surface Leaks	100.0%	25.7%	10.9%	0.0%	0.2%	2.0%	38.7%	16.9%	1.1%	27.1%	0.0%	45.1%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirem	100.0%	25.7%	10.9%	0.0%	0.2%	2.0%	38.7%	16.9%	1.1%	27.1%	0.0%	45.1%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	100.0%	56.9%	24.1%	0.0%	0.5%	4.3%	85.8%	10.9%	2.0%	1.3%	0.0%	14.2%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	100.0%	47.1%	19.9%	0.0%	0.4%	3.6%	71.1%	7.7%	0.5%	12.3%	1.0%	21.5%
Subtotal Other Operating Costs and Revenues	100.0%	69.8%	11.7%	0.0%	0.2%	1.7%	83.4%	5.5%	0.3%	6.9%	0.5%	13.2%

SoCalGas Cost Allocation
2020 TCAP Application

NCCI Allocation

▲

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	Ecogas	TBS	Total Non Core	Total Allocated to			Total Allocated to NCCI	
									NCCI	NCCI-D	NCCI-T		
Base Margin Costs:													
Customer Cost w/o SA \$000										\$20,463	\$19,442	\$1,021	\$20,463
Medium Pressure Distribution Costs										\$11,931	\$11,931	\$0	\$11,931
High Pressure Distribution Costs										\$19,392	\$19,392	\$0	\$19,392
Backbone Transmission Costs										\$28,241	\$16,831	\$11,410	\$28,241
Local Transmission Costs										\$9,491	\$5,373	\$4,118	\$9,491
Storage - Seasonal										\$0	\$0	\$0	\$0
Storage - Load Balancing										\$11,673	\$6,945	\$4,728	\$11,673
Storage - TBS										\$0	\$0	\$0	\$0
Uncollectibles										\$313	\$248	\$66	\$313
NGV Compression Costs:										\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU										\$101,505	\$80,163	\$21,342	\$101,505
Less Backbone Transmission Costs										(\$28,241)	(\$16,831)	(\$11,410)	(\$28,241)
Less Local Transmission Costs										(\$9,491)	(\$5,373)	(\$4,118)	(\$9,491)
Plus Local Transmission Costs w/SI, FFU										\$9,500	\$5,378	\$4,121	\$9,500
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU										\$73,273	\$63,337	\$9,936	\$73,273
Other Operating Costs and Revenues													
									<u>Non-ECPT?</u>				
AB32 Fees (subtracted from base margin and allocated here)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	41.5%		\$1,179	\$701	\$477	\$1,179
n/a										\$0	\$0	\$0	\$0
Company Use Gas: Other	0.9%	12.0%	0.7%	1.0%	14.6%	1.2%	0.0%	62.1%		\$167	\$99	\$68	\$167
Company Use Gas: Storage Load Balancing	0.9%	12.0%	0.7%	1.0%	14.6%	1.2%	0.0%	62.1%		\$162	\$96	\$66	\$162
AMI	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Y	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	0.9%	12.2%	0.8%	1.1%	15.0%	1.2%	0.0%	59.7%		\$56	\$33	\$23	\$56
Fuel Cell Equipment Revenues	0.1%	1.0%	0.1%	0.1%	1.3%	0.1%	0.0%	7.7%	Y	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	0.4%	5.6%	0.3%	0.5%	6.8%	0.6%	0.0%	28.9%		\$1,899	\$1,130	\$769	\$1,899
n/a										\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	0.9%	12.2%	0.7%	1.1%	14.9%	1.3%	0.0%	61.3%		\$22	\$12	\$9	\$22
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirem	0.9%	12.2%	0.7%	1.1%	14.9%	1.3%	0.0%	61.3%		\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.2%		\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	0.4%	5.6%	0.3%	0.5%	6.8%	0.6%	0.0%	28.9%		\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	0.2%	2.6%	0.2%	0.2%	3.2%	0.3%	0.0%	16.6%		\$3,484	\$2,072	\$1,411	\$3,484

SoCalGas Cost Allocation
2020 TCAP Application

EG Allocation

Allocation Factors Separate Distribution from Transmission

COST COMPONENTS \$000's	Allocation Method	Total %	NCCI - NCCI -		Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1	EG-D Tier 2	EG-T	Total Allocated to EG	Allocation Method
			D	T								
Base Margin Costs:												
Customer Cost w/o SA \$000					\$5,255	\$6,441	\$11,696	\$5,024	\$2,913	\$3,760	\$11,696	
Medium Pressure Distribution Costs					\$2,356	\$1,885	\$4,241	\$2,356	\$1,885	\$0	\$4,241	
High Pressure Distribution Costs					\$1,835	\$4,972	\$6,807	\$1,835	\$4,972	\$0	\$6,807	
Backbone Transmission Costs					\$1,779	\$45,192	\$46,971	\$1,612	\$4,428	\$40,931	\$46,971	
Local Transmission Costs					\$528	\$14,150	\$14,679	\$509	\$1,377	\$12,793	\$14,679	
Storage - Seasonal					\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Load Balancing					\$737	\$18,729	\$19,466	\$668	\$1,835	\$16,963	\$19,466	
Storage - TBS					\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Uncollectibles					\$39	\$283	\$322	\$37	\$54	\$231	\$322	
NGV Compression Costs:					\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU					\$12,530	\$91,652	\$104,182	\$12,041	\$17,463	\$74,678	\$104,182	
Less Backbone Transmission Costs					(\$1,779)	(\$45,192)	(\$46,971)	(\$1,612)	(\$4,428)	(\$40,931)	(\$46,971)	
Less Local Transmission Costs					(\$528)	(\$14,150)	(\$14,679)	(\$509)	(\$1,377)	(\$12,793)	(\$14,679)	
Plus Local Transmission Costs w/SI, FFU	% CYPM	100%	57%	43%	\$529	\$14,164	\$14,693	\$509	\$1,379	\$12,805	\$14,693	%CYPM
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU					\$10,751	\$46,474	\$57,225	\$10,430	\$13,037	\$33,758	\$57,225	

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	% AYTP	100%	59%	41%	\$70	\$666	\$736	\$67	\$185	\$484	\$736	ECPT excluding exempt EG
n/a	% AYTP	100%	59%	41%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	%AYTP
Company Use Gas: Other	% AYTP	100%	59%	41%	\$11	\$268	\$278	\$10	\$26	\$243	\$278	%AYTP
Company Use Gas: Storage Load Balancing	% AYTP	100%	59%	41%	\$10	\$260	\$270	\$9	\$25	\$235	\$270	%AYTP
AMI	N/A	0%	0%	0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	N/A
Exchange Revenues & Interutility Transactions	% CYTP	100%	60%	40%	\$4	\$90	\$93	\$3	\$9	\$81	\$93	%CYTP
Fuel Cell Equipment Revenues	EPAM NonCore C&I	100%	86%	14%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	EPAM NonCore C&I
Marketing: DSM Program Awards	% AYTP	100%	59%	41%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	%AYTP
Unaccounted For (UAF) Gas	% AYTP	100%	59%	41%	\$120	\$3,046	\$3,166	\$109	\$298	\$2,759	\$3,166	%AYTP
n/a	% AYTP	100%	59%	41%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	%AYTP
Well Incidents & Surface Leaks	% CYPM	100%	57%	43%	\$1	\$35	\$36	\$1	\$3	\$31	\$36	%CYPM
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requiremen	% AYTP	100%	59%	41%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	%AYTP
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	% AYTP	100%	82%	18%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	ECPT excluding exempt EG
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	% AYTP	100%	59%	41%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	%AYTP
Subtotal Other Operating Costs and Revenues					\$215	\$4,364	\$4,579	\$199	\$547	\$3,833	\$4,579	

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
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				
Uncollectibles				
NGV Compression Costs:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU				
Less Backbone Transmission Costs				
Less Local Transmission Costs				
	100%	3.4%	9.4%	87.1%
Plus Local Transmission Costs w/SI, FFU	100%	3.5%	9.4%	87.2%
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%	9.1%	25.2%	65.7%
n/a	100%	3.4%	9.4%	87.1%
Company Use Gas: Other	100%	3.4%	9.4%	87.1%
Company Use Gas: Storage Load Balancing	100%	3.4%	9.4%	87.1%
AMI	0%	0.0%	0.0%	0.0%
Exchange Revenues & Interutility Transactions	100%	3.4%	9.4%	87.1%
Fuel Cell Equipment Revenues	100%	18.2%	22.8%	59.0%
Marketing: DSM Program Awards	100%	3.4%	9.4%	87.1%
Unaccounted For (UAF) Gas	100%	3.4%	9.4%	87.1%
n/a	100%	3.4%	9.4%	87.1%
Well Incidents & Surface Leaks	100%	3.5%	9.4%	87.2%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirem	100%	3.4%	9.4%	87.1%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	100%	55.2%	22.3%	22.6%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	100%	3.4%	9.4%	87.1%
Subtotal Other Operating Costs and Revenues				

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's

Regulatory Accounts		
Affiliate Transfer Fee Account (ATFA)	Y	Y
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	Y	Y
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)		Y
Disconnect Memorandum Account (DMA)		Y
FERC Settlement Proceeds Memorandum Account (FSPMA)		Y
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Y	N
GRCRRMA Sub allocation for AB32 Admin Fees		N
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	Y	Y
Distributed Energy Resources Svcs Bal Account (DERSBA)	Y	Y
Firm Access & Storage Rights Memorandum Account (FARSMA)		Y
Core Fixed Cost Account - Non NGV (CFCA)		Y
Core Fixed Cost Account - NGV (CFCA)		Y
On-Bill Financing Balancing Account (OBFBA)	Y	Y
Economic Practicality Shortfall Memorandum Account (EPSMA)		Y
California Solar Initiative Thermal Memorandum Account (CSITPMA)		Y
Enhanced Oil Recovery Account (EORA)	Y	Y
Environmental Fee Balance Account EFBA		Y
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)		Y
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		Y
Green House Gas Balancing Account (GHGBA) - End User		Y
Green House Gas Balancing Account (GHGBA) - LUAF		Y
Hazardous Substance Cost-Recovery Account (HSCRA)		Y
Intervenor Award Memorandum Account (IAMA)		Y
Gain / Loss on Sale Memorandum Account (GLOSMA)	Y	Y
PCB Expense Account (PCBEA)		Y
Master Meter Balancing Account (MMBA)	Y	Y
Montebello True-Up Tracking Account (MTTA)	Y	Y
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y
Noncore Fixed Cost Account (NFCA) Margin	Y	Y
Noncore Fixed Cost Account (NFCA) Nonmargin		Y
Integrated Transmission Balancing Account (ITBA) Margin		Y
Integrated Transmission Balancing Account (ITBA) Nonmargin		Y
Compressor Station Fuel and Power Balancing Account (CFPBA)		Y
Compression Services Balancing Account (CSBA)	Y	Y
Company-Use Fuel for Load Balancing Account (CUFLBA)		Y
System Reliability Memorandum Account (SRMA)		Y
Noncore Storage Balancing Account (NSBA)		Y
Pension Balancing Account (PBA)	Y	Y
PBOP Balancing Account (PBOPBA)	Y	Y
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission		Y
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission		Y
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution		Y
Research Development and Demonstration Expense Account (RDDEA)	Y	Y
Research Royalty Memorandum Account (RRMA)	Y	Y
Self-Generation Program Memorandum Account (SGPMA)		Y
System Operator Gas Account (SOGA)		Y
Natural Gas Appliance Testing Memo Account (NGATMA)	Y	Y
Rewards & Penalties Balancing Account (RPBA)	Y	Y

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's

Regulatory Accounts

Affiliate Transfer Fee Account (ATFA)	(\$157)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	(\$35)
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0
Disconnect Memorandum Account (DMA)	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$279
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$204)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0
Core Fixed Cost Account - Non NGV (CFCA)	\$133,930
Core Fixed Cost Account - NGV (CFCA)	\$824
On-Bill Financing Balancing Account (OBFBA)	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$732
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$13,625
Enhanced Oil Recovery Account (EORA)	(\$4,274)
Environmental Fee Balance Account EFBA	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)	\$5,653
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$1,372
Intervenor Award Memorandum Account (IAMA)	\$1,069
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$220
PCB Expense Account (PCBEA)	\$0
Master Meter Balancing Account (MMBA)	\$5,342
Montebello True-Up Tracking Account (MTTA)	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$1,493
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$138
Noncore Fixed Cost Account (NFCA) Margin	(\$4,023)
Noncore Fixed Cost Account (NFCA) Nonmargin	\$850
Integrated Transmission Balancing Account (ITBA) Margin	\$2,114
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$1,670
Compression Services Balancing Account (CSBA)	(\$22)
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$542)
System Reliability Memorandum Account (SRMA)	\$7,809
Noncore Storage Balancing Account (NSBA)	\$10,308
Pension Balancing Account (PBA)	(\$2,881)
PBOP Balancing Account (PBOPBA)	(\$1,658)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$1,466
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$1,090
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$10,812
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$39,521
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$3,374
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	\$8,968
Research Development and Demonstration Expense Account (RDDEA)	\$0
Research Royalty Memorandum Account (RRMA)	(\$71)
Self-Generation Program Memorandum Account (SGPMA)	\$24,000
System Operator Gas Account (SOGA)	\$102
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0
Rewards & Penalties Balancing Account (RPBA)	\$627

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	South West Gas	Vernon	Total Whole sale	Ecogas	TBS	Total Non Core	Total System \$000		Source	
Regulatory Accounts										
Affiliate Transfer Fee Account (ATFA)	(\$0)	(\$0)	(\$2)	(\$0)	\$0	(\$12)	(\$160)	(\$3)	(\$157)	Reg. Acct Filing 10/2017
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	(\$0)	(\$0)	(\$0)	(\$0)	\$0	(\$3)	(\$36)	(\$1)	(\$35)	Reg. Acct Filing 10/2017
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$283	\$5	\$279	Reg. Acct Filing 10/2017
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$0)	(\$0)	(\$3)	(\$0)	\$0	(\$16)	(\$207)	(\$4)	(\$204)	Reg. Acct Filing 10/2017
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Core Fixed Cost Account - Non NGV (CFCA)	\$0	\$0	\$0	\$0	\$0	\$0	\$136,257	\$2,326	\$133,930	Reg. Acct Filing 10/2017
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0	\$0	\$0	\$0	\$838	\$14	\$824	Reg. Acct Filing 10/2017
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	\$0	\$0	\$745	\$745	\$13	\$732	Reg. Acct Filing 10/2017
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$0	\$0	\$0	\$0	\$4,778	\$13,862	\$237	\$13,625	Reg. Acct Filing 10/2017
Enhanced Oil Recovery Account (EORA)	(\$4)	(\$3)	(\$55)	(\$4)	\$0	(\$335)	(\$4,348)	(\$74)	(\$4,274)	Reg. Acct Filing 10/2017
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)	\$71	\$51	\$185	\$60	\$0	\$2,534	\$5,749	\$96	\$5,653	Reg. Acct Filing 10/2017
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Hazardous Substance Cost-Recovery Account (HSCRA)	\$10	\$15	\$207	\$18	\$0	\$855	\$1,396	\$23	\$1,372	Reg. Acct Filing 10/2017
Intervenor Award Memorandum Account (IAMA)	\$8	\$11	\$162	\$14	\$0	\$666	\$1,088	\$18	\$1,069	Reg. Acct Filing 10/2017
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$3	\$0	\$0	\$17	\$224	\$4	\$220	Reg. Acct Filing 10/2017
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Master Meter Balancing Account (MMBA)	\$5	\$4	\$68	\$4	\$0	\$418	\$5,434	\$93	\$5,342	Reg. Acct Filing 10/2017
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$630	\$1,519	\$26	\$1,493	Reg. Acct Filing 10/2017
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$2	\$0	\$0	\$11	\$140	\$2	\$138	Reg. Acct Filing 10/2017
Noncore Fixed Cost Account (NFCA) Margin	(\$44)	(\$41)	(\$670)	(\$43)	\$0	(\$4,090)	(\$4,090)	(\$68)	(\$4,023)	Reg. Acct Filing 10/2017
Noncore Fixed Cost Account (NFCA) Nonmargin	\$10	\$15	\$210	\$18	\$0	\$864	\$864	\$14	\$850	Reg. Acct Filing 10/2017
Integrated Transmission Balancing Account (ITBA) Margin	\$18	\$26	\$67	\$30	\$0	\$1,163	\$2,150	\$36	\$2,114	Reg. Acct Filing 10/2017
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$15	\$21	\$53	\$24	\$0	\$919	\$1,699	\$29	\$1,670	Reg. Acct Filing 10/2017
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0	\$0	\$0	(\$23)	(\$0)	(\$22)	Reg. Acct Filing 10/2017
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$4)	(\$6)	(\$80)	(\$7)	\$0	(\$342)	(\$551)	(\$9)	(\$542)	Reg. Acct Filing 10/2017
System Reliability Memorandum Account (SRMA)	\$58	\$84	\$1,180	\$101	\$0	\$4,864	\$7,941	\$132	\$7,809	Reg. Acct Filing 10/2017
Noncore Storage Balancing Account (NSBA)	\$76	\$111	\$1,557	\$133	\$0	\$6,421	\$10,482	\$174	\$10,308	Reg. Acct Filing 10/2017
Pension Balancing Account (PBA)	(\$2)	(\$2)	(\$37)	(\$2)	\$0	(\$225)	(\$2,931)	(\$50)	(\$2,881)	Reg. Acct Filing 10/2017
PBOP Balancing Account (PBOPBA)	(\$1)	(\$1)	(\$21)	(\$1)	\$0	(\$130)	(\$1,687)	(\$29)	(\$1,658)	Reg. Acct Filing 10/2017
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$18	\$13	\$48	\$16	\$0	\$657	\$1,491	\$25	\$1,466	Reg. Acct Filing 10/2017
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$207	\$1,109	\$19	\$1,090	Reg. Acct Filing 10/2017
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$135	\$97	\$355	\$115	\$0	\$4,846	\$10,994	\$183	\$10,812	Reg. Acct Filing 10/2017
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$7,503	\$40,194	\$673	\$39,521	Reg. Acct Filing 10/2017
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$42	\$30	\$111	\$36	\$0	\$1,512	\$3,431	\$57	\$3,374	Reg. Acct Filing 10/2017
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$1,703	\$9,121	\$153	\$8,968	Reg. Acct Filing 10/2017
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Research Royalty Memorandum Account (RRMA)	(\$0)	(\$0)	(\$1)	(\$0)	\$0	(\$6)	(\$73)	(\$1)	(\$71)	Reg. Acct Filing 10/2017
Self-Generation Program Memorandum Account (SGPMA)	\$0	\$0	\$0	\$0	\$0	\$24,077	\$24,417	\$417	\$24,000	Reg. Acct Filing 10/2017
System Operator Gas Account (SOGA)	\$1	\$1	\$15	\$1	\$0	\$63	\$104	\$2	\$102	Reg. Acct Filing 10/2017
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Reg. Acct Filing 10/2017
Rewards & Penalties Balancing Account (RPBA)	\$1	\$0	\$8	\$1	\$0	\$49	\$638	\$11	\$627	Reg. Acct Filing 10/2017

**SoCalGas Cost Allocation
2020 TCAP Application**

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 (GRCMA)	EPAM ExEOR
GRCRRMA Sub allocation for AB32 Admin Fees	ECPT AB32 Fee Non-Exempt
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	EPAM ExEOR
Distributed Energy Resources Svcs Bal Account (DERSBA)	EPAM ExEOR
Firm Access & Storage Rights Memorandum Account (FARSMA)	ECPT ExEOR
Core Fixed Cost Account - Non NGV (CFCA)	Core ECPT except NGV
Core Fixed Cost Account - NGV (CFCA)	NGV Only
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 - Local T)	CYPM System Excl. Wholesale
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	ECPT ExEOR
Green House Gas Balancing Account (GHGBA) - End User	ECPT GHG Fee Non-Exempt
Green House Gas Balancing Account (GHGBA) - LUAF	Method - 71% core @ ECPT / 29% noncore @ ECPT (
Hazardous Substance Cost-Recovery Account (HSCRA)	ECPT ExEOR
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 (NFC A) Margin	NonCore EPAM ExEOR
Noncore Fixed Cost Account (NFC A) 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)	2018 = NGV - 47%, CCI - 53%
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	CYPM System Excl. Wholesale
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	HPD CYPM System
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	CYPM System Excl. Wholesale
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	HPD CYPM System
Safety Enhancement Expense Balancing Account (SEEB A) - Local Transmission	CYPM System Excl. Wholesale
Safety Enhancement Expense Balancing Account (SEEB A) - Distribution	HPD CYPM System
Research Development and Demonstration Expense Account (RDDEA)	EPAM Excl EOR
Research Royalty Memorandum Account (RRMA)	EPAM Excl EOR
Self-Generation Program Memorandum Account (SGPMA)	SGPMA Benefits
System Operator Gas Account (SOGA)	ECPT ExEOR
Natural Gas Appliance Testing Memo Account (NGATMA)	EPAM Excl EOR
Rewards & Penalties Balancing Account (RPBA)	EPAM Excl EOR

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
Regulatory Accounts				
Affiliate Transfer Fee Account (ATFA)	100%	18.2%	22.8%	59.0%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	100%	18.2%	22.8%	59.0%
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	100%	3.4%	9.4%	87.1%
Disconnect Memorandum Account (DMA)	0%	0.0%	0.0%	0.0%
FERC Settlement Proceeds Memorandum Account (FSPMA)	0%	0.0%	0.0%	0.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	100%	18.2%	22.8%	59.0%
GRCRRMA Sub allocation for AB32 Admin Fees	100%	9.1%	25.2%	65.7%
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	100%	18.2%	22.8%	59.0%
Distributed Energy Resources Svcs Bal Account (DERSBA)	100%	18.2%	22.8%	59.0%
Firm Access & Storage Rights Memorandum Account (FARSMA)	100%	3.4%	9.4%	87.1%
Core Fixed Cost Account - Non NGV (CFCA)	100%	3.4%	9.4%	87.1%
Core Fixed Cost Account - NGV (CFCA)	100%	3.4%	9.4%	87.1%
On-Bill Financing Balancing Account (OBFBA)	100%	18.2%	22.8%	59.0%
Economic Practicality Shortfall Memorandum Account (EPSMA)	100%	3.4%	9.4%	87.1%
California Solar Initiative Thermal Memorandum Account (CSITPMA)	100%	3.4%	9.4%	87.1%
Enhanced Oil Recovery Account (EORA)	100%	18.2%	22.8%	59.0%
Environmental Fee Balance Account EFBA	100%	9.1%	25.2%	65.7%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	100%	18.2%	22.8%	59.0%
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)	100%	3.5%	9.4%	87.2%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	100%	3.4%	9.4%	87.1%
Green House Gas Balancing Account (GHGBA) - End User	100%	55.2%	22.3%	22.6%
Green House Gas Balancing Account (GHGBA) - LUAF	100%	3.4%	9.4%	87.1%
Hazardous Substance Cost-Recovery Account (HSCRA)	100%	3.4%	9.4%	87.1%
Intervenor Award Memorandum Account (IAMA)	100%	3.4%	9.4%	87.1%
Gain / Loss on Sale Memorandum Account (GLO SMA)	100%	18.2%	22.8%	59.0%
PCB Expense Account (PCBEA)	100%	3.4%	9.4%	87.1%
Master Meter Balancing Account (MMBA)	100%	18.2%	22.8%	59.0%
Montebello True-Up Tracking Account (MTTA)	100.0%	3.4%	9.4%	87.1%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	100.0%	9.1%	25.2%	65.7%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	100.0%	18.2%	22.8%	59.0%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	100.0%	18.2%	22.8%	59.0%
Noncore Fixed Cost Account (NFCA) Margin	100%	18.2%	22.8%	59.0%
Noncore Fixed Cost Account (NFCA) Nonmargin	100%	3.4%	9.4%	87.1%
Integrated Transmission Balancing Account (ITBA) Margin	100%	3.4%	9.4%	87.1%
Integrated Transmission Balancing Account (ITBA) Nonmargin	100%	3.4%	9.4%	87.1%
Compressor Station Fuel and Power Balancing Account (CFPBA)	100%	3.4%	9.4%	87.1%
Compression Services Balancing Account (CSBA)				
Company-Use Fuel for Load Balancing Account (CUFLBA)	100%	3.4%	9.4%	87.1%
System Reliability Memorandum Account (SRMA)	100%	3.4%	9.4%	87.1%
Noncore Storage Balancing Account (NSBA)	100%	3.4%	9.4%	87.1%
Pension Balancing Account (PBA)	100%	18.2%	22.8%	59.0%
PBOP Balancing Account (PBOPBA)	100%	18.2%	22.8%	59.0%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	100%	3.5%	9.4%	87.2%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	100%	27.0%	73.0%	0.0%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	100%	3.5%	9.4%	87.2%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	100%	27.0%	73.0%	0.0%
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	100%	3.5%	9.4%	87.2%
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	100%	27.0%	73.0%	0.0%
Research Development and Demonstration Expense Account (RDDEA)	100%	18.2%	22.8%	59.0%
Research Royalty Memorandum Account (RRMA)	100%	18.2%	22.8%	59.0%
Self-Generation Program Memorandum Account (SGPMA)	100%	3.4%	9.4%	87.1%
System Operator Gas Account (SOGA)	100%	3.4%	9.4%	87.1%
Natural Gas Appliance Testing Memo Account (NGATMA)	100%	18.2%	22.8%	59.0%
Rewards & Penalties Balancing Account (RPBA)	100%	18.2%	22.8%	59.0%

COST COMPONENTS \$000's
Total Regulatory Accounts

SoCalGas Cost Allocation
2020 TCAP Application

COST COMPONENTS \$000's
Total Regulatory Accounts

\$263,524

SoCalGas Cost Allocation
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COST COMPONENTS \$000's	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E
Total Regulatory Accounts	\$145,248	\$58,175	\$22	\$1,126	\$3,150	\$207,721	\$17,785	\$1,689	\$35,612	\$1,384	\$56,470	\$423	\$2,103

SoCalGas Cost Allocation
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COST COMPONENTS \$000's	South West Gas	Vernon	Total Whole sale	Ecogas	TBS	Total Non Core	Total System \$000		Source
Total Regulatory Accounts	\$411	\$426	\$3,362	\$513	\$0	\$60,345	\$268,066	\$4,542	\$263,524

SoCalGas Cost Allocation
2020 TCAP Application

COST COMPONENTS \$000's	Allocation
Total Regulatory Accounts	

SoCalGas Cost Allocation
 2020 TCAP Application

Allocation %

COST COMPONENTS \$000's	Allocation %										Total Retail Non Core	
	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 Regulatory Accounts		54.2%	21.7%	0.0%	0.4%	1.2%	77.5%	6.6%	0.6%	13.3%	0.5%	21.1%

SoCalGas Cost Allocation
 2020 TCAP Application

NCCI Allocation



COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	Ecogas	TBS	Total Non Core	Total Allocated to NCCI	NCCI-D	NCCI-T	Total Allocated to NCCI
Total Regulatory Accounts	0.2%	0.8%	0.2%	0.2%	1.3%	0.2%	0.0%	22.5%	\$17,785	\$12,473	\$5,312	\$17,785

SoCalGas Cost Allocation
2020 TCAP Application

EG Allocation

Allocation Factors

Separate Distribution from Transmission

COST COMPONENTS \$000's	Allocation Method	Total %	NCCI - NCCI -		Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1	EG-D Tier 2	EG-T	Total Allocated to EG	Allocation Method
			D	T								
Total Regulatory Accounts					\$1,689	\$35,612	\$37,301	\$1,579	\$4,734	\$30,988	\$37,301	

SoCalGas Cost Allocation
2020 TCAP Application

COST COMPONENTS \$000's	Total %	EG-D 1	Tier	EG-D Tier 2	EG-T
Total Regulatory Accounts					

**SoCalGas Cost Allocation
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COST COMPONENTS \$000's

Core Interstate Pipeline Demand Charges (IPDC) Y
 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 N

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
 Rate Tables
 difference

AYTP Mth/yr
 Average Rate w/oBTS \$/th
 Rate Tables
 difference

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
 Rate Tables
 difference

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
 Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr
 Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors:

Forecast AYTP Mth/yr
 Forecast AYTP Dist only mth/yr
 Forecast CYTP Mth/yr
 Forecast # Customers
 Forecast CYPM Mth/mo

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's

Core Interstate Pipeline Demand Charges (IPDC)	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$326,006

EOR Revenue allocated to Other Classes \$000	
EOR Costs allocated to Other Classes \$000	
Gas Engine Rate CAP adjustment	\$6,813

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	
Rate Tables difference	

AYTP Mth/yr	
Average Rate w/oBTS \$/th	
Rate Tables difference	

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	
Rate Tables difference	

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	

Calculation of Allocation Factors:

Forecast AYTP Mth/yr	
Forecast AYTP Dist only mth/yr	
Forecast CYTP Mth/yr	
Forecast # Customers	
Forecast CYPM Mth/mo	

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core			EOR	Total Retail Non Core	Long Beach	SDG&E
							C&I	EG Tier 1	EG Tier 2				
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$1,742,460	\$377,069	\$66	\$10,477	\$26,463	\$2,156,535	\$94,541	\$12,656	\$86,449	\$9,448	\$203,095	\$2,349	\$24,611
EOR Revenue allocated to Other Classes \$000	(\$11,314)	(\$2,269)	(\$0)	(\$67)	(\$162)	(\$13,812)	(\$534)	(\$78)	(\$339)		(\$951)	(\$13)	(\$152)
EOR Costs allocated to Other Classes \$000	\$7,143	\$1,433	\$0	\$42	\$102	\$8,721	\$337	\$49	\$214	(\$9,448)	(\$8,848)	\$8	\$96
Gas Engine Rate CAP adjustment	\$5,608	\$1,125	\$0	(\$6,813)	\$80	\$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	\$1,743,897	\$377,357	\$66	\$3,639	\$26,484	\$2,151,443	\$94,345	\$12,627	\$86,325	\$0	\$193,296	\$2,344	\$24,555
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814	97,615	2,480,164		4,123,593	79,646	1,118,614
Average Rate w/oFAR \$/th	\$0.74324	\$0.38013	\$0.15857	\$0.16318	\$0.14814	\$0.60766	\$0.06103	\$0.12936	\$0.03481	\$0.00000	\$0.04688	\$0.02943	\$0.02195
FFU Rate	101.74%	101.74%	101.74%	101.74%	101.74%		101.74%	101.74%	101.74%	100.00%		101.43%	101.43%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814	97,615	2,480,164	208,941	4,332,534	79,646	1,118,614
Sempre Wide & TLS Adjustments::													
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$1,743,897	\$377,357	\$66	\$3,639	\$26,484	\$2,151,443	\$94,345		\$98,952		\$193,296	\$2,344	\$24,555
SW NGV Adjustment					(\$292)	(\$292)					\$0		
SW EG Adjustment						\$0			(\$989)		(\$989)		
TLS Adjustment													
Amount allocated to TLS Class \$000						\$0	(\$16,633)		(\$68,489)		(\$85,121)	(\$2,344)	
TLS revenue paid by class @ average TLS rate \$000						\$0	\$20,333		\$64,375		\$84,708	\$2,260	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$1,743,897	\$377,357	\$66	\$3,639	\$26,192	\$2,151,151	\$98,045		\$93,849		\$191,894	\$2,260	\$24,555
Rate Tables difference	\$1,743,897	\$377,357	\$66	\$3,639	\$26,192	\$2,151,151	\$98,045		\$93,849		\$191,894	\$2,260	\$24,555
Rate Tables difference	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0		\$0	\$0	\$0
AYTP Mth/yr	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814		2,577,778		4,123,593	79,646	1,118,614
Average Rate w/oBTS \$/th	\$0.74324	\$0.38013	\$0.15857	\$0.16318	\$0.14651	\$0.60758	\$0.06343		\$0.03641		\$0.04654	\$0.02837	\$0.02195
Rate Tables difference	\$0.74324	\$0.38013	\$0.15857	\$0.16318	\$0.14651	\$0.60758	\$0.06343		\$0.03641		\$0.04654	\$0.02837	\$0.02195
Rate Tables difference	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.00000		\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$68,785	\$27,538	\$11	\$594	\$4,758	\$101,685	\$41,250	\$2,598	\$66,009	\$5,561	\$115,419	\$2,298	\$30,553
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$1,812,682	\$404,895	\$77	\$4,233	\$30,950	\$2,252,836	\$139,295	\$2,598	\$159,859	\$5,561	\$307,313	\$4,558	\$55,108
Average Rate w/ BTS \$/th	\$0.77255	\$0.40787	\$0.18519	\$0.18979	\$0.17313	\$0.63630	\$0.09011	\$0.02661	\$0.06445		\$0.07453	\$0.05723	\$0.04926
Rate Tables difference													
Effective Allocation %'s:													
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	71.2%	14.7%	0.0%	0.4%	1.1%	87.5%	4.5%	0.6%	4.1%	0.5%	9.7%	0.2%	2.2%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	75.3%	15.1%	0.0%	0.4%	1.1%	92.0%	3.6%	0.5%	2.3%	0.4%	6.7%	0.1%	1.0%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	73.3%	15.9%	0.0%	0.2%	1.1%	90.5%	4.0%	0.5%	3.6%	0.0%	8.1%	0.1%	1.0%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	73.3%	15.9%	0.0%	0.2%	1.1%	90.5%	4.1%	0.0%	3.9%	0.0%	8.1%	0.1%	1.0%

Calculation of Allocation Factors:

Forecast AYTP Mth/yr
Forecast AYTP Dist only mth/yr
Forecast CYTP Mth/yr
Forecast # Customers
Forecast CYPM Mth/mo

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	South West Gas	Vernon	Total Whole sale	Ecogas	TBS	Total Non Core	Total System \$000		Source	
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	2009FC @ 9/10/2007
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$2,226	\$2,157	\$31,343	\$2,347	\$0	\$236,785	\$2,393,319			
EOR Revenue allocated to Other Classes \$000	(\$13)	(\$12)	(\$189)	(\$12)	\$0	(\$1,152)	(\$14,964)			EOR
EOR Costs allocated to Other Classes \$000	\$8	\$7	\$119	\$8	\$0	(\$8,721)	\$0			EOR
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0			G-EN
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$2,221	\$2,153	\$31,274	\$2,342	\$0	\$226,912	\$2,378,355			
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	66,431	96,890	1,361,582	116,299	0	5,601,473	9,142,019			Alloc Factors
Average Rate w/oFAR \$/th	\$0.03344	\$0.02222	\$0.02297	\$0.02014	\$0.00000	\$0.04051	\$0.26016			
FFU Rate	101.43%	101.43%		101.43%	101.74%					Misc Incpnt
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	66,431	96,890	1,361,582	116,299	0	5,810,415	9,350,960			
			\$6,719							
Sempra Wide & TLS Adjustments::										
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$2,221	\$2,153	\$31,274	\$2,342	\$0	\$226,912	\$2,378,355			
SW NGV Adjustment			\$0			\$0	(\$292)			
SW EG Adjustment			\$0			(\$989)	(\$989)			
TLS Adjustment										
Amount allocated to TLS Class \$000	(\$2,221)	(\$2,153)	(\$6,719)	(\$2,342)		(\$94,182)	(\$94,182)			
TLS revenue paid by class @ average TLS rate \$000	\$1,885	\$2,749	\$6,893	\$3,300		\$94,901	\$94,901			
	(\$337)	\$596	\$175	\$957	\$0	\$719	\$719			
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$1,885	\$2,749	\$31,448	\$3,300	\$0	\$226,642	\$2,377,793			
Rate Tables difference	\$1,885	\$2,749	\$31,448	\$3,300	\$0	\$226,642	\$2,377,793			
	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
AYTP Mth/yr	66,431	96,890	1,361,582	116,299		5,601,473	9,142,019			
Average Rate w/oBTS \$/th	\$0.02837	\$0.02837	\$0.02310	\$0.02837		\$0.04046	\$0.26009			
Rate Tables difference	\$0.02837	\$0.02837		\$0.02837			\$0.26009			
	\$0.00000	\$0.00000		\$0.00000			\$0.00000			
BTS w/FFU Charge \$000	\$1,911	\$2,713	\$37,474	\$3,095	\$0	\$155,988	\$257,673			SI & FAR
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$3,795	\$5,462	\$68,923	\$6,395	\$0	\$382,630	\$2,635,467			
Average Rate w/ BTS \$/th	\$0.05713	\$0.05637	\$0.05062	\$0.05499		\$0.06831	\$0.28828			
Rate Tables difference							\$2,635,467			
							\$0			
Effective Allocation %'s:										
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	0.1%	0.2%	2.7%	0.2%	0.0%	12.5%	100.0%			
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	0.1%	0.1%	1.3%	0.1%	0.0%	8.0%	100.0%			
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	0.1%	0.1%	1.3%	0.1%	0.0%	9.5%	100.0%			
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	0.1%	0.1%	1.3%	0.1%	0.0%	9.5%	100.0%			

Calculation of Allocation Factors:

Forecast AYTP Mth/yr
Forecast AYTP Dist only mth/yr
Forecast CYTP Mth/yr
Forecast # Customers
Forecast CYPM Mth/mo

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Allocation
Core Interstate Pipeline Demand Charges (IPDC)	Core ECPT
Transport Rev Req before EOR & G-EN CAP adjustments \$000	
<hr/>	
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	
<hr/>	
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	
Average Rate w/oFAR \$/th	
FFU Rate	
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	
<hr/>	
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	
<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	
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<i>Rate Tables</i>	
<i>difference</i>	
<hr/>	
BTS w/FFU Charge \$000	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	
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Average Rate w/ BTS \$/th	
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<i>Rate Tables</i>	
<i>difference</i>	
<hr/>	
Effective Allocation %'s:	
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	
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Calculation of Allocation Factors:

Forecast AYTP Mth/yr
Forecast AYTP Dist only mth/yr
Forecast CYTP Mth/yr
Forecast # Customers
Forecast CYPM Mth/mo

**SoCalGas Cost Allocation
2020 TCAP Application**

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%	66.3%	28.0%	0.0%	0.6%	5.0%	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	#####	82.3%	16.5%	0.0%	-100.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	osts
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												
Rate Tables difference												
AYTP Mth/yr												
Average Rate w/oBTS \$/th												
Rate Tables difference												
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												
Rate Tables difference												
Effective Allocation %'s:												
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU												
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU												
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr												
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr												

Calculation of Allocation Factors:

- Forecast AYTP Mth/yr
- Forecast AYTP Dist only mth/yr
- Forecast CYTP Mth/yr
- Forecast # Customers
- Forecast CYPM Mth/mo

SoCalGas Cost Allocation
2020 TCAP Application

NCCI Allocation

▲

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	Ecogas	TBS	Total Non Core	Total Allocated to NCCI	NCCI-D	NCCI-T	Total Allocated to NCCI
Core Interstate Pipeline Demand Charges (IPDC)	0.0%	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									\$94,541	\$77,882	\$16,659	\$94,541
EOR Revenue allocated to Other Classes \$000									(\$534)	(\$461)	(\$72)	(\$534)
EOR Costs allocated to Other Classes \$000									\$337	\$291	\$46	\$337
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									\$94,345	\$77,712	\$16,633	\$94,345
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr									1,545,814	919,735	626,080	1,545,814
Average Rate w/oFAR \$/th									\$0.06103	\$0.08449	\$0.02657	\$0.06103
FFU Rate									101.74%	101.74%	101.74%	101.74%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr									1,545,814	919,735	626,080	1,545,814
Sempra Wide & TLS Adjustments::												
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr									\$94,345	\$77,712	\$16,633	\$94,345
SW NGV Adjustment												\$0
SW EG Adjustment												\$0
TLS Adjustment												\$0
Amount allocated to TLS Class \$000									(\$94,345)		(\$16,633)	(\$16,633)
TLS revenue paid by class @ average TLS rate \$000									\$20,333		\$20,333	\$20,333
									(\$74,012)	\$0	\$3,700	\$3,700
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr									\$20,333	\$77,712	\$20,333	\$98,045
<i>Rate Tables difference</i>												
AYTP Mth/yr									1,545,814	919,735	626,080	1,545,814
Average Rate w/oBTS \$/th												
<i>Rate Tables difference</i>												
BTS w/FFU Charge \$000									\$41,250	\$24,585	\$16,666	\$41,250
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr									\$135,595	\$102,297	\$33,298	\$135,595
Average Rate w/ BTS \$/th									\$0.08772	\$0.11122	\$0.05319	\$0.08772
<i>Rate Tables difference</i>												
Effective Allocation %'s:												
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU												
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU												
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr												
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr												
Calculation of Allocation Factors:												
Forecast AYTP Mth/yr									1,545,814	919,735	626,080	1,545,814
Forecast AYTP Dist only mth/yr												
Forecast CYTP Mth/yr									1,549,897	923,717	626,181	1,549,897
Forecast # Customers									593	563	30	593
Forecast CYPM Mth/mo									140,247	79,400	60,847	140,247

SoCalGas Cost Allocation
2020 TCAP Application

EG Allocation

Allocation Factors Separate Distribution from Transmission

COST COMPONENTS \$000's	Allocation Method	Total %	NCCI - NCCI -		Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1	EG-D Tier 2	EG-T	Total Allocated to EG	Allocation Method
			D	T								
Core Interstate Pipeline Demand Charges (IPDC)	% AYTP	100%	59%	41%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	%AYTP
Transport Rev Req before EOR & G-EN CAP adjustments \$000					\$12,656	\$86,449	\$99,105	\$12,207	\$18,319	\$68,579	\$99,105	
EOR Revenue allocated to Other Classes \$000	EPAM NonCore C&I	100%	86%	14%	(\$78)	(\$339)	(\$417)	(\$76)	(\$95)	(\$246)	(\$417)	EPAM NonCore C&I
EOR Costs allocated to Other Classes \$000	EPAM NonCore C&I	100%	86%	14%	\$49	\$214	\$263	\$48	\$60	\$155	\$263	EPAM NonCore C&I
Gas Engine Rate CAP adjustment	EPAM NonCore C&I	100%	86%	14%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	EPAM NonCore C&I
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr					\$12,627	\$86,325	\$98,952	\$12,179	\$18,284	\$68,489	\$98,952	
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr					97,615	2,480,164	2,577,778	88,449	242,993	2,246,336	2,577,778	
Average Rate w/oFAR \$/th					\$0.12936	\$0.03481	\$0.03839	\$0.13770	\$0.07524	\$0.03049	\$0.03839	
FFU Rate					101.7%	101.7%	101.7%	101.7%	101.7%	101.7%	101.7%	
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr					97,615	2,480,164	2,577,778	88,449	242,993	2,246,336	2,577,778	

Sempra Wide & TLS Adjustments::

Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr								\$12,179	\$18,284	\$68,489	\$98,952	
SW NGV Adjustment												
SW EG Adjustment								(\$575)	(\$414)		(\$989)	
TLS Adjustment											\$0	
Amount allocated to TLS Class \$000											(\$68,489)	(\$68,489)
TLS revenue paid by class @ average TLS rate \$000											\$64,375	\$64,375
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr								\$0	\$0	(\$4,113)	(\$4,113)	
								\$11,604	\$17,870	\$64,375	\$93,849	

Rate Tables
difference

AYTP Mth/yr								88,449	242,993	2,246,336	2,577,778	
Average Rate w/oBTS \$/th												

Rate Tables
difference

BTS w/FFU Charge \$000	% CYTP	100%	60%	40%	\$2,598	\$66,009	\$68,607	\$2,354	\$6,467	\$59,786	\$68,607	%CYTP
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr					\$15,225	\$152,334	\$167,559	\$14,533	\$24,751	\$128,275	\$167,559	
Average Rate w/ BTS \$/th					\$0.15597	\$0.06142	\$0.06500	\$0.16431	\$0.10186	\$0.05710	\$0.06500	

Rate Tables
difference

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors:

		Allocation Factors									
Forecast AYTP Mth/yr	% AYTP	100%	59.5%	40.5%	2,577,778	88,449	242,993	2,246,336	Alloc Factors	%AYTP	
Forecast AYTP Dist only mth/yr					331,442	88,449	242,993	0		%AYTP Dist Only	
Forecast CYTP Mth/yr	% CYTP	100%	59.6%	40.4%	2,577,778	88,449	242,993	2,246,336	Alloc Factors	%CYTP	
Forecast # Customers	% # Customers	100%	95.0%	5.0%	389	308	30	51	Alloc Factors	% Forecast Customers	
Forecast CYPM Mth/mo	% CYPM	100%	56.6%	43.4%	216,917	7,515	20,356	189,046	Alloc Factors	% CYPM	

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
Core Interstate Pipeline Demand Charges (IPDC)	100%	3.4%	9.4%	87.1%
Transport Rev Req before EOR & G-EN CAP adjustments \$000				
EOR Revenue allocated to Other Classes \$000	100%	18.2%	22.8%	59.0%
EOR Costs allocated to Other Classes \$000	100%	18.2%	22.8%	59.0%
Gas Engine Rate CAP adjustment	100%	18.2%	22.8%	59.0%

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
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

Rate Tables
difference

AYTP Mth/yr
Average Rate w/oBTS \$/th

Rate Tables
difference

BTS w/FFU Charge \$000	100%	3.4%	9.4%	87.1%
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Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr

Average Rate w/ BTS \$/th

Rate Tables
difference

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors:

Forecast AYTP Mth/yr	100.0%	3.4%	9.4%	87.1%
Forecast AYTP Dist only mth/yr	100.0%	26.7%	73.3%	0.0%
Forecast CYTP Mth/yr	100.0%	3.4%	9.4%	87.1%
Forecast # Customers	100.0%	79.2%	7.7%	13.0%
Forecast CYPM Mth/mo	100.0%	3.5%	9.4%	87.2%

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's

CYPM Dist Only mth/mo

CYPD

Base Margin Costs from CA Model including FFU

Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y

Less: EG Exempt Customers Mth/y

AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1

Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T

Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's

CYPM Dist Only mth/mo

CYPD

Base Margin Costs from CA Model including FFU

Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y

Less: EG Exempt Customers Mth/y

AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1

Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T

Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E
CYPM Dist Only mth/mo													
CYPD													
Base Margin Costs from CA Model including FFU													
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU													

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
 Less: EG Exempt Customers Mth/y
 AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
 Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
 Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
 Less: GHG Charge Exempt Customers Mth/y
 AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	South West Gas	Vernon	Total Whole sale	Ecogas	TBS	Total Non Core	Total System \$000	Source
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CYPM Dist Only mth/mo
 CYPD
 Base Margin Costs from CA Model including FFU
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
 Less: EG Exempt Customers Mth/y
 AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
 Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
 Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
 Less: GHG Charge Exempt Customers Mth/y
 AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

SoCalGas Cost Allocation
2020 TCAP Application

COST COMPONENTS \$000's	Allocation
CYPM Dist Only mth/mo	
CYPD	
Base Margin Costs from CA Model including FFU	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
Less: EG Exempt Customers Mth/y
AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
Less: GHG Charge Exempt Customers Mth/y
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

**SoCalGas Cost Allocation
2020 TCAP Application**

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
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CYPM Dist Only mth/mo
 CYPD
 Base Margin Costs from CA Model including FFU
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
 Less: EG Exempt Customers Mth/y
 AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
 Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
 Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
 Less: GHG Charge Exempt Customers Mth/y
 AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

**SoCalGas Cost Allocation
2020 TCAP Application**

NCCI Allocation

▲

COST COMPONENTS \$000's	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	Ecogas	TBS	Total Non Core	Total Allocated to NCCI	NCCI-D	NCCI-T	Total Allocated to NCCI
CYPM Dist Only mth/mo												
CYPD												
Base Margin Costs from CA Model including FFU									\$101,505	\$80,163	\$21,342	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU									\$73,273	\$63,337	\$9,936	

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
 Less: EG Exempt Customers Mth/y
 AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
 Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
 Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
 Less: GHG Charge Exempt Customers Mth/y
 AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

1,545,814	919,735	626,080
<u>(1,096,102)</u>	<u>(548,830)</u>	<u>(547,272)</u>
449,712	370,905	78,807

Less: GHG Charge Exempt Customers Mth/y

Present	<u>(516,229)</u>	<u>(577,131)</u>
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**SoCalGas Cost Allocation
2020 TCAP Application**

EG Allocation

COST COMPONENTS \$000's	Allocation Method	Allocation Factors			Separate Distribution from Transmission				Total Allocated to EG	Allocation Method		
		Total %	NCCI - NCCI -		Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1			EG-D Tier 2	EG-T
			D	T								
CYPM Dist Only mth/mo						27,871	7,515	20,356	0	% CYPM Distribution Only		
CYPD						8,366	246	657	7,463	CYPD		
Base Margin Costs from CA Model including FFU	% FFU in CA model	100%	79.0%	21.0%		\$104,182	\$12,041	\$17,463	\$74,678	% FFU in CA model		
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	EPAM NonCore C&I	100%	86.4%	13.6%		\$57,225	\$10,430	\$13,037	\$33,758	EPAM NonCore C&I		

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y						2,577,778	88,449	242,993	2,246,336	
Less: EG Exempt Customers Mth/y						(1,612,617)	(409)	(158)	(1,612,051)	
AYTP Mth/yr of Non-Exempt Customers Mth/y						965,161	88,040	242,836	634,285	% ECPT exclExempt Customer

Exempt EG D Tier 1						Old 798	New 409			
Exempt EG-D Tier 2:						1,036	158			
<hr/>										
Exempt EG-T:						1,714,769	1,612,051			
Total Exempt EG-T						<hr/>				
Total EG Exempt						1,716,604	1,612,617			

GHG Fee Adder

AYTP Mth/yr all customers Mth/y										
Less: GHG Charge Exempt Customers Mth/y										
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	% NonExempt	100.0%	82.5%	17.5%						% ECPT exclExempt Customer

Less: GHG Charge Exempt Customers Mth/y Present

**SoCalGas Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Total %	EG-D Tier 1	EG-D Tier 2	EG-T
CYPM Dist Only mth/mo	100.0%	27.0%	73.0%	0.0%
CYPD				
Base Margin Costs from CA Model including FFU	100.0%	11.6%	16.8%	71.7%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	100.0%	18.2%	22.8%	59.0%

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y				
Less: EG Exempt Customers Mth/y				
AYTP Mth/yr of Non-Exempt Customers Mth/y	100.00%	9.1%	25.2%	65.7%

Exempt EG D Tier 1
Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y	2,577,778	88,449	242,993	2,246,336
Less: GHG Charge Exempt Customers Mth/y	(2,443,403)	(14,335)	(213,076)	(2,215,992)
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	134,375	74,114	29,918	30,343
	100.00%	55.2%	22.3%	22.6%

Less: GHG Charge Exempt Customers Mth/y		(12,513)	(182,293)	(2,352,356)
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SCG Allocation Factors
2020 TCAP Application

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
INPUT:										
TCAP Period = 2017-2019										
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)	117	6,487	0	1,186	34,342	42,134	626,080	9,166	2,237,170	57,184
Cold Year Throughput (1-in-35) (MTh)	129	6,762	0	1,186	34,342	42,420	626,181	9,166	2,237,170	57,184
Cold Year Peak Month (December) (MTh)	20	769	0	52	2,828	3,668	60,847	291	188,755	4,857
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	38	0	2	91	132	2,005	9	7,454	157
Number of Customers	25	69	0	16	17	127	30	14	36	11
High Pressure										
Average Year Throughput (MTh)	9,291	45,498	184	2,566	70,282	127,822	615,166	18,556	185,896	150,438
Cold Year Throughput (1-in-35) (MTh)	10,233	47,421	184	2,566	70,282	130,688	616,507	18,556	185,896	150,438
Cold Year Peak Month (December) (MTh)	1,556	5,391	12	112	5,787	12,857	52,062	1,526	15,479	12,777
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	96	264	0	4	187	550	1,737	49	500	412
Number of Customers	7,000	981	2	128	73	8,183	216	35	22	20
Medium Pressure										
Average Year Throughput (MTh)	2,336,945	940,720	232	18,549	74,144	3,370,590	304,569	69,893	57,097	1,320
Cold Year Throughput (1-in-35) (MTh)	2,574,091	980,491	232	18,549	74,144	3,647,507	307,209	69,893	57,097	1,320
Cold Year Peak Month (December) (MTh)	391,330	111,469	15	809	6,105	509,728	27,338	5,989	4,876	112
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	24,072	5,457	0	26	197	29,752	996	197	157	4
Number of Customers	5,707,506	202,465	3	568	289	5,910,830	347	273	8	3
CUMULATIVE (Calc'd from DIRECT %s)										
Transmission										
Average Year Throughput (MTh)	234,635	99,271	42	2,230	17,877	354,055	154,581	9,761	248,016	20,894
Cold Year Throughput (1-in-35) (MTh)	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814	97,615	2,480,164	208,941
Cold Year Peak Month (December) (MTh)	392,906	117,629	26	973	14,720	526,253	140,247	7,806	209,111	17,746
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	24,168	5,759	1	31	475	30,434	4,738	255	8,111	572
Number of Customers	5,714,531	203,514	4	712	378	5,919,139	593	323	67	34
High Pressure										
Average Year Throughput (MTh)	2,346,235	986,218	416	21,115	144,427	3,498,412	919,735	88,449	242,993	151,758
Cold Year Throughput (1-in-35) (MTh)	2,584,324	1,027,913	416	21,115	144,427	3,778,195	923,717	88,449	242,993	151,758
Cold Year Peak Month (December) (MTh)	392,886	116,860	26	921	11,892	522,586	79,400	7,515	20,356	12,889
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	24,167	5,721	1	30	384	30,302	2,733	246	657	416
Number of Customers	5,714,506	203,446	4	696	361	5,919,013	563	308	30	23
Medium Pressure										
Average Year Throughput (MTh)	2,336,945	940,720	232	18,549	74,144	3,370,590	304,569	69,893	57,097	1,320
Cold Year Throughput (1-in-35) (MTh)	2,574,091	980,491	232	18,549	74,144	3,647,507	307,209	69,893	57,097	1,320
Cold Year Peak Month (December) (MTh)	391,330	111,469	15	809	6,105	509,728	27,338	5,989	4,876	112
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	24,072	5,457	0	26	197	29,752	996	197	157	4
Number of Customers	5,707,506	202,465	3	568	289	5,910,830	347	273	8	3
AYSales Mth/y										
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,552,890	\$311,454	\$41	\$9,212	\$22,242	\$1,895,838	\$73,273	\$10,751	\$46,474	\$7,768

SCG Allocation Factors
2020 TCAP Application

	Total Retail NonCore	Long Beach	SDG&E	South West Gas	Vernon	Total Whole sale	Mexicali	TBS	Total NonCore	Total System	Source
INPUT:											
<i>TCAP Period = 2017-2019</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)	2,929,599	79,646	1,118,614	66,431	96,890	1,361,582	116,299	0	4,407,480	4,449,614	2020 TCAP
Cold Year Throughput (1-in-35) (MTh)	2,929,700	86,356	1,157,571	71,786	101,919	1,417,632	116,299	0	4,463,632	4,506,051	2020 TCAP
Cold Year Peak Month (December) (MTh)	254,750	10,565	121,858	11,583	8,300	152,307	9,871	0	416,928	420,596	2020 TCAP
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	9,625	561	6,177	528	267	7,533	318	0	17,476	17,608	2020 TCAP
Number of Customers	91	1	1	1	1	4	1	0	96	223	2020 TCAP
High Pressure											
Average Year Throughput (MTh)	970,056	0	0	0	0	0	0	0	970,056	1,097,877	2020 TCAP
Cold Year Throughput (1-in-35) (MTh)	971,397	0	0	0	0	0	0	0	971,397	1,102,085	2020 TCAP
Cold Year Peak Month (December) (MTh)	81,845	0	0	0	0	0	0	0	81,845	94,702	2020 TCAP
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,698	0	0	0	0	0	0	0	2,698	3,249	2020 TCAP
Number of Customers	293	0	0	0	0	0	0	0	293	8,476	2020 TCAP
Medium Pressure											
Average Year Throughput (MTh)	432,879	0	0	0	0	0	0	0	432,879	3,803,469	2020 TCAP
Cold Year Throughput (1-in-35) (MTh)	435,520	0	0	0	0	0	0	0	435,520	4,083,027	2020 TCAP
Cold Year Peak Month (December) (MTh)	38,315	0	0	0	0	0	0	0	38,315	548,043	2020 TCAP
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1,353	0	0	0	0	0	0	0	1,353	31,105	2020 TCAP
Number of Customers	632	0	0	0	0	0	0	0	632	5,911,462	2020 TCAP
CUMULATIVE (Calc'd from DIRECT %s)											
Transmission											
Average Year Throughput (MTh)	433,253	7,965	111,861	6,643	9,689	136,158	11,630	0	581,041	935,096	
Average Year Throughput (MTh)	4,332,534	79,646	1,118,614	66,431	96,890	1,361,582	116,299		5,810,415	9,350,960	
Cold Year Throughput (1-in-35) (MTh)	4,336,617	86,356	1,157,571	71,786	101,919	1,417,632	116,299		5,870,548	9,691,163	
Cold Year Peak Month (December) (MTh)	374,910	10,565	121,858	11,583	8,300	152,307	9,871		537,087	1,063,341	
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	13,676	561	6,177	528	267	7,533	318		21,527	51,962	
Number of Customers	1,016	1	1	1	1	4	1		1,021	5,920,161	
High Pressure											
Average Year Throughput (MTh)	1,402,935	0	0	0	0	0	0		1,402,935	4,901,347	
Cold Year Throughput (1-in-35) (MTh)	1,406,917	0	0	0	0	0	0		1,406,917	5,185,112	
Cold Year Peak Month (December) (MTh)	120,160	0	0	0	0	0	0		120,160	642,745	
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	4,051	0	0	0	0	0	0		4,051	34,354	
Number of Customers	925	0	0	0	0	0	0		925	5,919,938	
Medium Pressure											
Average Year Throughput (MTh)	432,879	0	0	0	0	0	0		432,879	3,803,469	
Cold Year Throughput (1-in-35) (MTh)	435,520	0	0	0	0	0	0		435,520	4,083,027	
Cold Year Peak Month (December) (MTh)	38,315	0	0	0	0	0	0		38,315	548,043	
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1,353	0	0	0	0	0	0		1,353	31,105	
Number of Customers	632	0	0	0	0	0	0		632	5,911,462	
AYSales Mth/y											
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$138,266	\$1,807	\$20,844	\$1,716	\$1,587	\$25,955	\$1,661	\$0	\$165,882	\$2,061,720	Cost Alloc

**SCG Allocation Factors
2020 TCAP Application**

	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	5,714,531	203,514	4	712	378	5,919,139	593	323	67	34
Cumulative Transmission AYTP Mth/yr	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814	97,615	2,480,164	208,941
AYTP TP System	25.1%	10.6%	0.0%	0.2%	1.9%	37.9%	16.5%	1.0%	26.5%	2.2%
AYTP System Excl. EOR	25.7%	10.9%	0.0%	0.2%	2.0%	38.7%	16.9%	1.1%	27.1%	
AYTP System Excl. SDG&E+EOR	29.2%	12.4%	0.0%	0.3%	2.2%	44.1%	19.3%	1.2%	30.9%	
AYTP Core + Retail Noncore Only	29.8%	12.6%	0.0%	0.3%	2.3%	45.0%	19.6%	1.2%	31.5%	2.7%
AYTP Core Only	66.3%	28.0%	0.0%	0.6%	5.0%	100.0%				
AYTP Core NonNGV Only	69.8%	29.5%	0.0%	0.7%	0.0%	100.0%				
AYTP Core Only Excl. A/C + Gas Eng	66.7%	28.2%			5.1%	100.0%				
AYTP Core Only Excl. Residential		97.8%	0.0%	2.2%	17.6%	117.6%				
AYTP Noncore Only						-	26.6%	1.7%	42.7%	3.6%
AYTP Noncore Only Excl. EOR						-	27.6%	1.7%	44.3%	
AYTP Noncore Retail Excl. EOR+WS+Int'l						-	37.5%	2.4%	60.1%	
Cumulative Transmission CYTP Mth/yr	2,584,453	1,034,674	416	22,302	178,769	3,820,615	1,549,897	97,615	2,480,164	208,941
CYTP System	26.7%	10.7%	0.0%	0.2%	1.8%	39.4%	16.0%	1.0%	25.6%	2.2%
CYTP System Excl. EOR	27.3%	10.9%	0.0%	0.2%	1.9%	40.3%	16.3%	1.0%	26.2%	
CYTP System Excl. SDG&E	30.3%	12.1%	0.0%	0.3%	2.1%	44.8%	18.2%	1.1%	29.1%	2.4%
CYTP Excl. EOR & SDG&E	31.0%	12.4%	0.0%	0.3%	2.1%	45.9%	18.6%	1.2%	29.8%	
CYTP Core +Retail Noncore Only	31.7%	12.7%	0.0%	0.3%	2.2%	46.8%	19.0%	1.2%	30.4%	2.6%
CYTP Core Only	67.6%	27.1%	0.0%	0.6%	4.7%	100.0%				
CYTP Noncore Only						-	26.4%	1.7%	42.2%	3.6%
CYTP Noncore ExEOR						-	27.4%	1.7%	43.8%	
CYTP Noncore Retail Excl. WS+Int'l						-	35.7%	2.3%	57.2%	4.8%
Cumulative Transmission CYCPM Mth/mo	392,906	117,629	26	973	14,720	526,253	140,247	7,806	209,111	17,746
CYCPM System Total	37.0%	11.1%	0.0%	0.1%	1.4%	49.5%	13.2%	0.7%	19.7%	1.7%
CYCPM System Excl. EOR	37.6%	11.2%	0.0%	0.1%	1.4%	50.3%	13.4%	0.7%	20.0%	
CYCPM System Excl. Wholesale	41.7%	12.5%	0.0%	0.1%	1.6%	55.9%	14.9%	0.8%	22.2%	1.9%
CYCPM Core +Retail Noncore Only	43.6%	13.1%	0.0%	0.1%	1.6%	58.4%	15.6%	0.9%	23.2%	2.0%
CYCPM Core Only	74.7%	22.4%	0.0%	0.2%	2.8%	100.0%				
CYCPM Noncore Only						-	26.1%	1.5%	38.9%	3.3%
CYCPM Noncore Only Excl. SDG&E						-	33.8%	1.9%	50.4%	4.3%
CYCPM Noncore Retail Excl. WS+Int'l						-	37.4%	2.1%	55.8%	4.7%
Cumulative High Pressure Distribution CYCPM Mth/mo	392,886	116,860	26	921	11,892	522,586	79,400	7,515	20,356	12,889
HPD CYCPM System Total	61.1%	18.2%	0.0%	0.1%	1.9%	81.3%	12.4%	1.2%	3.2%	2.0%
HPD CYCPM System Excl. EOR	62.4%	18.6%	0.0%	0.1%	1.9%	83.0%	12.6%	1.2%	3.2%	

**SCG Allocation Factors
2020 TCAP Application**

	Total Retail NonCore	Long Beach	SDG&E	South West Gas	Vernon	Total Whole sale	Mexicali	TBS	Total NonCore	Total System	Source
Calculation of Allocation Factors:											
Cumulative Transmission # Customers	1,016	1	1	1	1	4	1	0	1,021	5,920,161	
Cumulative Transmission AYTP Mth/yr	4,332,534	79,646	1,118,614	66,431	96,890	1,361,582	116,299	0	5,810,415	9,350,960	
AYTP TP System	46.3%	0.9%	12.0%	0.7%	1.0%	14.6%	1.2%		62.1%	100.0%	
AYTP System Excl. EOR	45.1%	0.9%	12.2%	0.7%	1.1%	14.9%	1.3%		61.3%	100.0%	9,142,019
AYTP System Excl. SDG&E+EOR	51.4%	1.0%		0.8%	1.2%	3.0%	1.4%		55.9%	100.0%	8,023,405
AYTP Core + Retail Noncore Only	55.0%					0.0%			55.0%	100.0%	7,873,079
AYTP Core Only	-					-			0.0%	100.0%	3,540,545
AYTP Core NonNGV Only	-					-			0.0%	100.0%	3,361,776
AYTP Core Only Excl. A/C + Gas Eng	-					-			0.0%	100.0%	3,517,828
AYTP Core Only Excl. Residential	-					-			0.0%	117.6%	1,015,424
AYTP Noncore Only	74.6%	1.4%	19.3%	1.1%	1.7%	23.4%	2.0%		100.0%	100.0%	5,810,415
AYTP Noncore Only Excl. EOR	73.6%	1.4%	20.0%	1.2%	1.7%	24.3%	2.1%		100.0%	100.0%	5,601,473
AYTP Noncore Retail Excl. EOR+WS+Int'l	100.0%					0.0%			100.0%	100.0%	4,123,593
Cumulative Transmission CYTP Mth/yr	4,336,617	86,356	1,157,571	71,786	101,919	1,417,632	116,299	0	5,870,548	9,691,163	
CYTP System	44.7%	0.9%	11.9%	0.7%	1.1%	14.6%	1.2%		60.6%	100.0%	
CYTP System Excl. EOR	43.5%	0.9%	12.2%	0.8%	1.1%	15.0%	1.2%		59.7%	100.0%	9,482,222
CYTP System Excl. SDG&E	50.8%	1.0%	n/a	0.8%	1.2%	3.0%	1.4%		55.2%	100.0%	8,533,592
CYTP Excl. EOR & SDG&E	49.6%	1.0%		0.9%	1.2%	3.1%	1.4%		54.1%	100.0%	8,324,651
CYTP Core +Retail Noncore Only	53.2%					0.0%			53.2%	100.0%	8,157,231
CYTP Core Only	-					-			0.0%	100.0%	3,820,615
CYTP Noncore Only	73.9%	1.5%	19.7%	1.2%	1.7%	24.1%	2.0%		100.0%	100.0%	5,870,548
CYTP Noncore ExEOR	72.9%	1.5%	20.4%	1.3%	1.8%	25.0%	2.1%		100.0%	100.0%	5,661,607
CYTP Noncore Retail Excl. WS+Int'l	100.0%					0.0%			100.0%	100.0%	4,336,617
Cumulative Transmission CYCPM Mth/mo	374,910	10,565	121,858	11,583	8,300	152,307	9,871	0	537,087	1,063,341	
CYCPM System Total	35.3%	1.0%	11.5%	1.1%	0.8%	14.3%	0.9%		50.5%	100.0%	
CYCPM System Excl. EOR	34.2%	1.0%	11.7%	1.1%	0.8%	14.6%	0.9%		49.7%	100.0%	1,045,595
CYCPM System Excl. Wholesale	39.8%	1.1%	n/a	1.2%	0.9%	3.2%	1.0%		44.1%	100.0%	941,483
CYCPM Core +Retail Noncore Only	41.6%					0.0%			41.6%	100.0%	901,163
CYCPM Core Only	-					-			0.0%	100.0%	526,253
CYCPM Noncore Only	69.8%	2.0%	22.7%	2.2%	1.5%	28.4%	1.8%		100.0%	100.0%	537,087
CYPM Noncore Only Excl. SDG&E	90.3%	2.5%		2.8%	2.0%	7.3%	2.4%		100.0%	100.0%	415,229
CYCPM Noncore Retail Excl. WS+Int'l	100.0%					0.0%			100.0%	100.0%	374,910
Cumulative High Pressure Distribution CYPM Mth/mo	120,160	0	0	0	0	0	0	0	120,160	642,745	
HPD CYCPM System Total	18.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		18.7%	100.0%	
HPD CYCPM System Excl. EOR	17.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		17.0%	100.0%	629,856

SCG Allocation Factors
2020 TCAP Application

	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	24,168	5,759	1	31	475	30,434	4,738	255	8,111	572
PDD System Total	46.5%	11.1%	0.0%	0.1%	0.9%	58.6%	9.1%	0.5%	15.6%	1.1%
PDD System Excl. EOR	47.0%	11.2%	0.0%	0.1%	0.9%	59.2%	9.2%	0.5%	15.8%	
PDD System Excl. Wholesale	52.8%	12.6%	0.0%	0.1%	1.0%	66.5%	10.3%	0.6%	17.7%	1.3%
PDD Core +Retail Noncore Only	54.8%	13.1%	0.0%	0.1%	1.1%	69.0%	10.7%	0.6%	18.4%	1.3%
PDD Core Only	79.4%	18.9%	0.0%	0.1%	1.6%	100.0%				
PDD Noncore Only						-	22.0%	1.2%	37.7%	2.7%
PDD Noncore Retail Excl. WS+Int'l						-	34.6%	1.9%	59.3%	4.2%

Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,552,890	\$311,454	\$41	\$9,212	\$22,242	\$1,895,838	\$73,273	\$10,751	\$46,474	\$7,768
EPAM All	75.3%	15.1%	0.0%	0.4%	1.1%	92.0%	3.6%	0.5%	2.3%	0.4%
EPAM All Excl. Unbundled Storage	75.3%	15.1%	0.0%	0.4%	1.1%	92.0%	3.6%	0.5%	2.3%	0.4%
EPAM All Excl. Unbundled Storage + SDG&E	76.1%	15.3%	0.0%	0.5%	1.1%	92.9%	3.6%	0.5%	2.3%	0.4%
EPAM All Excl. Unbundled Storage + EOR	75.6%	15.2%	0.0%	0.4%	1.1%	92.3%	3.6%	0.5%	2.3%	
EPAM All Excl. Unbundled Storage + EOR + Gas Eng	75.9%	15.2%	0.0%	0.4%	1.1%	92.3%	3.6%	0.5%	2.3%	
Core EPAM Only	81.9%	16.4%	0.0%	0.5%	1.2%	100.0%	0.0%	0.0%	0.0%	0.0%
Core EPAM excl G-EN	82.3%	16.5%	0.0%	-100%	1.2%	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%	46.3%	6.8%	29.4%	

Calculation of LUAF Allocator:

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

Core ECPT	66.3%	28.0%	0.0%	0.6%	5.0%	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%	26.6%	1.7%	42.7%	3.6%
% 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	47.1%	19.9%	0.0%	0.4%	3.6%	71.1%	7.7%	0.5%	12.3%	1.0%

AYTP CAT Customers:

CAT Volumes Mth/yr	27,389	139,308	0	3,594	79,254	249,546				
System AYTP (includes NGV) Mth/yr	2,346,353	992,706	416	22,302	178,769	3,540,545				
CAT Volumes as % total, by class, in 2008 rates	1.2%	14.0%	0.0%	16.1%	44.3%	7.0%				
2013TCAP AYTP Mth/yr	2,346,353	992,706	416	22,302	178,769	3,540,545				
TCAP CAT Volumes Mth/yr	27,389	139,308	0	3,594	79,254	249,546	0	0	0	0
ECPT CAT	11.0%	55.8%	0.0%	1.4%	31.8%	100.0%	0.0%	0.0%	0.0%	0.0%
ECPT CAT (excluding NGV)	16.1%	81.8%	0.0%	2.1%	0.0%	100.0%				
	2,318,963	853,398	416	18,707	99,515	3,290,999				

SCG Allocation Factors
2020 TCAP Application

	Total Retail NonCore	Long Beach	SDG&E	South West Gas	Vernon	Total Whole sale	Mexicali	TBS	Total NonCore	Total System	Source
Cumulative Transmission Peak Day Mth/day	13,676	561	6,177	528	267	7,533	318	0	21,527	51,962	
PDD System Total	26.3%	1.1%	11.9%	1.0%	0.5%	14.5%	0.6%		41.4%	100.0%	
PDD System Excl. EOR	25.5%	1.1%	12.0%	1.0%	0.5%	14.7%	0.6%		40.8%	100.0%	51,389
PDD System Excl. Wholesale	29.9%	1.2%	n/a	1.2%	0.6%	3.0%	0.7%		33.5%	100.0%	45,784
PDD Core +Retail Noncore Only	31.0%					0.0%			31.0%	100.0%	44,110
PDD Core Only	-					-			0.0%	100.0%	30,434
PDD Noncore Only	63.5%	2.6%	28.7%	2.5%	1.2%	35.0%	1.5%		100.0%	100.0%	21,527
PDD Noncore Retail Excl. WS+Int'l	100.0%					0.0%			100.0%	100.0%	13,676

Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$138,266	\$1,807	\$20,844	\$1,716	\$1,587	\$25,955	\$1,661	\$0	\$165,882	\$2,061,720	
EPAM All	6.7%	0.1%	1.0%	0.1%	0.1%	1.3%	0.1%	0.0%	8.0%	100.0%	
EPAM All Excl. Unbundled Storage	6.7%	0.1%	1.0%	0.1%	0.1%	1.3%	0.1%		8.0%	100.0%	\$2,061,720
EPAM All Excl. Unbundled Storage + SDG&E	6.8%	0.1%	n/a	0.1%	0.1%	0.3%	0.1%		7.1%	100.0%	\$2,040,876
EPAM All Excl. Unbundled Storage + EOR	6.4%	0.1%	1.0%	0.1%	0.1%	1.3%	0.1%		7.7%	100.0%	\$2,053,952
EPAM All Excl. Unbundled Storage + EOR + Gas Eng	6.4%	0.1%	1.0%	0.1%	0.1%	1.3%	0.1%		7.7%	100.0%	\$2,044,740
Core EPAM Only	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	\$1,895,838
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%	\$1,886,627
Noncore EPAM, Excl. Unbundled Storage + EOR	82.5%	1.1%	13.2%	1.1%	1.0%	16.4%	1.1%		100.0%	100.0%	\$158,114

Calculation of LUAF Allocator:

Method - 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	74.6%	1.4%	19.3%	1.1%	1.7%	23.4%	2.0%	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%	TCAP D.16-1
% Noncore	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	28.9%	
% LUAF Allocation	21.5%	0.4%	5.6%	0.3%	0.5%	6.8%	0.6%	0.0%	28.9%	100.0%	

AYTP CAT Customers:

CAT Volumes Mth/yr	0					0			0	249,546	TCAP D.16-1
System AYTP (includes NGV) Mth/yr	0					0			0	3,540,545	TCAP D.16-1
CAT Volumes as % total, by class, in 2008 rates										7.0%	
2013TCAP AYTP Mth/yr	0					0			0	3,540,545	
TCAP CAT Volumes Mth/yr	0	0	0	0	0	0	0	0	0	249,546	
ECPT CAT	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
ECPT CAT (excluding NGV)											

SCG Allocation Factors
2020 TCAP Application

	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	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814	97,615	2,480,164	208,941
CARE Participants Mth/y	(596,781)	(3,521)	0	0	0	(600,302)	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	(208,941)
EG Exempt Mth/y	0	0	0	0	0	0	0	(97,615)	(2,480,164)	0
Constitutionally Exempt Mth/y	(3,905)	(11,000)	0	0	0	(14,904)	(7,302)	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	1,745,667	978,185	416	22,302	178,769	2,925,339	1,538,513	0	0	0
% ECPT excl CARE Participants & EOR	39.1%	21.9%	0.0%	0.5%	4.0%	65.5%	34.5%	0.0%	0.0%	0.0%
CSI Thermal Program memorandum Account (\$000)										
CSITMA Adder to Volumetric Rate										

EORA Allocation Factor:

94.2% Core EPAM & 5.79% NonCore EPAM excl EOR

Core EPAM Only	81.9%	16.4%	0.0%	0.5%	1.2%	100.0%	0.0%	0.0%	0.0%	0.0%
Core share	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%
	75.6%	15.2%	0.0%	0.4%	1.1%	92.3%	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%	46.3%	6.8%	29.4%	0.0%
NonCore share	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.5%	2.3%	0.0%
EORA Allocation Factor	75.6%	15.2%	0.0%	0.4%	1.1%	92.3%	3.6%	0.5%	2.3%	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	66.3%	28.0%	0.0%	0.6%	5.0%	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%
	46.4%	19.6%	0.0%	0.4%	3.5%	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%	27.6%	1.7%	44.3%	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%	8.3%	0.5%	13.3%	0.0%
MTTA Allocation Factor	46.4%	19.6%	0.0%	0.4%	3.5%	70.0%	8.3%	0.5%	13.3%	0.0%

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814	97,615	2,480,164	208,941
Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	0	0	(6,021)	(1,606,597)	(208,941)
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814	91,594	873,567	0
% ECPT AB32 Fee Non-Exempt	38.8%	16.4%	0.0%	0.4%	3.0%	58.5%	25.5%	1.5%	14.4%	0.0%

System Integration Allocator

Transmission CYPM Mth

SoCalGas (excl SDG&E)	941,483	88.6%
SDG&E	120,845	11.4%
Total	1,062,328	100.0%

SCG Allocation Factors
2020 TCAP Application

	Total Retail NonCore	Long Beach	SDG&E	South West Gas	Vernon	Total Whole sale	Mexicali	TBS	Total NonCore	Total System	Source
California Solar Initiative Thermal Memorandum Account (CSITMA):											
AYTP Mth/yr all customers Mth/y	4,332,534	79,646	1,118,614	66,431	96,890	1,361,582	116,299	0	5,810,415	9,350,960	
CARE Participants Mth/y	0	0	0	0	0	0	0	0	0	(600,302)	2015 PPS n
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0	
EOR Mth/y	(208,941)	0	0	0	0	0	0	0	(208,941)	(208,941)	
EG Exempt Mth/y	(2,577,778)	0	0	0	0	0	0	0	(2,577,778)	(2,577,778)	
Constitutionally Exempt Mth/y	(7,302)	0	0	0	0	0	0	0	(7,302)	(22,206)	2015 PPS n
Wholesale Exempt Mth/y	0	(79,646)	(1,118,614)	(66,431)	(96,890)	(1,361,582)	(116,299)	0	(1,477,881)	(1,477,881)	
AYTP Mth/yr excl CARE Participant & EOR Mth/y	1,538,513	0	0	0	0	0	0	0	1,538,513	4,463,852	
% ECPT excl CARE Participants & EOR	34.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	34.5%	100.0%	
CSI Thermal Program memorandum Account (\$000)										\$13,862	Cost Alloc
CSITMA Adder to Volumetric Rate										\$0.00311	

EORA Allocation Factor:

<i>94.2% Core EPAM & 5.79% NonCore EPAM excl EOR</i>											
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	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%	92.3%	TCAP D.16-10-0
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	92.3%	
Noncore EPAM, Excl. Unbundled Storage + EOR	82.5%	1.1%	13.2%	1.1%	1.0%	16.4%	1.1%	0.0%	100.0%	100.0%	
NonCore share	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	TCAP D.16-10-0
	6.4%	0.1%	1.0%	0.1%	0.1%	1.3%	0.1%	0.0%	7.7%	7.7%	
EORA Allocation Factor	6.4%	0.1%	1.0%	0.1%	0.1%	1.3%	0.1%	0.0%	7.7%	100.0%	

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

<i>70%Core/Allocate Core ECPT,30%NonCore/Allocate NonCore ECPT Ex EOR</i>											
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%	2008 SCG RI
	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	73.6%	1.4%	20.0%	1.2%	1.7%	24.3%	2.1%	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%	2008 SCG RI
	22.1%	0.4%	6.0%	0.4%	0.5%	7.3%	0.6%	0.0%	30.0%	30.0%	
MTTA Allocation Factor	22.1%	0.4%	6.0%	0.4%	0.5%	7.3%	0.6%	0.0%	30.0%	100.0%	

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y	4,332,534	79,646	1,118,614	66,431	96,890	1,361,582	116,299	0	5,810,415	9,350,960	
Less: AB32Fees Exempt Customers Mth/y	(1,821,559)	(79,646)	(1,118,614)	(66,431)	(96,890)	(1,361,582)	(116,299)	0	(3,299,440)	(3,299,440)	
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	2,510,975	0	0	0	0	0	0	0	2,510,975	6,051,520	
% ECPT AB32 Fee Non-Exempt	41.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	41.5%	100.0%	

System Integration Allocator

Transmission CYPM Mth
 SoCalGas (excl SDG&E)
 SDG&E
 Total

SCG Allocation Factors
2020 TCAP Application

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
Allocator for GHG charge:										
AYTP Mth/yr all customers Mth/y	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814	97,615	2,480,164	208,941
Less: GHG Charge Exempt Customers Mth/y	0	0	0	0	0	0	(1,096,102)	(16,227)	(2,427,176)	(208,941)
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	2,346,353	992,706	416	22,302	178,769	3,540,545	449,712	81,388	52,987	0
% ECPT GHG Fee Non-Exempt	56.9%	24.1%	0.0%	0.5%	4.3%	85.8%	10.9%	2.0%	1.3%	0.0%

Allocate EOR to zero

Allocator for SGPMA (TCAP Proposal):

3 Year Total Program Participation	\$38,448	\$356,733				\$395,181	ECPT	4%	96%	
%SGPMA	0.1%	1.3%	0%	0%	0%	1.4%	0%	\$1,061,182	\$26,962,235	98.6%
								\$1,061,182	\$26,962,235	0%
								3.7%	94.9%	0%

OLD 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

NEW DIRECT Demand Forecast

Transmission

Average Year Throughput (MTh)	117	6,487	0	1,186	34,342	42,134	626,080	9,166	2,237,170	57,184
Cold Year Throughput (1-in-35) (MTh)	129	6,762	0	1,186	34,342	42,420	626,181	9,166	2,237,170	57,184
Cold Year Peak Month (December) (MTh)	20	769	0	52	2,828	3,668	60,847	291	188,755	4,857
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	38	0	2	91	132	2,005	9	7,454	157
Number of Customers	25	69	0	16	17	127	30	14	36	11

High Pressure

Average Year Throughput (MTh)	9,291	45,498	184	2,566	70,282	127,822	615,166	18,556	185,896	150,438
Cold Year Throughput (1-in-35) (MTh)	10,233	47,421	184	2,566	70,282	130,688	616,507	18,556	185,896	150,438
Cold Year Peak Month (December) (MTh)	1,556	5,391	12	112	5,787	12,857	52,062	1,526	15,479	12,777
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	96	264	0	4	187	550	1,737	49	500	412

SCG Allocation Factors
2020 TCAP Application

	Total Retail NonCore	Long Beach	SDG&E	South West Gas	Vernon	Total Whole sale	Mexicali	TBS	Total NonCore	Total System	Source
Allocator for GHG charge:											
AYTP Mth/yr all customers Mth/y	4,332,534	79,646	1,118,614	66,431	96,890	1,361,582	116,299	0	5,810,415	9,350,960	
Less: GHG Charge Exempt Customers Mth/y	(3,748,447)	(79,646)	(1,118,614)	(66,431)	(96,890)	(1,361,582)	(116,299)	0	(5,226,328)	(5,226,328)	AL 5202, Oct
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	584,087	0	0	0	0	0	0	0	584,087	4,124,632	
% ECPT GHG Fee Non-Exempt	14.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.2%	100.0%	

Allocate EOR to zero

\$28,023,417

Allocator for SGPMA (TCAP Proposal):

3 Year Total Program Participation	\$28,023,417								\$28,023,417	\$28,418,598	
%SGPMA	98.6%	0%	0%	0%	0%	0%	0%	0%	98.6%	100.0%	

OLD 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

NEW DIRECT Demand Forecast

Transmission

Average Year Throughput (MTh)	2,929,599	79,646	1,118,614	66,431	96,890	1,361,582	116,299		4,407,480	4,449,614	Demand FC
Cold Year Throughput (1-in-35) (MTh)	2,929,700	86,356	1,157,571	71,786	101,919	1,417,632	116,299		4,463,632	4,506,051	Demand FC
Cold Year Peak Month (December) (MTh)	254,750	10,565	121,858	11,583	8,300	152,307	9,871		416,928	420,596	Demand FC
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	9,625	561	6,177	528	267	7,533	318		17,476	17,608	Demand FC
Number of Customers	91	1	1	1	1	4	1		96	223	Demand FC

High Pressure

Average Year Throughput (MTh)	970,056	0	0	0	0	0	0		970,056	1,097,877	Demand FC
Cold Year Throughput (1-in-35) (MTh)	971,397	0	0	0	0	0	0		971,397	1,102,085	Demand FC
Cold Year Peak Month (December) (MTh)	81,845	0	0	0	0	0	0		81,845	94,702	Demand FC
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,698	0	0	0	0	0	0		2,698	3,249	Demand FC

**SCG Allocation Factors
2020 TCAP Application**

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOR
Number of Customers	7,000	981	2	128	73	8,183	216	35	22	20
Medium Pressure										
Average Year Throughput (MTh)	2,336,945	940,720	232	18,549	74,144	3,370,590	304,569	69,893	57,097	1,320
Cold Year Throughput (1-in-35) (MTh)	2,574,091	980,491	232	18,549	74,144	3,647,507	307,209	69,893	57,097	1,320
Cold Year Peak Month (December) (MTh)	391,330	111,469	15	809	6,105	509,728	27,338	5,989	4,876	112
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	24,072	5,457	0	26	197	29,752	996	197	157	4
Number of Customers	5,707,506	202,465	3	568	289	5,910,830	347	273	8	3
Old Demand Forecast										
AYTP CAT Customers:	49,671									
CAT Volumes for 2017 TCAP Mth/yr		137,753	0	1,793	32,903	172,449				
New Demand Forecast										
AYTP CAT Customers:										
CAT Volumes for 2020 TCAP Mth/yr	27,389	139,308	0	3,594	79,254	249,546				

Calculation of LUAF Allocator:

% Core										
Old TCAP	71.1%									
% Core										
New TCAP	71.1%									
% Core										
GHG Allocator										
Current										
Less: GHG Charge Exempt Customers Mth/y	0	0	0	0	0	0	(1,093,360)	(16,642)	(2,530,521)	(208,941)
Proposed										
Less: GHG Charge Exempt Customers Mth/y	0	0	0	0	0	0	(1,096,102)	(16,227)	(2,427,176)	(208,941)

California Solar Initiative Thermal Memorandum Account (CSITMA):

Current:										
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	0
EG Exempt Mth/y	0	0	0	0	0	0	0	0	0	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
Update										
CARE Participants Mth/y	(596,781)	(3,521)	0	0	0	(600,302)	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0

**SCG Allocation Factors
2020 TCAP Application**

	Total Retail NonCore	Long Beach	SDG&E	South West Gas	Vernon	Total Whole sale	Mexicali	TBS	Total NonCore	Total System	Source
Number of Customers	293	0	0	0	0	0	0		293	8,476	Demand FC
Medium Pressure											
Average Year Throughput (MTh)	432,879	0	0	0	0	0	0		432,879	3,803,469	Demand FC
Cold Year Throughput (1-in-35) (MTh)	435,520	0	0	0	0	0	0		435,520	4,083,027	Demand FC
Cold Year Peak Month (December) (MTh)	38,315	0	0	0	0	0	0		38,315	548,043	Demand FC
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1,353	0	0	0	0	0	0		1,353	31,105	Demand FC
Number of Customers	632	0	0	0	0	0	0		632	5,911,462	Demand FC

Old Demand Forecast

AYTP CAT Customers:

CAT Volumes for 2017 TCAP Mth/yr	0					0			0	172,449	2008 SCG RI
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New Demand Forecast

AYTP CAT Customers:

CAT Volumes for 2020 TCAP Mth/yr											Demand FC
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Calculation of LUAF Allocator:

% Core

Old TCAP

% Core

New TCAP

% Core

GHG Allocator

Current

Less: GHG Charge Exempt Customers Mth/y	(3,849,464)	(79,646)	(1,118,614)	(66,431)	(96,890)	(1,361,582)	(116,299)	0	(5,327,345)	(5,327,345)	AL 5202, Oct
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Proposed

Less: GHG Charge Exempt Customers Mth/y	(3,748,447)	(79,646)	(1,118,614)	(66,431)	(96,890)	(1,361,582)	(116,299)	0	(5,226,328)	(5,226,328)	(5,017,387)
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California Solar Initiative Thermal Memorandum Account (CSITMA):

Current:

CARE Participants Mth/y	0	0	0	0	0	0	0	0	0	(634,786)	2015 PPS n
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	0	
EG Exempt Mth/y	0	0	0	0	0	0	0	0	0	0	
Constitutionally Exempt Mth/y	(14,874)	0	0	0	0	0	0	0	(14,874)	(29,479)	2015 PPS n
Wholesale Exempt Mth/y	0	0	0	0	0	0	0	0	0	0	

Update

CARE Participants Mth/y	0	0	0	0	0	0	0	0	0	(600,302)	2018 PPS n
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0	

SCG Allocation Factors
2020 TCAP Application

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	NonCore C&I	EG Tier 1	EG Tier 2	EOB
EOB Mth/y	0	0	0	0	0	0	0	0	0	0
EG Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
Constitutionally Exempt Mth/y	(3,905)	(11,000)	0	0	0	(14,904)	(7,302)	0	0	0
Wholesale Exempt Mth/y	0	0	0	0	0	0	0	0	0	0

Allocator for California Air Resources Board AB 32 Admin Fee:

Old

Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	0	0	(14,308)	(1,702,296)	
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New

Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	0	0	(6,021)	(1,606,597)	
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SCG Allocation Factors
2020 TCAP Application

	Total Retail NonCore	Long Beach	SDG&E	South West Gas	Vernon	Total Whole sale	Mexicali	TBS	Total NonCore	Total System	Source
EOR Mth/y	0	0	0	0	0	0	0	0	0	0	
EG Exempt Mth/y	0	0	0	0	0	0	0	0	0	0	
Constitutionally Exempt Mth/y	(7,302)	0	0	0	0	0	0	0	(7,302)	(22,206)	2018 PPS m
Wholesale Exempt Mth/y	0	0	0	0	0	0	0	0	0	0	

Allocator for California Air Resources Board AB 32 Admin Fee:

Old

Less: AB32Fees Exempt Customers Mth/y

New

Less: AB32Fees Exempt Customers Mth/y

SoCalGas Cost Allocation Model Results \$millions
2020 TCAP Application

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	\$1,051,452	\$187,700	\$17	\$8,012	\$10,784	\$1,257,964	\$20,463	\$5,255	\$6,441	\$1,797
Medium Pressure Distribution Costs	\$288,483	\$65,399	\$6	\$313	\$2,360	\$356,561	\$11,931	\$2,356	\$1,885	\$43
High Pressure Distribution Costs	\$95,956	\$28,541	\$6	\$225	\$2,904	\$127,633	\$19,392	\$1,835	\$4,972	\$3,148
Backbone Transmission Costs	\$47,092	\$18,853	\$8	\$406	\$3,257	\$69,617	\$28,241	\$1,779	\$45,192	\$3,807
Local Transmission Costs	\$26,588	\$7,960	\$2	\$66	\$996	\$35,611	\$9,491	\$528	\$14,150	\$1,201
Storage - Seasonal	\$67,728	\$13,330	\$7	\$398	\$813	\$82,275	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$17,719	\$7,496	\$3	\$168	\$1,350	\$26,737	\$11,673	\$737	\$18,729	\$1,578
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$4,940	\$1,020	\$0	\$30	\$70	\$6,059	\$313	\$39	\$283	\$0
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$2,964	\$2,964	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$1,599,957	\$330,299	\$49	\$9,618	\$25,499	\$1,965,422	\$101,505	\$12,530	\$91,652	\$11,574
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	71.2%	14.7%	0.0%	0.4%	1.1%	87.5%	4.5%	0.6%	4.1%	0.5%

#2) Transition Adjustments by Year

Amount of Adjustment to 2020 -2022	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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#3) Transition Adjustments Added to Customer Cost - output to Cost Alloc tab

Customer Cost w/o SA \$000	\$1,051,452	\$187,700	\$17	\$8,012	\$10,784	\$1,257,964	\$20,463	\$5,255	\$6,441	\$1,797
Medium Pressure Distribution Costs	\$288,483	\$65,399	\$6	\$313	\$2,360	\$356,561	\$11,931	\$2,356	\$1,885	\$43
High Pressure Distribution Costs	\$95,956	\$28,541	\$6	\$225	\$2,904	\$127,633	\$19,392	\$1,835	\$4,972	\$3,148
Backbone Transmission Costs	\$47,092	\$18,853	\$8	\$406	\$3,257	\$69,617	\$28,241	\$1,779	\$45,192	\$3,807
Local Transmission Costs	\$26,588	\$7,960	\$2	\$66	\$996	\$35,611	\$9,491	\$528	\$14,150	\$1,201
Storage - Seasonal	\$67,728	\$13,330	\$7	\$398	\$813	\$82,275	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$17,719	\$7,496	\$3	\$168	\$1,350	\$26,737	\$11,673	\$737	\$18,729	\$1,578
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$4,940	\$1,020	\$0	\$30	\$70	\$6,059	\$313	\$39	\$283	\$0
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$2,964	\$2,964	\$0	\$0	\$0	\$0
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$1,599,957	\$330,299	\$49	\$9,618	\$25,499	\$1,965,422	\$101,505	\$12,530	\$91,652	\$11,574
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	71.2%	14.7%	0.0%	0.4%	1.1%	87.5%	4.5%	0.6%	4.1%	0.5%

SoCalGas Cost Allocation Model Results \$millions
2020 TCAP Application

Procedure:

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

	Total Retail NonCore	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	Ecogas	UBS	Total NonCore	Total System
#1) Input from Cost Allocation Tab										
Customer Cost w/o SA \$000	\$33,956	\$490	\$875	\$430	\$294	\$2,088	\$114	\$0	\$36,159	\$1,294,123
Medium Pressure Distribution Costs	\$16,216	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,216	\$372,777
High Pressure Distribution Costs	\$29,347	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,347	\$156,980
Backbone Transmission Costs	\$79,019	\$1,574	\$21,093	\$1,308	\$1,857	\$25,831	\$2,119	\$0	\$106,970	\$176,587
Local Transmission Costs	\$25,370	\$715	\$8,246	\$784	\$562	\$10,307	\$668	\$0	\$36,345	\$71,956
Storage - Seasonal	\$0	\$0	\$11,522	\$0	\$0	\$11,522	\$0	\$0	\$11,522	\$93,797
Storage - Load Balancing	\$32,717	\$601	\$8,447	\$502	\$732	\$10,282	\$878	\$0	\$43,878	\$70,614
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$635	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$635	\$6,695
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,964
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$217,261	\$3,380	\$50,183	\$3,024	\$3,444	\$60,030	\$3,780	\$0	\$281,071	\$2,246,492.33
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	9.7%	0.2%	2.2%	0.1%	0.2%	2.7%	0.2%	0.0%	12.5%	100.0%

#2) Transition Adjustments by Year

Amount of Adjustment to 2020 -2022	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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#3) Transition Adjustments Added to Customer Cost - output tr

Customer Cost w/o SA \$000	\$33,956	\$490	\$875	\$430	\$294	\$2,088	\$114	\$0	\$36,159	\$1,294,123
Medium Pressure Distribution Costs	\$16,216	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,216	\$372,777
High Pressure Distribution Costs	\$29,347	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,347	\$156,980
Backbone Transmission Costs	\$79,019	\$1,574	\$21,093	\$1,308	\$1,857	\$25,831	\$2,119	\$0	\$106,970	\$176,587
Local Transmission Costs	\$25,370	\$715	\$8,246	\$784	\$562	\$10,307	\$668	\$0	\$36,345	\$71,956
Storage - Seasonal	\$0	\$0	\$11,522	\$0	\$0	\$11,522	\$0	\$0	\$11,522	\$93,797
Storage - Load Balancing	\$32,717	\$601	\$8,447	\$502	\$732	\$10,282	\$878	\$0	\$43,878	\$70,614
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$635	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$635	\$6,695
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,964
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$217,261	\$3,380	\$50,183	\$3,024	\$3,444	\$60,030	\$3,780	\$0	\$281,071	\$2,246,492
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	9.7%	0.2%	2.2%	0.1%	0.2%	2.7%	0.2%	0.0%	12.5%	100.0%

SoCalGas Cost Allocation Model Results \$millions
2020 TCAP Application

Procedure:

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

	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	\$20,463	\$19,442	\$1,021	\$1,797	\$1,216	\$581	\$11,696	\$5,255	\$5,024	\$231	\$6,441
Medium Pressure Distribution Costs	\$11,931	\$11,931	\$0	\$43	\$43	\$0	\$4,241	\$2,356	\$2,356	\$0	\$1,885
High Pressure Distribution Costs	\$19,392	\$19,392	\$0	\$3,148	\$3,148	\$0	\$6,807	\$1,835	\$1,835	\$0	\$4,972
Backbone Transmission Costs	\$28,241	\$16,831	\$11,410	\$3,807	\$2,765	\$1,042	\$46,971	\$1,779	\$1,612	\$167	\$45,192
Local Transmission Costs	\$9,491	\$5,373	\$4,118	\$1,201	\$872	\$329	\$14,679	\$528	\$509	\$20	\$14,150
Storage - Seasonal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$11,673	\$6,945	\$4,728	\$1,578	\$1,146	\$432	\$19,466	\$737	\$668	\$69	\$18,729
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$313	\$248	\$66	\$0	\$0	\$0	\$322	\$39	\$37	\$2	\$283
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	\$101,505	\$80,163	\$21,342	\$11,574	\$9,190	\$2,384	\$104,182	\$12,530	\$12,041	\$489	\$91,652
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	4.5%	3.6%	1.0%	0.5%	0.4%	0.1%	4.6%	0.6%	0.5%	0.0%	4.1%
#2) Transition Adjustments by Year											
Amount of Adjustment to 2020 -2022	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
#3) Transition Adjustments Added to Customer Cost - output to tr											
Customer Cost w/o SA \$000	\$20,463	\$19,442	\$1,021	\$1,797	\$1,216	\$581	\$11,696	\$5,255	\$5,024	\$231	\$6,441
Medium Pressure Distribution Costs	\$11,931	\$11,931	\$0	\$43	\$43	\$0	\$4,241	\$2,356	\$2,356	\$0	\$1,885
High Pressure Distribution Costs	\$19,392	\$19,392	\$0	\$3,148	\$3,148	\$0	\$6,807	\$1,835	\$1,835	\$0	\$4,972
Backbone Transmission Costs	\$28,241	\$16,831	\$11,410	\$3,807	\$2,765	\$1,042	\$46,971	\$1,779	\$1,612	\$167	\$45,192
Local Transmission Costs	\$9,491	\$5,373	\$4,118	\$1,201	\$872	\$329	\$14,679	\$528	\$509	\$20	\$14,150
Storage - Seasonal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$11,673	\$6,945	\$4,728	\$1,578	\$1,146	\$432	\$19,466	\$737	\$668	\$69	\$18,729
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$313	\$248	\$66	\$0	\$0	\$0	\$322	\$39	\$37	\$2	\$283
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	\$101,505	\$80,163	\$21,342	\$11,574	\$9,190	\$2,384	\$104,182	\$12,530	\$12,041	\$489	\$91,652
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	4.5%	3.6%	1.0%	0.5%	0.4%	0.1%	4.6%	0.6%	0.5%	0.0%	4.1%

SoCalGas Cost Allocation Model Results \$millions
2020 TCAP Application

Procedure:

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

	EG Tier 2 Dist	EG Tier 2 Trans	Total EG	SOURCE
#1) Input from Cost Allocation Tab				
Customer Cost w/o SA \$000	\$2,913	\$3,528	\$11,696	Cost Allocation Tab
Medium Pressure Distribution Costs	\$1,885	\$0	\$4,241	Cost Allocation Tab
High Pressure Distribution Costs	\$4,972	\$0	\$6,807	Cost Allocation Tab
Backbone Transmission Costs	\$4,428	\$40,764	\$46,971	Cost Allocation Tab
Local Transmission Costs	\$1,377	\$12,773	\$14,679	Cost Allocation Tab
Storage - Seasonal	\$0	\$0	\$0	Cost Allocation Tab
Storage - Load Balancing	\$1,835	\$16,894	\$19,466	Cost Allocation Tab
Storage - TBS	\$0	\$0	\$0	Cost Allocation Tab
Uncollectibles	\$54	\$229	\$322	Cost Allocation Tab
NGV Compression Costs:	\$0	\$0	\$0	Cost Allocation Tab
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$17,463	\$74,189	\$104,182	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	0.8%	3.3%	4.6%	

	NCCI-D	NCCI-T	EG-T Tier 1	EG-T Tier 2	LB	SW	Vernon	Ecogas	Total
#2) Transition Adjustments by Year									
AYTP Mth	919,735	626,080	9,166	2,237,170	79,646	66,431	96,890	116,299	4,151,417
% AYTP	22%	15%	0%	54%	2%	2%	2%	3%	100%
% AYTP excl NCCI-D		19%	0%	69%	2%	2%	3%	4%	100%
Move half of NCCI	11%	17%	0%	62%	2%	2%	3%	3%	100%

Amount of Adjustment to 2020 -2022 \$0 \$0 \$0

	EG Tier 2 Dist	EG Tier 2 Trans	Total EG
#3) Transition Adjustments Added to Customer Cost - output to tr			
Customer Cost w/o SA \$000	\$2,913	\$3,528	\$11,696
Medium Pressure Distribution Costs	\$1,885	\$0	\$4,241
High Pressure Distribution Costs	\$4,972	\$0	\$6,807
Backbone Transmission Costs	\$4,428	\$40,764	\$46,971
Local Transmission Costs	\$1,377	\$12,773	\$14,679
Storage - Seasonal	\$0	\$0	\$0
Storage - Load Balancing	\$1,835	\$16,894	\$19,466
Storage - TBS	\$0	\$0	\$0
Uncollectibles	\$54	\$229	\$322
NGV Compression Costs:	\$0	\$0	\$0
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U	\$17,463	\$74,189	\$104,182
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	0.8%	3.3%	4.6%

SoCalGas Cost Allocation Model Results \$millions
2020 TCAP Application

Procedure:

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

#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
- 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

3,231,682

Amount of Adjustment to 2020 -2022

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

- 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
- 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

SoCalGas - EOR Credit Calculation
2020 TCAP Application

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core
EOB Revenue & Costs to be used:											
EPAM All Excl. Unbundled Storage + EOR	75.6%	15.2%	0.0%	0.4%	1.1%	92.3%	3.6%	0.5%	2.3%	0.0%	6.4%
EOB Revenue allocated to Other Classes \$000	(\$14,964)	(\$11,314)	(\$2,269)	(\$67)	(\$162)	(\$13,812)	(\$534)	(\$78)	(\$339)		(\$951)
EOB Costs allocated to Other Classes \$000	\$9,448	\$7,143	\$1,433	\$42	\$102	\$8,721	\$337	\$49	\$214	(\$9,448)	(\$8,848)

Calculation of EOR Revenue:	EOB \$000	Source
EOB Revenue:		
EOB-D Revenue		
Customer Charge \$/mo	\$500.00	
# EOB-D Customers	23	Alloc Factors
EOB-D Customer Charge Revenue \$000	\$138	
EOB-D Rate (i.e. average EG-D rate) \$/th	\$0.08792	EG-D Rates / RUN (this is done to avoid circ ref)
EOB-D Vols mth/yr	151,758	Alloc Factors
	\$13,342	
Less EOB-D Customer Charge Revenue \$000	\$138	
EOB-D Volumetric Revenue \$000	\$13,204	
EOB-D Volumetric Rate \$/th	\$0.08701	
Total EOB-D Revenue \$000	\$13,342	
EOB-T Revenue (based on TLS rate)	\$1,622	Trans Rate/RUN (this is done to avoid circ ref)
Total EOB Revenue \$000	\$14,964	

Calculation of Shareholder's Portion of EOB Revenue:		
EOB Revenue \$000	\$14,964	
less EOB's allocated CoUse Transmission \$000	\$0	Cost Alloc
less EOB's allocated CoUse Other \$000	(\$22)	Cost Alloc
less EOB's allocated CoUse Storage Load Balancing \$000	(\$22)	Cost Alloc
less EOB's allocated UAF \$000	(\$252)	Cost Alloc
	\$14,668	
Shareholder's %	0%	
Shareholder's Portion of EOB Revenue \$000	\$0	

Calculation of Ratepayer's portion of EOB Revenue:		
EOB Revenue \$000	\$14,964	
less Shareholder's Portion of EOB Revenue \$000	\$0	
EOB revenue Allocated to Other Classes \$000	\$14,964	
less EOB Costs Allocated to Other Classes \$000	\$9,448	Cost Alloc
Net Ratepayer's share of EOB Revenue (i.e. EOB Credit) \$000	\$5,516	

**SoCalGas - EOR Credit Calculation
2020 TCAP Application**

	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%	1.0%	0.1%	0.1%	1.3%	0.1%	0.0%	7.7%	100.0%	Alloc Factors
EOB Revenue allocated to Other Classes \$000	(\$13)	(\$152)	(\$13)	(\$12)	(\$189)	(\$12)	\$0	(\$1,152)	(\$14,964)	
EOB Costs allocated to Other Classes \$000	\$8	\$96	\$8	\$7	\$119	\$8	\$0	(\$8,721)	\$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)

2020 TCAP Application
 MISCELLANEOUS INPUTS

#1 Applicable Franchise Fee & Uncollectible Factors	Source	
Uncollectible Rate:		
System Avg Uncollectible rate	0.29800%	2016 GRC
Uncollectible Rate for non-exempt customers:		
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$1,923,739	2016 GRC
Wholesale Margin Allocation pre-SI	(\$42,187)	2016 GRC
DGN Margin Allocation pre-SI	(\$1,239)	2016 GRC
	<u>\$1,880,313</u>	
Uncollectible rate adjustment used	<u>98.058%</u>	
Uncollectible Rate for non-exempt customers	0.30390%	
Franchise Fee Rate:		
Franchise Rate	1.41360%	2016 GRC
FF&U rates with Gross-up:		
Wholesale Franchise Factor	101.4339%	
Retail Franchise Fee & Uncollectible Factor FFU	101.7370%	
System Franchise Fee & Uncollectible Factor FFU	101.7431%	

Example FFU Calculation:	W/S	System	Non W/S
Gross Revenue Billed	\$100.000	\$100.000	\$100.000
Uncollectible	0.29800%		\$0.294
Uncollectible non-exempt	0.30390%	\$0.300	
Franchise Rate	1.4136%	\$1.414	\$1.414
Net Revenue	\$98.586	\$98.287	\$98.293
if I want this net revenue	\$98.586	\$98.287	\$98.293
Net to Gross = Gross Revenue/Net revenue =	101.4339%	101.7431%	101.7370%
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 =	98.5864%	98.2868%	98.2926%
then I will get this net revenue	\$98.586	\$98.287	\$98.293
If I bill this amount	\$100.00	\$100.00	\$100.00
1-(Net Revenue/Gross Revenue) =	1.4136%	1.7132%	1.7074%
then I will get this net revenue	\$98.586	\$98.287	\$98.293

#2 Sempra Utilities Retail CORE Commodity SoCal Citygate for Purchases

Gas Cost \$/dth \$2.77 2020 TCAP

#3 BTU Factor

1.0343 **Mbtu/cf** Demand FC
 1,034 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	\$0.00207	TCAP
SCG Mth/yr	3,290,999	TCAP
SDGE Mth/yr	473,212	TCAP
Core AYTP Mth/yr	<u>3,764,211</u>	
Core Broker Fee \$000	\$7,792	
Brokerage Fee	<u>1,017</u>	
Core Broker Fee w/FFU \$000	<u><u>\$7,927</u></u>	
	\$0.00211	

#5 Calculation of UnAccounted For Gas:

UAF Volumes Mth/yr	87,664	TCAP
System AYTP Mth/yr	9,350,960	
% UAF (as % of end use)	<u>0.937%</u>	
SoCal Citygate \$/dth	<u>\$2.77</u>	
UAF \$/yr	<u><u>\$24,272</u></u>	

#6 Company Use Gas: Storage Load Balancing

Mth/yr	3,534	workpaper from Capacity Products
SoCal Citygate \$/dth	<u>\$2.77</u>	
Company Use Gas: Storage Load Balancing	<u><u>\$979</u></u>	

#7 Co Use-Other:

	<u>Mth/y</u>	<u>SOURCE</u>
Forecast annual avg (Mth)	3,584	Demand FC
Citygate \$/th	<u>\$0.27687</u>	
Co Use Other \$000	<u>\$992</u>	

#8 Well Incident & Surface Leaks (WISL)

	<u>MMBTU</u>	<u>Mth/y</u>	<u>SOURCE</u>
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
2015	6,667	67	Gas Acquisition Dept
2016	6,269	63	Gas Acquisition Dept
2017	5,571	56	Gas Acquisition Dept
average	62,079	452	
Citygate \$/th		<u>\$0.27687</u>	
WISL \$000		<u>\$125</u>	

#9 Integrated ITBA Regulatory Account:

Calculation of ITBA Allocator:

	<u>CYTP Mth/yr</u>	<u>ITBA Allocator</u>	<u>Source</u>
SDGE	1,147,948	12.1%	SDGE RD Model
SCG	9,691,163		Alloc Factors
Less EOR	(208,941)		Alloc Factors
Less SDGE	<u>(1,157,571)</u>		Alloc Factors
	8,324,651	87.9%	
Total SEU	<u>9,472,599</u>	100.0%	

#10 SCG - Gas price for Gas Procurement for LUAF (\$/mmbtu)**SoCalGas Citygate Price \$/th**

SoCal Border price	\$0.24430	TCAP - forecast
Brokerage Fee	<u>\$0.00207</u>	
Subtotal	<u>\$0.24637</u>	
FFU	<u>101.7370%</u>	
Subtotal with FFU	<u>\$0.25065</u>	
Backbone Transmission Service \$/th/day	<u>\$0.02624</u>	TCAP - forecast
SCG Citygate procurement price (\$/th)	<u><u>\$0.27690</u></u>	

#11 SCG - Gas price for Residential Bill (\$/mmbtu)

SoCalGas Core Procurement Price \$/th

SoCal Border price	\$0.24430
Brokerage Fee	\$0.00207
Subtotal	<u>\$0.24637</u>
FFU	101.7370%
Subtotal with FFU	\$0.25065
Backbone Transmission Service \$/th/day	\$0.026245
SCG Gas Procurement (\$/th)	<u><u>\$0.27690</u></u>

#12 SCG - Low Carbon Fuel Standard (LCFS) Credit - AL 4779 & AL 2370-G

	<u>SoCalGas</u>	<u>SDG&E</u>	<u>Sempra-Wide</u>	<u>Source</u>
Public Access Compression Volumes (Mth/yr)	2,833	628	3,461	D.14-06-007
Net revenues of LCFS credits (\$000)	\$0	\$0		
FF&U	101.7370%	102.2946%		
Subtotal with FFU	\$0	\$0	\$0	
LCFS Rate Credit (th)	<u><u>\$0.00000</u></u>	<u><u>\$0.00000</u></u>	<u><u>\$0.00000</u></u>	

#13 AB32 Admin Fees
2020 TCAP Application

Summary of Rate Adder Components

	System Total (\$000)	Rate Adder Contribution	Relative Contribution
AB32 Fees (subtracted from base margin and allocated here)	\$4,615	\$0.00076	75%
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0.00000	0%
Environmental Fee Memorandum Account EFMA	\$0	\$0.00000	0%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$1,519	\$0.00025	25%
Total	\$6,134		100%
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	6,051,520		
Rate Adder \$/th	\$0.00101	\$0.00101	

AB 32 Admin Fee Components from Cost Alloc

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2
AB32 Fees (subtracted from base margin and allocated here)	\$1,789	\$757	\$0	\$17	\$136	\$2,700	\$1,179	\$70	\$666
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$589	\$249	\$0	\$6	\$45	\$889	\$388	\$23	\$219
Total	\$2,378	\$1,006	\$0	\$23	\$181	\$3,589	\$1,567	\$93	\$885
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	2,346,353	992,706	416	22,302	178,769	3,540,545	1,545,814	91,594	873,567
Rate Adder	\$0.00101	\$0.00101	\$0.00101	\$0.00101	\$0.00101	\$0.00101	\$0.00101	\$0.00101	\$0.00101

AB 32 Admin Fee Components from NCCI Detail Alloc

	NCCI-D	NCCI-T	Total Allocated to NCCI	Source
AB32 Fees (subtracted from base margin and allocated here)	\$701	\$477	\$1,179	Cost Alloc
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	Cost Alloc
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	Cost Alloc
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$231	\$157	\$388	Cost Alloc
Total	\$932	\$635	\$1,567	
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	919,735	626,080	1,545,814	Cost Alloc
Rate Adder	\$0.00101	\$0.00101	\$0.00101	

AB 32 Admin Fee Components from EG Detail Alloc

	EG-D-T1	EG-D-T2	EG-T	Total EG	Source
AB32 Fees (subtracted from base margin and allocated here)	\$67	\$185	\$484	\$736	Cost Alloc
GRCMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	Cost Alloc
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	\$0	Cost Alloc
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$22	\$61	\$159	\$242	Cost Alloc
Total	\$89	\$246	\$643	\$978	
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	88,040	242,836	634,285	965,161	Cost Alloc
Rate Adder	\$0.00101	\$0.00101	\$0.00101	\$0.00101	

GHG Fees
2020 TCAP Application

Summary of Rate Adder Components

	System Total (\$000)	Rate Adder Contribution
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0.000000
Total	\$0	
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	4,124,632	
Rate Adder \$/th	\$0.00000	\$0.00000

GHG Fee Components from Cost Alloc

	Res	Core C&I	NR A/C	Gas Eng	NGV	Total Core	Non Core C&I	EG Tier 1	EG Tier 2
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	2,346,353	992,706	416	22,302	178,769	3,540,545	449,712	81,388	52,987
Rate Adder \$/th	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000

GHG Fee Components from NCCI Detail Alloc

	NCCI-D	NCCI-T	Total Allocated to NCCI	Source
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	NCCI Detail Alloc
Total	\$0	\$0	\$0	
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	370,905	78,807	449,712	NCCI Detail Alloc
Rate Adder	\$0.00000	\$0.00000	\$0.00000	

GHG Fee Components from EG Detail Alloc

	EG-D-T1	EG-D-T2	EG-T	Total EG	Source
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	EG Detail Alloc
Total	\$0	\$0	\$0	\$0	
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	74,114	29,918	30,343	134,375	EG Detail Alloc
Rate Adder	\$0.00000	\$0.00000	\$0.00000	\$0.00000	

California Climate Credit

California Climate Credit (to be returned to Residential Customers in October bills)

	SoCalGas	SDG&E	Source
Allowance Revenue, \$000			SoCalGas AL xxxxand SDGE AL xxxx
# of Residential Customers			SoCalGas AL xxxxand SDGE AL xxxx
Climate Credit			

EOR	Total Retail			Sout West		Total Whole			Total Non Core	Total System \$000	F&U Amount \$000	Total Allocated \$000	Source
	Non Core	Long Beach	SDG&E	Gas	Vernon	sale	DGN	TBS					
\$0	\$1,915	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,915	\$4,615	\$79	\$4,536	Cost Alloc
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Alloc
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Alloc
\$0	\$630	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$630	\$1,519	\$26	\$1,493	Cost Alloc
\$0	\$2,545	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,545	\$6,134	\$105	\$6,029	
0	2,510,975	0	0	0	0	0	0	0	2,510,975	6,051,520			Alloc Factors
\$0.00000	\$0.00101	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00101	\$0.00101			

EOR	Total Retail			South West			Total Whole			Total Non	Total	F&U	Total	
	Non Core	Long Beach	SDG&E	Gas	Vernon	sale	DGN	TBS	Core	\$000	Amount	Allocated	Source	
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Alloc	
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
0	584,087	0	0	0	0	0	0	0	584,087	4,124,632			Alloc Factors	
\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000				

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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	\$71,956	\$26,588	\$7,960	\$2	\$66	\$996	\$35,611	
SDGE w/FFU \$000	\$0	\$0	\$0			\$0	\$0	
SEU Local Transmission w/FFU, w/o SI \$000	\$71,956	\$26,588	\$7,960	\$2	\$66	\$996	\$35,611	
BB/LT Reconciliation	\$0							
Reconciled SEU Local Transmission w/FFU,	\$71,956							
C) Allocate to SEU classes:								
SCG CYPM Mth/Month		392,906	117,629	26	973	14,720	526,253	
SCG CYPM exclude SDGE WS Mth/Month		392,906	117,629	26	973	14,720	526,253	
SDGE CYPM Mth/month		50,188	23,331	0	0	1,960	75,479	
SEU CYPM Mth/month		443,094	140,960	26	973	16,680	601,732	
CYPM Allocation % among SEU Classes		41.7%	13.3%	0.0%	0.1%	1.6%	56.6%	
Allocate to SEU Classes w/o FFU \$000	\$71,956	\$30,013	\$9,548	\$2	\$66	\$1,130	\$40,758	
D) Allocate to each utility:								
SCG %		88.7%	83.4%	100.0%	100.0%	88.2%	87.5%	
SDGE %		11.3%	16.6%	0.0%	0.0%	11.8%	12.5%	
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	89%	\$63,771	\$26,613	\$7,968	\$2	\$66	\$997	\$35,645
SDGE w/ FFU \$000	11%	\$8,185	\$3,399	\$1,580	\$0	\$0	\$133	\$5,113
total w/ FFU \$000		\$71,956	\$30,013	\$9,548	\$2	\$66	\$1,130	\$40,758
SDGE w/ SDG&E FFU \$000		\$8,230	\$3,418	\$1,589	\$0	\$0	\$133	\$5,141

Calculation of BackBone Transmission Costs under System Integration:

A) Pre-SI BTS Transmission Costs from Cost Allocation Models w/FFU							
SCG w/FFU \$000	\$176,587	\$47,092	\$18,853	\$8	\$406	\$3,257	\$69,617
SDGE w/FFU \$000	\$40,564	\$12,135	\$7,182			\$853	\$20,169
SDGE w/SoCalGas FFU \$000	\$40,343	\$12,069	\$7,142			\$848	\$20,059
SEU BBT w/FFU w/o SI \$000	\$216,930	\$59,161	\$25,996	\$8	\$406	\$4,105	\$89,676
Target SEU BBT w/ FFU	\$216,930						
BB/LT Reconciliation	\$0						

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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	\$71,956	\$9,491	\$528	\$14,150	\$1,201	\$25,370	\$715	\$8,246	\$784	\$562	\$10,307	
SDGE w/FFU \$000	\$0	\$0	\$0	\$0		\$0					0	
SEU Local Transmission w/FFU, w/o SI \$000	\$71,956	\$9,491	\$528	\$14,150	\$1,201	\$25,370	\$715	\$8,246	\$784	\$562	\$10,307	
BB/LT Reconciliation	\$0											
Reconciled SEU Local Transmission w/FFU,	\$71,956											
C) Allocate to SEU classes:												
SCG CYPM Mth/Month		140,247	7,806	209,111	17,746	374,910	10,565	121,858	11,583	8,300	152,307	
SCG CYPM exclude SDGE WS Mth/Month		140,247	7,806	209,111	17,746	374,910	10,565	0	11,583	8,300	30,449	
SDGE CYPM Mth/month		3,947	2,244	39,175		45,366					0	
SEU CYPM Mth/month		144,194	10,050	248,286	17,746	420,276	10,565	0	11,583	8,300	30,449	
CYPM Allocation % among SEU Classes		13.6%	0.9%	23.4%	1.7%	39.6%	1.0%	0.0%	1.1%	0.8%	2.9%	
Allocate to SEU Classes w/o FFU \$000	\$71,956	\$9,767	\$681	\$16,817	\$1,202	\$28,467	\$716	\$0	\$785	\$562	\$2,062	
D) Allocate to each utility:												
SCG %		97.3%	77.7%	84.2%	100.0%	89.2%	100.0%		100.0%	100.0%	100.0%	
SDGE %		2.7%	22.3%	15.8%	0.0%	10.8%	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	89%	\$63,771	\$9,500	\$529	\$14,164	\$1,202	\$25,394	\$716	\$0	\$785	\$562	\$2,062
SDGE w/ FFU \$000	11%	\$8,185	\$267	\$152	\$2,654	\$0	\$3,073	\$0	\$0	\$0	\$0	\$0
total w/ FFU \$000		\$71,956	\$9,767	\$681	\$16,817	\$1,202	\$28,467	\$716	\$0	\$785	\$562	\$2,062
SDGE w/ SDG&E FFU \$000		\$8,230	\$269	\$153	\$2,668	\$0	\$3,090	\$0	\$0	\$0	\$0	\$0

Calculation of BackBone Transmission Costs under System Integration:

A) Pre-SI BTS Transmission Costs from Cost Allocation Models w/FFU

SCG w/FFU \$000	\$176,587	\$28,241	\$1,779	\$45,192	\$3,807	\$79,019	\$1,574	\$21,093	\$1,308	\$1,857	\$25,831
SDGE w/FFU \$000	\$40,564	\$1,659	\$1,051	\$17,686		\$20,395					0
SDGE w/SoCalGas FFU \$000	\$40,343	\$1,650	\$1,045	\$17,589		\$20,284					
SEU BBT w/FFU w/o SI \$000	\$216,930	\$29,891	\$2,824	\$62,781	\$3,807	\$99,303	\$1,574	\$21,093	\$1,308	\$1,857	\$25,831
Target SEU BBT w/ FFU	\$216,930										
BB/LT Reconciliation	\$0										

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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

	Ecogas	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	\$71,956	\$668	\$0	\$36,345	\$71,956	Cost Alloc
SDGE w/FFU \$000	\$0			\$0	\$0	SDGE RD Model/ Cost Alloc
SEU Local Transmission w/FFU, w/o SI \$000	\$71,956	\$668	\$0	\$36,345	\$71,956	
BB/LT Reconciliation	\$0					
Reconciled SEU Local Transmission w/FFU,	\$71,956					
C) Allocate to SEU classes:						
SCG CYPM Mth/Month	9,871	0	537,087	1,063,341		Alloc Factors
SCG CYPM exclude SDGE WS Mth/Month	9,871	0	415,229	941,483		Alloc Factors
SDGE CYPM Mth/month			45,366	120,845		SDGE RD Model/ Alloc Factors
SEU CYPM Mth/month	9,871	0	460,595	1,062,328		
CYPM Allocation % among SEU Classes	0.9%	0.0%	43.4%	100.0%		
Allocate to SEU Classes w/o FFU \$000	\$71,956	\$669	\$0	\$31,198	\$71,956	
D) Allocate to each utility:						
SCG %	100.0%		90.2%	88.6%		
SDGE %	0.0%		9.8%	11.4%		
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	89%	\$63,771	\$669	\$0	\$28,125	\$63,771
SDGE w/ FFU \$000	11%	\$8,185	\$0	\$0	\$3,073	\$8,185
total w/ FFU \$000		\$71,956	\$669	\$0	\$31,198	\$71,956
SDGE w/ SDG&E FFU \$000		\$8,230	\$0	\$0	\$3,090	\$8,230

Calculation of BackBone Transmission Costs under System Integration:

A) Pre-SI BTS Transmission Costs from Cost Allocation Models w/FFU						
SCG w/FFU \$000	\$176,587	\$2,119	\$0	\$106,970	\$176,587	Cost Alloc
SDGE w/FFU \$000	\$40,564			\$20,395	\$40,564	SDGE RD Model/ Cost Alloc
SDGE w/SoCalGas FFU \$000	\$40,343			\$20,284	\$40,343	
SEU BBT w/FFU w/o SI \$000	\$216,930	\$2,119	\$0	\$127,254	\$216,930	
Target SEU BBT w/ FFU	\$216,930					
BB/LT Reconciliation	\$0					

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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	2,584,453	1,034,674	416	22,302	178,769	3,820,615	
SCG CYTP exclude SDGE WS Mth/year	2,584,453	1,034,674	416	22,302	178,769	3,820,615	
SDGE CYTP mth/yr	343,408	203,236	0	0	24,129	570,773	
SEU CYTP Mth/year	2,927,862	1,237,910	416	22,302	202,898	4,391,387	
CYTP Allocation % among SEU Classes	30.2%	12.8%	0.0%	0.2%	2.1%	45.4%	
Allocate to SEU Classes w/FFU \$000	\$216,930	\$65,603.32	\$27,737.31	\$9.33	\$499.70	\$4,546.24	\$98,396
D) Allocate to each utility:							
Each SCG class as a % of SEU class total	88.3%	83.6%	100.0%	100.0%	88.1%	87.0%	
Each SDGE class as a % of SEU class total	11.7%	16.4%	0.0%	0.0%	11.9%	13.0%	
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	\$191,208	\$57,909	\$23,183	\$9	\$500	\$4,006	\$85,607
SDGE w/FFU \$000	\$25,722	\$7,695	\$4,554	\$0	\$541	\$12,789	\$12,789
total w/FFU \$000	\$216,930	\$65,603	\$27,737	\$9	\$500	\$4,546	\$98,396

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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	
C) Allocate to SEU classes:											
SCG CYTP mth/yr	1,549,897	97,615	2,480,164	208,941	4,336,617	86,356	1,157,571	71,786	101,919	1,417,632	
SCG CYTP exclude SDGE WS Mth/year	1,549,897	97,615	2,480,164	208,941	4,336,617	86,356	0	71,786	101,919	260,061	
SDGE CYTP mth/yr	46,945	29,736	500,494	0	577,175	0	0	0	0	0	
SEU CYTP Mth/year	1,596,842	127,350	2,980,658	208,941	4,913,792	86,356	0	71,786	101,919	260,061	
CYTP Allocation % among SEU Classes	16.5%	1.3%	30.8%	2.2%	50.8%	0.9%	0.0%	0.7%	1.1%	2.7%	
Allocate to SEU Classes w/FFU \$000	\$216,930	\$35,779.74	\$2,853.49	\$66,786.30	\$4,681.66	\$110,101	\$1,934.93	\$0.00	\$1,608.48	\$2,283.67	\$5,827
D) Allocate to each utility:											
Each SCG class as a % of SEU class total	97.1%	76.7%	83.2%	100.0%	88.3%	100.0%		100.0%	100.0%	100.0%	
Each SDGE class as a % of SEU class total	2.9%	23.3%	16.8%	0.0%	11.7%	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	\$191,208	\$34,728	\$2,187	\$55,572	\$4,682	\$97,169	\$1,935	\$0	\$1,608	\$2,284	\$5,827
SDGE w/FFU \$000	\$25,722	\$1,052	\$666	\$11,214	\$0	\$12,933	\$0	\$0	\$0	\$0	\$0
total w/FFU \$000	\$216,930	\$35,780	\$2,853	\$66,786	\$4,682	\$110,101	\$1,935	\$0	\$1,608	\$2,284	\$5,827

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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

	Ecogas	TBS	Total Non Core	Total System \$000	Source
C) Allocate to SEU classes:					
SCG CYTP mth/yr	116,299	0	5,870,548	9,691,163	Alloc Factors
SCG CYTP exclude SDGE WS Mth/year	116,299	0	4,712,978	8,533,592	Alloc Factors
SDGE CYTP mth/yr	0	0	577,175	1,147,948	SDGE RD Model
SEU CYTP Mth/year	116,299	0	5,290,153	9,681,540	
CYTP Allocation % among SEU Classes	1.2%	0.0%	54.6%	100.0%	
Allocate to SEU Classes w/FFU \$000	\$216,930	\$2,605.87	\$0.00	\$118,534	\$216,930
D) Allocate to each utility:					
Each SCG class as a % of SEU class total	100.0%		89.1%	88.1%	
Each SDGE class as a % of SEU class total	0.0%		10.9%	11.9%	
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	\$191,208	\$2,606	\$0	\$105,602	\$191,208
SDGE w/FFU \$000	\$25,722	\$0	\$0	\$12,933	\$25,722
total w/FFU \$000	\$216,930	\$2,606	\$0	\$118,534	\$216,930

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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			
			Volumes Mdth/d			
			Volumes Mth/yr			
			Usage rate BTBA \$/dth			
BBT Demand Dth/d	2,689,863	Reg Account Filing				
BTS Tariff Rate \$/dth/day w/FFU:						
SEU Post-SI BTS w/FF&U \$000	\$216,930					
PSRMA-BBT SCG	\$2,976	Reg Account Filing				
PSRMA-BBT SDG&E	\$0	Reg Account Filing				
SECCBA-BBT SCG	\$12,290	Reg Account Filing				
SECCBA-BBT SDG&E	\$234	Reg Account Filing				
SEEBA-BBT SCG	\$15,527	Reg Account Filing				
SEEBA-BBT SDG&E	\$0	Reg Account Filing				
TIMPBA-BBT SCG w/o FFU \$000	\$15,002	Rates 01/2018				
TIMPBA-BBT SDGE w/o FFU \$000	\$3,162	Rates 01/2018				
BTBA w/o FFU \$000	(\$9,143)	Oct-17 Reg Filing				
FFU Rate Net-to-Gross	101.7370%	Misc Inputs				
	\$40,743					
	<u>\$257,673</u>					
BTS Revenue Requirement w/FFU \$000						
BTS Rate incl Reg. Accounts \$/dth/day	\$0.26245					
BTS Rate excluding Reg. Accounts \$/dth/day	<u>\$0.22095</u>					
Effective Unbundled Rate \$/therm excluding FFU:	<u>\$/therm</u>	<u>\$/dth/day</u>				
SEU Post-SI BTS w/FFU \$000	\$216,930	\$216,930				
FFU Rate Gross-to-Net Ratio	98.2926%	98.2926%				
SEU Post-SI BTS w/oFFU \$000	\$213,226	\$213,226				
AYTP Mthy/yr	9,350,960	2,689,863	Alloc Factors			
	\$0.02280	\$0.21718				

Allocation of BTS Revenue Requirement by Class:

Allocate to SEU classes:

SCG CYTP mth/yr	2,584,453	1,034,674	416	22,302	178,769	3,820,615
SCG CYTP exclude SDGE WS Mth/yr	2,584,453	1,034,674	416	22,302	178,769	3,820,615

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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								
	\$216,930	\$257,673								
	80%	80%	Per 2013 TCAP SA							
	\$173,544	\$206,139								
	2,690	2,690								
	\$0.17676	\$0.20996								
BBT Demand Dth/d										
	\$43,386	\$51,535								
	2,690	2,690	Per 2013 TCAP SA							
	9,817,999	9,817,999								
	\$0.04419	\$0.05249								
BTS Tariff Rate \$/dth/day w/FFU:										
SEU Post-SI BTS w/FF&U \$000										
PSRMA-BBT SCG										
PSRMA-BBT SDG&E										
SECCBA-BBT SCG										
SECCBA-BBT SDG&E										
SEEBA-BBT SCG										
SEEBA-BBT SDG&E										
TIMPBA-BBT SCG w/o FFU \$000										
TIMPBA-BBT SDGE w/o FFU \$000										
BTBA w/o FFU \$000										
FFU Rate Net-to-Gross	\$216,930	\$257,673								
	2,690	2,690	2013TCAP MsFung							
	9,817,999	9,817,999								
	\$0.22095	\$0.26245								
BTS Revenue Requirement w/FFU \$000										
BTS Rate incl Reg. Accounts \$/dth/day										
BTS Rate excluding Reg. Accounts \$/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	1,549,897	97,615	2,480,164	208,941	4,336,617	86,356	1,157,571	71,786	101,919	1,417,632
SCG CYTP exclude SDGE WS Mth/year	1,549,897	97,615	2,480,164	208,941	4,336,617	86,356	0	71,786	101,919	260,061

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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

	Ecogas	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/FF&U \$000
- PSRMA-BBT SCG
- PSRMA-BBT SDG&E
- SECCBA-BBT SCG
- SECCBA-BBT SDG&E
- SEEBBA-BBT SCG
- SEEBBA-BBT SDG&E
- TIMPBA-BBT SCG w/o FFU \$000
- TIMPBA-BBT SDGE w/o FFU \$000
- BTBA w/o FFU \$000
- FFU Rate Net-to-Gross

BTS Revenue Requirement w/FFU \$000

BTS Rate incl Reg. Accounts \$/dth/day

BTS Rate excluding Reg. Accounts \$/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	116,299	0	5,870,548	9,691,163	Alloc Factors
SCG CYTP exclude SDGE WS Mth/year	116,299	0	4,712,978	8,533,592	

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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
SDGE CYTP mth/yr	343,408	203,236	0	0	24,129	570,773
SEU CYTP Mth/year	2,927,862	1,237,910	416	22,302	202,898	4,391,387
CYTP Allocation % among SEU Classes	30.2%	12.8%	0.0%	0.2%	2.1%	45.4%
Allocate to SEU Classes w/FFU \$000	\$257,673	\$77,925	\$32,947	\$11	\$594	\$5,400
						\$116,876

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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	
SDGE CYTP mth/yr	46,945	29,736	500,494	0	577,175	0	0	0	0	0	
SEU CYTP Mth/year	1,596,842	127,350	2,980,658	208,941	4,913,792	86,356	0	71,786	101,919	260,061	
CYTP Allocation % among SEU Classes	16.5%	1.3%	30.8%	2.2%	50.8%	0.9%	0.0%	0.7%	1.1%	2.7%	
Allocate to SEU Classes w/FFU \$000	\$257,673	\$42,500	\$3,389	\$79,330	\$5,561	\$130,780	\$2,298	\$0	\$1,911	\$2,713	\$6,922

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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

	Ecogas	TBS	Total Non Core	Total System \$000	Source
SDGE CYTP mth/yr	0	0	577,175	1,147,948	SDGE RD Model
SEU CYTP Mth/year	116,299	0	5,290,153	9,681,540	
CYTP Allocation % among SEU Classes	1.2%	0.0%	54.6%	100.0%	
Allocate to SEU Classes w/FFU \$000	\$257,673	\$3,095	\$0	\$140,797	\$257,673

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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
<u>Allocate to each utility:</u>						
Each SCG class as a % of SEU class total	88.3%	83.6%	100.0%	100.0%	88.1%	87.0%
Each SDGE class as a % of SEU class total	11.7%	16.4%	0.0%	0.0%	11.9%	13.0%
total %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Allocate BBT Revenue Requirement w/ FFU:						
SCG \$000	\$227,121	\$68,785	\$27,538	\$11	\$594	\$4,758
SDGE \$000	\$30,553	\$9,140	\$5,409	\$0	\$0	\$642
SEU BTS Revenue Requirement w/FFU \$000	\$257,673	\$77,925	\$32,947	\$11	\$594	\$5,400
						\$116,876

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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	
<u>Allocate to each utility:</u>											
Each SCG class as a % of SEU class total	97.1%	76.7%	83.2%	100.0%	88.3%	100.0%		100.0%	100.0%	100.0%	
Each SDGE class as a % of SEU class total	2.9%	23.3%	16.8%	0.0%	11.7%	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	\$227,121	\$41,250	\$2,598	\$66,009	\$5,561	\$115,419	\$2,298	\$0	\$1,911	\$2,713	\$6,922
SDGE \$000	\$30,553	\$1,249	\$791	\$13,321	\$0	\$15,361	\$0	\$0	\$0	\$0	\$0
SEU BTS Revenue Requirement w/FFU \$000	\$257,673	\$42,500	\$3,389	\$79,330	\$5,561	\$130,780	\$2,298	\$0	\$1,911	\$2,713	\$6,922

**System Integration ("SI") and BackBone Transmission BTS charge
2020 TCAP Application**

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

	Ecogas	TBS	Total Non Core	Total System \$000	Source
<u>Allocate to each utility:</u>					
Each SCG class as a % of SEU class total	100.0%		89.1%	88.1%	
Each SDGE class as a % of SEU class total	0.0%		10.9%	11.9%	
total %	100.0%		100.0%	100.0%	
Allocate BBT Revenue Requirement w/ FFU:					
SCG \$000	\$227,121	\$3,095	\$0	\$125,435	\$227,121
SDGE \$000	\$30,553	\$0	\$0	\$15,361	\$30,553
SEU BTS Revenue Requirement w/FFU \$000	\$257,673	\$3,095	\$0	\$140,797	\$257,673

**SoCalGas
Residential Rate Design
2020 TCAP Application**

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 (Sched GR)	\$10.00	\$0.30496	\$0.84936		3,808,652				\$457,038				
MF (Sched GS)	\$10.00	\$0.30496	\$0.84936		1,784,011				\$214,081				
SMM (Sched GM)	\$10.00	\$0.30496	\$0.84936		121,819				\$14,618				
Total SF, MF & SMM	\$10.00	\$0.30496	\$0.84936	\$0.45170	5,714,482	1,707,243	630,017	2,337,260	\$685,738	\$520,636	\$535,112	\$1,055,748	\$1,741,486
LMM (Sched GMB)	\$411	\$0.12454	\$0.34686	\$0.15646	49	7,787	1,306	9,093	\$244	\$970	\$453	\$1,423	\$1,666
Total SF, MF, SMM & LMM	\$10.00	\$0.30414	\$0.84832	\$0.45056	5,714,531	1,715,031	631,322	2,346,353	\$685,982	\$521,605	\$535,565	\$1,057,170	\$1,743,152
Submeter Credit \$/unit/day (Sched GS)				(\$0.13742)	141,547							(\$7,100)	(\$7,100)
Total Residential													\$1,736,052
CAT Adder				\$0.00166				27,389				\$46	\$46
CSITMA Adder				\$0.00311				1,745,667				\$5,421	\$5,421
CARB Fee Adder				\$0.00101				2,346,353				\$2,378	\$2,378
GHG Adder				\$0.00000				2,346,353				\$0	\$0
Total Residential					5,714,531			2,346,353	\$685,982			\$1,057,915	\$1,743,897

Residential Demand Data:

Class	Tariff	# Customers	Mth/year Base Line	Mth/year Non Base Line	Mth/year Total	Source
Single Family	GR	3,808,652	n/a	n/a	n/a	Res data
Multi Family	GS	1,784,011	n/a	n/a	n/a	Res data
Small Master Meter	GM	121,819	n/a	n/a	n/a	Res data
		5,714,482	1,707,243	630,017	2,337,260	
Large Master Meter	GMB	49	7,787	1,306	9,093	Res data
total		5,714,531	1,715,031	631,322	2,346,353	Res data
# Master Meters w/ Submeter	GS	1,744	n/a	n/a	n/a	Res data
Total # Submetered units	GS	141,547	n/a	n/a	n/a	Res data
CAT		n/a	n/a	n/a	27,389	Alloc Factors

#1 Calculate LMM revenue	Source
Total Res Customer Costs =	\$1,051,452 Cost Alloc
Total Res Customer Charge Revenue =	(\$685,982)
Submeter Credit =	\$7,100
	\$372,570
total Res Mth/y =	234,635
Average Res Rate =	\$0.16
LMM Mth/y =	9,093
LMM Volumetric Revenue incl CAT Costs=	\$1,444
Less CAT Costs allocated to LMM \$000	(\$0.176)
Less CSITMA Costs allocated to LMM \$000	(\$21.008)
LMM Volumetric Revenue NonCAT, nonCSITMA =	\$1,423
LMM Customer Charge Revenue =	\$244
LMM revenue NonCAT, nonCSITMA \$000's/yr =	\$1,666

#1a Calculate Submeter Credit Revenues	Source
Based on Current Rate:	
Submeter Credit, \$/day/unit	(\$0.13742) 2016TCAP SubMtr Cr
Number of Submetered Units =	141,547
Number of days for subMeter CR =	365
Submeter Credit Revenues @ current rate \$000/yr =	(\$7,100)
Submeter Credit Care Rate, \$/day/unit	(\$0.20318) 2016TCAP 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=	\$78	\$9,581		Res SRM Data
# Res Customers =	5,714,482	49	5,714,531	
Total cost based on new meter unit cost \$000	\$445,151	\$473	\$445,624	
% of total =	99.9%	0.1%	100.0%	
Total Customer Costs Allocated to Res Class \$000	\$1,051,452	\$1,051,452	\$1,051,452	Alloc factors
Customer Charge Rev based on Allocated Cost Adjusted for Meter Cost \$000	\$1,050,335	\$1,117	\$1,051,452	
# Res Customers =	5,714,482	49	5,714,531	
Customer Charge based on Allocated Cust Cost & Meter cost \$/mo =	\$15	\$1,884	\$15	

Calculation of LMM Customer Charge based on Cap on increase

	LMM	Source
Current LMM Customer Charge \$/meter/day	\$12.289	Tariff Schd GM January 2017
	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	\$1,884	
Customer Charge = smaller of Meter Based & Capped Increase =	\$411	
# Customers =	49	
LMM Customer Charge Rev \$000's/yr =	\$244	

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

		Source
CAT Related Costs allocated to Res \$000	\$45.6	Cost Alloc
CAT Volumes Mth/yr	27,389	
CAT Rate Adder \$/th	\$0.00166	

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

	Forecast Mth/yr	%	CAT related costs \$000	Source
Res Vols Mth/yr	2,346,353	99.6%	\$45.41	
LMM Vols Mth/yr	9,093	0.4%	\$0.18	
	2,355,446	100.0%	\$45.59	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	\$5,421.0	Cost Alloc
Non Care Res Volumes Mth/yr	1,745,667	
CSMITA Rate Adder \$/th	\$0.00311	

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

	Forecast Mth/yr	%	CSITMA related costs \$000	Source
Res Vols Mth/yr	2,337,260	99.6%	\$5,399.95	
LMM Vols Mth/yr	9,093	0.4%	\$21.01	
	2,346,353	100.0%	\$5,420.96	Cost Alloc

#1c Calculation of CARB Adder		Source
CARB Related Costs allocated to Res \$000	\$2,378.2	Cost Alloc
CARB Volumes Mth/yr	2,346,353	
CARB Rate Adder \$/th	\$0.00101	

#1d Calculation of GHG Adder		Source
CARB Related Costs allocated to Res \$000	\$0	Cost Alloc
CARB Volumes Mth/yr	2,346,353	
CARB Rate Adder \$/th	\$0.00000	

#2 Calculation of Customer Charge Revenue

	# Customers	Proposed Rate \$/mo	Proposed Revenue \$000/yr	Source
SF	3,808,652	\$10.00	\$457,038	
MF	1,784,011	\$10.00	\$214,081	
SMM	121,819	\$10.00	\$14,618	
LMM	49	\$411	\$244	
			\$685,982	

#3 Calculate SF, MF & SMM Volumetric Revenue		Source
Total Res Allocated Rev Req =	\$1,743,897	Cost Alloc
Less CAT Cost allocated to Res	(\$45.6)	
Less CSITMA Cost allocated to Res	(\$5,421.0)	
Less CARB Adder Cost allocated to Res	(\$2,378.2)	
Less GHG Adder Cost allocated to Res	\$0.0	
Total Res Allocated Rev Req NonCAT , nonCSITMA	\$1,736,052	
Less LMM revenue NonCAT, nonCSITMA =	(\$1,666)	
SF, MF & SMM Revenue \$000/yr =	\$1,734,386	
Less Cust Chg Rev \$000/yr		
SF	\$457,038	
MF	\$214,081	
SMM	\$14,618	
	\$685,738	
SubMeter Credit	(\$7,100)	
Vol revenue SF, MF & SMM:	\$1,041,548	

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

Calculate BL & NBL Rates between NBL & BL rates (excluding gas costs)

Formulae:

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

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

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

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

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

	<u>RATES</u>	<u>Sources</u>
Base Line Rate \$/th = blr	\$0.30496	
Base Line Vols mth/yr = blv =	<u>1,707,243</u>	
Baseline Revenue \$000 =	<u>\$520,636</u>	
NBL rate based on NBL/Composite Ratio:		
Composite Rate \$/th	\$0.97933	
Targeted RATIO	1.15	
Gas Rate \$/th =	<u>\$0.27687</u>	Misc Inputs
NonBaseline Rate \$/th	<u>\$0.84936</u>	
NonBaseline Vols mth/yr= nbv =		
	<u>630,017</u>	
NonBaseline Revenue \$000	<u>\$535,112</u>	
Customer Charge revenue = ccr =		
	\$685,738	
SubMeter Credit = sc =	<u>(\$7,100)</u>	
Total Revenue	<u>\$1,734,386</u>	
target revenue	<u>\$1,734,386</u>	
	\$0	
Difference between NBL and BL rate:		
NBL Rate \$/th	\$0.84936	
BL rate \$/th	<u>\$0.30496</u>	
difference \$/th	<u><u>\$0.54441</u></u>	
Effective NBL/Composite Ratio:		
NBL Rate \$/th	\$0.84936	
Gas Rate \$/th =	<u>\$0.27687</u>	Misc Inputs
	\$1.12623	
Composite Rate \$/th	<u>\$0.97933</u>	
Effective Ratio	<u><u>1.15</u></u>	

Composite Rate:		
Baseline Revenue \$000 =	\$520,636	
Customer Charge revenue = ccr =	\$685,738	
SubMeter Credit = sc =	<u>(\$7,100)</u>	
	\$1,199,273	
Base Line Vols mth/yr = blv =	<u>1,707,243</u>	
	\$0.70246	
Gas Rate \$/th =	<u>\$0.27687</u>	Misc Inputs
Composite Rate \$/th	<u><u>\$0.97933</u></u>	

#5 LMM Volumetric Rate

LMM = Master Meter BL/NBL Rates are set proportional to proposed SF BL/NBL Rates

$(\text{Blrate} \times \text{Blvolumes}) + (\text{presentNBL} / \text{Blratio} \times \text{Blrate} \times \text{NBLvolumes}) = \text{LMM Volumetric revenue}$

LMM Volumetric revenue NonCAT \$000/yr= \$1,423

Blvolumes = 7,787

proposed SF NBL/Blratio:

SF BL rate = \$0.30496

SF NBL rate = \$0.84936

ratio = 2.79

NBLvolumes = 1,306

solve for Blrate:

$\text{Blrate} \times (\text{Blvolume} + (\text{NBLvolume} \times \text{ratio})) = \text{LMM volumetric revenue}$

$\text{Blrate} = \text{Revenue} / (\text{Blvolume} + (\text{NBLvolume} \times \text{ratio}))$

	Proposed LMM Volumetric rate \$/th	LMM Vol mth/yr	LMM vol rev \$000/yr
Blrate \$/th =	<u>\$0.12454</u>	7,787	\$970
NBLrate = Blrate * ratio = \$/th	<u>\$0.34686</u>	1,306	\$453
	<u><u>\$0.15646</u></u>	9,093	\$1,423
ratio of proposed rates =	2.79		

**SoCalGs Residential Rate Design Data
2020 TCAP Application**

Residential Customer Class Data	Tariff	# Customers	Mth/year Base	Mth/year Non	Mth/year Total	Source
			Line	Base Line		
Single Family	GR	3,699,417	1,059,719	454,132	1,513,851	Recorded 2017
Multi Family	GR	1,732,844	291,770	46,630	338,400	Recorded 2017
Master Meters:						Recorded 2017
Small Master Meter	GM	118,325	182,464	65,306	247,770	Recorded 2017
Large Master Meter	GMB	48	6,997	1,173	8,170	
# master meters		118,373	189,461	66,479	255,940	
total		5,550,634	1,540,950	567,241	2,108,191	
# Master Meters w/ Submeters	GS	1,694	n/a	n/a	n/a	Recorded 2017
Total # Submetered units	GS	137,487	n/a	n/a	n/a	Recorded 2017

2006 actuals as % of total

Single Family	GR	66.6%	50.3%	21.5%	71.8%	
Multi Family	GR	31.2%	13.8%	2.2%	16.1%	
Master Meters:						
Small Master Meter	GM	2.1%	8.7%	3.1%	11.8%	
Large Master Meter	GMB	0.0%	0.3%	0.1%	0.4%	
# master meters		2.1%	9.0%	3.2%	12.1%	
total		100.0%	73.1%	26.9%	100.0%	
# Master Meters w/ Submeters	GS	1.4%	n/a	n/a	n/a	
Average # submeters per master meter	GS	81	n/a	n/a	n/a	

2016TCAP Forecast Residential Data Allocated to SF/MF/MM:

Forecast		5,714,531			2,346,353	Alloc Factors
Single Family	GR	3,808,652	1,179,435	505,435	1,684,870	
Multi Family	GR	1,784,011	324,731	51,898	376,629	
Master Meters:						
Small Master Meter	GM	121,819	203,077	72,684	275,760	
Large Master Meter	GMB	49	7,787	1,306	9,093	
# master meters		121,868	210,864	73,989	284,853	
total		5,714,531	1,715,031	631,322	2,346,353	
# Master Meters w/ Submeters	GS	1,744	n/a	n/a	n/a	
Total # Submetered units	GS	141,547	n/a	n/a	n/a	

SoCalGas
 Res Meter Size Data
 2020 TCAP Application

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	\$47	21	5,108,718	92.8%	150,488	5,259,206		5,259,206
2	\$142	20	36,595	0.6%	1,027	37,622		37,622
3	\$427	19	330,863	5.4%	8,818	339,681		339,681
4	\$577	18	60,954	0.9%	1,539	62,493		62,493
5	\$577	17	2,531	0.0%	60	2,591	0	2,591
6	\$730	16	8,738	0.1%	196	8,934	0	8,934
7	\$730	15	163	0.0%	3	166	0	166
8	\$818	14	2,798	0.0%	55	2,853	0	2,853
9	\$818	13	679	0.0%	12	691	0	691
10	\$1,423	12	227	0.0%	4	231	0	231
11-15	\$4,433	11	50	0.0%	1	51	37	14
16	\$17,118	10	5	0.0%	0	5	5	0
17	\$17,118	9	2	0.0%	0	2	2	0
18	\$17,118	8	2	0.0%	0	2	2	0
20	\$17,118	7	1	0.0%	0	1	1	0
21	\$17,118	6	0	0.0%	0	0	0	0
23	\$17,118	5	1	0.0%	0	1	1	0
24	\$17,118	4	0	0.0%	0	0	0	0
25-26	\$119,284	3	0	0.0%	0	0	0	0
28	\$119,284	2	1	0.0%	0	1	1	0
34	\$119,284	1	0	0.0%	0	0	0	0
Total			5,552,328		162,203	5,714,531	49	5,714,482
Forecasted Customers			5,714,531	<i>Alloc Factors</i>			49	<i>Res Data</i>
Scalar			162,203					
Meter Cost =						\$77.98	\$9,580.71	\$77.90

SoCalGas Core C&I Rate Design
2020 TCAP Application

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	141,378		\$25,448	
Tier 2 >1,000 th/yr	\$15.00	62,136		\$11,185	
Customer Charge	\$15.00	203,514		\$36,633	
Tier 1 0 to 250 th/mo	\$0.65195		202,399	\$131,955	
Tier 2 250 to 4,167 th/mo	\$0.34795		449,431	\$156,377	
Tier 3 over 4,167 th/mo	\$0.14411		340,876	\$49,123	
Total Volumetric	\$0.33993		992,706	\$337,455	
Total Volumetric & Customer Charge	\$0.37684		992,706	\$374,088	
CAT Adder	\$0.00166		139,308	\$232	Alloc Factors
CSITMA Adder \$/th	\$0.00311		978,185	\$3,038	Alloc Factors
GHG Adder \$/th	\$0.00000		992,706	\$0	Alloc Factors
Total CCI	\$0.38013		992,706	\$377,357	

#1 Calculate # customers by Tier

	# Bills/yr	% total	Forecast # Customers	Source
Tier 1	1,412,330	69.5%	141,378	2017 Recorded
Tier 2	620,725	30.5%	62,136	2017 Recorded
	2,033,055	100.0%	203,514	Alloc Factors

#2 Calculate # Therms by Tier

2006 Mdth/yr	Total Mdth/yr	% total	Forecast Volumes Mth/yr	Source
Tier 1 *	224,252.4	20.4%	202,399	2017 Recorded
Tier 2	497,956.9	45.3%	449,431	2017 Recorded
Tier 3	377,680.5	34.3%	340,876	2017 Recorded
	1,099,889.8	100.0%	992,706	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 Base Margin Items \$/th	Vol Rev Base Margin Items \$000	Vol Rate NonBase Margin Items \$/th	Total Vol Rate \$/th	Total Vol Rev \$000	Source
Tier 1		202,399	\$0.58967	\$119,348	\$0.06229	\$0.65195	\$131,955	
Tier 2	48%	449,431	\$0.28566	\$128,383	\$0.06229	\$0.34795	\$156,377	
Tier 3	14%	340,876	\$0.08182	\$27,890	\$0.06229	\$0.14411	\$49,123	
		992,706		\$275,621		\$0.33993	\$337,455	
Total Allocated Base Margin Costs to CCI				\$311,454	Cost Alloc			
Less CAT Related Costs allocated to CCI \$000				(\$232)	Cost Alloc			
Plus Non-ECPT items				\$1,031	Cost Alloc			
Amount to be allocated based on current tier difference less customer charge revenue				\$312,253				
Target Vol Rev \$000 =				(\$36,633)				
Vol revenue Check should be \$0				\$275,621				
				\$0				
Total Allocated Costs				\$377,357	Cost Alloc			
Less CAT Related Costs allocated to CCI \$000				(\$232)	Cost Alloc			
Less CSITMA Adder \$/th				(\$3,038)	Cost Alloc			
Less GHG Adder \$/th				\$0	Cost Alloc			
Total Allocated Costs				\$374,088				
Amount to be allocated based on current tier difference				\$312,253				
Total Allocated NonBase Margin Costs				\$61,835				
Forecast AYTP Mth/yr				992,706				
Volumetric Rate for NonBaseMargin Items \$/th				\$0.06229				

Notes:
Rate 1 = $\frac{1}{((1 * \text{volume}1) + (1 * \text{tier 2 \% difference} * \text{Volume}2) + (1 * \text{tier 3 \% difference} * \text{Volume}3)) * (1 / \text{volumetric revenue})} - 1$
Rate 2 = Rate 1 * % difference from tier 1
Rate 3 = Rate 1 * % difference from tier 1

Volumetric rates are calculated in 2 parts:
part 1 = base margin - 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	\$232	
CAT Volumes Mth/yr	139,308	Alloc Factors
CAT Rate Adder \$/th	\$0.00166	

SOCALGAS
G-AC Rate Design
2020 TCAP Application

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	\$66.012 Cost Alloc
CSITMA Adder	\$1.293 Cost Alloc
Less Customer Charge Revenue:	
# customers	8 Recorded 2017
Customer Charge \$/mo	\$150.00
Customer Charge Revenue \$000/yr	\$14
Volumetric Revenue \$00/yr	\$50
AYTP mth/yr	416 Alloc Factors
Volumetric Rate \$/th	\$0.12088

SOCALGAS
G-EN Rate Design
2020 TCAP Application

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	\$9,212	Cost Alloc
Subtotal Other Operating Costs and Revenues	\$139	Cost Alloc
Total Regulatory Accounts	\$1,126	Cost Alloc
Core Interstate Pipeline Demand Charges (IPDC)	\$0	Cost Alloc
EOR Revenue allocated to Other Classes \$000	(\$67)	Cost Alloc
EOR Costs allocated to Other Classes \$000	\$42	Cost Alloc
Total Transportation Revenue \$000	\$10,452	
AYTP mth/yr	22,302	Alloc Factors
average rate \$/th	\$0.46867	
G-EN CAP \$/th	\$0.16318	
AYTP mth/yr	22,302	Alloc Factors
Revenue @ G-EN CAP rate \$000	\$3,639	
Reduction in rate required to match CAP	\$6,813	
Transportation Revenue to match CAP	\$3,639	
average rate \$/th	\$0.16318	
Total Transportation Revenue (post CAP) \$000	\$3,639	Cost Alloc
CSITMA Adder	\$69	
Less Customer Charge Revenue:		
# customers	711	Recorded 2017
Customer Charge \$/mo	\$50.00	
Customer Charge Revenue \$000/yr	\$427	
Volumetric Revenue \$00/yr	\$3,143	
AYTP mth/yr	22,302	Alloc Factors
Volumetric Rate \$/th	\$0.14094	

Calculation of G-EN CAP:		Source
G-EN Cap (incl IPDC, EE & RDD)	\$0.20384	1999BCAP
GHG Costs	\$0.00000	Misc Input tab
Less IPDC	\$0.00000	2016RD Model
Less EE & RDD rate \$/th	(\$0.04066)	
G-EN CAP (Ex IPDC, EE & RDD)	\$0.16318	
Calculation of EE & RDD rate \$/th:		
allocated EE \$000's	\$741	2018 PPPS Model WP #1 cell F8
allocated ESAP (LIEE) \$000's	\$0	2018PPPS Model WP #1 cell F9
Less allocated EE balance:		
total EE balance \$000's	(\$11,281)	2018 PPPS Model WP #2 cell D42
DSM allocator	0.99%	2018 PPPS Model WP #1 cell F28
	<u>(\$112)</u>	
Plus allocated RDD:		
total RDD \$000's	\$11,880	2018 PPPS Model WP #2 cell D20
EPMC All Ex UBS & EOR	0.45%	Alloc Factors cell E107
	<u>\$54</u>	
Allocated EE & RDD \$000's	\$907	
AYTP Mth/yr	22,302	Alloc Factors cell E31
Less EE & RDD rate \$/th	<u>\$0.04066</u>	

SOCALGAS
NGV Cost Allocation
2020 TCAP Application

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	\$26,484	Cost Alloc
Less EC Compression Costs	\$2,964	Cost Alloc
CSITMA Adder \$/th	\$555	Cost Alloc
Less CARB Adder \$/th	\$181	Misc Input
Less GHG Adder \$/th	\$0	Misc Input
Total Transport Rev Stand Alone	\$22,783	

Pre SW Calculation of Compression Adder Rate:

EC Compression Costs	\$2,964	
Compression Volumes mth/yr	2,833	TCAP
Pre SW Compression Adder Rate \$/th	\$1.04636	

Calculation of Customer Charge Revenue:	P-1	P-2A	Total	Source
Customer Charge \$/mo	\$13.00	\$65.00	\$28.82	
# Customers	263	115	378	TCAP/ Alloc Factors
Customer Charge Revenue \$000/yr	\$41	\$90	\$131	

Pre-SW Calculation of NGV Transportation Rate:		Source
Total Transport Rev Stand Alone	\$22,783	
Less Customer Charge revenue \$000/yr	\$131	
Volumetric Revenue \$000/yr	\$22,652	
Transportation volumes mth/yr	178,769	Alloc Factors
Pre-SW NGV Transportation Rate \$/th	\$0.12671	

Calculation of Post SW NGV Rates:	SCG	SDGE	Total	
Pre-SW Transportation Volumetric Revenue w/FFU	\$22,652	\$2,754	\$25,406	SDGE RD Model / NGV Rates
FFU	101.74%	102.29%		Misc Input/ SDGE RD Model
Pre-SW Transportation Volumetric Revenue w/oFFU	\$22,266	\$2,692	\$24,958	
Transportation volumes mth/yr	178,769	24,129	202,898	SDGE RD Model / NGV Rates
SW Average Transport Rate w/o FFU \$/th			\$0.12301	

Calculation of SW Transport Revenue w/o FFU:

Transportation volumes mth/yr	178,769	24,129	202,898
Post SW Volumetric Rates w/o FFU\$/th	\$0.12301	\$0.12301	\$0.12301
Post SW Volumetric Revenue w/o FFU	\$21,990	\$2,968	\$24,958
Pre-SW Transportation Volumetric Revenue w/o FFU	\$22,266	\$2,692	\$24,958
SW UnCompressed Volumetric Adjustment w/o FFU	(\$276)	\$276	(\$0)

Calculation of SW Transport Revenue w/ FFU:

Transportation volumes mth/yr	178,769	24,129	202,898
Post SW Volumetric Rates w/ FFU\$/th	\$0.12514	\$0.12583	\$0.12522
Post SW Volumetric Revenue w/ FFU	\$22,372	\$3,036	\$25,408
Pre-SW Transportation Volumetric Revenue w/FFU	\$22,652	\$2,754	\$25,406
SW UnCompressed Volumetric Adjustment w/FFU	(\$281)	\$282	\$2

Pre-SW Compressor Revenue w/FFU	\$2,964	\$647	\$3,611	SDGE RD Model / NGV Rates
FFU	101.74%	102.29%		Misc Input/ SDGE RD Model
Pre-SW Compressor Revenue w/o FFU	\$2,914	\$633	\$3,546	
Compressor Volumes Mth/yr	2,833	628	3,461	SDGE RD Model / NGV Rates
SW Average Compressor Rate w/o FFU \$/th			\$1.02458	

Calculation of SW Compressor Revenue w/o FFU:

Compressor Volumes Mth/yr	2,833	628	3,461
SW Average Compressor Rate w/o FFU \$/th	\$1.02458	\$1.02458	\$1.02458
Post SW Compressor Revenue w/o FFU	\$2,903	\$644	\$3,546
Pre-SW Compressor Revenue w/o FFU	\$2,914	\$633	\$3,546
SW Compressed Adjustment w/o FFU	(\$11)	\$11	\$0

Calculation of SW Compressor Revenue w/ FFU:

Compressor Volumes Mth/yr	2,833	628	3,461
SW Average Compressor Rate w/ FFU \$/th	\$1.04238	\$1.04809	\$1.04342
Post SW Compressor Revenue w/ FFU	\$2,953	\$659	\$3,611
Pre-SW Compressor Revenue w/ FFU	\$2,964	\$647	\$3,611
SW Compressed Adjustment w/ FFU	(\$11)	\$11	\$0

Total NGV Revenue w/FFU:

Pre-SW Vol & Compressor Adder W/FFU	\$25,617	\$3,401	\$29,018
Post-SW Volumetric & Compressor Adder w/FFU	\$25,325	\$3,695	\$29,019
	(\$292)	\$294	\$2

**SoCalGas Residential NGV Rates
2020 TCAP Application**

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	216		\$26
Volumetric Rate \$/th	\$0.28630		166	\$48
				<u>\$73</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	\$1,743,897	Cost Alloc
less CSITMA adder costs	(\$5,420.96)	
less CARB adder costs	(\$2,378)	
less GHG adder costs	\$0	
	<u>\$1,736,098</u>	
# Res Customers	5,714,531	Alloc Factors
Residential Cost = \$/Customer/year	\$304	
Additional cost for FM = \$/customer/year	\$154	
Total cost for Res customer with FM = \$/customer/yr	\$458	
Total # FM customers	216	
Total Revenue from Res Customers with FM=\$000	\$99	
# Res Customers with FM	216	
Customer Charge = \$/mo	\$10.00	
Customer Charge Revenue = \$000/yr	<u>\$26</u>	
Volumetric Revenue from Res Customers with FM=\$000	<u>\$73</u>	
Total Mth/year of Res Customers with FM=Mth/yr	255	
Vol Transport Rate for Res Customer with FM=\$/th	<u>\$0.28630</u>	

Calculation of Total Mth/year of Res Customers with Fuel Maker ("FM"):		Source
Average Residential Th/year:		
Total Residential AYTP=Mth/yr	2,346,353	Alloc Factors
# Residential Customer	5,714,531	Alloc Factors
Average Residential Th/year	411	
Additional Th/year for FM:		
Total Fuel Maker Mth/yr	166	
Total # Fuel Maker customers	216	
Additional Th/year for Fuel Maker	770	
Total Th/year for Res Customer with FM = th/yr	1,181	
Total # FM customers	216	
Total Mth/year of Res Customers with FM=Mth/yr	255	

Calculation of FM therms/year and # FM Customers:		Source
FM Usage Per Day Per Home (therm/day)	2.11	2017 Data
x avg #days/month	30.42	2017 Data
FM Usage Per Day Per Home (therm/day)	64.2	
Total # Res Customers		
% of Res. Households Having NGV refueling at home		
Total # FM customers	216	2017 Data
Total FM Mth/yr	166	
Total FM Mth/month	14	
Total FM Mth/day	0.5	

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

Additional cost for FM Source

Incremental Customer Costs \$000/yr

One Time Billing System Costs \$000	\$100	
Amortization period = years	5	
Incremental Customer Costs \$000/yr	\$20	

Incremental MPD Costs \$000/yr

Res CYPD Mth/d	24,168	Alloc Factors
FM Est Peak Day Mth/d	0.5	
FM CYPD as % Res CYPD	0.00%	
Res MPD Costs \$000	\$288,483	Cost Allocation
Total MPD Costs \$000	\$5	

Incremental HPD Costs \$000/yr

Res CYPM Mth/mo	392,906	Alloc Factors
FM Est CYPM Mth/mo	14	
FM CYPM as % Res CYPM	0.00%	
Res HPD Costs \$000	\$95,956	Cost Allocation
Total HPD Costs (\$1,000)	\$3	

Incremental BBT Costs for FM \$000/yr

Res CYTP Mth/yr	w/SI	
FM Est Peak CYTP Mth/d	2,584,453	Alloc Factors
FM CYTP as % Res CYTP	166	Use AYTP of FM market
Res BBT Costs w/SI \$000	0.01%	
Incremental BBT Costs \$000	\$0	Cost Allocation

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

Res CYPM Mth/mo	392,906	Alloc Factors
FM Est CYPM Mth/mo	14	Use AYTP of FM market
FM CYPM as % Res CYPM	0.00%	
Res Local-T Costs w/SI \$000	\$26,613	Cost Allocation
Incremental Local-T costs \$000	\$1	

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

Res CYPD Mth/d	24,168	Alloc Factors
FM Est Peak Day Mth/d	0.5	
FM Peak Day as % Res Peak Day	0.00%	
Res Stoorage Costs - Seasonal \$000	\$67,728	Cost Allocation
Storage Costs - Seasonal for FM \$000	\$1	

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

Res AYTP Mth/y	2,346,353	Alloc Factors
FM Est AYTP Mth/y	166	
FM Peak Day as % Res Peak Day	0.01%	
Res Stoorage Costs - Load Balancing \$000	\$17,719	Cost Allocation
Storage Costs - Load Balancing for FM \$000	\$1	

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

FM Est AYTP Mth/y	166	
Co Use Trans rate as % of end use	0.000%	Misc Input
CoUse Trans for FM Mth/yr	0	
WACOG \$/dth	\$2.77	Misc Input
Co Use Transmission for FM \$000/yr	\$0	

Incremental UAF for FM \$000/yr:

FM Est AYTP Mth/y	166	
UAF rate as % of end use	0.937%	Misc Input
UAF for FM Mth/yr	2	
WACOG \$/dth	\$2.77	Misc Input
UAF for FM \$000/yr	\$0	

Incremental Transport Rev Req w/Sl, w/oFFU \$000/yr	\$33	
FFU Rate	101.74%	Cost Allocation
Incremental Transport Rev Req w/Sl, FFU \$000/yr	\$33	
# FM Customers	216	
Additional cost for FM = \$/customer/year	\$154	

**SoCalGas NonCore C&I Distribution Rate Design
2020 TCAP Application**

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	563		\$2,367
Tier 1 0 to 250 th/mo	\$0.18285		124,403	\$22,747
Tier 2 250 to 4,167 th/mo	\$0.11328		217,228	\$24,607
Tier 3 over 4,167 th/mo	\$0.06877		118,763	\$8,168
Tier 4	\$0.03697		459,341	\$16,982
Total Volumetric	\$0.07883		919,735	\$72,503
Total Volumetric & Customer Charge	\$0.08140		919,735	\$74,869
CSITMA Adder \$/th	0.00311			\$2,843
GHG Adder \$/th	0.00000			\$0
Total NCCI	\$0.08449		919,735	\$77,712

#1 Calculate # Therms by Tier	NCCI-D excl Refinery usage Mth/yr	NCCI-D Refinery usage Mth/yr	2010 Total NCCI-D Mth/yr	% total	Forecast Volumes Mth/yr	Source
# customers					563	NCCI Detal Alloc
Tier 1	120,833	2,292	123,125	13.5%	124,403	Recorded 2017
Tier 2	208,619	6,377	214,996	23.6%	217,228	Recorded 2017
Tier 3	109,144	8,399	117,543	12.9%	118,763	Recorded 2017
Tier 4	210,593	244,030	454,623	49.9%	459,341	Recorded 2017
	649,189	261,098	910,287	100.0%	919,735	Alloc Factors

#2 Calculation of Proposed Rates:

	Current 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			124,403	\$0.16868	\$20,984	\$0.01417	\$0.18285	\$22,747	
Tier 2		59%	217,228	\$0.09910	\$21,528	\$0.01417	\$0.11328	\$24,607	
Tier 3		32%	118,763	\$0.05460	\$6,485	\$0.01417	\$0.06877	\$8,168	
Tier 4		14%	459,341	\$0.02280	\$10,472	\$0.01417	\$0.03697	\$16,982	
			<u>919,735</u>		<u>\$59,469</u>		\$0.07883	<u>\$72,503</u>	
Total Allocated Base Margin Costs to NCCI-D					\$63,337				NCCI Detal Alloc
Plus Non-ECPT items					<u>(\$1,501)</u>				
Amount to be allocated based on current tier difference					<u>\$61,836</u>				
less customer charge revenue:									
# Customers					563				NCCI Detal Alloc
Customer Charge \$/mo					<u>\$350.00</u>				
less customer charge revenue					<u>(\$2,367)</u>				
Target Base Margin portion of Vol Rev \$000 =					<u>\$59,469</u>				
Vol revenue Check should be \$0					<u>\$0</u>				
Total Allocated Costs to NCCI-D					\$77,712				NCCI Detal Alloc
Less CSITMA Adder \$/th					\$2,843				NCCI Detal Alloc
Less GHG Adder \$/th					<u>\$0</u>				NCCI Detal Alloc
Total Allocated Costs					<u>\$74,869</u>				
Total Allocated Base Margin Costs to NCCI-D					<u>\$61,836</u>				
Total Allocated NonBase Margin Costs to NCCI-D					<u>\$13,034</u>				
Forecast AYTP Mth/yr					<u>919,735</u>				
Volumetric Rate for NonBaseMargin Items \$/th					<u>\$0.01417</u>				

SOCALGAS
EG Distribution Rate Design

2020 TCAP Application

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	308	\$50.00	\$185	308	\$50.00	\$185
Volumetric Rate (excl ITCS)	88,449	\$0.13460	\$11,905	88,449	\$0.12810	\$11,330
	88,449	\$0.13669	\$12,090	88,449	\$0.13019	\$11,515
EG Distribution Tier 2						
Customer Charge	30	\$0.00	\$0	30	\$0.00	\$0
Volumetric Rate	242,993	\$0.07423	\$18,038	242,993	\$0.07253	\$17,624
	242,993	\$0.07423	\$18,038	242,993	\$0.07253	\$17,624
EG Distribution EFBA & GHG Exempt Customers	331,442	\$0.09090	\$30,128	331,442	\$0.08792	\$29,139
EFBA & GHG Non-Exempt Rates:						
EFBA Cost Adder	330,876	\$0.00101	\$335	330,876	0.00101	\$335
GHG Cost Adder	104,031	\$0.00000	\$0	104,031	0.00000	\$0
EG-Distribution Tier 1 w/EFBA Adder		\$0.13561			0.12911	
EG-Distribution Tier 2 w/EFBA Adder		\$0.07524			0.07354	
Total EG Distribution Level	331,442	\$0.09191	\$30,463	331,442	\$0.08893	\$29,474

Calculation of Pre SempraWide EG-D Rate Excl EFBA	EG-D Tier 1	EG-D Tier 2	Total	Source
AYTP mth/yr	88,449	242,993	331,442	EG-EOR Detail Alloc
Total revenue \$000/yr	\$12,179	\$18,284	\$30,463	EG-EOR Detail Alloc
Less: AB32 Admin Fees	(89)	(246)	(335)	EG-EOR Detail Alloc
Less: GHG Fees	0	0	0	EG-EOR Detail Alloc
Total revenue net of AB32 Admin & GHG Fee \$000/yr	\$12,090	\$18,038	\$30,128	
total rate Incl Cust Chg \$/th	\$0.13669	\$0.07423	\$0.09090	
Customer Charge:				
Total Customers	308	30	338	EG-EOR Detail Alloc
Customer Charge	\$50.00	\$0.00		
Customer Charge Rev \$000/yr	\$185	\$0	\$185	
Volumetric Rate:				
Total revenue \$000/yr	\$12,090	\$18,038	\$30,128	
Less Customer Charge \$000/yr	\$185	\$0	\$185	
Volumetric Revenue \$000/yr	\$11,905	\$18,038	\$29,943	
Volumetric Rate /th	\$0.13460	\$0.07423	\$0.09034	

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	\$12,090	\$2,640	\$14,730	SDGE RD Model/EG-D Rates
Less Customer Charge Revenue w/FFU \$000	\$185	\$41	\$226	SDGE RD Model/EG-D Rates
Pre-SW Tier 1 Volumetric revenue w/FFU \$000/yr	\$11,905	\$2,598	\$14,503	
FFU rate	101.74%	102.29%		Misc Input/ SDGE RD Model
Pre-SW Tier 1 revenue w/o FFU \$000/yr	\$11,883	\$2,581	\$14,464	SDGE RD Model/EG-D Rates
Less Customer Charge Revenue w/o FFU \$000	\$182	\$40	\$222	SDGE RD Model/EG-D Rates
Pre-SW Tier 1 Volumetric revenue w/o FFU \$000/yr	\$11,702	\$2,540	\$14,242	
AYTP Mth/yr	88,449	24,662	113,111	SDGE RD Model/EG-D Rates
average SW Tier 1 rate w/o FFU \$/th			\$0.12591	
Calculate Post-SW Revenue w/o FFU:				
AYTP Mth/yr	88,449	24,662	113,111	SDGE RD Model/EG-D Rates
Post SW Tier 1 Volumetric rate w/o FFU \$/th	\$0.12591	\$0.12591	\$0.12591	
Post-SW Tier 1 Volumetric Revenue w/o FFU \$000	\$11,137	\$3,105	\$14,242	
Plus Customer Charge Revenue w/o FFU \$000	\$182	\$40	\$222	
Post-SW Tier 1 Revenue w/o FFU \$000	\$11,318	\$3,146	\$14,464	
Pre-SW Tier 1 revenue w/o FFU \$000/yr	\$11,883	\$2,581	\$14,464	
Tier 1 SW Adjustment w/o FFU \$000	(\$565)	\$565	\$0	
Calculate Post-SW Revenue w/FFU:				
AYTP Mth/yr	88,449	24,662	113,111	
Post SW Tier 1 Volumetric rate w/FFU \$/th	\$0.12810	\$0.12880	\$0.12825	
Post-SW Tier 1 Volumetric Revenue w/FFU \$000	\$11,330	\$3,176	\$14,506	
Plus Customer Charge Revenue w/FFU \$000	\$185	\$41	\$226	
Post-SW Tier 1 Revenue w/FFU \$000	\$11,515	\$3,218	\$14,733	
Pre-SW Tier 1 revenue w/FFU \$000/yr	\$12,090	\$2,640	\$14,730	
Tier 1 SW Adjustment w/FFU \$000	(\$575)	\$578	\$3	

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	\$18,038	\$2,808	\$20,845	SDGE RD Model/EG-D Rates
FFU rate	101.74%	102.29%		Misc Input/ SDGE RD Model
Pre-SW Tier 2 revenue w/oFFU \$000/yr	\$17,730	\$2,745	\$20,474	
AYTP Mth/yr	242,993	44,206	287,199	SDGE RD Model/EG-D Rates
average SW Tier 2 rate w/oFFU \$/th			\$0.07129	
Calculate Post-SW Revenue w/oFFU:				
AYTP Mth/yr	242,993	44,206	287,199	
Post SW Tier 2 rate w/o FFU \$/th	\$0.07129	\$0.07129	\$0.07129	
Post-SW Tier 2 Revenue w/o FFU \$000	\$17,323	\$3,151	\$20,474	
Pre-SW Tier 2 revenue w/oFFU \$000/yr	\$17,730	\$2,745	\$20,474	
Tier 2 SW Adjustment w/o FFU \$000	(\$407)	\$407	\$0	
Calculate Post-SW Revenue w/FFU:				
AYTP Mth/yr	242,993	44,206	287,199	
Post SW Tier 2 rate w/ FFU \$/th	\$0.07253	\$0.07293	\$0.07259	
Post-SW Tier 2 Revenue w/ FFU \$000	\$17,624	\$3,224	\$20,848	
Pre-SW Tier 2 revenue w/ FFU \$000/yr	\$18,038	\$2,808	\$20,845	
Tier 2 SW Adjustment w/ FFU \$000	(\$414)	\$416	\$2	

SUMMARY of Pre & Post SW revenue & rates w/FFU:

Pre SW Total Revenue Tier 1 & 2 w/FFU \$000	\$30,128	\$5,447	\$35,968
Post SW Total Revenue Tier 1 & 2 w/FFU \$000	\$29,139	\$6,441	\$35,973
Total SW Adjustment w/FFU \$000	(\$989)	\$994	\$5
Total AYTP Mth/yr	331,442	68,867	400,310
Pre SW Average Rate w/FFU \$/th	\$0.09090	\$0.07910	\$0.08985
Post SW Average Rate w/FFU \$/th	\$0.08792	\$0.09353	\$0.08986

SoCalGas

Transmission Level Service ("TLS") Rate Design (SFV, Volumetric & Usage rates)

2020 TCAP Application

Procedure:

- #1 Calculate Total Revenue Requirement of TLS customers excluding CARB & GHG Fees
- #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 CARB & GHG Fees

	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 Allocated Base Margin w/Sl, FFU w/o FAR, TLS	\$9,936	\$33,758		\$5,111	\$1,661	\$50,466	\$118	\$2,454	\$2,573	\$53,039
Other Operating Costs and Revenues	\$1,411	\$3,833		\$362	\$173	\$5,779	\$241	\$5,929	\$6,169	\$11,948
Regulatory Accounts	\$5,312	\$30,988		\$1,260	\$513	\$38,072	\$200	\$5,468	\$5,668	\$43,740
less CSITMA adder costs	(\$1,935)	\$0		\$0	\$0	(\$1,935)	(\$56)	\$0	(\$56)	(\$1,991)
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/o BBT, w/ FFU \$000/yr	\$14,724	\$68,579	\$0	\$6,732	\$2,347	\$92,383	\$503	\$13,851	\$14,355	\$106,737
EOR Credit to Ratepayers \$000	(\$72)	(\$246)		(\$37)	(\$12)	(\$368)	\$0	\$0	\$0	(\$368)
Removal of Costs from EOR Class \$000	\$46	\$155		\$24	\$8	\$232	\$0	\$0	\$0	\$232
Gas Engine Rate CAP adjustment	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Rev Req w/Sl, FFU w/o FAR, SW, TLS	\$14,698	\$68,489		\$6,719	\$2,342	\$92,247	\$503	\$13,851	\$14,355	\$106,602
Less: AB32 Admin Fees	(\$635)	(\$643)		\$0	\$0	(\$1,277)	(\$15)	(\$33)	(\$48)	(\$1,325)
Less: GHG Fees	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Rev Req w/Sl, w/ FFU w/o BTS, SW, TLS, w/o Adders	\$14,063	\$67,846	\$0	\$6,719	\$2,342	\$90,970	\$489	\$13,818	\$14,307	\$105,276
AYTP of TLS customers Mth/yr (8)	626,080	2,246,336		242,967	116,299	3,231,682	17,569	461,363	478,932	3,710,614
average TLS rate \$/th										\$0.02837
Remove FFU:										
FFU Rate (9)	101.74%	101.74%		101.43%	101.43%		102.29%	102.29%		
Allocated Base Margin w/oFFU	\$9,766	\$33,182		\$5,039	\$1,638	\$49,625	\$116	\$2,399	\$2,515	\$52,140
Total Rev Req w/Sl, w/o FFU, FAR, SW, TLS w/o Adders	\$13,823	\$66,687		\$6,624	\$2,309	\$89,443	\$478	\$13,508	\$13,986	\$103,429

#2 Calculation of Class Average TLS rate & Revenue w/FFU & w/o CARB & GHG Adders:

	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										\$106,602
AYTP of TLS customers Mth/yr (8)	626,080	2,246,336		242,967	116,299	3,231,682	17,569	461,363	478,932	3,710,614
average TLS rate \$/th	\$0.02873	\$0.02873		\$0.02873	\$0.02873	\$0.02873	\$0.02873	\$0.02873	\$0.02873	\$0.02873
Total Rev Req w/SI, FFU w/o FAR, SW, TLS	\$17,987	\$64,535		\$6,980	\$3,341	\$92,842	\$505	\$13,254	\$13,759	\$106,602
allocated costs excl CARB & GHG										\$105,276
AYTP of TLS customers Mth/yr (8)	626,080	2,246,336		242,967	116,299	3,231,682	17,569	461,363	478,932	3,710,614
Class Average rate w/o CARB & GHG adders	\$0.02837	\$0.02837		\$0.02837	\$0.02837	\$0.02837	\$0.02837	\$0.02837	\$0.02837	\$0.02837
	\$17,763	\$63,732		\$6,893	\$3,300	\$91,688	\$498	\$13,090	\$13,588	\$105,276
Class Average:										
allocated cost excl CARB & GHG	\$17,763	\$63,732		\$6,893	\$3,300	\$91,688	\$498	\$13,090	\$13,588	\$105,276
AYTP of TLS customers Mth/yr (8)	626,080	2,246,336		242,967	116,299	3,231,682	17,569	461,363	478,932	3,710,614
class average TLS	\$0.02837	\$0.02837		\$0.02837	\$0.02837	\$0.02837	\$0.02837	\$0.02837	\$0.02837	\$0.02837
Pre-SW TLS	\$14,063	\$67,846		\$6,719	\$2,342	\$90,970	\$489	\$13,818	\$14,307	\$105,276
Post SW TLS	\$17,763	\$63,732		\$6,893	\$3,300	\$91,688	\$498	\$13,090	\$13,588	\$105,276
SW TLS Adjustment	\$3,700	(\$4,113)		\$175	\$957	\$719	\$10	(\$728)	(\$719)	(\$0)

	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
#2a Calculate Usage Rate CA Rate										
<i>Usage Rate for CA = all NonBaseMargin costs / AYTP</i>										
Total Rev Req w/SI, w/o FFU, FAR, SW, TLS										\$103,429
less Allocated Base Margin w/o FFU										(\$52,140)
NonBaseMargin items Only w/o FFU \$000										\$51,289
AYTP of TLS customers Mth/yr (8)	626,080	2,246,336		242,967	116,299	3,231,682	17,569	461,363	478,932	3,710,614
Usage Rate for NonBase Margin Items w/o FFU \$/th	\$0.01382	\$0.01382		\$0.01382	\$0.01382		\$0.01382	\$0.01382		\$0.01382
Usage Rate NonBase Margin Items w/ FFU \$/th	\$0.01406	\$0.01406	\$0.01406	\$0.01402	\$0.01402		\$0.01414	\$0.01414		

	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
#2b Calculate Usage Rate RS Rate										

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

Calculation of Usage Rate for RS:

Total Rev Req w/Sl, w/o FFU, FAR, SW, TLS									\$103,429	
less Allocated Base Margin w/o FFU									(\$52,140)	
less Allocated ITBA Base Margin w/o FFU									\$0	
NonBaseMargin items Only w/o FFU \$000									\$51,289	
AYTP of TLS customers Mth/yr (8)	626,080	2,246,336		242,967	116,299	3,231,682	17,569	461,363	478,932	3,710,614
Usage Rate for NonBase Margin Items w/o FFU \$/th	\$0.01382	\$0.01382		\$0.01382	\$0.01382		\$0.01382	\$0.01382		\$0.01382
Usage Rate NonBase Margin Items w/ FFU \$/th	\$0.01406	\$0.01406	\$0.01406	\$0.01402	\$0.01402		\$0.01414	\$0.01414		

#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>										
<u>System capacity mmcf</u>										6,000
Mbtu/mcf										1,034
System capacity Mth/day										62,056
<u>Core, Noncore Distribution & Noncore-T peak day demand:</u>										
SCG Core Mth/day:										
average										3,043
Mbtu/mcf										1,034
SCG Core Mth/d										31,477
SDGE Core Mth/day:										
average										412
Mbtu/mcf										1,040
SCG Core Mth/d										4,286
SCG Noncore Distribution Mth/day										4,051
SDGE Noncore Distribution Mth/day										265
NonCore-T Peak Day Demand Mth/day (8)	2,005	7,463		1,356	318	11,142	48	1,690	1,738	12,880
Core, Noncore-D & Noncore-T Peak day demand Mth/day										52,960
<u>Portion of Remaining Capacity to be used:</u>										
System capacity Mth/day										62,056
Core & Noncore Distribution capacity Mth/day										52,960
remaining capacity Mth/day										9,096
% of remaining capacity to be used to set reservation rate:										
NonCore-T Peak Day Demand Mth/day										12,880
Core & Noncore Distribution capacity Mth/day										52,960
% to be used to set reservation rate										24%
amount of remaining capacity to be used to set reservation rate Mth/day										2,212
Capacity used to set reservation rate:										
NonCore-T Peak Day Demand Mth/day										12,880
amount of remaining capacity to be used to set reservation rate Mth/day										2,212
Capacity used to set reservation rate Mth/day										15,093
Total Allocated Base Margin w/SI, w/o FFU, FAR, TLS \$000										\$52,140
SEU TLS SFV Rate w/o FFU \$/th/day										\$0.00946
FFU Rate (9)	101.74%	101.74%		101.43%	101.43%		102.29%	102.29%		
SEU TLS SFV Rate w/ FFU \$/th/day	\$0.00963	\$0.00963	\$0.00963	\$0.00960	\$0.00960		\$0.00968	\$0.00968		

#4 Calculate Class Average Volumetric 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
Total Allocated Base Margin w/Sl, w/o FFU, FAR, TLS \$000										\$52,140
Total AYTP of TLS customers Mth/yr										3,710,614
SEU TLS Long Term Volumetric Rate w/o FFU \$/th										\$0.01405
FFU Rate (9)	101.74%	101.74%		101.43%	101.43%		102.29%	102.29%		
TLS Class Average Volumetric Rate w/ FFU \$/th	\$0.01430	\$0.01430	\$0.01430	\$0.01425	\$0.01425		\$0.01437	\$0.01437		

#5 Calculate 115% & 135% Volumetric Rates

	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
Class Average Volumetric Rate \$/th w/FFU	\$0.01430	\$0.01430	\$0.01430	\$0.01425	\$0.01425		\$0.01437	\$0.01437		
Usage Rate \$/th	\$0.01406	\$0.01406	\$0.01406	\$0.01402	\$0.01402		\$0.01414	\$0.01414		
Class Average Volumetric Rate \$/th w/FFU	\$0.02836	\$0.02836	\$0.02836	\$0.02827	\$0.02827		\$0.02851	\$0.02851		
% of Class Average Vol \$/th w/FFU 115.0%	\$0.03261	\$0.03261	\$0.03261	\$0.03251	\$0.03251		\$0.03279	\$0.03279		
% of Class Average Vol \$/th w/FFU 135.0%	\$0.03828	\$0.03828	\$0.03828	\$0.03817	\$0.03817		\$0.03849	\$0.03849		

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	14	916.6	9,166	\$0.02837	\$260	Aloc Factors
EG-T Tier 2	37	223,717.0	2,237,170	\$0.02837	\$63,472	EG-Detail Alloc
EOR-T	11	5,718.4	57,184	\$0.02837	\$1,622	Aloc Factors
NCCI-T	30	62,608.0	626,080	\$0.02837	\$17,763	Aloc Factors
DGN	1	11,629.9	116,299	\$0.02837	\$3,300	Aloc Factors
Vernon	1	9,689.0	96,890	\$0.02837	\$2,749	Aloc Factors
Long Beach	1	7,964.6	79,646	\$0.02837	\$2,260	Aloc Factors
SWG	1	6,643.1	66,431	\$0.02837	\$1,885	Aloc Factors
SCG Total Incl EOR	96	328,886.6	3,288,866	\$0.02837	\$93,311	
SCG Total Exclude EOR	85	323,168.2	3,231,682	\$0.02837	\$91,688	
SDGE:						
NCCI-T	9	1,756.9	17,569	\$0.02837	\$498	SDGE RD-Alloc Factors
EG-T Tier 1	3	507.4	5,074	\$0.02837	\$144	SDGE RD-Alloc Factors
EG-T Tier 2	12	45,628.9	456,289	\$0.02837	\$12,946	SDGE RD-Alloc Factors
SDGE Total	24	47,893.2	478,932	\$0.02837	\$13,588	
SEU Total (ex EOR)	109	371,061.4	3,710,614	\$0.02837	\$105,276	

#7 Verify Revenue Collections:

Total TLS Costs	\$105,276
TLS AYTP Mth/yr	3,710,614
Average TLS Rate \$/th	\$0.02837

Calculation of average VOL rate w/FFU:

Mth/yr	3,710,614
VOL Revenue w/FFU \$000	\$53,039
Avg Vol Rate w/FFU \$/th	\$0.01429

Calculation of average Usage rate w/FFU:

Mth/yr	3,710,614
VOL Usage Revenue w/FFU \$000	\$52,237
Avg Usage Rate w/FFU \$/th	\$0.01408

Calculation of average Reservation rate w/FFU:

Capacity Basis Mth/day	15,093
Reservation Costs w/FFU \$000	<u>\$53,039</u>
Avg Reservation Rate w/FFU \$/th/day	<u><u>\$0.00963</u></u>

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Res	Core C&I	NR A/C	Gas Eng	NGV
Base Margin Costs:					
Customer Cost w/o SA \$000	\$998,341	\$115,497	\$44	\$2,981	\$7,264
Medium Pressure Distribution Costs	\$469,705	\$105,960	\$12	\$717	\$2,545
High Pressure Distribution Costs	\$75,059	\$21,949	\$7	\$257	\$1,798
Backbone Transmission Costs	\$46,122	\$18,422	\$13	\$355	\$2,697
Local Transmission Costs	\$27,363	\$8,059	\$3	\$98	\$883
Storage - Seasonal	\$43,613	\$8,881	\$6	\$151	\$668
Storage - Load Balancing	\$6,903	\$2,901	\$2	\$59	\$445
Storage - TBS	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$5,203	\$865	\$0	\$14	\$51
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$2,440
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$1,672,310	\$282,534	\$87	\$4,631	\$18,791
Less Backbone Transmission Costs	(\$46,122)	(\$18,422)	(\$13)	(\$355)	(\$2,697)
Less Local Transmission Costs	(\$27,363)	(\$8,059)	(\$3)	(\$98)	(\$883)
Plus Local Transmission Costs w/SI, FFU	\$27,402	\$8,070	\$3	\$98	\$884
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,626,226	\$264,123	\$74	\$4,276	\$16,095

Other Operating Costs and Revenues	Non-ECPT?	Add FFU Y or N?	Amount to Allocate (w/o F&U)					
AB32 Fees (subtracted from base margin and allocated here)		Y	\$4,536	\$1,835	\$771	\$1	\$16	\$118
n/a								
Company Use Gas: Other		Y	\$817	\$210	\$88	\$0	\$2	\$14
Company Use Gas: Storage Load Balancing		N	\$801	\$202	\$85	\$0	\$2	\$13
AMI	Y	Y	\$31,235	\$30,272	\$1,499	\$0	\$5	\$1
Exchange Revenues & Interutility Transactions		N	\$118	\$32	\$13	\$0	\$0	\$2
Fuel Cell Equipment Revenues	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards		Y	\$0	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas		Y	\$25,514	\$12,357	\$5,192	\$4	\$105	\$797
n/a								
Well Incidents & Surface Leaks		Y	\$327	\$86	\$36	\$0	\$1	\$6
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues			\$63,348	\$44,995	\$7,684	\$5	\$131	\$951

SoCalGas Cost Allocation
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COST COMPONENTS \$000's	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E
Base Margin Costs:								
Customer Cost w/o SA \$000	\$1,124,128	\$15,085	\$5,933	\$6,261	\$1,773	\$29,052	\$587	\$840
Medium Pressure Distribution Costs	\$578,938	\$17,264	\$2,815	\$1,862	\$60	\$22,001	\$0	\$0
High Pressure Distribution Costs	\$99,070	\$12,760	\$1,147	\$3,147	\$2,180	\$19,234	\$0	\$0
Backbone Transmission Costs	\$67,609	\$26,262	\$1,669	\$44,304	\$3,976	\$76,210	\$1,375	\$22,202
Local Transmission Costs	\$36,405	\$8,488	\$525	\$15,384	\$1,337	\$25,733	\$681	\$9,587
Storage - Seasonal	\$53,319	\$0	\$0	\$0	\$0	\$0	\$0	\$6,624
Storage - Load Balancing	\$10,310	\$4,324	\$276	\$7,316	\$656	\$12,572	\$208	\$3,548
Storage - TBS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uncollectibles	\$6,133	\$262	\$38	\$244	\$0	\$544	\$0	\$0
NGV Compression Costs:	\$2,440	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$1,978,353	\$84,445	\$12,402	\$78,517	\$9,982	\$185,346	\$2,853	\$42,800
Less Backbone Transmission Costs	(\$67,609)	(\$26,262)	(\$1,669)	(\$44,304)	(\$3,976)	(\$76,210)	(\$1,375)	(\$22,202)
Less Local Transmission Costs	(\$36,405)	(\$8,488)	(\$525)	(\$15,384)	(\$1,337)	(\$25,733)	(\$681)	(\$9,587)
Plus Local Transmission Costs w/SI, FFU	\$36,456	\$8,500	\$525	\$15,406	\$1,339	\$25,770	\$682	\$0
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,910,794	\$58,195	\$10,734	\$34,235	\$6,008	\$109,172	\$1,478	\$11,012

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$2,741	\$1,150	\$62	\$662	\$0	\$1,874	\$0	\$0
n/a								
Company Use Gas: Other	\$313	\$131	\$8	\$222	\$20	\$382	\$6	\$108
Company Use Gas: Storage Load Balancing	\$302	\$127	\$8	\$214	\$19	\$368	\$6	\$104
AMI	\$31,778	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$47	\$18	\$1	\$31	\$0	\$51	\$1	\$16
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	\$18,455	\$1,903	\$121	\$3,220	\$284	\$5,529	\$91	\$1,557
n/a								
Well Incidents & Surface Leaks	\$128	\$54	\$3	\$91	\$0	\$148	\$3	\$44
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirer	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$53,765	\$3,383	\$205	\$4,441	\$323	\$8,352	\$107	\$1,828

SoCalGas Cost Allocation
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COST COMPONENTS \$000's	Sout West		Total	DGN	TBS	Total Non	Total System	
	Gas	Vernon	Whole sale			Core	\$000	
Base Margin Costs:								
Customer Cost w/o SA \$000	\$595	\$385	\$2,408	\$179	\$0	\$31,639	\$1,155,766	
Medium Pressure Distribution Costs	\$0	\$0	\$0	\$0	\$0	\$22,001	\$600,939	
High Pressure Distribution Costs	\$0	\$0	\$0	\$0	\$0	\$19,234	\$118,304	
Backbone Transmission Costs	\$1,129	\$1,633	\$26,339	\$1,569	\$0	\$104,118	\$171,727	
Local Transmission Costs	\$720	\$556	\$11,545	\$522	\$0	\$37,800	\$74,206	
Storage - Seasonal	\$0	\$0	\$6,624	\$0	\$0	\$6,624	\$59,943	
Storage - Load Balancing	\$185	\$270	\$4,212	\$259	\$0	\$17,043	\$27,353	
Storage - TBS	\$0	\$0	\$0	\$0	\$23,290	\$23,290	\$23,290	
Uncollectibles	\$0	\$0	\$0	\$0	\$0	\$544	\$6,677	
NGV Compression Costs:	\$0	\$0	\$0	\$0	\$0	\$0	\$2,440	
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$2,630	\$2,844	\$51,127	\$2,529	\$23,290	\$262,293	\$2,240,645	
Less Backbone Transmission Costs	(\$1,129)	(\$1,633)	(\$26,339)	(\$1,569)	\$0	(\$104,118)	(\$171,727)	
Less Local Transmission Costs	(\$720)	(\$556)	(\$11,545)	(\$522)	\$0	(\$37,800)	(\$74,206)	
Plus Local Transmission Costs w/SI, FFU	\$722	\$557	\$1,961	\$523	\$0	\$28,253	\$64,710	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,502	\$1,212	\$15,204	\$961	\$23,290	\$148,628	\$2,059,422	

Other Operating Costs and Revenues								F&U Amount
								\$000
AB32 Fees (subtracted from base margin and allocated here)	\$0	\$0	\$0	\$0	\$0	\$1,874	\$4,615	\$79
n/a								
Company Use Gas: Other	\$6	\$8	\$128	\$8	\$0	\$517	\$831	\$13
Company Use Gas: Storage Load Balancing	\$5	\$8	\$123	\$8	\$0	\$499	\$801	\$0
AMI	\$0	\$0	\$0	\$0	\$0	\$0	\$31,778	\$543
Exchange Revenues & Interutility Transactions	\$1	\$1	\$18	\$1	\$0	\$70	\$118	\$0
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	\$81	\$118	\$1,848	\$114	\$0	\$7,491	\$25,946	\$432
n/a								
Well Incidents & Surface Leaks	\$2	\$3	\$52	\$3	\$0	\$204	\$332	\$6
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirer	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$95	\$139	\$2,170	\$133	\$0	\$10,655	\$64,420	\$1,073

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COST COMPONENTS \$000's	Source	Allocation
Base Margin Costs:		
Customer Cost w/o SA \$000	CA Model	
Medium Pressure Distribution Costs	CA Model	
High Pressure Distribution Costs	CA Model	
Backbone Transmission Costs	CA Model	
Local Transmission Costs	CA Model	
Storage - Seasonal	CA Model	
Storage - Load Balancing	CA Model	
Storage - TBS	CA Model	
Uncollectibles	CA Model	
NGV Compression Costs:	CA Model	
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	SI & FAR	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU		

Other Operating Costs and Revenues	Total Allocated \$000		
AB32 Fees (subtracted from base margin and allocated here)	\$4,536	Misc Input	ECPT AB32 Fee Non-Exempt
n/a			
Company Use Gas: Other	\$817	Misc Input	ECPT Incl EOR
Company Use Gas: Storage Load Balancing	\$801	Misc Input	ECPT Incl EOR
AMI	\$31,235	AMI Decision	Core Avg Meter Count 2009-2015
Exchange Revenues & Interutility Transactions	\$118	Deamnd FC 1/14/2008	CYTP ExEOR
Fuel Cell Equipment Revenues	\$0	Mkt Dept 1/22/2008	EPAM ExEOR
Marketing: DSM Program Awards	\$0	2008RD Model	Core ECPT
Unaccounted For (UAF) Gas	\$25,514	Misc Input	Method - 71% core @ ECPT / 29% noncore @ ECPT (i
n/a			
Well Incidents & Surface Leaks	\$327	Misc Input	Allocate Core=Storage Inv NonCore=LB Inv=ECPT Ex
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirer	\$0	Misc Input	ECPT ExEOR
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	Misc Input	ECPT GHG Fee Non-Exempt
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	Misc Input	Method - 71% core @ ECPT / 29% noncore @ ECPT (i
Subtotal Other Operating Costs and Revenues	\$63,348		

SoCalGas Cost Allocation
July, 2018 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
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											
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%	39.8%	16.7%	0.0%	0.3%	2.6%	59.4%	24.9%	1.4%	14.3%	0.0%
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%
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%
AMI	100.0%	95.3%	4.7%	0.0%	0.0%	0.0%	100.0%	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%
Fuel Cell Equipment Revenues	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
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%
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%
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%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirer	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	100.0%	58.0%	24.4%	0.0%	0.5%	3.7%	86.6%	10.3%	1.9%	1.2%	0.0%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	100.0%	47.6%	20.0%	0.0%	0.4%	3.1%	71.1%	7.3%	0.5%	12.4%	1.1%
Subtotal Other Operating Costs and Revenues	100.0%	69.8%	11.9%	0.0%	0.2%	1.5%	83.5%	5.3%	0.3%	6.9%	0.5%

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COST COMPONENTS \$000's	Total Retail Non Core	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									
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)	40.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	40.6%
n/a									
Company Use Gas: Other	46.0%	0.8%	13.0%	0.7%	1.0%	15.4%	0.9%	0.0%	62.3%
Company Use Gas: Storage Load Balancing	46.0%	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%	0.0%
Exchange Revenues & Interutility Transactions	43.1%	0.8%	13.2%	0.7%	1.0%	15.7%	0.9%	0.0%	59.7%
Fuel Cell Equipment Revenues	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	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%	0.0%
Unaccounted For (UAF) Gas	21.3%	0.4%	6.0%	0.3%	0.5%	7.1%	0.4%	0.0%	28.9%
n/a									
Well Incidents & Surface Leaks	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirer	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	13.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.4%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	21.3%	0.4%	6.0%	0.3%	0.5%	7.1%	0.4%	0.0%	28.9%
Subtotal Other Operating Costs and Revenues	13.0%	0.2%	2.8%	0.1%	0.2%	3.4%	0.2%	0.0%	16.5%

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NCCI Allocation

COST COMPONENTS \$000's	Total Allocated to NCCI	NCCI-D	NCCI-T	Total Allocated to NCCI	Allocation Method
Base Margin Costs:					
Customer Cost w/o SA \$000	\$15,085	\$14,167	\$918	\$15,085	
Medium Pressure Distribution Costs	\$17,264	\$17,264	\$0	\$17,264	
High Pressure Distribution Costs	\$12,760	\$12,760	\$0	\$12,760	
Backbone Transmission Costs	\$26,262	\$14,924	\$11,338	\$26,262	
Local Transmission Costs	\$8,488	\$4,652	\$3,836	\$8,488	
Storage - Seasonal	\$0	\$0	\$0	\$0	
Storage - Load Balancing	\$4,324	\$2,452	\$1,872	\$4,324	
Storage - TBS	\$0	\$0	\$0	\$0	
Uncollectibles	\$262	\$206	\$56	\$262	
NGV Compression Costs:	\$0	\$0	\$0	\$0	
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$84,445	\$66,425	\$18,019	\$84,445	
Less Backbone Transmission Costs	(\$26,262)	(\$14,924)	(\$11,338)	(\$26,262)	
Less Local Transmission Costs	(\$8,488)	(\$4,652)	(\$3,836)	(\$8,488)	
Plus Local Transmission Costs w/SI, FFU	\$8,500	\$4,658	\$3,841	\$8,500	% CYPM
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$58,195	\$51,508	\$6,687	\$58,195	

Other Operating Costs and Revenues

Non-ECPT?

AB32 Fees (subtracted from base margin and allocated here)		\$1,150	\$652	\$498	\$1,150	% AYTP
n/a		\$0	\$0	\$0	\$0	% AYTP
Company Use Gas: Other		\$131	\$75	\$57	\$131	% AYTP
Company Use Gas: Storage Load Balancing		\$127	\$72	\$55	\$127	% AYTP
AMI	Y	\$0	\$0	\$0	\$0	N/A
Exchange Revenues & Interutility Transactions		\$18	\$10	\$8	\$18	% CYTP
Fuel Cell Equipment Revenues	Y	\$0	\$0	\$0	\$0	EPAM NonCore C&I
Marketing: DSM Program Awards		\$0	\$0	\$0	\$0	% AYTP
Unaccounted For (UAF) Gas		\$1,903	\$1,079	\$824	\$1,903	% AYTP
n/a		\$0	\$0	\$0	\$0	% AYTP
Well Incidents & Surface Leaks		\$54	\$29	\$24	\$54	% CYPM
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirer		\$0	\$0	\$0	\$0	% AYTP
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement		\$0	\$0	\$0	\$0	% AYTP
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement		\$0	\$0	\$0	\$0	% AYTP
Subtotal Other Operating Costs and Revenues		\$3,383	\$1,918	\$1,465	\$3,383	

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EG Allocation

COST COMPONENTS \$000's	<u>Allocation Factors</u>			<u>Separate Distribution from Transmission</u>				
	Total %	NCCI - D	NCCI - T	Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1	EG-D Tier 2
Base Margin Costs:								
Customer Cost w/o SA \$000				\$5,933	\$6,261	\$12,194	\$5,520	\$2,520
Medium Pressure Distribution Costs				\$2,815	\$1,862	\$4,677	\$2,815	\$1,862
High Pressure Distribution Costs				\$1,147	\$3,147	\$4,294	\$1,147	\$3,147
Backbone Transmission Costs				\$1,669	\$44,304	\$45,973	\$1,325	\$3,569
Local Transmission Costs				\$525	\$15,384	\$15,909	\$418	\$1,147
Storage - Seasonal				\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing				\$276	\$7,316	\$7,591	\$219	\$589
Storage - TBS				\$0	\$0	\$0	\$0	\$0
Uncollectibles				\$38	\$244	\$282	\$36	\$40
NGV Compression Costs:				\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU				\$12,402	\$78,517	\$90,920	\$11,479	\$12,875
Less Backbone Transmission Costs				(\$1,669)	(\$44,304)	(\$45,973)	(\$1,325)	(\$3,569)
Less Local Transmission Costs				(\$525)	(\$15,384)	(\$15,909)	(\$418)	(\$1,147)
				\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI, FFU	100%	55%	45%	\$525	\$15,406	\$15,931	\$419	\$1,149
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU				\$10,734	\$34,235	\$44,969	\$10,154	\$9,308

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	100%	57%	43%	\$62	\$662	\$724	\$58	\$156
n/a	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Company Use Gas: Other	100%	57%	43%	\$8	\$222	\$231	\$7	\$18
Company Use Gas: Storage Load Balancing	100%	57%	43%	\$8	\$214	\$222	\$6	\$17
AMI	0%	0%	0%	\$0	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	100%	57%	43%	\$1	\$31	\$32	\$1	\$3
Fuel Cell Equipment Revenues	100%	89%	11%	\$0	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	100%	57%	43%	\$121	\$3,220	\$3,341	\$96	\$259
n/a	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	100%	55%	45%	\$3	\$91	\$94	\$2	\$7
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirer	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	100%	81%	19%	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues				\$205	\$4,441	\$4,646	\$170	\$460

SoCalGas Cost Allocation
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COST COMPONENTS \$000's	Total Allocated to		Allocation Method	Total %	EG-D 1	Tier	EG-D Tier 2
	EG-T	EG					
Base Margin Costs:							
Customer Cost w/o SA \$000	\$4,154	\$12,194					
Medium Pressure Distribution Costs	\$0	\$4,677					
High Pressure Distribution Costs	\$0	\$4,294					
Backbone Transmission Costs	\$41,078	\$45,973					
Local Transmission Costs	\$14,343	\$15,909					
Storage - Seasonal	\$0	\$0					
Storage - Load Balancing	\$6,783	\$7,591					
Storage - TBS	\$0	\$0					
Uncollectibles	\$207	\$282					
NGV Compression Costs:	\$0	\$0					
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$66,565	\$90,920					
Less Backbone Transmission Costs	(\$41,078)	(\$45,973)					
Less Local Transmission Costs	(\$14,343)	(\$15,909)					
	\$0	\$0	%CYTP	100%	2.9%		7.8%
Plus Local Transmission Costs w/SI, FFU	\$14,363	\$15,931	%CYPM	100%	2.6%		7.2%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$25,507	\$44,969					

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$511	\$724	ECPT excluding exempt EG	100%	7.9%		21.5%
n/a	\$0	\$0	%AYTP	100%	2.9%		7.8%
Company Use Gas: Other	\$206	\$231	%AYTP	100%	2.9%		7.8%
Company Use Gas: Storage Load Balancing	\$199	\$222	%AYTP	100%	2.9%		7.8%
AMI	\$0	\$0	N/A	0%	0.0%		0.0%
Exchange Revenues & Interutility Transactions	\$29	\$32	%CYTP	100%	2.9%		7.8%
Fuel Cell Equipment Revenues	\$0	\$0	EPAM NonCore C&I	100%	22.6%		20.7%
Marketing: DSM Program Awards	\$0	\$0	%AYTP	100%	2.9%		7.8%
Unaccounted For (UAF) Gas	\$2,986	\$3,341	%AYTP	100%	2.9%		7.8%
n/a	\$0	\$0	%AYTP	100%	2.9%		7.8%
Well Incidents & Surface Leaks	\$85	\$94	%CYPM	100%	2.6%		7.2%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirer	\$0	\$0	%AYTP	100%	2.9%		7.8%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	ECPT excluding exempt EG	100%	49.5%		19.6%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	%AYTP	100%	2.9%		7.8%
Subtotal Other Operating Costs and Revenues	\$4,015	\$4,646					

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COST COMPONENTS \$000's	EG-T
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	
Uncollectibles	
NGV Compression Costs:	
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	
Less Backbone Transmission Costs	
Less Local Transmission Costs	
	89.4%
Plus Local Transmission Costs w/SI, FFU	90.2%
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)	70.5%
n/a	89.4%
Company Use Gas: Other	89.4%
Company Use Gas: Storage Load Balancing	89.4%
AMI	0.0%
Exchange Revenues & Interutility Transactions	89.4%
Fuel Cell Equipment Revenues	56.7%
Marketing: DSM Program Awards	89.4%
Unaccounted For (UAF) Gas	89.4%
n/a	89.4%
Well Incidents & Surface Leaks	90.2%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirer	89.4%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	30.9%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	89.4%
Subtotal Other Operating Costs and Revenues	

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COST COMPONENTS \$000's

				Res	Core C&I	NR A/C	Gas Eng	NGV
Regulatory Accounts								
Affiliate Transfer Fee Account (ATFA)	Y	Y	(\$157)	(\$128)	(\$21)	(\$0)	(\$0)	(\$1)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	Y	Y	(\$35)	(\$28)	(\$5)	(\$0)	(\$0)	(\$0)
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)		Y	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)		Y	\$279	\$74	\$206	\$0	\$3	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Y	N	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees		N	\$0	\$0	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	Y	Y	(\$204)	(\$166)	(\$27)	(\$0)	(\$0)	(\$2)
Firm Access & Storage Rights Memorandum Account (FARSMA)		Y	\$0	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account - Non NGV (CFCA)		Y	\$133,930	\$95,352	\$40,064	\$30	\$810	\$0
Core Fixed Cost Account - NGV (CFCA)		Y	\$824	\$0	\$0	\$0	\$0	\$838
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)		Y	\$732	\$0	\$0	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)		Y	\$13,625	\$5,550	\$3,107	\$2	\$64	\$484
Enhanced Oil Recovery Account (EORA)	Y	Y	(\$4,274)	(\$3,483)	(\$566)	(\$0)	(\$9)	(\$34)
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)		Y	\$5,653	\$2,435	\$717	\$0	\$9	\$79
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		Y	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User		Y	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF		Y	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)		Y	\$1,372	\$361	\$152	\$0	\$3	\$23
Intervenor Award Memorandum Account (IAMA)		Y	\$1,069	\$281	\$118	\$0	\$2	\$18
Gain / Loss on Sale Memorandum Account (GLOSMA)	Y	Y	\$220	\$180	\$29	\$0	\$0	\$2
PCB Expense Account (PCBEA)		Y	\$0	\$0	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	Y	Y	\$5,342	\$4,353	\$707	\$0	\$11	\$43
Montebello True-Up Tracking Account (MTTA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	\$1,493	\$604	\$254	\$0	\$5	\$39
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$138	\$112	\$18	\$0	\$0	\$1
Noncore Fixed Cost Account (NFCA) Margin	Y	Y	(\$4,023)	\$0	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Nonmargin		Y	\$850	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Balancing Account (ITBA) Margin		Y	\$2,114	\$681	\$272	\$0	\$5	\$40
Integrated Transmission Balancing Account (ITBA) Nonmargin		Y	\$0	\$0	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)		Y	\$1,670	\$538	\$215	\$0	\$4	\$31

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COST COMPONENTS \$000's	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E
<u>Regulatory Accounts</u>								
Affiliate Transfer Fee Account (ATFA)	(\$150)	(\$5)	(\$1)	(\$3)	\$0	(\$8)	(\$0)	(\$1)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	(\$33)	(\$1)	(\$0)	(\$1)	\$0	(\$2)	(\$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)	\$283	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$195)	(\$6)	(\$1)	(\$3)	\$0	(\$11)	(\$0)	(\$1)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account - Non NGV (CFCA)	\$136,257	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account - NGV (CFCA)	\$838	\$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	\$745	\$0	\$0	\$0	\$745	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$9,207	\$4,655	\$0	\$0	\$0	\$4,655	\$0	\$0
Enhanced Oil Recovery Account (EORA)	(\$4,092)	(\$125)	(\$23)	(\$73)	\$0	(\$221)	(\$3)	(\$24)
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 - Local T)	\$3,240	\$755	\$47	\$1,369	\$117	\$2,288	\$60	\$0
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$539	\$226	\$14	\$383	\$0	\$623	\$11	\$185
Intervenor Award Memorandum Account (IAMA)	\$420	\$176	\$11	\$298	\$0	\$486	\$8	\$144
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$211	\$6	\$1	\$4	\$0	\$11	\$0	\$1
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$5,115	\$156	\$29	\$92	\$0	\$276	\$4	\$29
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$902	\$378	\$21	\$218	\$0	\$617	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$132	\$4	\$1	\$2	\$0	\$7	\$0	\$1
Noncore Fixed Cost Account (NFCA) Margin	\$0	(\$1,996)	(\$368)	(\$1,174)	\$0	(\$3,538)	(\$51)	(\$377)
Noncore Fixed Cost Account (NFCA) Nonmargin	\$0	\$228	\$15	\$386	\$0	\$629	\$11	\$187
Integrated Transmission Balancing Account (ITBA) Margin	\$999	\$388	\$25	\$655	\$0	\$1,067	\$20	\$0
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$789	\$307	\$19	\$517	\$0	\$843	\$16	\$0

SoCalGas Cost Allocation
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COST COMPONENTS \$000's	Sout West		Total	DGN	TBS	Total Non	Total System	
	Gas	Vernon	Whole sale			Core	\$000	
Regulatory Accounts								
Affiliate Transfer Fee Account (ATFA)	(\$0)	(\$0)	(\$1)	(\$0)	\$0	(\$9)	(\$160)	(\$3)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	(\$0)	(\$0)	(\$0)	(\$0)	\$0	(\$2)	(\$36)	(\$1)
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	\$283	\$5
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$0)	(\$0)	(\$2)	(\$0)	\$0	(\$12)	(\$207)	(\$4)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account - Non NGV (CFCA)	\$0	\$0	\$0	\$0	\$0	\$0	\$136,257	\$2,326
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0	\$0	\$0	\$0	\$838	\$14
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	\$745	\$745	\$13
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$0	\$0	\$0	\$0	\$4,655	\$13,862	\$237
Enhanced Oil Recovery Account (EORA)	(\$3)	(\$3)	(\$32)	(\$2)	\$0	(\$255)	(\$4,348)	(\$74)
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 - Local T)	\$64	\$49	\$174	\$46	\$0	\$2,508	\$5,749	\$96
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$10	\$14	\$220	\$14	\$0	\$856	\$1,396	\$23
Intervenor Award Memorandum Account (IAMA)	\$8	\$11	\$171	\$11	\$0	\$667	\$1,087	\$18
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$2	\$0	\$0	\$13	\$224	\$4
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$4	\$3	\$41	\$3	\$0	\$319	\$5,435	\$93
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	\$617	\$1,519	\$26
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$1	\$0	\$0	\$8	\$140	\$2
Noncore Fixed Cost Account (NFCA) Margin	(\$51)	(\$41)	(\$520)	(\$33)	\$0	(\$4,091)	(\$4,091)	(\$68)
Noncore Fixed Cost Account (NFCA) Nonmargin	\$10	\$14	\$222	\$14	\$0	\$864	\$864	\$14
Integrated Transmission Balancing Account (ITBA) Margin	\$17	\$24	\$61	\$23	\$0	\$1,151	\$2,150	\$36
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$13	\$19	\$48	\$18	\$0	\$910	\$1,699	\$29

SoCalGas Cost Allocation
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COST COMPONENTS \$000's		Source	Allocation
<u>Regulatory Accounts</u>			
Affiliate Transfer Fee Account (ATFA)	(\$157)	Reg. Acct Filing 10/2017	EPAM ExEOR
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	(\$35)	Reg. Acct Filing 10/2017	EPAM, to be updated w/ % core-noncore revenue
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	Reg. Acct Filing 10/2017	ECPT ExEOR
Disconnect Memorandum Account (DMA)	\$0	Reg. Acct Filing 10/2017	100% Residential
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$279	Reg. Acct Filing 10/2017	ECPT CAT Only
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0	Reg. Acct Filing 10/2017	EPAM ExEOR
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	Reg. Acct Filing 10/2017	EPAM ExEOR
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$204)	Reg. Acct Filing 10/2017	EPAM ExEOR
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	Reg. Acct Filing 10/2017	ECPT ExEOR
Core Fixed Cost Account - Non NGV (CFCA)	\$133,930	Reg. Acct Filing 10/2017	Core ECPT except NGV
Core Fixed Cost Account - NGV (CFCA)	\$824	Reg. Acct Filing 10/2017	NGV Only
On-Bill Financing Balancing Account (OBFBA)	\$0	Reg. Acct Filing 10/2017	EPAM ExEOR
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$732	Reg. Acct Filing 10/2017	100% Noncore C&I
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$13,625	Reg. Acct Filing 10/2017	ECPT ex CARE Participants & EOR
Enhanced Oil Recovery Account (EORA)	(\$4,274)	Reg. Acct Filing 10/2017	EORA Allocation Factor
Environmental Fee Balance Account EFBA	\$0	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	Reg. Acct Filing 10/2017	EPAM ExEOR
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)	\$5,653	Reg. Acct Filing 10/2017	CYPM System Excl. Wholesale
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	Reg. Acct Filing 10/2017	ECPT ExEOR
Green House Gas Balancing Account (GHGBA) - End User	\$0	Reg. Acct Filing 10/2017	ECPT GHG Fee Non-Exempt
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	Reg. Acct Filing 10/2017	Method - 71% core @ ECPT / 29% noncore @ ECPT (i
Hazardous Substance Cost-Recovery Account (HSCRA)	\$1,372	Reg. Acct Filing 10/2017	ECPT ExEOR
Intervenor Award Memorandum Account (IAMA)	\$1,069	Reg. Acct Filing 10/2017	ECPT ExEOR
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$220	Reg. Acct Filing 10/2017	EPAM Excl EOR
PCB Expense Account (PCBEA)	\$0	Reg. Acct Filing 10/2017	ECPT ExEOR
Master Meter Balancing Account (MMBA)	\$5,342	Reg. Acct Filing 10/2017	EPAM Excl EOR
Montebello True-Up Tracking Account (MTTA)	\$0	Reg. Acct Filing 10/2017	MTTA Allocation Factor
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$1,493	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	Reg. Acct Filing 10/2017	EPAM ExEOR
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$138	Reg. Acct Filing 10/2017	EPAM ExEOR
Noncore Fixed Cost Account (NFCA) Margin	(\$4,023)	Reg. Acct Filing 10/2017	NonCore EPAM ExEOR
Noncore Fixed Cost Account (NFCA) Nonmargin	\$850	Reg. Acct Filing 10/2017	NonCore ECPT ExEOR
Integrated Transmission Balancing Account (ITBA) Margin	\$2,114	Reg. Acct Filing 10/2017	CYTP Excl. EOR & SDG&E
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	Reg. Acct Filing 10/2017	CYTP Excl. EOR & SDG&E
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$1,670	Reg. Acct Filing 10/2017	CYTP Excl. EOR & SDG&E

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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
<u>Regulatory Accounts</u>											
Affiliate Transfer Fee Account (ATFA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
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%
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%
FERC Settlement Proceeds Memorandum Account (FSPMA)	100.0%	26.3%	72.8%	0.0%	0.9%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
GRCRRMA Sub allocation for AB32 Admin Fees	100.0%	39.8%	16.7%	0.0%	0.3%	2.6%	59.4%	24.9%	1.4%	14.3%	0.0%
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
Distributed Energy Resources Svcs Bal Account (DERSBA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
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%
Core Fixed Cost Account - Non NGV (CFCA)	100.0%	70.0%	29.4%	0.0%	0.6%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
Core Fixed Cost Account - NGV (CFCA)	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
On-Bill Financing Balancing Account (OBFBA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
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%
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%
Enhanced Oil Recovery Account (EORA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
Environmental Fee Balance Account EFBA	100.0%	39.8%	16.7%	0.0%	0.3%	2.6%	59.4%	24.9%	1.4%	14.3%	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)	100.0%	42.3%	12.5%	0.0%	0.2%	1.4%	56.3%	13.1%	0.8%	23.8%	2.1%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%
Green House Gas Balancing Account (GHGBA) - End User	100.0%	58.0%	24.4%	0.0%	0.5%	3.7%	86.6%	10.3%	1.9%	1.2%	0.0%
Green House Gas Balancing Account (GHGBA) - LUF	100.0%	47.6%	20.0%	0.0%	0.4%	3.1%	71.1%	7.3%	0.5%	12.4%	1.1%
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%
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%
Gain / Loss on Sale Memorandum Account (GLOSMA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
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%
Master Meter Balancing Account (MMBA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
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%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	100.0%	39.8%	16.7%	0.0%	0.3%	2.6%	59.4%	24.9%	1.4%	14.3%	0.0%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
Noncore Fixed Cost Account (NFCA) Margin	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	48.8%	9.0%	28.7%	0.0%
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%
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%
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%
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%

SoCalGas Cost Allocation
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COST COMPONENTS \$000's	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
<u>Regulatory Accounts</u>									
Affiliate Transfer Fee Account (ATFA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	44.6%	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%	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 (GRCMA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
GRCRRMA Sub allocation for AB32 Admin Fees	40.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	40.6%
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Distributed Energy Resources Svcs Bal Account (DERSBA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Firm Access & Storage Rights Memorandum Account (FARSMA)	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Core Fixed Cost Account - Non NGV (CFCA)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Core Fixed Cost Account - NGV (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)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Economic Practicality Shortfall Memorandum Account (EPSMA)	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
California Solar Initiative Thermal Memorandum Account (CSITPMA)	33.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	33.6%
Enhanced Oil Recovery Account (EORA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Environmental Fee Balance Account EFBA	40.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	40.6%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)	39.8%	1.1%	0.0%	1.1%	0.9%	3.0%	0.8%	0.0%	43.7%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Green House Gas Balancing Account (GHGBA) - End User	13.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.4%
Green House Gas Balancing Account (GHGBA) - LUAF	21.3%	0.4%	6.0%	0.3%	0.5%	7.1%	0.4%	0.0%	28.9%
Hazardous Substance Cost-Recovery Account (HSCRA)	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Intervenor Award Memorandum Account (IAMA)	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Gain / Loss on Sale Memorandum Account (GLOSMA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
PCB Expense Account (PCBEA)	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Master Meter Balancing Account (MMBA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Montebello True-Up Tracking Account (MTTA)	21.8%	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	40.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	40.6%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Noncore Fixed Cost Account (NFCA) Margin	86.5%	1.2%	9.2%	1.3%	1.0%	12.7%	0.8%	0.0%	100.0%
Noncore Fixed Cost Account (NFCA) Nonmargin	72.7%	1.3%	21.7%	1.1%	1.6%	25.7%	1.6%	0.0%	100.0%
Integrated Transmission Balancing Account (ITBA) Margin	49.6%	0.9%	0.0%	0.8%	1.1%	2.8%	1.1%	0.0%	53.5%
Integrated Transmission Balancing Account (ITBA) Nonmargin	49.6%	0.9%	0.0%	0.8%	1.1%	2.8%	1.1%	0.0%	53.5%
Compressor Station Fuel and Power Balancing Account (CFPBA)	49.6%	0.9%	0.0%	0.8%	1.1%	2.8%	1.1%	0.0%	53.5%

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NCCI Allocation

COST COMPONENTS \$000's		Total Allocated to NCCI	NCCI-D	NCCI-T	Total Allocated to NCCI	Allocation Method
<u>Regulatory Accounts</u>						
Affiliate Transfer Fee Account (ATFA)	Y	(\$5)	(\$4)	(\$1)	(\$5)	EPAM NonCore C&I
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	Y	(\$1)	(\$1)	(\$0)	(\$1)	EPAM NonCore C&I
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)		\$0	\$0	\$0	\$0	% AYTP
Disconnect Memorandum Account (DMA)		\$0	\$0	\$0	\$0	100% Res
FERC Settlement Proceeds Memorandum Account (FSPMA)		\$0	\$0	\$0	\$0	ECPT CORE
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Y	\$0	\$0	\$0	\$0	EPAM NonCore C&I
GRCRRMA Sub allocation for AB32 Admin Fees		\$0	\$0	\$0	\$0	% AYTP
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	Y	\$0	\$0	\$0	\$0	EPAM NonCore C&I
Distributed Energy Resources Svcs Bal Account (DERSBA)	Y	(\$6)	(\$5)	(\$1)	(\$6)	EPAM NonCore C&I
Firm Access & Storage Rights Memorandum Account (FARSMA)		\$0	\$0	\$0	\$0	% AYTP
Core Fixed Cost Account - Non NGV (CFCA)		\$0	\$0	\$0	\$0	% AYTP
Core Fixed Cost Account - NGV (CFCA)		\$0	\$0	\$0	\$0	% AYTP
On-Bill Financing Balancing Account (OBFBA)	Y	\$0	\$0	\$0	\$0	EPAM NonCore C&I
Economic Practicality Shortfall Memorandum Account (EPSMA)		\$745	\$422	\$322	\$745	% AYTP
California Solar Initiative Thermal Memorandum Account (CSITPMA)		\$4,655	\$2,640	\$2,015	\$4,655	% AYTP
Enhanced Oil Recovery Account (EORA)	Y	(\$125)	(\$110)	(\$14)	(\$125)	EPAM NonCore C&I
Environmental Fee Balance Account EFBA		\$0	\$0	\$0	\$0	% AYTP
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	\$0	\$0	\$0	\$0	EPAM NonCore C&I
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)		\$755	\$414	\$341	\$755	% CYPM
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		\$0	\$0	\$0	\$0	% AYTP
Green House Gas Balancing Account (GHGBA) - End User		\$0	\$0	\$0	\$0	% AYTP
Green House Gas Balancing Account (GHGBA) - LUAF		\$0	\$0	\$0	\$0	% AYTP
Hazardous Substance Cost-Recovery Account (HSCRA)		\$226	\$128	\$98	\$226	% AYTP
Intervenor Award Memorandum Account (IAMA)		\$176	\$100	\$76	\$176	% AYTP
Gain / Loss on Sale Memorandum Account (GLOSMA)	Y	\$6	\$6	\$1	\$6	EPAM NonCore C&I
PCB Expense Account (PCBEA)		\$0	\$0	\$0	\$0	% AYTP
Master Meter Balancing Account (MMBA)	Y	\$156	\$138	\$18	\$156	EPAM NonCore C&I
Montebello True-Up Tracking Account (MTTA)	Y	\$0	\$0	\$0	\$0	% AYTP
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	Y	\$378	\$215	\$164	\$378	% AYTP
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	\$0	\$0	\$0	\$0	EPAM NonCore C&I
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	\$4	\$4	\$0	\$4	EPAM NonCore C&I
Noncore Fixed Cost Account (NFCA) Margin	Y	(\$1,996)	(\$1,767)	(\$229)	(\$1,996)	EPAM NonCore C&I
Noncore Fixed Cost Account (NFCA) Nonmargin		\$228	\$129	\$99	\$228	% AYTP
Integrated Transmission Balancing Account (ITBA) Margin		\$388	\$220	\$168	\$388	% CYTP
Integrated Transmission Balancing Account (ITBA) Nonmargin		\$0	\$0	\$0	\$0	% CYTP
Compressor Station Fuel and Power Balancing Account (CFPBA)		\$307	\$174	\$132	\$307	% CYTP

SoCalGas Cost Allocation
July, 2018 Rates

EG Allocation

COST COMPONENTS \$000's	<u>Allocation Factors</u>			<u>Separate Distribution from Transmission</u>				
	Total %	NCCI - D	NCCI - T	Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1	EG-D Tier 2
<u>Regulatory Accounts</u>								
Affiliate Transfer Fee Account (ATFA)	100%	89%	11%	(\$1)	(\$3)	(\$4)	(\$1)	(\$1)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	100%	89%	11%	(\$0)	(\$1)	(\$1)	(\$0)	(\$0)
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	100%	57%	43%	\$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 (GRCMA)	100%	89%	11%	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	100%	89%	11%	\$0	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	100%	89%	11%	(\$1)	(\$3)	(\$5)	(\$1)	(\$1)
Firm Access & Storage Rights Memorandum Account (FARSMA)	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account - Non NGV (CFCA)	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Core Fixed Cost Account - NGV (CFCA)	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	100%	89%	11%	\$0	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Enhanced Oil Recovery Account (EORA)	100%	89%	11%	(\$23)	(\$73)	(\$96)	(\$22)	(\$20)
Environmental Fee Balance Account EFBA	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	100%	89%	11%	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)	100%	55%	45%	\$47	\$1,369	\$1,416	\$37	\$102
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	100%	81%	19%	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	100%	57%	43%	\$14	\$383	\$397	\$11	\$31
Intervenor Award Memorandum Account (IAMA)	100%	57%	43%	\$11	\$298	\$309	\$9	\$24
Gain / Loss on Sale Memorandum Account (GLOSMA)	100%	89%	11%	\$1	\$4	\$5	\$1	\$1
PCB Expense Account (PCBEA)	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	100%	89%	11%	\$29	\$92	\$120	\$27	\$25
Montebello True-Up Tracking Account (MTTA)	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	100%	57%	43%	\$21	\$218	\$238	\$19	\$51
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	100%	89%	11%	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	100%	89%	11%	\$1	\$2	\$3	\$1	\$1
Noncore Fixed Cost Account (NFCA) Margin	100%	89%	11%	(\$368)	(\$1,174)	(\$1,542)	(\$348)	(\$319)
Noncore Fixed Cost Account (NFCA) Nonmargin	100%	57%	43%	\$15	\$386	\$401	\$12	\$31
Integrated Transmission Balancing Account (ITBA) Margin	100%	57%	43%	\$25	\$655	\$679	\$20	\$53
Integrated Transmission Balancing Account (ITBA) Nonmargin	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	100%	57%	43%	\$19	\$517	\$537	\$15	\$42

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Total Allocated to		Allocation Method	Total %	EG-D	Tier	EG-D
	EG-T	EG			1	2	Tier 2
Regulatory Accounts							
Affiliate Transfer Fee Account (ATFA)	(\$2)	(\$4)	EPAM NonCore C&I	100%	22.6%		20.7%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	(\$0)	(\$1)	EPAM NonCore C&I	100%	22.6%		20.7%
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	\$0	%AYTP	100%	2.9%		7.8%
Disconnect Memorandum Account (DMA)	\$0	\$0	100% Res	0%	0.0%		0.0%
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$0	\$0	ECPT CORE	0%	0.0%		0.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0	\$0	EPAM NonCore C&I	100%	22.6%		20.7%
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	ECPT excluding exempt EG	100%	7.9%		21.5%
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	EPAM NonCore C&I	100%	22.6%		20.7%
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$3)	(\$5)	EPAM NonCore C&I	100%	22.6%		20.7%
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	%AYTP	100%	2.9%		7.8%
Core Fixed Cost Account - Non NGV (CFCA)	\$0	\$0	%AYTP	100%	2.9%		7.8%
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	%AYTP	100%	2.9%		7.8%
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	EPAM NonCore C&I	100%	22.6%		20.7%
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	%AYTP	100%	2.9%		7.8%
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$0	%AYTP	100%	2.9%		7.8%
Enhanced Oil Recovery Account (EORA)	(\$55)	(\$96)	EPAM NonCore C&I	100%	22.6%		20.7%
Environmental Fee Balance Account EFBA	\$0	\$0	ECPT excluding exempt EG	100%	7.9%		21.5%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	EPAM NonCore C&I	100%	22.6%		20.7%
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)	\$1,277	\$1,416	% CYPM	100%	2.6%		7.2%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	%AYTP	100%	2.9%		7.8%
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	ECPT excluding exempt EG	100%	49.5%		19.6%
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	%AYTP	100%	2.9%		7.8%
Hazardous Substance Cost-Recovery Account (HSCRA)	\$355	\$397	%AYTP	100%	2.9%		7.8%
Intervenor Award Memorandum Account (IAMA)	\$276	\$309	%AYTP	100%	2.9%		7.8%
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$3	\$5	EPAM NonCore C&I	100%	22.6%		20.7%
PCB Expense Account (PCBEA)	\$0	\$0	%AYTP	100%	2.9%		7.8%
Master Meter Balancing Account (MMBA)	\$68	\$120	EPAM NonCore C&I	100%	22.6%		20.7%
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	%AYTP	100.0%	2.9%		7.8%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$168	\$238	ECPT excluding exempt EG	100.0%	7.9%		21.5%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	EPAM NonCore C&I	100.0%	22.6%		20.7%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$2	\$3	EPAM NonCore C&I	100.0%	22.6%		20.7%
Noncore Fixed Cost Account (NFCA) Margin	(\$875)	(\$1,542)	EPAM NonCore C&I	100%	22.6%		20.7%
Noncore Fixed Cost Account (NFCA) Nonmargin	\$358	\$401	%AYTP	100%	2.9%		7.8%
Integrated Transmission Balancing Account (ITBA) Margin	\$607	\$679	%CYTP	100%	2.9%		7.8%
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	%CYTP	100%	2.9%		7.8%
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$480	\$537	%CYTP	100%	2.9%		7.8%

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's **EG-T**

Regulatory Accounts

Affiliate Transfer Fee Account (ATFA)	56.7%
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	56.7%
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	89.4%
Disconnect Memorandum Account (DMA)	0.0%
FERC Settlement Proceeds Memorandum Account (FSPMA)	0.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	56.7%
GRCRRMA Sub allocation for AB32 Admin Fees	70.5%
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	56.7%
Distributed Energy Resources Svcs Bal Account (DERSBA)	56.7%
Firm Access & Storage Rights Memorandum Account (FARSMA)	89.4%
Core Fixed Cost Account - Non NGV (CFCA)	89.4%
Core Fixed Cost Account - NGV (CFCA)	89.4%
On-Bill Financing Balancing Account (OBFBA)	56.7%
Economic Practicality Shortfall Memorandum Account (EPSMA)	89.4%
California Solar Initiative Thermal Memorandum Account (CSITPMA)	89.4%
Enhanced Oil Recovery Account (EORA)	56.7%
Environmental Fee Balance Account EFBA	70.5%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	56.7%
Transmission Integrity Management Program Memorandum Account (TIMPBA - Local T)	90.2%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	89.4%
Green House Gas Balancing Account (GHGBA) - End User	30.9%
Green House Gas Balancing Account (GHGBA) - LUAF	89.4%
Hazardous Substance Cost-Recovery Account (HSCRA)	89.4%
Intervenor Award Memorandum Account (IAMA)	89.4%
Gain / Loss on Sale Memorandum Account (GLOSMA)	56.7%
PCB Expense Account (PCBEA)	89.4%
Master Meter Balancing Account (MMBA)	56.7%
Montebello True-Up Tracking Account (MTTA)	89.4%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	70.5%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	56.7%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	56.7%
Noncore Fixed Cost Account (NFCA) Margin	56.7%
Noncore Fixed Cost Account (NFCA) Nonmargin	89.4%
Integrated Transmission Balancing Account (ITBA) Margin	89.4%
Integrated Transmission Balancing Account (ITBA) Nonmargin	89.4%
Compressor Station Fuel and Power Balancing Account (CFPBA)	89.4%

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's				Res	Core C&I	NR A/C	Gas Eng	NGV
Compression Services Balancing Account (CSBA)	Y	Y	(\$22)	\$0	(\$12)	\$0	\$0	(\$11)
Company-Use Fuel for Load Balancing Account (CUFLBA)		Y	(\$542)	(\$139)	(\$58)	(\$0)	(\$1)	(\$9)
System Reliability Memorandum Account (SRMA)		Y	\$7,809	\$2,055	\$863	\$1	\$17	\$133
Noncore Storage Balancing Account (NSBA)		Y	\$10,308	\$2,712	\$1,139	\$1	\$23	\$175
Pension Balancing Account (PBA)	Y	Y	(\$2,881)	(\$2,348)	(\$381)	(\$0)	(\$6)	(\$23)
PBOP Balancing Account (PBOPBA)	Y	Y	(\$1,658)	(\$1,351)	(\$219)	(\$0)	(\$4)	(\$13)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission		Y	\$1,466	\$632	\$186	\$0	\$2	\$20

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Total Core	Non Core			EOR	Total Retail Non Core	Long Beach	SDG&E
		C&I	EG Tier 1	EG Tier 2				
Compression Services Balancing Account (CSBA)	(\$23)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$208)	(\$87)	(\$6)	(\$147)	(\$13)	(\$253)	(\$4)	(\$71)
System Reliability Memorandum Account (SRMA)	\$3,068	\$1,287	\$82	\$2,177	\$0	\$3,546	\$62	\$1,053
Noncore Storage Balancing Account (NSBA)	\$4,050	\$1,699	\$108	\$2,874	\$0	\$4,681	\$82	\$1,390
Pension Balancing Account (PBA)	(\$2,759)	(\$84)	(\$15)	(\$49)	\$0	(\$149)	(\$2)	(\$16)
PBOP Balancing Account (PBOPBA)	(\$1,588)	(\$48)	(\$9)	(\$28)	\$0	(\$86)	(\$1)	(\$9)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$841	\$196	\$12	\$355	\$30	\$594	\$16	\$0

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Sout West		Total			Total Non	Total System	
	Gas	Vernon	Whole sale	DGN	TBS	Core	\$000	
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0	\$0	\$0	(\$23)	(\$0)
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$4)	(\$5)	(\$85)	(\$5)	\$0	(\$343)	(\$551)	(\$9)
System Reliability Memorandum Account (SRMA)	\$55	\$80	\$1,250	\$77	\$0	\$4,873	\$7,941	\$132
Noncore Storage Balancing Account (NSBA)	\$73	\$106	\$1,649	\$101	\$0	\$6,432	\$10,482	\$174
Pension Balancing Account (PBA)	(\$2)	(\$2)	(\$22)	(\$1)	\$0	(\$172)	(\$2,931)	(\$50)
PBOP Balancing Account (PBOPBA)	(\$1)	(\$1)	(\$13)	(\$1)	\$0	(\$99)	(\$1,687)	(\$29)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$17	\$13	\$45	\$12	\$0	\$651	\$1,491	\$25

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's		Source	Allocation
Compression Services Balancing Account (CSBA)	(\$22)	Reg. Acct Filing 10/2017	2018 = NGV - 47%, CCI - 53%
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$542)	Reg. Acct Filing 10/2017	ECPT Incl EOR
System Reliability Memorandum Account (SRMA)	\$7,809	Reg. Acct Filing 10/2017	ECPT ExEOR
Noncore Storage Balancing Account (NSBA)	\$10,308	Reg. Acct Filing 10/2017	ECPT ExEOR
Pension Balancing Account (PBA)	(\$2,881)	Reg. Acct Filing 10/2017	EPAM Excl EOR
PBOP Balancing Account (PBOPBA)	(\$1,658)	Reg. Acct Filing 10/2017	EPAM Excl EOR
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$1,466	Reg. Acct Filing 10/2017	CYPM System Excl. Wholesale

**SoCalGas Cost Allocation
July, 2018 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
Compression Services Balancing Account (CSBA)	100.0%	0.0%	53.0%	0.0%	0.0%	47.0%	100.0%	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%
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%
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%
Pension Balancing Account (PBA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
PBOP Balancing Account (PBOPBA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
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%

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Total Retail Non Core	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%	0.0%	0.0%	0.0%	0.0%	0.0%
Company-Use Fuel for Load Balancing Account (CUFLBA)	46.0%	0.8%	13.0%	0.7%	1.0%	15.4%	0.9%	0.0%	62.3%
System Reliability Memorandum Account (SRMA)	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Noncore Storage Balancing Account (NSBA)	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Pension Balancing Account (PBA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
PBOP Balancing Account (PBOPBA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	39.8%	1.1%	0.0%	1.1%	0.9%	3.0%	0.8%	0.0%	43.7%

SoCalGas Cost Allocation
July, 2018 Rates

NCCI Allocation

COST COMPONENTS \$000's		Total Allocated to			Total Allocated to NCCI	Allocation Method
		NCCI	NCCI-D	NCCI-T		
Compression Services Balancing Account (CSBA)	Y	\$0	\$0	\$0	\$0	All NGV
Company-Use Fuel for Load Balancing Account (CUFLBA)		(\$87)	(\$49)	(\$38)	(\$87)	% AYTP
System Reliability Memorandum Account (SRMA)		\$1,287	\$730	\$557	\$1,287	% AYTP
Noncore Storage Balancing Account (NSBA)		\$1,699	\$963	\$735	\$1,699	% AYTP
Pension Balancing Account (PBA)	Y	(\$84)	(\$74)	(\$10)	(\$84)	EPAM NonCore C&I
PBOP Balancing Account (PBOPBA)	Y	(\$48)	(\$43)	(\$6)	(\$48)	EPAM NonCore C&I
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission		\$196	\$107	\$89	\$196	% CYPM

SoCalGas Cost Allocation
July, 2018 Rates

EG Allocation

COST COMPONENTS \$000's	<u>Allocation Factors</u>			<u>Separate Distribution from Transmission</u>				
	Total %	NCCI - D	NCCI - T	Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1	EG-D Tier 2
Compression Services Balancing Account (CSBA)				\$0	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	100%	57%	43%	(\$6)	(\$147)	(\$153)	(\$4)	(\$12)
System Reliability Memorandum Account (SRMA)	100%	57%	43%	\$82	\$2,177	\$2,259	\$65	\$175
Noncore Storage Balancing Account (NSBA)	100%	57%	43%	\$108	\$2,874	\$2,982	\$86	\$232
Pension Balancing Account (PBA)	100%	89%	11%	(\$15)	(\$49)	(\$65)	(\$15)	(\$13)
PBOP Balancing Account (PBOPBA)	100%	89%	11%	(\$9)	(\$28)	(\$37)	(\$8)	(\$8)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	100%	55%	45%	\$12	\$355	\$367	\$10	\$26

SoCalGas Cost Allocation
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COST COMPONENTS \$000's	Total Allocated to		Allocation Method	Total %	EG-D	Tier	EG-D
	EG-T	EG			1	Tier 2	
Compression Services Balancing Account (CSBA)	\$0	\$0	All NGV				
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$137)	(\$153)	%AYTP	100%	2.9%		7.8%
System Reliability Memorandum Account (SRMA)	\$2,019	\$2,259	%AYTP	100%	2.9%		7.8%
Noncore Storage Balancing Account (NSBA)	\$2,665	\$2,982	%AYTP	100%	2.9%		7.8%
Pension Balancing Account (PBA)	(\$37)	(\$65)	EPAM NonCore C&I	100%	22.6%		20.7%
PBOP Balancing Account (PBOPBA)	(\$21)	(\$37)	EPAM NonCore C&I	100%	22.6%		20.7%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	\$331	\$367	% CYPM	100%	2.6%		7.2%

SoCalGas Cost Allocation
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COST COMPONENTS \$000's	EG-T
Compression Services Balancing Account (CSBA)	
Company-Use Fuel for Load Balancing Account (CUFLBA)	89.4%
System Reliability Memorandum Account (SRMA)	89.4%
Noncore Storage Balancing Account (NSBA)	89.4%
Pension Balancing Account (PBA)	56.7%
PBOP Balancing Account (PBOPBA)	56.7%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Local Transmission	90.2%

SoCalGas Cost Allocation
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COST COMPONENTS \$000's			Res	Core C&I	NR A/C	Gas Eng	NGV
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	Y	\$1,090	\$704	\$206	\$0	\$2	\$17
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	Y	\$10,812	\$4,658	\$1,372	\$0	\$17	\$150
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	Y	\$39,521	\$25,510	\$7,460	\$2	\$87	\$611
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	Y	\$3,374	\$1,453	\$428	\$0	\$5	\$47
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	Y	\$8,968	\$5,789	\$1,693	\$1	\$20	\$139
Research Development and Demonstration Expense Account (RDDEA)	Y	\$0	\$0	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	Y	(\$71)	(\$58)	(\$9)	(\$0)	(\$0)	(\$1)
Self-Generation Program Memorandum Account (SGPMA)	Y	\$24,000	\$6,314	\$2,653	\$2	\$54	\$407
System Operator Gas Account (SOGA)	Y	\$102	\$27	\$11	\$0	\$0	\$2
Natural Gas Appliance Testing Memo Account (NGATMA)	Y	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	Y	\$627	\$511	\$83	\$0	\$1	\$5
Total Regulatory Accounts		\$263,524	\$153,185	\$60,656	\$41	\$1,126	\$3,209
Core Interstate Pipeline Demand Charges (IPDC)	Y	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000		\$326,871	\$1,824,407	\$332,463	\$119	\$5,533	\$20,255
EOR Revenue allocated to Other Classes \$000			(\$9,855)	(\$1,601)	(\$0)	(\$26)	(\$98)
EOR Costs allocated to Other Classes \$000			\$6,146	\$998	\$0	\$16	\$61
Gas Engine Rate CAP adjustment	N	\$2,182	\$1,861	\$302	\$0	(\$2,182)	\$18
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr			\$1,822,559	\$332,163	\$119	\$3,341	\$20,237
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr			2,435,160	1,023,186	772	20,699	157,095
Average Rate w/oFAR \$/th			\$0.74844	\$0.32464	\$0.15436	\$0.16141	\$0.12882
FFU Rate			101.74%	101.74%	101.74%	101.74%	101.74%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr			2,435,160	1,023,186	772	20,699	157,095
Sempra Wide & TLS Adjustments::							
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr			\$1,822,559	\$332,163	\$119	\$3,341	\$20,237
SW NGV Adjustment							(\$260)
SW EG Adjustment							
TLS Adjustment							
Amount allocated to TLS Class \$000							
TLS revenue paid by class @ average TLS rate \$000							
			\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr			\$1,822,559	\$332,163	\$119	\$3,341	\$19,977
Rate Tables			\$1,822,559	\$332,163	\$119	\$3,341	\$19,977
difference			\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr			2,435,160	1,023,186	772	20,699	157,095

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COST COMPONENTS \$000's	Total Core	Non Core			EOR	Total Retail Non Core	Long Beach	SDG&E
		C&I	EG Tier 1	EG Tier 2				
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$929	\$120	\$11	\$30	\$20	\$180	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$6,197	\$1,445	\$89	\$2,619	\$224	\$4,376	\$116	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$33,671	\$4,337	\$390	\$1,070	\$728	\$6,524	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$1,934	\$451	\$28	\$817	\$70	\$1,366	\$36	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$7,641	\$984	\$88	\$243	\$165	\$1,481	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	(\$68)	(\$2)	(\$0)	(\$1)	\$0	(\$4)	(\$0)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	\$9,430	\$3,955	\$252	\$6,691	\$0	\$10,898	\$190	\$3,235
System Operator Gas Account (SOGA)	\$40	\$17	\$1	\$28	\$0	\$46	\$1	\$14
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$600	\$18	\$3	\$11	\$0	\$32	\$0	\$3
Total Regulatory Accounts	\$218,217	\$20,179	\$824	\$19,357	\$1,341	\$41,701	\$572	\$5,743
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$2,182,777	\$81,757	\$11,762	\$58,033	\$7,672	\$159,225	\$2,158	\$18,583
EOR Revenue allocated to Other Classes \$000	(\$11,580)	(\$353)	(\$65)	(\$207)		(\$625)	(\$9)	(\$67)
EOR Costs allocated to Other Classes \$000	\$7,221	\$220	\$41	\$129	(\$7,672)	(\$7,283)	\$6	\$42
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	\$2,178,419	\$81,624	\$11,738	\$57,955	\$0	\$151,317	\$2,154	\$18,558
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	3,636,911	1,525,339	97,212	2,580,583		4,203,134	73,520	1,251,556
Average Rate w/oFAR \$/th	\$0.59897	\$0.05351	\$0.12075	\$0.02246	\$0.00000	\$0.03600	\$0.02930	\$0.01483
FFU Rate		101.74%	101.74%	101.74%	100.00%		101.43%	101.43%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	3,636,911	1,525,339	97,212	2,580,583	231,570	4,434,704	73,520	1,251,556
Sempra Wide & TLS Adjustments::								
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$2,178,419	\$81,624		\$69,693		\$151,317	\$2,154	\$18,558
SW NGV Adjustment	(\$260)					\$0		
SW EG Adjustment	\$0			(\$1,784)		(\$1,784)		
TLS Adjustment								
Amount allocated to TLS Class \$000	\$0	(\$15,232)		(\$46,383)		(\$61,616)	(\$2,154)	
TLS revenue paid by class @ average TLS rate \$000	\$0	\$16,114		\$49,379		\$65,493	\$1,496	
	\$0	\$882		\$2,995		\$3,877	(\$658)	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$2,178,159	\$82,506		\$70,904		\$153,411	\$1,496	\$18,558
Rate Tables	\$2,178,159	\$82,506		\$70,904		\$153,411	\$1,496	\$18,558
difference	\$0	\$0		\$0		\$0	\$0	\$0
AYTP Mth/yr	3,636,911	1,525,339		2,677,795		4,203,134	73,520	1,251,556

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COST COMPONENTS \$000's	Sout West		Total			Total Non	Total System	
	Gas	Vernon	Whole sale	DGN	TBS	Core	\$000	
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$180	\$1,109	\$19
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$122	\$94	\$332	\$89	\$0	\$4,797	\$10,994	\$183
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$6,524	\$40,195	\$674
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$38	\$29	\$104	\$28	\$0	\$1,497	\$3,431	\$57
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$1,481	\$9,121	\$153
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	(\$0)	(\$0)	(\$1)	(\$0)	\$0	(\$4)	(\$73)	(\$1)
Self-Generation Program Memorandum Account (SGPMA)	\$169	\$246	\$3,840	\$236	\$0	\$14,975	\$24,405	\$405
System Operator Gas Account (SOGA)	\$1	\$1	\$16	\$1	\$0	\$64	\$104	\$2
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$0	\$0	\$5	\$0	\$0	\$37	\$638	\$11
Total Regulatory Accounts	\$538	\$652	\$7,505	\$630	\$0	\$49,836	\$268,054	\$4,530
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$2,135	\$2,003	\$24,879	\$1,724	\$23,290	\$209,119	\$2,391,896	
EOR Revenue allocated to Other Classes \$000	(\$9)	(\$7)	(\$92)	(\$6)	\$0	(\$723)	(\$12,303)	
EOR Costs allocated to Other Classes \$000	\$6	\$5	\$57	\$4	\$0	(\$7,221)	\$0	
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$2,132	\$2,000	\$24,844	\$1,722	\$23,290	\$201,174	\$2,379,593	
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	65,367	95,137	1,485,580	91,378	0	5,780,093	9,417,004	
Average Rate w/oFAR \$/th	\$0.03261	\$0.02103	\$0.01672	\$0.01885	\$0.00000	\$0.03480	\$0.25269	
FFU Rate	101.43%	101.43%		101.43%	101.74%			
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	65,367	95,137	1,485,580	91,378	0	6,011,663	9,648,574	
Sempra Wide & TLS Adjustments::								
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$2,132	\$2,000	\$24,844	\$1,722	\$23,290	\$201,174	\$2,379,593	
SW NGV Adjustment			\$0			\$0	(\$260)	
SW EG Adjustment			\$0			(\$1,784)	(\$1,784)	
TLS Adjustment								
Amount allocated to TLS Class \$000	(\$2,132)	(\$2,000)	(\$6,286)	(\$1,722)		(\$69,624)	(\$69,624)	
TLS revenue paid by class @ average TLS rate \$000	\$1,330	\$1,936	\$4,763	\$1,860		\$72,116	\$72,116	
	(\$801)	(\$64)	(\$1,523)	\$138	\$0	\$2,492	\$2,492	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$1,330	\$1,936	\$23,321	\$1,860	\$23,290	\$201,882	\$2,380,041	
Rate Tables	\$1,330	\$1,936	\$23,321	\$1,860	\$23,290	\$201,882	\$2,380,041	
difference	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
AYTP Mth/yr	65,367	95,137	1,485,580	91,378		5,780,093	9,417,004	

SoCalGas Cost Allocation
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COST COMPONENTS \$000's		Source	Allocation
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$1,090	Reg. Acct Filing 10/2017	HPD CYPM System
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$10,812	Reg. Acct Filing 10/2017	CYPM System Excl. Wholesale
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$39,521	Reg. Acct Filing 10/2017	HPD CYPM System
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$3,374	Reg. Acct Filing 10/2017	CYPM System Excl. Wholesale
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$8,968	Reg. Acct Filing 10/2017	HPD CYPM System
Research Development and Demonstration Expense Account (RDDEA)	\$0	Reg. Acct Filing 10/2017	EPAM Excl EOR
Research Royalty Memorandum Account (RRMA)	(\$71)	Reg. Acct Filing 10/2017	EPAM Excl EOR
Self-Generation Program Memorandum Account (SGPMA)	\$24,000	Reg. Acct Filing 10/2017	ECPT ExEOR
System Operator Gas Account (SOGA)	\$102	Reg. Acct Filing 10/2017	ECPT ExEOR
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	Reg. Acct Filing 10/2017	EPAM Excl EOR
Rewards & Penalties Balancing Account (RPBA)	\$627	Reg. Acct Filing 10/2017	EPAM Excl EOR
Total Regulatory Accounts	\$263,524		

Core Interstate Pipeline Demand Charges (IPDC)	\$0	2009FC @ 9/10/2007	Core ECPT
Transport Rev Req before EOR & G-EN CAP adjustments \$000			

EOR Revenue allocated to Other Classes \$000		EOR	
EOR Costs allocated to Other Classes \$000		EOR	
Gas Engine Rate CAP adjustment		G-EN	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		Alloc Factors	
Average Rate w/oFAR \$/th			
FFU Rate		Misc Inpud	
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			
Rate Tables			
difference			

AYTP Mth/yr

**SoCalGas Cost Allocation
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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
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%
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%
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%
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%
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%
Research Development and Demonstration Expense Account (RDDEA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
Research Royalty Memorandum Account (RRMA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
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%
System Operator Gas Account (SOGA)	100.0%	25.9%	10.9%	0.0%	0.2%	1.7%	38.6%	16.2%	1.0%	27.4%	0.0%
Natural Gas Appliance Testing Memo Account (NGATMA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
Rewards & Penalties Balancing Account (RPBA)	100.0%	80.1%	13.0%	0.0%	0.2%	0.8%	94.1%	2.9%	0.5%	1.7%	0.0%
Total Regulatory Accounts		57.1%	22.6%	0.0%	0.4%	1.2%	81.4%	7.5%	0.3%	7.2%	0.5%
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%
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%	85.3%	13.9%	0.0%	-100.0%	0.8%	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											
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											
Rate Tables											
difference											

AYTP Mth/yr

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COST COMPONENTS \$000's	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	16.3%	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	39.8%	1.1%	0.0%	1.1%	0.9%	3.0%	0.8%	0.0%	43.7%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	16.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.3%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	39.8%	1.1%	0.0%	1.1%	0.9%	3.0%	0.8%	0.0%	43.7%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	16.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.3%
Research Development and Demonstration Expense Account (RDDEA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Research Royalty Memorandum Account (RRMA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Self-Generation Program Memorandum Account (SGPMA)	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
System Operator Gas Account (SOGA)	44.6%	0.8%	13.3%	0.7%	1.0%	15.8%	1.0%	0.0%	61.4%
Natural Gas Appliance Testing Memo Account (NGATMA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Rewards & Penalties Balancing Account (RPBA)	5.1%	0.1%	0.5%	0.1%	0.1%	0.7%	0.0%	0.0%	5.9%
Total Regulatory Accounts	15.6%	0.2%	2.1%	0.2%	0.2%	2.8%	0.2%	0.0%	18.6%
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									
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									
Rate Tables									
difference									

AYTP Mth/yr

SoCalGas Cost Allocation
July, 2018 Rates

NCCI Allocation

COST COMPONENTS \$000's	Total Allocated to			Total Allocated to NCCI	Allocation Method
	NCCI	NCCI-D	NCCI-T		
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$120	\$120	\$0	\$120	%HPD Peak Month
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$1,445	\$792	\$653	\$1,445	% CYPM
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$4,337	\$4,337	\$0	\$4,337	%HPD Peak Month
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$451	\$247	\$204	\$451	% CYPM
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$984	\$984	\$0	\$984	%HPD Peak Month
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0	EPAM NonCore C&I
Research Royalty Memorandum Account (RRMA)	Y (\$2)	Y (\$2)	Y (\$0)	Y (\$2)	EPAM NonCore C&I
Self-Generation Program Memorandum Account (SGPMA)	\$3,955	\$2,243	\$1,712	\$3,955	% AYTP
System Operator Gas Account (SOGA)	\$17	\$10	\$7	\$17	% AYTP
Natural Gas Appliance Testing Memo Account (NGATMA)	Y \$0	Y \$0	Y \$0	Y \$0	EPAM NonCore C&I
Rewards & Penalties Balancing Account (RPBA)	Y \$18	Y \$16	Y \$2	Y \$18	EPAM NonCore C&I
Total Regulatory Accounts	\$20,179	\$13,084	\$7,095	\$20,179	
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0	% AYTP
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$81,757	\$66,510	\$15,248	\$81,757	
EOR Revenue allocated to Other Classes \$000	(\$353)	(\$312)	(\$41)	(\$353)	EPAM NonCore C&I
EOR Costs allocated to Other Classes \$000	\$220	\$195	\$25	\$220	EPAM NonCore C&I
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0	EPAM NonCore C&I
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$81,624	\$66,392	\$15,232	\$81,624	
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	1,525,339	865,102	660,238	1,525,339	
Average Rate w/oFAR \$/th	\$0.05351	\$0.07674	\$0.02307	\$0.05351	
FFU Rate	101.74%	101.74%	101.74%	101.74%	
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	1,525,339	865,102	660,238	1,525,339	
Sempra Wide & TLS Adjustments::					
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$81,624	\$66,392	\$15,232	\$81,624	
SW NGV Adjustment				\$0	
SW EG Adjustment				\$0	
TLS Adjustment				\$0	
Amount allocated to TLS Class \$000	(\$81,624)		(\$15,232)	(\$15,232)	
TLS revenue paid by class @ average TLS rate \$000	\$16,114		\$16,114	\$16,114	
	(\$65,510)	\$0	\$882	\$882	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$16,114	\$66,392	\$16,114	\$82,506	
<i>Rate Tables difference</i>					
AYTP Mth/yr	1,525,339	865,102	660,238	1,525,339	

SoCalGas Cost Allocation
July, 2018 Rates

EG Allocation

Allocation Factors

Separate Distribution from Transmission

COST COMPONENTS \$000's	Total %	NCCI -		Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1	EG-D Tier 2
		D	T					
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	100%	100%	0%	\$11	\$30	\$40	\$11	\$30
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	100%	55%	45%	\$89	\$2,619	\$2,708	\$71	\$195
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	100%	100%	0%	\$390	\$1,070	\$1,459	\$390	\$1,070
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	100%	55%	45%	\$28	\$817	\$845	\$22	\$61
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	100%	100%	0%	\$88	\$243	\$331	\$88	\$243
Research Development and Demonstration Expense Account (RDDEA)	100%	89%	11%	\$0	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	100%	89%	11%	(\$0)	(\$1)	(\$2)	(\$0)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	100%	57%	43%	\$252	\$6,691	\$6,943	\$200	\$539
System Operator Gas Account (SOGA)	100%	57%	43%	\$1	\$28	\$29	\$1	\$2
Natural Gas Appliance Testing Memo Account (NGATMA)	100%	89%	11%	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	100%	89%	11%	\$3	\$11	\$14	\$3	\$3
Total Regulatory Accounts				\$824	\$19,357	\$20,181	\$700	\$2,562
Core Interstate Pipeline Demand Charges (IPDC)	100%	57%	43%	\$0	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000				\$11,762	\$58,033	\$69,796	\$11,024	\$12,330
EOR Revenue allocated to Other Classes \$000	100%	89%	11%	(\$65)	(\$207)	(\$273)	(\$62)	(\$56)
EOR Costs allocated to Other Classes \$000	100%	89%	11%	\$41	\$129	\$170	\$38	\$35
Gas Engine Rate CAP adjustment	100%	89%	11%	\$0	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr				\$11,738	\$57,955	\$69,693	\$11,001	\$12,308
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr				97,212	2,580,583	2,677,795	77,207	207,889
Average Rate w/oFAR \$/th				\$0.12075	\$0.02246	\$0.02603	\$0.14249	\$0.05921
FFU Rate				101.7%	101.7%	101.7%	101.7%	101.7%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr				97,212	2,580,583	2,677,795	77,207	207,889

Sempra Wide & TLS Adjustments::

Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr							\$11,001	\$12,308
SW NGV Adjustment								
SW EG Adjustment							(\$1,102)	(\$682)
TLS Adjustment								
Amount allocated to TLS Class \$000								
TLS revenue paid by class @ average TLS rate \$000							\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr							\$9,899	\$11,626

Rate Tables
difference

AYTP Mth/yr							77,207	207,889
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SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Total Allocated to		Allocation Method	Total %	EG-D 1	Tier	EG-D Tier 2
	EG-T	EG					
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$40	% CYPM Distribution Only	100%	26.7%		73.3%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$2,441	\$2,708	% CYPM	100%	2.6%		7.2%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$1,459	% CYPM Distribution Only	100%	26.7%		73.3%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$762	\$845	% CYPM	100%	2.6%		7.2%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$331	% CYPM Distribution Only	100%	26.7%		73.3%
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	EPAM NonCore C&I	100%	22.6%		20.7%
Research Royalty Memorandum Account (RRMA)	(\$1)	(\$2)	EPAM NonCore C&I	100%	22.6%		20.7%
Self-Generation Program Memorandum Account (SGPMA)	\$6,204	\$6,943	%AYTP	100%	2.9%		7.8%
System Operator Gas Account (SOGA)	\$26	\$29	%AYTP	100%	2.9%		7.8%
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	EPAM NonCore C&I	100%	22.6%		20.7%
Rewards & Penalties Balancing Account (RPBA)	\$8	\$14	EPAM NonCore C&I	100%	22.6%		20.7%
Total Regulatory Accounts	\$16,919	\$20,181					
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	%AYTP	100%	2.9%		7.8%
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$46,442	\$69,796					
EOR Revenue allocated to Other Classes \$000	(\$155)	(\$273)	EPAM NonCore C&I	100%	22.6%		20.7%
EOR Costs allocated to Other Classes \$000	\$96	\$170	EPAM NonCore C&I	100%	22.6%		20.7%
Gas Engine Rate CAP adjustment	\$0	\$0	EPAM NonCore C&I	100%	22.6%		20.7%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$46,383	\$69,693					
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	2,392,699	2,677,795					
Average Rate w/oFAR \$/th	\$0.01939	\$0.02603					
FFU Rate	101.7%	101.7%					
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	2,392,699	2,677,795					
Sempra Wide & TLS Adjustments::							
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$46,383	\$69,693					
SW NGV Adjustment							
SW EG Adjustment		(\$1,784)					
		\$0					
TLS Adjustment							
Amount allocated to TLS Class \$000	(\$46,383)	(\$46,383)					
TLS revenue paid by class @ average TLS rate \$000	\$49,379	\$49,379					
	\$2,995	\$2,995					
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$49,379	\$70,904					
<i>Rate Tables difference</i>							

AYTP Mth/yr

2,392,699 2,677,795

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	EG-T
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	0.0%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	90.2%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	0.0%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	90.2%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	0.0%
Research Development and Demonstration Expense Account (RDDEA)	56.7%
Research Royalty Memorandum Account (RRMA)	56.7%
Self-Generation Program Memorandum Account (SGPMA)	89.4%
System Operator Gas Account (SOGA)	89.4%
Natural Gas Appliance Testing Memo Account (NGATMA)	56.7%
Rewards & Penalties Balancing Account (RPBA)	56.7%

Total Regulatory Accounts

Core Interstate Pipeline Demand Charges (IPDC)	89.4%
Transport Rev Req before EOR & G-EN CAP adjustments \$000	
EOR Revenue allocated to Other Classes \$000	56.7%
EOR Costs allocated to Other Classes \$000	56.7%
Gas Engine Rate CAP adjustment	56.7%

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

*Rate Tables
 difference*

AYTP Mth/yr

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Res	Core C&I	NR A/C	Gas Eng	NGV
Average Rate w/oBTS \$/th	\$0.74844	\$0.32464	\$0.15436	\$0.16141	\$0.12716
<i>Rate Tables</i>	\$0.74844	\$0.32464	\$0.15436	\$0.16141	\$0.12716
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$69,601	\$27,800	\$20	\$536	\$4,070
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$1,892,160	\$359,963	\$139	\$3,877	\$24,047
Average Rate w/ BTS \$/th	\$0.77702	\$0.35181	\$0.18026	\$0.18731	\$0.15307
<i>Rate Tables</i>					
<i>difference</i>					

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	74.6%	12.6%	0.0%	0.2%	0.8%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	79.0%	12.8%	0.0%	0.2%	0.8%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	76.6%	14.0%	0.0%	0.1%	0.9%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	76.6%	14.0%	0.0%	0.1%	0.8%

Calculation of Allocation Factors:

- Forecast AYTP Mth/yr
- Forecast AYTP Dist only mth/yr
- Forecast CYTP Mth/yr
- Forecast # Customers
- Forecast CYPM Mth/mo
- CYPM Dist Only mth/mo
- CYPD
- Base Margin Costs from CA Model including FFU
- Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E
Average Rate w/oBTS \$/th	\$0.59890	\$0.05409		\$0.02648		\$0.03650	\$0.02035	\$0.01483
<i>Rate Tables</i>	\$0.59890	\$0.05409		\$0.02648		\$0.03650	\$0.02035	\$0.01483
<i>difference</i>	\$0.00000	\$0.00000		\$0.00000		\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$102,028	\$39,631	\$2,519	\$66,858	\$6,000	\$115,007	\$2,075	\$33,091
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$2,280,186	\$122,137	\$2,519	\$137,762	\$6,000	\$268,417	\$3,572	\$51,649
Average Rate w/ BTS \$/th	\$0.62696	\$0.08007	\$0.02591	\$0.05338		\$0.06386	\$0.04858	\$0.04127
<i>Rate Tables</i>								
<i>difference</i>								

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	88.3%	3.8%	0.6%	3.5%	0.4%	8.3%	0.1%	1.9%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	92.8%	2.8%	0.5%	1.7%	0.3%	5.3%	0.1%	0.5%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	91.5%	3.4%	0.5%	2.4%	0.0%	6.4%	0.1%	0.8%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	91.5%	3.5%	0.0%	3.0%	0.0%	6.4%	0.1%	0.8%

Calculation of Allocation Factors:

Forecast AYTP Mth/yr
Forecast AYTP Dist only mth/yr
Forecast CYTP Mth/yr
Forecast # Customers
Forecast CYPM Mth/mo
CYPM Dist Only mth/mo
CYPD
Base Margin Costs from CA Model including FFU
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Sout West		Total			Total Non	Total System
	Gas	Vernon	Whole sale	DGN	TBS	Core	\$000
Average Rate w/oBTS \$/th	\$0.02035	\$0.02035	\$0.01570	\$0.02035		\$0.03493	\$0.25274
<i>Rate Tables</i>	\$0.02035	\$0.02035		\$0.02035			\$0.25274
<i>difference</i>	\$0.00000	\$0.00000		\$0.00000			\$0.00000
BTS w/FFU Charge \$000	\$1,703	\$2,465	\$39,335	\$2,367	\$0	\$156,709	\$258,736
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$3,034	\$4,401	\$62,656	\$4,227	\$23,290	\$358,591	\$2,638,777
Average Rate w/ BTS \$/th	\$0.04641	\$0.04626	\$0.04218	\$0.04626		\$0.06204	\$0.28021
<i>Rate Tables</i>							\$2,638,777
<i>difference</i>							\$0

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	0.1%	0.1%	2.3%	0.1%	1.0%	11.7%	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	0.1%	0.1%	0.7%	0.0%	1.1%	7.2%	100.0%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	0.1%	0.1%	1.0%	0.1%	1.0%	8.5%	100.0%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	0.1%	0.1%	1.0%	0.1%	1.0%	8.5%	100.0%

Calculation of Allocation Factors:

Forecast AYTP Mth/yr
Forecast AYTP Dist only mth/yr
Forecast CYTP Mth/yr
Forecast # Customers
Forecast CYPM Mth/mo
CYPM Dist Only mth/mo
CYPD
Base Margin Costs from CA Model including FFU
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Source	Allocation
Average Rate w/oBTS \$/th		
<i>Rate Tables difference</i>		
BTS w/FFU Charge \$000	SI & FAR	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr		
Average Rate w/ BTS \$/th		
<i>Rate Tables difference</i>		

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
 Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr
 Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors:

Forecast AYTP Mth/yr
 Forecast AYTP Dist only mth/yr
 Forecast CYTP Mth/yr
 Forecast # Customers
 Forecast CYPM Mth/mo
 CYPM Dist Only mth/mo
 CYPD
 Base Margin Costs from CA Model including FFU
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

**SoCalGas Cost Allocation
July, 2018 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
Average Rate w/oBTS \$/th											
<i>Rate Tables 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											
<i>Rate Tables difference</i>											

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
 Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr
 Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors:

Forecast AYTP Mth/yr
 Forecast AYTP Dist only mth/yr
 Forecast CYTP Mth/yr
 Forecast # Customers
 Forecast CYPM Mth/mo
 CYPM Dist Only mth/mo
 CYPD
 Base Margin Costs from CA Model including FFU
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
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Average Rate w/oBTS \$/th

Rate Tables difference

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

Rate Tables difference

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU

Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

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

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

Calculation of Allection Factors:

Forecast AYTP Mth/yr

Forecast AYTP Dist only mth/yr

Forecast CYTP Mth/yr

Forecast # Customers

Forecast CYPM Mth/mo

CYPM Dist Only mth/mo

CYPD

Base Margin Costs from CA Model including FFU

Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU

SoCalGas Cost Allocation
July, 2018 Rates

NCCI Allocation

COST COMPONENTS \$000's	Total Allocated to NCCI	NCCI-D	NCCI-T	Total Allocated to NCCI	Allocation Method
Average Rate w/oBTS \$/th					
<i>Rate Tables difference</i>					
BTS w/FFU Charge \$000	\$39,631	\$22,521	\$17,109	\$39,631	% CYTP
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$121,255	\$88,913	\$32,342	\$121,255	
Average Rate w/ BTS \$/th	\$0.07949	\$0.10278	\$0.04898	\$0.07949	
<i>Rate Tables difference</i>					

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors:

Forecast AYTP Mth/yr	1,525,339	865,102	660,238	1,525,339	% AYTP
Forecast AYTP Dist only mth/yr					
Forecast CYTP Mth/yr	1,529,668	869,280	660,388	1,529,668	% CYTP
Forecast # Customers	622	584	38	622	% # Customers
Forecast CYPM Mth/mo	124,850	68,423	56,427	124,850	% CYPM
CYPM Dist Only mth/mo					
CYPD					
Base Margin Costs from CA Model including FFU	\$84,445	\$66,425	\$18,019		% FFU in CA model
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$58,195	\$51,508	\$6,687		EPAM NonCore C&I

**SoCalGas Cost Allocation
July, 2018 Rates**

EG Allocation

COST COMPONENTS \$000's	<u>Allocation Factors</u>			<u>Separate Distribution from Transmission</u>				
	Total %	NCCI - D	NCCI - T	Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1	EG-D Tier 2
Average Rate w/oBTS \$/th								
<i>Rate Tables difference</i>								
BTS w/FFU Charge \$000	100%	57%	43%	\$2,519	\$66,858	\$69,376	\$2,000	\$5,386
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr				\$14,256	\$124,813	\$139,069	\$13,001	\$17,694
Average Rate w/ BTS \$/th				\$0.14665	\$0.04837	\$0.05193	\$0.16840	\$0.08511
<i>Rate Tables difference</i>								

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
 Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr
 Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors:

	<u>Allocation Factors</u>					
Forecast AYTP Mth/yr	100%	56.7%	43.3%	2,677,795	77,207	207,889
Forecast AYTP Dist only mth/yr				285,096	77,207	207,889
Forecast CYTP Mth/yr	100%	56.8%	43.2%	2,677,795	77,207	207,889
Forecast # Customers	100%	93.9%	6.1%	285	201	28
Forecast CYPM Mth/mo	100%	54.8%	45.2%	234,011	6,149	16,877
CYPM Dist Only mth/mo				23,026	6,149	16,877
CYPD				9,218	210	546
Base Margin Costs from CA Model including FFU	100%	78.7%	21.3%	\$90,920	\$11,479	\$12,875
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	100%	88.5%	11.5%	\$44,969	\$10,154	\$9,308

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	EG-T	Total Allocated to EG	Allocation Method	Total %	EG-D 1	Tier	EG-D Tier 2
Average Rate w/oBTS \$/th							
<i>Rate Tables difference</i>							
BTS w/FFU Charge \$000	\$61,990	\$69,376	%CYTP	100%	2.9%		7.8%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$108,374	\$139,069					
Average Rate w/ BTS \$/th	\$0.04529	\$0.05193					
<i>Rate Tables difference</i>							

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
 Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr
 Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors:

Forecast AYTP Mth/yr	2,392,699	Alloc Factors	%AYTP	100.0%	2.9%	7.8%
Forecast AYTP Dist only mth/yr	0		%AYTP Dist Only	100.0%	27.1%	72.9%
Forecast CYTP Mth/yr	2,392,699	Alloc Factors	%CYTP	100.0%	2.9%	7.8%
Forecast # Customers	56	Alloc Factors	% Forecast Customers	100.0%	70.7%	9.7%
Forecast CYPM Mth/mo	210,985	Alloc Factors	% CYPM	100.0%	2.6%	7.2%
CYPM Dist Only mth/mo	0		% CYPM Distribution Only	100.0%	26.7%	73.3%
CYPD	8,462		CYPD			
Base Margin Costs from CA Model including FFU	\$66,565		% FFU in CA model	100.0%	12.6%	14.2%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$25,507		EPAM NonCore C&I	100.0%	22.6%	20.7%

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	EG-T
Average Rate w/oBTS \$/th	
<i>Rate Tables difference</i>	
BTS w/FFU Charge \$000	89.4%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	
Average Rate w/ BTS \$/th	
<i>Rate Tables difference</i>	

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	

Calculation of Allocation Factors:

Forecast AYTP Mth/yr	89.4%
Forecast AYTP Dist only mth/yr	0.0%
Forecast CYTP Mth/yr	89.4%
Forecast # Customers	19.7%
Forecast CYPM Mth/mo	90.2%
CYPM Dist Only mth/mo	0.0%
CYPD	
Base Margin Costs from CA Model including FFU	73.2%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	56.7%

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's

Res Core C&I NR A/C Gas Eng NGV

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
Less: EG Exempt Customers Mth/y
AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
Less: GHG Charge Exempt Customers Mth/y
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	EOR	Total Retail Non Core	Long Beach	SDG&E
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California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
 Less: EG Exempt Customers Mth/y
 AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
 Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
 Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
 Less: GHG Charge Exempt Customers Mth/y
 AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Sout West		Total			Total Non	Total System
	Gas	Vernon	Whole sale	DGN	TBS	Core	\$000

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
Less: EG Exempt Customers Mth/y
AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
Less: GHG Charge Exempt Customers Mth/y
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's

Source

Allocation

California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y

Less: EG Exempt Customers Mth/y

AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1

Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T

Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

SoCalGas Cost Allocation
July, 2018 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
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California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
 Less: EG Exempt Customers Mth/y
 AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
 Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
 Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
 Less: GHG Charge Exempt Customers Mth/y
 AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	Total Retail Non Core	Long Beach	SDG&E	Sout West Gas	Vernon	Total Whole sale	DGN	TBS	Total Non Core
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California Air Resources Board AB 32 Implementation Fee Regulation

AYTP Mth/yr all customers Mth/y
 Less: EG Exempt Customers Mth/y
 AYTP Mth/yr of Non-Exempt Customers Mth/y

Exempt EG D Tier 1
 Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
 Total EG Exempt

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
 Less: GHG Charge Exempt Customers Mth/y
 AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

SoCalGas Cost Allocation
July, 2018 Rates

NCCI Allocation

COST COMPONENTS \$000's	Total Allocated to NCCI	NCCI-D	NCCI-T	Total Allocated to NCCI	Allocation Method
California Air Resources Board AB 32 Implementation Fee Regulation					
AYTP Mth/yr all customers Mth/y					
Less: EG Exempt Customers Mth/y					
AYTP Mth/yr of Non-Exempt Customers Mth/y					
Exempt EG D Tier 1					
Exempt EG-D Tier 2:					
Exempt EG-T:					
Total Exempt EG-T					
Total EG Exempt					
GHG Fee Adder					
AYTP Mth/yr all customers Mth/y	1,525,339	865,102	660,238		
Less: GHG Charge Exempt Customers Mth/y	(1,093,360)	(516,229)	(577,131)		
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	431,980	348,873	83,107		% NonExempt

SoCalGas Cost Allocation
July, 2018 Rates

EG Allocation

COST COMPONENTS \$000's	<u>Allocation Factors</u>			<u>Separate Distribution from Transmission</u>				
	Total %	NCCI - D	NCCI - T	Total Allocated to EG Tier 1 (1)	Total Allocated to EG Tier 2 (1)	Total Allocated to EG	EG-D Tier 1	EG-D Tier 2
California Air Resources Board AB 32 Implementation Fee Regulation								
AYTP Mth/yr all customers Mth/y						2,677,795	77,207	207,889
Less: EG Exempt Customers Mth/y						(1,716,604)	(798)	(1,036)
AYTP Mth/yr of Non-Exempt Customers Mth/y						961,191	76,408	206,853
Exempt EG D Tier 1				798				
Exempt EG-D Tier 2:				1,036				
				<hr/>				
Exempt EG-T:				1,714,769				
Total Exempt EG-T								
Total EG Exempt				<hr/> <hr/>				
				<hr/>				
GHG Fee Adder								
AYTP Mth/yr all customers Mth/y								
Less: GHG Charge Exempt Customers Mth/y								
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	100.0%	80.8%	19.2%					

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	EG-T	Total Allocated to EG	Allocation Method	Total %	EG-D Tier 1	EG-D Tier 2
California Air Resources Board AB 32 Implementation Fee Regulation						
AYTP Mth/yr all customers Mth/y	2,392,699					
Less: EG Exempt Customers Mth/y	<u>(1,714,769)</u>					
AYTP Mth/yr of Non-Exempt Customers Mth/y	677,930		% ECPT exclExempt Customer	100.00%	7.9%	21.5%

Exempt EG D Tier 1
 Exempt EG-D Tier 2:

Exempt EG-T:

Total Exempt EG-T
 Total EG Exempt

GHG Fee Adder						
AYTP Mth/yr all customers Mth/y				2,677,795	77,207	207,889
Less: GHG Charge Exempt Customers Mth/y				<u>(2,547,162)</u>	<u>(12,513)</u>	<u>(182,293)</u>
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y				130,633	64,694	25,596
			% ECPT exclExempt Customer	100.00%	49.5%	19.6%

SoCalGas Cost Allocation
July, 2018 Rates

COST COMPONENTS \$000's	EG-T
<hr/>	
California Air Resources Board AB 32 Implementation Fee Regulation	
AYTP Mth/yr all customers Mth/y	
Less: EG Exempt Customers Mth/y	
AYTP Mth/yr of Non-Exempt Customers Mth/y	70.5%
Exempt EG D Tier 1	
Exempt EG-D Tier 2:	
Exempt EG-T:	
Total Exempt EG-T	
Total EG Exempt	
GHG Fee Adder	
AYTP Mth/yr all customers Mth/y	2,392,699
Less: GHG Charge Exempt Customers Mth/y	<u>(2,352,356)</u>
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	40,343
	30.9%

**SoCalGas Reconcile Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Res
Base Margin Costs:	
Customer Related Costs	\$53,110
Medium Pressure Distribution Costs	(\$181,222)
High Pressure Distribution Costs	\$20,896
Backbone Transmission Costs	\$971
Local Transmission Costs	(\$776)
Storage - Seasonal	\$24,115
Storage - Load Balancing	\$10,815
Storage - TBS	\$0
Uncollectibles	(\$263)
NGV compression adder	\$0
Total Margin Allocation pre-SI, pre-BTS Unbndle w/FFU	(\$72,353)
Less Backbone Transmission Costs	(\$971)
Less Local Transmission Costs	\$776
Plus Local Transmission Costs w/SI, FFU	(\$789)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$73,337)

Other Operating Costs and Revenues	<i>Non-ECPT?</i>	Amount to Allocate		
		Add FFU Y or N?	(w/o F&U)	
AB32 Fees (subtracted from base margin and allocated here)		Y	\$0	(\$46)
n/a			\$0	\$0
Company Use Gas: Other		Y	\$175	\$43
Company Use Gas: Storage Load Balancing		N	\$177	\$43
AMI	Y	Y	\$0	\$0
Exchange Revenues & Interutility Transactions		N	\$225	\$61
Fuel Cell Equipment Revenues	Y	N	\$0	\$0
Marketing: DSM Program Awards		N	\$0	\$0
Unaccounted For (UAF) Gas		Y	(\$1,242)	(\$722)
n/a		N	\$0	\$0
Well Incidents & Surface Leaks		Y	(\$201)	(\$53)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement			\$0	\$0

COST COMPONENTS \$000's

				Res
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement			\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement			\$0	\$0
Subtotal Other Operating Costs and Revenues			(\$866)	(\$673)

Regulatory Accounts

Affiliate Transfer Fee Account (ATFA)	Y	Y	\$0	\$7
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	Y	Y	\$0	\$2
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)		Y	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)		Y	\$0	(\$29)
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Y	Y	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees		Y	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)		Y	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)		Y	\$0	\$9
Firm Access & Storage Rights Memorandum Account (FARSMA)		Y	\$0	\$0
Core Fixed Cost Account (CFCA)		Y	\$0	(\$251)
Core Fixed Cost Account - NGV (CFCA)		Y	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)		Y	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)		Y	\$0	(\$129)
Enhanced Oil Recovery Account (EORA)	Y	Y	\$0	\$196
Environmental Fee Balance Account EFBA		Y	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA) Trans	Y	Y	\$0	(\$35)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		Y	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User		Y	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	Y	Y	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)		Y	\$0	(\$3)
Intervenor Award Memorandum Account (IAMA)		Y	\$0	(\$2)
Gain / Loss on Sale Memorandum Account (GLOSMA)	Y	Y	\$0	(\$10)
PCB Expense Account (PCBEA)		Y	\$0	\$0
Master Meter Balancing Account (MMBA)	Y	Y	\$0	(\$245)
Montebello True-Up Tracking Account (MTTA)	Y	N	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	\$0	(\$15)
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	(\$6)
Noncore Fixed Cost Account (NFCA) Margin	Y	Y	\$0	\$0
Noncore Fixed Cost Account (NFCA) Nonmargin		Y	\$0	\$0

COST COMPONENTS \$000's

				Res
Integrated Transmission Balancing Account (ITBA) Margin		Y	\$0	(\$14)
Integrated Transmission Balancing Account (ITBA) Nonmargin		Y	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)		Y	\$0	(\$11)
Compression Services Balancing Account (CSBA)	Y	Y	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)		Y	\$0	\$1
System Reliability Memorandum Account (SRMA)		Y	\$0	(\$15)
Noncore Storage Balancing Account (NSBA)		Y	\$0	(\$20)
Pension Balancing Account (PBA)	Y	Y	\$0	\$132
PBOP Balancing Account (PBOPBA)	Y	Y	\$0	\$76
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission		Y	\$0	(\$9)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	(\$26)
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$0	(\$67)
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$0	(\$933)
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission		Y	\$0	(\$21)
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution		Y	\$0	(\$212)
Research Development and Demonstration Expense Account (RDDEA)	Y	Y	\$0	\$0
Research Royalty Memorandum Account (RRMA)	Y	Y	\$0	\$3
Self-Generation Program Memorandum Account (SGPMA)		Y	\$0	(\$6,281)
System Operator Gas Account (SOGA)		Y	\$0	(\$0)
Natural Gas Appliance Testing Memo Account (NGATMA)	Y	Y	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	Y	Y	\$0	(\$29)
Total Regulatory Accounts			\$0	(\$7,937)
Core Interstate Pipeline Demand Charges (IPDC)		Y		\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000			(\$866)	(\$81,947)
EOR Revenue allocated to Other Classes \$000				(\$1,459)
EOR Costs allocated to Other Classes \$000				\$997
Gas Engine Rate CAP adjustment		N	\$4,631	\$3,746
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr				(\$78,662)
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr				(88,807)
Average Rate w/oBTS \$/th				(\$0.00520)
FFU Rate				0.00%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr				(88,807)
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr				(\$78,662)
SW NGV Adjustment				\$0
SW EG Adjustment				\$0

COST COMPONENTS \$000's	Res
TLS Adjustment	
Amount allocated to TLS Class \$000	\$0
TLS revenue paid by class @ average TLS rate \$000	\$0
	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	(\$78,662)
<i>Rate Tables</i>	(\$78,662.2)
<i>difference</i>	\$0
AYTP Mth/yr	(88,807)
Average Rate w/oBTS \$/th	(\$0.00520)
<i>Rate Tables</i>	(\$0.00520)
<i>difference</i>	\$0.00000
BTS w/FFU Charge \$000	(\$816)
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	(\$79,478)
Average Rate w/ BTS \$/th	(\$0.00446)
<i>Rate Tables</i>	\$0.00000
<i>difference</i>	\$0.00000
Effective Allocation %'s:	
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	-3.4%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	-3.6%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	-3.3%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	-3.2%

**SoCalGas Reconcile Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Core C&I	NR A/C	Gas Eng	NGV
Base Margin Costs:				
Customer Related Costs	\$72,203	(\$27)	\$5,031	\$3,520
Medium Pressure Distribution Costs	(\$40,561)	(\$6)	(\$404)	(\$185)
High Pressure Distribution Costs	\$6,592	(\$1)	(\$32)	\$1,106
Backbone Transmission Costs	\$431	(\$6)	\$51	\$560
Local Transmission Costs	(\$99)	(\$1)	(\$32)	\$114
Storage - Seasonal	\$4,448	\$1	\$247	\$145
Storage - Load Balancing	\$4,596	\$1	\$110	\$905
Storage - TBS	\$0	\$0	\$0	\$0
Uncollectibles	\$155	(\$0)	\$15	\$19
NGV compression adder	\$0	\$0	\$0	\$524
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$47,766	(\$38)	\$4,987	\$6,708
Less Backbone Transmission Costs	(\$431)	\$6	(\$51)	(\$560)
Less Local Transmission Costs	\$99	\$1	\$32	(\$114)
Plus Local Transmission Costs w/SI, FFU	(\$103)	(\$1)	(\$32)	\$113
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$47,331	(\$33)	\$4,936	\$6,147

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	(\$14)	(\$0)	\$1	\$18
n/a	\$0	\$0	\$0	\$0
Company Use Gas: Other	\$19	(\$0)	\$1	\$6
Company Use Gas: Storage Load Balancing	\$19	(\$0)	\$1	\$6
AMI	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$24	\$0	\$1	\$5
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	(\$269)	(\$2)	\$6	\$89
n/a	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	(\$22)	(\$0)	(\$0)	(\$3)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Re	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	Core C&I	NR A/C	Gas Eng	NGV
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	(\$243)	(\$2)	\$8	\$120
<u>Regulatory Accounts</u>				
Affiliate Transfer Fee Account (ATFA)	(\$3)	\$0	(\$0)	(\$0)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	(\$1)	\$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)	\$26	\$0	\$3	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$4)	\$0	(\$0)	(\$1)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$171	(\$13)	\$93	\$0
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	(\$70)	(\$1)	\$5	\$71
Enhanced Oil Recovery Account (EORA)	(\$94)	\$0	(\$10)	(\$13)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA) Trans	\$1	(\$0)	(\$3)	\$11
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	(\$0)	(\$0)	\$0	\$4
Intervenor Award Memorandum Account (IAMA)	(\$0)	(\$0)	\$0	\$3
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$5	(\$0)	\$1	\$1
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$117	(\$0)	\$13	\$16
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	(\$5)	(\$0)	\$0	\$6
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$3	(\$0)	\$0	\$0
Noncore Fixed Cost Account (NFCA) Margin	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Nonmargin	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	Core C&I	NR A/C	Gas Eng	NGV
Integrated Transmission Balancing Account (ITBA) Margin	(\$5)	(\$0)	\$1	\$6
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	(\$4)	(\$0)	\$0	\$5
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$0)	\$0	(\$0)	(\$2)
System Reliability Memorandum Account (SRMA)	(\$1)	(\$0)	\$2	\$23
Noncore Storage Balancing Account (NSBA)	(\$1)	(\$0)	\$3	\$30
Pension Balancing Account (PBA)	(\$63)	\$0	(\$7)	(\$9)
PBOP Balancing Account (PBOPBA)	(\$36)	\$0	(\$4)	(\$5)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$0	(\$0)	(\$1)	\$3
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	(\$4)	(\$0)	(\$1)	\$4
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$2	(\$0)	(\$5)	\$22
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	(\$149)	(\$1)	(\$30)	\$133
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$1	(\$0)	(\$2)	\$7
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	(\$34)	(\$0)	(\$7)	\$30
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	(\$2)	\$0	(\$0)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	(\$2,346)	(\$2)	(\$54)	(\$407)
System Operator Gas Account (SOGA)	(\$0)	(\$0)	\$0	\$0
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$14	(\$0)	\$2	\$2
Total Regulatory Accounts	(\$2,481)	(\$19)	\$0	(\$59)
	\$0	\$0	\$0	\$0
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$44,606	(\$53)	\$4,944	\$6,208
EOR Revenue allocated to Other Classes \$000	(\$668)	\$0	(\$41)	(\$65)
EOR Costs allocated to Other Classes \$000	\$434	(\$0)	\$26	\$41
Gas Engine Rate CAP adjustment	\$822	\$0	(\$4,631)	\$62
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$45,195	(\$53)	\$298	\$6,247
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	(30,480)	(356)	1,603	21,674
Average Rate w/oBTS \$/th	\$0.05549	\$0.00422	\$0.00177	\$0.01932
FFU Rate	0.00%	0.00%	0.00%	0.00%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	(30,480)	(356)	1,603	21,674
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$45,195	(\$53)	\$298	\$6,247
SW NGV Adjustment	\$0	\$0	\$0	(\$32)
SW EG Adjustment	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	Core C&I	NR A/C	Gas Eng	NGV
TLS Adjustment				
Amount allocated to TLS Class \$000	\$0	\$0	\$0	\$0
TLS revenue paid by class @ average TLS rate \$000	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$45,195	(\$53)	\$298	\$6,215
<i>Rate Tables</i>	\$45,195	(\$53)	\$298	\$6,215
<i>difference</i>	\$0	\$0	\$0	\$0
AYTP Mth/yr	(30,480)	(356)	1,603	21,674
Average Rate w/oBTS \$/th	\$0.05549	\$0.00422	\$0.00177	\$0.01935
<i>Rate Tables</i>	\$0.05549	\$0.00422	\$0.00177	\$0.01935
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	(\$262)	(\$9)	\$57	\$688
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$44,932	(\$62)	\$355	\$6,903
Average Rate w/ BTS \$/th	\$0.05606	\$0.00492	\$0.00248	\$0.02005
<i>Rate Tables</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	2.1%	0.0%	0.2%	0.3%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	2.3%	0.0%	0.2%	0.3%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	1.9%	0.0%	0.0%	0.3%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	1.9%	0.0%	0.0%	0.3%

**SoCalGas Reconcile Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Total Core	Non Core C&I	EG Tier 1	EG Tier 2
Base Margin Costs:				
Customer Related Costs	\$133,837	\$5,378	(\$678)	\$180
Medium Pressure Distribution Costs	(\$222,377)	(\$5,333)	(\$459)	\$23
High Pressure Distribution Costs	\$28,563	\$6,632	\$689	\$1,824
Backbone Transmission Costs	\$2,008	\$1,980	\$110	\$888
Local Transmission Costs	(\$794)	\$1,003	\$4	(\$1,234)
Storage - Seasonal	\$28,956	\$0	\$0	\$0
Storage - Load Balancing	\$16,426	\$7,349	\$462	\$11,413
Storage - TBS	\$0	\$0	\$0	\$0
Uncollectibles	(\$73)	\$51	\$0	\$39
NGV compression adder	\$524	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	(\$12,931)	\$17,060	\$127	\$13,135
Less Backbone Transmission Costs	(\$2,008)	(\$1,980)	(\$110)	(\$888)
Less Local Transmission Costs	\$794	(\$1,003)	(\$4)	\$1,234
Plus Local Transmission Costs w/SI, FFU	(\$811)	\$1,000	\$3	(\$1,242)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$14,956)	\$15,078	\$17	\$12,238

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	(\$41)	\$29	\$7	\$4
n/a	\$0	\$0	\$0	\$0
Company Use Gas: Other	\$69	\$35	\$2	\$45
Company Use Gas: Storage Load Balancing	\$68	\$35	\$2	\$45
AMI	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$91	\$38	\$2	\$59
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	(\$898)	(\$5)	(\$1)	(\$174)
n/a	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	(\$79)	(\$32)	(\$2)	(\$56)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Re	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	Total Core	Non Core C&I	EG Tier 1	EG Tier 2
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	(\$790)	\$100	\$11	(\$77)
<u>Regulatory Accounts</u>				
Affiliate Transfer Fee Account (ATFA)	\$3	(\$1)	\$0	(\$1)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	\$1	(\$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)	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	\$4	(\$1)	\$0	(\$1)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	(\$123)	\$123	\$0	\$0
Enhanced Oil Recovery Account (EORA)	\$79	(\$30)	\$0	(\$25)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA) Trans	(\$25)	\$101	\$1	(\$92)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$2	\$10	\$0	(\$4)
Intervenor Award Memorandum Account (IAMA)	\$1	\$8	\$0	(\$3)
Gain / Loss on Sale Memorandum Account (GLOSMA)	(\$4)	\$2	(\$0)	\$1
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	(\$99)	\$38	(\$0)	\$31
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	(\$13)	\$10	\$2	\$1
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	(\$3)	\$1	(\$0)	\$1
Noncore Fixed Cost Account (NFCA) Margin	\$0	\$99	\$90	(\$29)
Noncore Fixed Cost Account (NFCA) Nonmargin	\$0	\$10	\$1	(\$3)

COST COMPONENTS \$000's	Total Core	Non Core C&I	EG Tier 1	EG Tier 2
Integrated Transmission Balancing Account (ITBA) Margin	(\$12)	\$12	\$1	(\$14)
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	(\$9)	\$10	\$0	(\$11)
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$1)	(\$4)	(\$0)	\$1
System Reliability Memorandum Account (SRMA)	\$9	\$57	\$3	(\$22)
Noncore Storage Balancing Account (NSBA)	\$11	\$75	\$4	(\$29)
Pension Balancing Account (PBA)	\$53	(\$21)	\$0	(\$17)
PBOP Balancing Account (PBOPBA)	\$31	(\$12)	\$0	(\$10)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	(\$7)	\$26	\$0	(\$24)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	(\$27)	\$17	\$2	\$6
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	(\$49)	\$194	\$2	(\$176)
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	(\$980)	\$630	\$80	\$204
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	(\$15)	\$60	\$1	(\$55)
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	(\$222)	\$143	\$18	\$46
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	\$1	(\$1)	\$0	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	(\$9,090)	(\$3,955)	\$660	\$16,475
System Operator Gas Account (SOGA)	\$0	\$1	\$0	(\$0)
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	(\$12)	\$4	(\$0)	\$4
Total Regulatory Accounts	(\$10,496)	(\$2,394)	\$866	\$16,255
	\$0	\$0	\$0	\$0
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	(\$26,243)	\$12,784	\$893	\$28,416
EOR Revenue allocated to Other Classes \$000	(\$2,233)	(\$181)	(\$13)	(\$131)
EOR Costs allocated to Other Classes \$000	\$1,499	\$117	\$9	\$84
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	(\$26,976)	\$12,720	\$889	\$28,370
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	(96,366)	20,475	403	(100,420)
Average Rate w/oBTS \$/th	\$0.00868	\$0.00752	\$0.00861	\$0.01235
FFU Rate	0.00%	0.00%	0.00%	0.00%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	(96,366)	20,475	403	(100,420)
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	(\$26,976)	\$12,720	\$0	\$29,259
SW NGV Adjustment	(\$32)	\$0	\$0	\$0
SW EG Adjustment	\$0	\$0	\$0	\$795

COST COMPONENTS \$000's	Total Core	Non Core C&I	EG Tier 1	EG Tier 2
TLS Adjustment				
Amount allocated to TLS Class \$000	\$0	(\$1,400)	\$0	(\$22,105)
TLS revenue paid by class @ average TLS rate \$000	\$0	\$4,218	\$0	\$14,996
	\$0	\$2,818	\$0	(\$7,109)
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	(\$27,008)	\$15,538	\$0	\$22,945
<i>Rate Tables</i>	(\$27,008)	\$15,538	\$0	\$22,945
<i>difference</i>	\$0	\$0	\$0	\$0
AYTP Mth/yr	(96,366)	20,475	0	(100,017)
Average Rate w/oBTS \$/th	\$0.00867	\$0.00934	\$0.00000	\$0.00993
<i>Rate Tables</i>	\$0.00867	\$0.00934	\$0.00000	\$0.00993
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	(\$342)	\$1,620	\$79	(\$849)
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	(\$27,350)	\$17,158	\$79	\$22,097
Average Rate w/ BTS \$/th	\$0.00934	\$0.01004	\$0.00071	\$0.01107
<i>Rate Tables</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	-0.8%	0.7%	0.0%	0.6%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	-0.8%	0.7%	0.0%	0.6%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	-1.1%	0.5%	0.0%	1.2%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	-1.0%	0.7%	0.0%	1.0%

**SoCalGas Reconcile Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Total Retail Non			
	EOR	Core	Long Beach	SDG&E
Base Margin Costs:				
Customer Related Costs	\$24	\$4,904	(\$97)	\$35
Medium Pressure Distribution Costs	(\$17)	(\$5,785)	\$0	\$0
High Pressure Distribution Costs	\$968	\$10,113	\$0	\$0
Backbone Transmission Costs	(\$168)	\$2,809	\$198	(\$1,109)
Local Transmission Costs	(\$136)	(\$363)	\$33	(\$1,341)
Storage - Seasonal	\$0	\$0	\$0	\$4,898
Storage - Load Balancing	\$921	\$20,145	\$393	\$4,899
Storage - TBS	\$0	\$0	\$0	\$0
Uncollectibles	\$0	\$91	\$0	\$0
NGV compression adder	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$1,592	\$31,915	\$527	\$7,383
Less Backbone Transmission Costs	\$168	(\$2,809)	(\$198)	\$1,109
Less Local Transmission Costs	\$136	\$363	(\$33)	\$1,341
Plus Local Transmission Costs w/SI, FFU	(\$137)	(\$375)	\$33	\$0
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,760	\$29,093	\$329	\$9,832

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$0	\$41	\$0	\$0
n/a	\$0	\$0	\$0	\$0
Company Use Gas: Other	\$3	\$86	\$2	\$13
Company Use Gas: Storage Load Balancing	\$3	\$85	\$2	\$13
AMI	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$0	\$99	\$2	\$26
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	(\$32)	(\$212)	\$6	(\$187)
n/a	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	\$0	(\$91)	(\$1)	(\$28)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Re	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	Total Retail Non			
	EOR	Core	Long Beach	SDG&E
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	(\$27)	\$7	\$11	(\$163)
Regulatory Accounts				
Affiliate Transfer Fee Account (ATFA)	\$0	(\$2)	(\$0)	(\$1)
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)	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	\$0	(\$3)	(\$0)	(\$1)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$123	\$0	\$0
Enhanced Oil Recovery Account (EORA)	\$0	(\$55)	(\$1)	(\$20)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA) Trans	(\$10)	\$0	\$4	\$0
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$0	\$7	\$1	(\$15)
Intervenor Award Memorandum Account (IAMA)	\$0	\$5	\$1	(\$11)
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$3	\$0	\$1
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$0	\$69	\$1	\$26
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$13	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$2	\$0	\$1
Noncore Fixed Cost Account (NFCA) Margin	\$0	\$160	\$4	(\$161)
Noncore Fixed Cost Account (NFCA) Nonmargin	\$0	\$8	\$1	(\$15)

COST COMPONENTS \$000's	Total Retail Non			
	EOR	Core	Long Beach	SDG&E
Integrated Transmission Balancing Account (ITBA) Margin	\$0	(\$1)	\$2	\$0
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$0	(\$1)	\$2	\$0
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$1	(\$2)	(\$0)	\$6
System Reliability Memorandum Account (SRMA)	\$0	\$38	\$7	(\$84)
Noncore Storage Balancing Account (NSBA)	\$0	\$50	\$9	(\$110)
Pension Balancing Account (PBA)	\$0	(\$37)	(\$0)	(\$14)
PBOP Balancing Account (PBOPBA)	\$0	(\$21)	(\$0)	(\$8)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	(\$3)	\$0	\$1	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$2	\$27	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	(\$20)	\$0	\$7	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$64	\$979	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	(\$6)	\$0	\$2	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$15	\$222	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	\$0	(\$1)	(\$0)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	\$0	\$13,179	(\$190)	(\$3,235)
System Operator Gas Account (SOGA)	\$0	\$0	\$0	(\$1)
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$0	\$8	\$0	\$3
Total Regulatory Accounts	\$42	\$14,769	(\$149)	(\$3,641)
	\$0	\$0	\$0	\$0
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$1,775	\$43,870	\$191	\$6,028
EOR Revenue allocated to Other Classes \$000	\$0	(\$326)	(\$4)	(\$85)
EOR Costs allocated to Other Classes \$000	(\$1,775)	(\$1,565)	\$3	\$54
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$0	\$41,979	\$190	\$5,997
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	0	(79,542)	6,126	(132,942)
Average Rate w/oBTS \$/th	\$0.00000	\$0.01087	\$0.00013	\$0.00712
FFU Rate	0.00%	0.00%	0.00%	0.00%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	(22,629)	(102,170)	6,126	(132,942)
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$0	\$41,979	\$190	\$5,997
SW NGV Adjustment	\$0	\$0	\$0	\$0
SW EG Adjustment	\$0	\$795	\$0	\$0

COST COMPONENTS \$000's	Total Retail Non			
	EOR	Core	Long Beach	SDG&E
TLS Adjustment				
Amount allocated to TLS Class \$000	\$0	(\$23,505)	(\$190)	\$0
TLS revenue paid by class @ average TLS rate \$000	\$0	\$19,215	\$763	\$0
	\$0	(\$4,291)	\$573	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$0	\$38,483	\$763	\$5,997
<i>Rate Tables</i>	\$0	\$38,483	\$763	\$5,997
<i>difference</i>	\$0	\$0	\$0	\$0
AYTP Mth/yr	0	(79,542)	6,126	(132,942)
Average Rate w/oBTS \$/th	\$0.00000	\$0.01004	\$0.00802	\$0.00712
<i>Rate Tables</i>	\$0.00000	\$0.01004	\$0.00802	\$0.00712
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	(\$439)	\$412	\$223	(\$2,538)
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	(\$439)	\$38,896	\$986	\$3,459
Average Rate w/ BTS \$/th	\$0.00000	\$0.01066	\$0.00864	\$0.00800
<i>Rate Tables</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	0.1%	1.4%	0.0%	0.3%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	0.1%	1.4%	0.0%	0.5%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	0.0%	1.8%	0.0%	0.3%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	0.0%	1.6%	0.0%	0.3%

**SoCalGas Reconcile Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	Sout West Gas	Vernon	Total Whole sale	Ecogas
Base Margin Costs:				
Customer Related Costs	(\$165)	(\$92)	(\$319)	(\$65)
Medium Pressure Distribution Costs	\$0	\$0	\$0	\$0
High Pressure Distribution Costs	\$0	\$0	\$0	\$0
Backbone Transmission Costs	\$179	\$224	(\$508)	\$550
Local Transmission Costs	\$63	\$6	(\$1,238)	\$146
Storage - Seasonal	\$0	\$0	\$4,898	\$0
Storage - Load Balancing	\$316	\$462	\$6,071	\$619
Storage - TBS	\$0	\$0	\$0	\$0
Uncollectibles	\$0	\$0	\$0	\$0
NGV compression adder	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbndle w/FFU	\$394	\$599	\$8,904	\$1,250
Less Backbone Transmission Costs	(\$179)	(\$224)	\$508	(\$550)
Less Local Transmission Costs	(\$63)	(\$6)	\$1,238	(\$146)
Plus Local Transmission Costs w/SI, FFU	\$63	\$5	\$102	\$146
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$214	\$375	\$10,751	\$700

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$0	\$0	\$0	\$0
n/a	\$0	\$0	\$0	\$0
Company Use Gas: Other	\$2	\$2	\$19	\$5
Company Use Gas: Storage Load Balancing	\$2	\$2	\$19	\$5
AMI	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$2	\$3	\$33	\$3
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$0	\$0	(\$181)	\$29
n/a	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	(\$1)	(\$2)	(\$33)	(\$2)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Re	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	Sout West Gas	Vernon	Total Whole sale	Ecogas
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$4	\$5	(\$143)	\$39
<u>Regulatory Accounts</u>				
Affiliate Transfer Fee Account (ATFA)	(\$0)	(\$0)	(\$1)	(\$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)	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$0)	(\$0)	(\$1)	(\$0)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$0	\$0	\$0
Enhanced Oil Recovery Account (EORA)	(\$0)	(\$1)	(\$22)	(\$1)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA) Trans	\$7	\$1	\$12	\$14
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$0	\$1	(\$12)	\$4
Intervenor Award Memorandum Account (IAMA)	\$0	\$1	(\$10)	\$3
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$1	\$0
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$1	\$1	\$28	\$2
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$1	\$0
Noncore Fixed Cost Account (NFCA) Margin	\$7	\$0	(\$150)	(\$10)
Noncore Fixed Cost Account (NFCA) Nonmargin	\$0	\$1	(\$12)	\$4

COST COMPONENTS \$000's	Sout West Gas	Vernon	Total Whole sale	Ecogas
Integrated Transmission Balancing Account (ITBA) Margin	\$2	\$2	\$6	\$7
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$1	\$2	\$5	\$5
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$0)	(\$0)	\$5	(\$2)
System Reliability Memorandum Account (SRMA)	\$3	\$4	(\$70)	\$24
Noncore Storage Balancing Account (NSBA)	\$3	\$5	(\$92)	\$32
Pension Balancing Account (PBA)	(\$0)	(\$1)	(\$15)	(\$1)
PBOP Balancing Account (PBOPBA)	(\$0)	(\$0)	(\$9)	(\$1)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$2	\$0	\$3	\$4
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$13	\$2	\$22	\$26
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$4	\$1	\$7	\$8
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$0	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	(\$0)	(\$0)	(\$0)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	(\$169)	(\$246)	(\$3,840)	(\$236)
System Operator Gas Account (SOGA)	\$0	\$0	(\$1)	\$0
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$0	\$0	\$3	\$0
Total Regulatory Accounts	(\$127)	(\$227)	(\$4,143)	(\$117)
	\$0	\$0	\$0	\$0
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$91	\$154	\$6,464	\$622
EOR Revenue allocated to Other Classes \$000	(\$3)	(\$4)	(\$97)	(\$6)
EOR Costs allocated to Other Classes \$000	\$2	\$3	\$62	\$4
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$90	\$153	\$6,429	\$620
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	1,064	1,753	(123,999)	24,921
Average Rate w/oBTS \$/th	\$0.00083	\$0.00119	\$0.00625	\$0.00129
FFU Rate	0.00%	0.00%	0.00%	0.00%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	1,064	1,753	(123,999)	24,921
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$90	\$153	\$6,429	\$620
SW NGV Adjustment	\$0	\$0	\$0	\$0
SW EG Adjustment	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	Sout West Gas	Vernon	Total Whole sale	Ecogas
TLS Adjustment				
Amount allocated to TLS Class \$000	(\$90)	(\$153)	(\$432)	(\$620)
TLS revenue paid by class @ average TLS rate \$000	\$554	\$813	\$2,130	\$1,440
	\$464	\$660	\$1,698	\$820
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$554	\$813	\$8,127	\$1,440
<i>Rate Tables</i>	\$554	\$813	\$8,127	\$1,440
<i>difference</i>	\$0	\$0	\$0	\$0
AYTP Mth/yr	1,064	1,753	(123,999)	24,921
Average Rate w/oBTS \$/th	\$0.00802	\$0.00802	\$0.00740	\$0.00802
<i>Rate Tables</i>	\$0.00802	\$0.00802	\$0.00000	\$0.00802
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$207	\$248	(\$1,861)	\$728
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$762	\$1,060	\$6,267	\$2,168
Average Rate w/ BTS \$/th	\$0.01072	\$0.01011	\$0.00844	\$0.00873
<i>Rate Tables</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	0.0%	0.0%	0.4%	0.1%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	0.0%	0.0%	0.5%	0.0%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	0.0%	0.0%	0.3%	0.0%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	0.0%	0.0%	0.3%	0.1%

**SoCalGas Reconcile Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	TBS	Total Non Core	Total System \$000
Base Margin Costs:			
Customer Related Costs	\$0	\$4,520	\$138,357
Medium Pressure Distribution Costs	\$0	(\$5,785)	(\$228,162)
High Pressure Distribution Costs	\$0	\$10,113	\$38,676
Backbone Transmission Costs	\$0	\$2,852	\$4,860
Local Transmission Costs	\$0	(\$1,456)	(\$2,250)
Storage - Seasonal	\$0	\$4,898	\$33,854
Storage - Load Balancing	\$0	\$26,835	\$43,261
Storage - TBS	(\$23,290)	(\$23,290)	(\$23,290)
Uncollectibles	\$0	\$91	\$17
NGV compression adder	\$0	\$0	\$524
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	(\$23,290)	\$18,778	\$5,847
Less Backbone Transmission Costs	\$0	(\$2,852)	(\$4,860)
Less Local Transmission Costs	\$0	\$1,456	\$2,250
Plus Local Transmission Costs w/SI, FFU	\$0	(\$128)	(\$939)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$23,290)	\$17,254	\$2,298

Other Operating Costs and Revenues				F&U Amount \$000
AB32 Fees (subtracted from base margin and allocated here)	\$0	\$41	\$0	(\$0)
n/a	\$0	\$0	\$0	\$0
Company Use Gas: Other	\$0	\$109	\$178	\$3
Company Use Gas: Storage Load Balancing	\$0	\$109	\$177	\$0
AMI	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$0	\$135	\$225	\$0
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$0	(\$364)	(\$1,263)	(\$21)
n/a	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	\$0	(\$126)	(\$205)	(\$3)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Re	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	TBS	Total Non Core	Total System \$000	
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$0	(\$97)	(\$887)	(\$21)
<u>Regulatory Accounts</u>				
Affiliate Transfer Fee Account (ATFA)	\$0	(\$3)	\$0	\$0
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	\$0	(\$1)	\$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)	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	\$0	(\$4)	\$0	\$0
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$123	\$0	\$0
Enhanced Oil Recovery Account (EORA)	\$0	(\$79)	\$0	\$0
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA) Trans	\$0	\$26	\$0	\$0
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$0	(\$1)	\$0	\$0
Intervenor Award Memorandum Account (IAMA)	\$0	(\$1)	\$0	\$0
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$4	(\$0)	(\$0)
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$0	\$99	(\$0)	(\$0)
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$13	\$0	(\$0)
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$3	(\$0)	(\$0)
Noncore Fixed Cost Account (NFCA) Margin	\$0	\$0	\$0	\$0
Noncore Fixed Cost Account (NFCA) Nonmargin	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	TBS	Total Non Core	Total System \$000	
Integrated Transmission Balancing Account (ITBA) Margin	\$0	\$12	(\$0)	(\$0)
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$0	\$9	(\$0)	(\$0)
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$0	\$1	(\$0)	(\$0)
System Reliability Memorandum Account (SRMA)	\$0	(\$8)	\$0	\$0
Noncore Storage Balancing Account (NSBA)	\$0	(\$11)	\$0	\$0
Pension Balancing Account (PBA)	\$0	(\$53)	\$0	\$0
PBOP Balancing Account (PBOPBA)	\$0	(\$31)	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$0	\$7	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$27	(\$0)	(\$0)
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$0	\$49	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$979	(\$1)	(\$1)
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$0	\$15	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$222	(\$0)	(\$0)
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	\$0	(\$1)	\$0	\$0
Self-Generation Program Memorandum Account (SGPMA)	\$0	\$9,103	\$12	\$12
System Operator Gas Account (SOGA)	\$0	(\$0)	\$0	\$0
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$0	\$12	(\$0)	(\$0)
Total Regulatory Accounts	\$0	\$10,508	\$12	\$12
	\$0	\$0	\$0	\$0
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	(\$23,290)	\$27,666	\$1,423	\$0
EOR Revenue allocated to Other Classes \$000	\$0	(\$429)	(\$2,661)	\$0
EOR Costs allocated to Other Classes \$000	\$0	(\$1,499)	\$0	\$0
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	(\$23,290)	\$25,738	(\$1,238)	\$0
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	0	(178,619)	(274,985)	0
Average Rate w/oBTS \$/th	\$0.00000	\$0.00570	\$0.00747	\$0.00000
FFU Rate	0.00%	0.00%	0.00%	0.00%
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	0	(201,248)	(297,614)	0
			\$12.9	
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	(\$23,290)	\$25,738	(\$1,238)	\$0
SW NGV Adjustment	\$0	\$0	(\$32)	\$0
SW EG Adjustment	\$0	\$795	\$795	\$0

COST COMPONENTS \$000's	TBS	Total Non Core	Total System \$000	
TLS Adjustment				
Amount allocated to TLS Class \$000	\$0	(\$24,558)	(\$24,558)	\$0
TLS revenue paid by class @ average TLS rate \$000	\$0	\$22,784	\$22,784	\$0
	\$0	(\$1,773)	(\$1,773)	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	(\$23,290)	\$24,760	(\$2,248)	\$0
<i>Rate Tables</i>	<i>(\$23,290)</i>	<i>\$24,760</i>	<i>(\$2,248)</i>	<i>\$0</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	0	(178,619)	(274,985)	0
Average Rate w/oBTS \$/th	\$0.00000	\$0.00553	\$0.00736	\$0.00000
<i>Rate Tables</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00736</i>	<i>\$0.00000</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
BTS w/FFU Charge \$000	\$0	(\$721)	(\$1,063)	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	(\$23,290)	\$24,039	(\$3,311)	\$0
Average Rate w/ BTS \$/th	\$0.00000	\$0.00627	\$0.00807	\$0.00000
<i>Rate Tables</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>(\$3,310.67959)</i>	<i>\$0.00000</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	-1.0%	0.8%	0.0%	0.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	-1.1%	0.8%	0.0%	0.0%
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	-1.0%	1.1%	0.0%	0.0%
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	-1.0%	1.0%	0.0%	0.0%

**SoCalGas Reconcile Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	NCCI-D	EG-D1
Base Margin Costs:		
Customer Related Costs	\$5,276	(\$496)
Medium Pressure Distribution Costs	(\$5,333)	(\$459)
High Pressure Distribution Costs	\$6,632	\$689
Backbone Transmission Costs	\$1,908	\$286
Local Transmission Costs	\$721	\$91
Storage - Seasonal	\$0	\$0
Storage - Load Balancing	\$4,493	\$449
Storage - TBS	\$0	\$0
Uncollectibles	\$41	\$2
NGV compression adder	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$13,738	\$561
Less Backbone Transmission Costs	(\$1,908)	(\$286)
Less Local Transmission Costs	(\$721)	(\$91)
Plus Local Transmission Costs w/SI, FFU	\$720	\$90
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$11,829	\$275

Other Operating Costs and Revenues	Total Allocated \$000		
AB32 Fees (subtracted from base margin and allocated here)	\$0	\$49	\$10
n/a	\$0	\$0	\$0
Company Use Gas: Other	\$175	\$25	\$3
Company Use Gas: Storage Load Balancing	\$177	\$24	\$3
AMI	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$225	\$23	\$2
Fuel Cell Equipment Revenues	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0
Unaccounted For (UAF) Gas	(\$1,242)	\$50	\$12
n/a	\$0	\$0	\$0
Well Incidents & Surface Leaks	(\$201)	(\$17)	(\$1)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Re	\$0	\$0	\$0

COST COMPONENTS \$000's		NCCI-D	EG-D1
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	(\$866)	\$154	\$29
<u>Regulatory Accounts</u>			
Affiliate Transfer Fee Account (ATFA)	\$0	(\$1)	(\$0)
Biogas Conditioning/Upgrading Services Balancing Account (BCSBA)	\$0	(\$0)	(\$0)
Blythe Operational Flow Requirement Memorandum Account (BOFRMA)	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0
FERC Settlement Proceeds Memorandum Account (FSPMA)	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	\$0	(\$1)	(\$0)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$21	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$203	\$0
Enhanced Oil Recovery Account (EORA)	\$0	(\$24)	(\$0)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA) Trans	\$0	\$71	\$9
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$0	\$12	\$2
Intervenor Award Memorandum Account (IAMA)	\$0	\$10	\$2
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$1	\$0
PCB Expense Account (PCBEA)	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$0	\$30	\$0
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$16	\$3
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$1	\$0
Noncore Fixed Cost Account (NFCA) Margin	\$0	\$127	\$78
Noncore Fixed Cost Account (NFCA) Nonmargin	\$0	\$13	\$2

COST COMPONENTS \$000's		NCCI-D	EG-D1
Integrated Transmission Balancing Account (ITBA) Margin	\$0	\$18	\$3
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$0	\$14	\$3
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	\$0	(\$5)	(\$1)
System Reliability Memorandum Account (SRMA)	\$0	\$69	\$12
Noncore Storage Balancing Account (NSBA)	\$0	\$92	\$15
Pension Balancing Account (PBA)	\$0	(\$16)	(\$0)
PBOP Balancing Account (PBOPBA)	\$0	(\$9)	(\$0)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$0	\$18	\$2
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$17	\$2
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$0	\$136	\$17
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$630	\$80
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$0	\$42	\$5
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$143	\$18
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	\$0	(\$0)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	\$0	(\$2,243)	\$626
System Operator Gas Account (SOGA)	\$0	\$1	\$0
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$0	\$3	\$0
Total Regulatory Accounts	\$0	(\$611)	\$879
	\$0	\$0	\$0
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$0	\$11,373	\$1,183
EOR Revenue allocated to Other Classes \$000	\$0	(\$149)	(\$14)
EOR Costs allocated to Other Classes \$000	\$0	\$97	\$10
Gas Engine Rate CAP adjustment	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$0	\$11,320	\$1,178
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	0	\$54,633	\$11,242
Average Rate w/oBTS \$/th	\$0.00000	\$0	(\$0)
FFU Rate	0.00%	\$0	\$0
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	0	\$54,633	\$11,242
Sempra Wide & TLS Adjustments::			
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$0	\$11,320	\$1,178
SW NGV Adjustment	\$0	\$0	\$0
SW EG Adjustment	\$0	\$0	\$527

COST COMPONENTS \$000's

NCCI-D

EG-D1

TLS Adjustment			
Amount allocated to TLS Class \$000	\$0	\$0	\$0
TLS revenue paid by class @ average TLS rate \$000	\$0	\$0	\$0
	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$0	\$11,320	\$1,705
<i>Rate Tables</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	0	\$54,633	\$11,242
Average Rate w/oBTS \$/th	\$0.00000	\$0	\$0
<i>Rate Tables</i>	<i>\$0.00000</i>	<i>\$0</i>	<i>\$0</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0</i>	<i>\$0</i>
BTS w/FFU Charge \$000	\$0	\$2,063	\$354
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$0	\$13,383	\$1,532
Average Rate w/ BTS \$/th	\$0.00000	\$0	(\$0)
<i>Rate Tables</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
Effective Allocation %'s:			
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	0.0%	\$0	\$0
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	0.0%	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	0.0%	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	0.0%	\$0	\$0

**SoCalGas Reconcile Cost Allocation
2020 TCAP Application**

TLS:

COST COMPONENTS \$000's	EG-D2	NCCI-T	EG-T	LB
Base Margin Costs:				
Customer Related Costs	\$392	\$103	(\$394)	(\$97)
Medium Pressure Distribution Costs	\$23	\$0	\$0	\$0
High Pressure Distribution Costs	\$1,824	\$0	\$0	\$0
Backbone Transmission Costs	\$859	\$72	(\$147)	\$198
Local Transmission Costs	\$230	\$281	(\$1,551)	\$33
Storage - Seasonal	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$1,246	\$2,856	\$10,180	\$393
Storage - TBS	\$0	\$0	\$0	\$0
Uncollectibles	\$14	\$10	\$24	\$0
NGV compression adder	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$4,588	\$3,323	\$8,113	\$527
Less Backbone Transmission Costs	(\$859)	(\$72)	\$147	(\$198)
Less Local Transmission Costs	(\$230)	(\$281)	\$1,551	(\$33)
Plus Local Transmission Costs w/SI, FFU	\$230	\$280	(\$1,559)	\$33
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$3,729	\$3,249	\$8,252	\$329

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$29	(\$20)	(\$27)	\$0
n/a	\$0	\$0	\$0	\$0
Company Use Gas: Other	\$8	\$11	\$36	\$2
Company Use Gas: Storage Load Balancing	\$8	\$11	\$36	\$2
AMI	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$6	\$15	\$52	\$2
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$39	(\$55)	(\$227)	\$6
n/a	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	(\$3)	(\$15)	(\$54)	(\$1)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Re	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	EG-D2	NCCI-T	EG-T	LB
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$88	(\$54)	(\$183)	\$11
				\$0
Regulatory Accounts				0
Affiliate Transfer Fee Account (ATFA)	(\$0)	(\$0)	(\$1)	(\$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)	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$0)	(\$0)	(\$1)	(\$0)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	(\$21)	\$0	\$0
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	(\$80)	\$0	\$0
Enhanced Oil Recovery Account (EORA)	(\$8)	(\$7)	(\$17)	(\$1)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA) Trans	\$22	\$30	(\$122)	\$4
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$6	(\$2)	(\$12)	\$1
Intervenor Award Memorandum Account (IAMA)	\$5	(\$2)	(\$9)	\$1
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$1	\$0
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$10	\$8	\$21	\$1
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$10	(\$7)	(\$9)	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$1	\$0
Noncore Fixed Cost Account (NFCA) Margin	(\$18)	(\$28)	\$1	\$4
Noncore Fixed Cost Account (NFCA) Nonmargin	\$6	(\$2)	(\$11)	\$1

COST COMPONENTS \$000's	EG-D2	NCCI-T	EG-T	LB
Integrated Transmission Balancing Account (ITBA) Margin	\$10	(\$6)	(\$27)	\$2
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$8	(\$5)	(\$21)	\$2
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$2)	\$1	\$4	(\$0)
System Reliability Memorandum Account (SRMA)	\$36	(\$13)	(\$66)	\$7
Noncore Storage Balancing Account (NSBA)	\$47	(\$17)	(\$88)	\$9
Pension Balancing Account (PBA)	(\$5)	(\$5)	(\$11)	(\$0)
PBOP Balancing Account (PBOPBA)	(\$3)	(\$3)	(\$7)	(\$0)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$6	\$8	(\$32)	\$1
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$6	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$43	\$58	(\$233)	\$7
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$204	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$13	\$18	(\$73)	\$2
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$46	\$0	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	(\$0)	(\$0)	(\$0)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	\$1,731	(\$1,712)	\$14,778	(\$190)
System Operator Gas Account (SOGA)	\$0	(\$0)	(\$1)	\$0
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$1	\$1	\$2	\$0
Total Regulatory Accounts	\$2,173	(\$1,783)	\$14,069	(\$149)
	\$0	\$0	\$0	\$0
Core Interstate Pipeline Demand Charges (IPDC)	\$0	\$0	\$0	\$0
Transport Rev Req before EOR & G-EN CAP adjustments \$000	\$5,989	\$1,412	\$22,138	\$191
EOR Revenue allocated to Other Classes \$000	(\$39)	(\$32)	(\$91)	(\$4)
EOR Costs allocated to Other Classes \$000	\$25	\$20	\$59	\$3
Gas Engine Rate CAP adjustment	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$5,975	\$1,400	\$22,105	\$190
AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr	\$35,104	(\$34,158)	(\$146,364)	\$6,126
Average Rate w/oBTS \$/th	\$0	\$0	\$0	\$0
FFU Rate	\$0	\$0	\$0	\$0
AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr	\$35,104	(\$34,158)	(\$146,364)	\$6,126
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$5,975	\$1,400	\$22,105	\$190
SW NGV Adjustment	\$0	\$0	\$0	\$0
SW EG Adjustment	\$268	\$0	\$0	\$0

COST COMPONENTS \$000's	EG-D2	NCCI-T	EG-T	LB
TLS Adjustment				
Amount allocated to TLS Class \$000	\$0	(\$1,400)	(\$22,105)	(\$190)
TLS revenue paid by class @ average TLS rate \$000	\$0	\$4,218	\$14,996	\$763
	\$0	\$2,818	(\$7,109)	\$573
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$6,244	\$4,218	\$14,996	\$763
<i>Rate Tables</i>	\$0	\$0	\$0	\$763
<i>difference</i>	\$0	\$0	\$0	\$0
AYTP Mth/yr	\$35,104	(\$34,158)	(\$146,364)	\$6,126
Average Rate w/oBTS \$/th	\$0	\$0	\$0	\$0
<i>Rate Tables</i>	\$0	\$0	\$0	\$0
<i>difference</i>	\$0	\$0	\$0	\$0
BTS w/FFU Charge \$000	\$1,081	(\$444)	(\$2,204)	\$223
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$7,057	\$957	\$19,901	\$986
Average Rate w/ BTS \$/th	\$0	\$0	\$0	\$0
<i>Rate Tables</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$0	\$0	\$0	\$0
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$0	\$0	\$0	\$0

**SoCalGas Reconcile Cost Allocation
2020 TCAP Application**

COST COMPONENTS \$000's	SWG	Vernon	Ecogas	Total SCG's TLS
Base Margin Costs:				
Customer Related Costs	(\$165)	(\$92)	(\$65)	(\$710)
Medium Pressure Distribution Costs	\$0	\$0	\$0	\$0
High Pressure Distribution Costs	\$0	\$0	\$0	\$0
Backbone Transmission Costs	\$179	\$224	\$550	\$1,077
Local Transmission Costs	\$63	\$6	\$146	(\$1,021)
Storage - Seasonal	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$316	\$462	\$619	\$14,827
Storage - TBS	\$0	\$0	\$0	\$0
Uncollectibles	\$0	\$0	\$0	\$34
NGV compression adder	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$394	\$599	\$1,250	\$14,206
Less Backbone Transmission Costs	(\$179)	(\$224)	(\$550)	(\$1,077)
Less Local Transmission Costs	(\$63)	(\$6)	(\$146)	\$1,021
Plus Local Transmission Costs w/SI, FFU	\$63	\$5	\$146	(\$1,031)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$214	\$375	\$700	\$26,238

Other Operating Costs and Revenues

AB32 Fees (subtracted from base margin and allocated here)	\$0	\$0	\$0	(\$47)
n/a	\$0	\$0	\$0	\$0
Company Use Gas: Other	\$2	\$2	\$5	\$58
Company Use Gas: Storage Load Balancing	\$2	\$2	\$5	\$58
AMI	\$0	\$0	\$0	\$0
Exchange Revenues & Interutility Transactions	\$2	\$3	\$3	\$77
Fuel Cell Equipment Revenues	\$0	\$0	\$0	\$0
Marketing: DSM Program Awards	\$0	\$0	\$0	\$0
Unaccounted For (UAF) Gas	\$0	\$0	\$29	(\$247)
n/a	\$0	\$0	\$0	\$0
Well Incidents & Surface Leaks	(\$1)	(\$2)	(\$2)	(\$75)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Re	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	SWG	Vernon	Ecogas	Total SCG's TLS
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$4	\$5	\$39	(\$177)
	\$0	\$0	\$0	
Regulatory Accounts	0	0	0	
Affiliate Transfer Fee Account (ATFA)	(\$0)	(\$0)	(\$0)	(\$1)
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)	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
DEDUCTIBLE TAX REPAIRS BENEFITS MEMORANDUM ACCOUNT (DTRBMA)	\$0	\$0	\$0	\$0
Distributed Energy Resources Svcs Bal Account (DERSBA)	(\$0)	(\$0)	(\$0)	(\$1)
Firm Access & Storage Rights Memorandum Account (FARSMA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account (CFCA)	\$0	\$0	\$0	\$0
Core Fixed Cost Account - NGV (CFCA)	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$0	\$0	\$0	\$0
Economic Practicality Shortfall Memorandum Account (EPSMA)	\$0	\$0	\$0	(\$21)
California Solar Initiative Thermal Memorandum Account (CSITPMA)	\$0	\$0	\$0	(\$80)
Enhanced Oil Recovery Account (EORA)	(\$0)	(\$1)	(\$1)	(\$27)
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA) Trans	\$7	\$1	\$14	(\$66)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0
Hazardous Substance Cost-Recovery Account (HSCRA)	\$0	\$1	\$4	(\$7)
Intervenor Award Memorandum Account (IAMA)	\$0	\$1	\$3	(\$6)
Gain / Loss on Sale Memorandum Account (GLOSMA)	\$0	\$0	\$0	\$1
PCB Expense Account (PCBEA)	\$0	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	\$1	\$1	\$2	\$34
Montebello True-Up Tracking Account (MTTA)	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	(\$16)
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$0	\$1
Noncore Fixed Cost Account (NFCA) Margin	\$7	\$0	(\$10)	(\$25)
Noncore Fixed Cost Account (NFCA) Nonmargin	\$0	\$1	\$4	(\$7)

COST COMPONENTS \$000's	SWG	Vernon	Ecogas	Total SCG's TLS
Integrated Transmission Balancing Account (ITBA) Margin	\$2	\$2	\$7	(\$20)
Integrated Transmission Balancing Account (ITBA) Nonmargin	\$0	\$0	\$0	\$0
Compressor Station Fuel and Power Balancing Account (CFPBA)	\$1	\$2	\$5	(\$15)
Compression Services Balancing Account (CSBA)	\$0	\$0	\$0	\$0
Company-Use Fuel for Load Balancing Account (CUFLBA)	(\$0)	(\$0)	(\$2)	\$3
System Reliability Memorandum Account (SRMA)	\$3	\$4	\$24	(\$42)
Noncore Storage Balancing Account (NSBA)	\$3	\$5	\$32	(\$55)
Pension Balancing Account (PBA)	(\$0)	(\$1)	(\$1)	(\$18)
PBOP Balancing Account (PBOPBA)	(\$0)	(\$0)	(\$1)	(\$10)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$2	\$0	\$4	(\$17)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$13	\$2	\$26	(\$126)
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$0	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$4	\$1	\$8	(\$39)
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$0	\$0	\$0	\$0
Research Development and Demonstration Expense Account (RDDEA)	\$0	\$0	\$0	\$0
Research Royalty Memorandum Account (RRMA)	(\$0)	(\$0)	(\$0)	(\$0)
Self-Generation Program Memorandum Account (SGPMA)	(\$169)	(\$246)	(\$236)	\$12,225
System Operator Gas Account (SOGA)	\$0	\$0	\$0	(\$1)
Natural Gas Appliance Testing Memo Account (NGATMA)	\$0	\$0	\$0	\$0
Rewards & Penalties Balancing Account (RPBA)	\$0	\$0	\$0	\$4
Total Regulatory Accounts	(\$127)	(\$227)	(\$117)	\$11,666
	\$0	\$0	\$0	\$0
<u>Core Interstate Pipeline Demand Charges (IPDC)</u>	\$0	\$0	\$0	\$0
<u>Transport Rev Req before EOR & G-EN CAP adjustments \$000</u>	\$91	\$154	\$622	\$24,608
<u>EOR Revenue allocated to Other Classes \$000</u>	(\$3)	(\$4)	(\$6)	(\$141)
<u>EOR Costs allocated to Other Classes \$000</u>	\$2	\$3	\$4	\$91
<u>Gas Engine Rate CAP adjustment</u>	\$0	\$0	\$0	\$0
<u>Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr</u>	\$90	\$153	\$620	\$24,558
<u>AVERAGE YEAR THROUGHPUT w/o EOR, Mth/yr</u>	\$1,064	\$1,753	\$24,921	(\$146,658)
<u>Average Rate w/oBTS \$/th</u>	\$0	\$0	\$0	\$0
<u>FFU Rate</u>	\$0	\$0	\$0	\$0
<u>AVERAGE YEAR THROUGHPUT w/EOR, Mth/yr</u>	\$1,064	\$1,753	\$24,921	(\$146,658)
	\$0	\$0	\$0	\$0
Sempra Wide & TLS Adjustments::	(\$2,132)	(\$2,000)	(\$1,722)	(\$5,854)
Transport Rev Req w/Sl, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$90	\$153	\$620	\$24,558
SW NGV Adjustment	\$0	\$0	\$0	\$0
SW EG Adjustment	\$0	\$0	\$0	\$0

COST COMPONENTS \$000's	SWG	Vernon	Ecogas	Total SCG's TLS
TLS Adjustment				
Amount allocated to TLS Class \$000	(\$90)	(\$153)	(\$620)	(\$24,558)
TLS revenue paid by class @ average TLS rate \$000	\$554	\$813	\$1,440	\$22,784
	\$464	\$660	\$820	(\$1,773)
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$554	\$813	\$1,440	\$22,784
<i>Rate Tables</i>	\$554	\$813	\$1,440	\$3,570
<i>difference</i>	\$0	\$0	\$0	\$0
AYTP Mth/yr	\$1,064	\$1,753	\$24,921	(\$146,658)
Average Rate w/oBTS \$/th	\$0	\$0	\$0	\$0
<i>Rate Tables</i>	\$0	\$0	\$0	\$0
<i>difference</i>	\$0	\$0	\$0	\$0
BTS w/FFU Charge \$000	\$207	\$248	\$728	(\$1,242)
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS, BTS Rev \$000/yr	\$762	\$1,060	\$2,168	\$25,833
Average Rate w/ BTS \$/th	\$0	\$0	\$0	\$0
<i>Rate Tables</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$0	\$0	\$0	\$0
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr w/o BTS Rev, SW adj, TLS \$000/yr	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, EOR Cr, SW adj, TLS w/o BTS Rev \$000/yr	\$0	\$0	\$0	\$0

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	Dec
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SoCalGas CCI Bill Impact
2020 TCAP Application

Small Core C&I Customers
300
500

Large Core C&I Customers
6,250
12,500
20,833

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer 2018.
- 3) G-SRF rate in 2018

	Monthly Average	Monthly Average	Monthly Average	Monthly Average	300 Monthly Average	500 Monthly Average	6,250 Monthly Average	12,500 Monthly Average	20,833 Monthly Average
SCG Core C&I - Current Rates:									
Customer Charge Tier 1 \$/day =	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315
Customer Charge Tier 2 \$/day =	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315
Tier 1 Rate \$/th =	\$0.54611	\$0.54611	\$0.54611	\$0.54611	\$0.54611	\$0.54611	\$0.54611	\$0.54611	\$0.54611
Tier 2 Rate \$/th =	\$0.29831	\$0.29831	\$0.29831	\$0.29831	\$0.29831	\$0.29831	\$0.29831	\$0.29831	\$0.29831
Tier 3 Rate \$/th =	\$0.13216	\$0.13216	\$0.13216	\$0.13216	\$0.13216	\$0.13216	\$0.13216	\$0.13216	\$0.13216
G-CPC \$/th =	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690
PPPS \$/th =	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416
G-PUC Regulatory fee \$/th =	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166
Effective Average Rate \$/th	\$0.94883	\$0.65949	\$0.51180	\$0.49334	\$0.89753	\$0.79493	\$0.59796	\$0.53642	\$0.51180
# days in month =	30	30	30	30	30	30	30	30	30
Tier Usage Limits (i.e. maximum # of therms charged at each tier):									
Tier 1 usage limit th/mo =	250	250	250	250	250	250	250	250	250
Tier 2 usage limit th/mo =	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167
Tier 3 no limit									
Total th used th/year =	3,000	50,000	250,000	500,000	3,600	6,000	75,000	150,000	249,996
Total th used th/mo =	250	4,167	20,833	41,667	300	500	6,250	12,500	20,833
Tier 1 therms =	250	250	250	250	250	250	250	250	250
therms remaining to be classified	0	3,917	20,583	41,417	50	250	6,000	12,250	20,583
Tier 2 therms =	0	3,917	3,917	3,917	50	250	3,917	3,917	3,917
Tier 3 therms =	0	0	16,666	37,500	0	0	2,083	8,333	16,666
therms accounted for	250	4,167	20,833	41,667	300	500	6,250	12,500	20,833
							\$1,595.31		
Customer Charge \$/mo =	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00
Tier 1 charges \$/mo =	\$136.53	\$136.53	\$136.53	\$136.53	\$136.53	\$136.53	\$136.53	\$136.53	\$136.53
Tier 2 charges \$/mo =	\$0.00	\$1,168.39	\$1,168.49	\$1,168.49	\$14.92	\$74.58	\$1,168.49	\$1,168.49	\$1,168.49
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$2,202.67	\$4,956.06	\$0.00	\$0.00	\$275.30	\$1,101.31	\$2,202.63
Commodity Charge \$/mo =	\$69.22	\$1,153.74	\$5,768.70	\$11,537.39	\$83.07	\$138.45	\$1,730.61	\$3,461.22	\$5,768.60
PPPS charge \$/mo =	\$16.04	\$267.32	\$1,336.60	\$2,673.19	\$19.25	\$32.08	\$400.98	\$801.96	\$1,336.58
G-PUC Regulatory Fee \$/mo =	\$0.42	\$6.92	\$34.58	\$69.17	\$0.50	\$0.83	\$10.38	\$20.75	\$34.58
Total Charge \$/mo =	\$237.21	\$2,747.89	\$10,662.56	\$20,555.83	\$269.26	\$397.46	\$3,737.27	\$6,705.25	\$10,662.40

SoCalGas CCI Bill Impact
2020 TCAP Application

Small Core C&I Customers
300
500

Large Core C&I Customers
6250
12500
20833

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer 2018.
- 3) G-SRF rate in 2018

	Monthly Average	Monthly Average	Monthly Average	Monthly Average	300 Monthly Average	500 Monthly Average	6,250 Monthly Average	12,500 Monthly Average	20,833 Monthly Average
SCG Core C&I - Proposed Rates:									
Customer Charge Tier 1 \$/day =	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315
Customer Charge Tier 2 \$/day =	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315	\$0.49315
Tier 1 Rate \$/th =	\$0.65506	\$0.65506	\$0.65506	\$0.65506	\$0.65506	\$0.65506	\$0.65506	\$0.65506	\$0.65506
Tier 2 Rate \$/th =	\$0.35105	\$0.35105	\$0.35105	\$0.35105	\$0.35105	\$0.35105	\$0.35105	\$0.35105	\$0.35105
Tier 3 Rate \$/th =	\$0.14721	\$0.14721	\$0.14721	\$0.14721	\$0.14721	\$0.14721	\$0.14721	\$0.14721	\$0.14721
G-CPC \$/th =	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690	\$0.27690
PPPS \$/th =	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416	\$0.06416
G-PUC Regulatory fee \$/th =	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166
Effective Average Rate \$/th	\$1.05777	\$0.71561	\$0.53507	\$0.51250	\$0.99711	\$0.87577	\$0.64039	\$0.56516	\$0.53507
# days in month =	30	30	30	30	30	30	30	30	30
Tier Usage Limits (i.e. maximum # of therms charged at each tier):									
Tier 1 usage limit th/mo =	250	250	250	250	250	250	250	250	250
Tier 2 usage limit th/mo =	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167
Tier 3 no limit									
Annual Usage	3,000	50,000	250,000	500,000					
Total th used th/mo =	250	4,167	20,833	41,667	300	500	6,250	12,500	20,833
Tier 1 therms =	250	250	250	250	250	250	250	250	250
therms remaining to be classified	0	3,917	20,583	41,417	50	250	6,000	12,250	20,583
Tier 2 therms =	0	3,917	3,917	3,917	50	250	3,917	3,917	3,917
Tier 3 therms =	0	0	16,666	37,500	0	0	2,083	8,333	16,666
therms accounted for	250	4,167	20,833	41,667	300	500	6,250	12,500	20,833
Customer Charge \$/mo =	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00
Tier 1 charges \$/mo =	\$163.76	\$163.76	\$163.76	\$163.76	\$163.76	\$163.76	\$163.76	\$163.76	\$163.76
Tier 2 charges \$/mo =	\$0.00	\$1,374.95	\$1,375.06	\$1,375.06	\$17.55	\$87.76	\$1,375.06	\$1,375.06	\$1,375.06
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$2,453.51	\$5,520.45	\$0.00	\$0.00	\$306.65	\$1,226.73	\$2,453.46
Commodity Charge \$/mo =	\$69.22	\$1,153.74	\$5,768.70	\$11,537.39	\$83.07	\$138.45	\$1,730.61	\$3,461.22	\$5,768.60
PPPS charge \$/mo =	\$16.04	\$267.32	\$1,336.60	\$2,673.19	\$19.25	\$32.08	\$400.98	\$801.96	\$1,336.58
G-PUC Regulatory Fee \$/mo =	\$0.42	\$6.92	\$34.58	\$69.17	\$0.50	\$0.83	\$10.38	\$20.75	\$34.58
Total Charge \$/mo =	\$264.44	\$2,981.69	\$11,147.21	\$21,354.03	\$299.13	\$437.88	\$4,002.44	\$7,064.48	\$11,147.05
Increase (decrease) from Current Rates \$/month	\$27.24	\$233.80	\$484.65	\$798.20	\$29.87	\$40.42	\$265.17	\$359.23	\$484.65
Full Transportation Rate (PRELIMINARY STATEMENT XI.I.2.b)	\$0.71506	\$0.37289	\$0.19235	\$0.16978	\$0.65439	\$0.53306	\$0.29768	\$0.22244	\$0.19235
Annual Usage	3,000	50,000	250,000	500,000	3,600	6,000	75,000	150,000	249,996
G-10, 0 to 3Mth/year									
G-10, 3-50 Mth/year									

**SoCalGas CCI Bill Impact
2020 TCAP Application**

Notes:

- 1) G-CP rate from TCAP
- 2) PPS rate for non-care customer 2018.
- 3) G-SRF rate in 2018

Small Core C&I Customers

300

500

Large Core C&I Customers

6250

12500

20833

Monthly Average	Monthly Average	Monthly Average	Monthly Average	300 Monthly Average	500 Monthly Average	6,250 Monthly Average	12,500 Monthly Average	20,833 Monthly Average
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G-10, 50-250 Mth/year
G-10, >250 Mth/year

Copy Values	Copy To (paste values)			Data From	Data To
	Copy From				
EOR-T Revenue	\$0	\$1,622	\$1,622	SCG RD Model / Trans Rate	SCG RD Model/ EOR
Post SW Average EG-D SCG Rate w/FFU \$/th	\$0.00000	\$0.08792	\$0.08792	EG-D Rates	SCG RD Model/ EOR

Data to SDGE RD Model	Model / Source		
Allocated Local T under SI w/FFU \$000 Res		\$3,418	SCG RD Model/Local & BBT Costs
Allocated Local T under SI w/FFU \$000 NGV		\$133	SCG RD Model/Local & BBT Costs
Allocated Local T under SI w/FFU \$000 Core C&I		\$1,589	SCG RD Model/Local & BBT Costs
Allocated Local T under SI w/FFU \$000 Total Core		\$5,141	SCG RD Model/Local & BBT Costs
Allocated Local T under SI w/FFU \$000 NCCI		\$269	SCG RD Model/Local & BBT Costs
Allocated Local T under SI w/FFU \$000 EG Tier 1		\$153	SCG RD Model/Local & BBT Costs
Allocated Local T under SI w/FFU \$000 EG Tier 2		\$2,668	SCG RD Model/Local & BBT Costs
Allocated Local T under SI w/FFU \$000 Total EG		\$2,821	SCG RD Model/Local & BBT Costs
Allocated Local T under SI w/FFU \$000 Total NonCore		\$3,090	SCG RD Model/Local & BBT Costs
Allocated Local T under SI w/FFU \$000 System Total		\$8,230	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 Res		\$7,695	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 NGV		\$541	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 Core C&I		\$4,554	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 Total Core		\$12,789	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 NCCI		\$1,052	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 EG Tier 1		\$666	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 EG Tier 2		\$11,214	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 Total EG		\$11,881	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 Total NonCore		\$12,933	SCG RD Model/Local & BBT Costs
Allocated BBT under SI w/FFU \$000 System Total		\$25,722	SCG RD Model/Local & BBT Costs
TLS Revenue NCCI-T EFBA Exempt \$000		\$498	SCG RD Model/Local T Rate
TLS Revenue EG-Tier 1 EFBA Exempt \$000		\$144	SCG RD Model/Local T Rate
TLS Revenue EG-Tier 2-T EFBA Exempt \$000		\$12,946	SCG RD Model/Local T Rate
TLS Class Average Rate NCCI T		\$0.02837	SCG RD Model/Local T Rate
TLS Class Average Rate EG T		\$0.02837	SCG RD Model/Local T Rate
Pre-SW TLS NCCI		\$489	SCG RD Model/Local T Rate
Post SW TLS NCCI		\$498	SCG RD Model/Local T Rate
Pre-SW TLS EG		\$13,818	SCG RD Model/Local T Rate
Post SW TLS EG		\$13,090	SCG RD Model/Local T Rate
EFBA adder			SCG RD Model/Local T Rate
TLS Revenue NCCI-T \$000		\$498	SCG RD Model/Local T Rate
TLS Revenue EG-Tier 1-T \$000		\$144	SCG RD Model/Local T Rate
TLS Revenue EG-Tier 2-T \$000		\$12,946	SCG RD Model/Local T Rate
TLS Volumes NCCI-T Mth/yr		17,569	SCG RD Model/Local T Rate
TLS Volumes EG-Tier1-T Mth/yr		5,074	SCG RD Model/Local T Rate
TLS Volumes EG-Tier2-T Mth/yr		456,289	SCG RD Model/Local T Rate
TLS SFV Mcapacity Reserved Mth/day		n/a	SCG RD Model/Local T Rate
TLS SFV Volumes Mth/year		n/a	SCG RD Model/Local T Rate
TLS ST VOL Volumes Mth/year		n/a	SCG RD Model/Local T Rate
TLS LT VOL Volumes Mth/year		n/a	SCG RD Model/Local T Rate
Est FAR Revenue from SDGE Res		\$9,140	SCG RD Model/Local & BBT Costs
Est FAR Revenue from SDGE NGV		\$642	SCG RD Model/Local & BBT Costs
Est FAR Revenue from SDGE CCI		\$5,409	SCG RD Model/Local & BBT Costs
Est FAR Revenue from SDGE NCCI		\$1,249	SCG RD Model/Local & BBT Costs
Est FAR Revenue from SDGE EG Tier 1		\$791	SCG RD Model/Local & BBT Costs
Est FAR Revenue from SDGE EG Tier 2		\$13,321	SCG RD Model/Local & BBT Costs
Est FAR Revenue from SDGE Customers		\$30,553	SCG RD Model/Local & BBT Costs
SCG Transport Only Costs Allocated to SDGE Core & Dist \$000		\$4,586	SCG RD Model/SDGE Detail Alloc & WS Rate
SCG Core Seasonal Storage		\$11,522	SCG RD Model/SDGE Detail Alloc & WS Rate
SCG Load Balancing Allocated to ALL SDGE \$000		\$8,447	SCG RD Model/Cost Alloc
SCG Core Seasonal Storage HRSMA		\$0	SCG RD Model/Storage Rates
SCG Load Balancing Allocated to ALL SDGE \$000 HRSMA		\$0	SCG RD Model/Storage Rates
SFV Base Margin Items = Reservation Charge \$/dth/day		\$0.00968	SCG RD Model / Trans Rate
ST Volumetric Base Margin Items \$/th		\$0.01437	SCG RD Model / Trans Rate
TLS LT VOL Rate \$/th		\$0.01437	SCG RD Model/TLS Rate
TLS CA Usage Fee (non base margin items) \$/th		\$0.01414	SCG RD Model / Trans Rate
TLS RS Usage Fee \$/th		\$0.01414	SCG RD Model / Trans Rate
120% Class Average Volumetric Rate \$/th		\$0.03279	
200% Class Average Volumetric Rate \$/th		\$0.03849	
EG Tier 1-D SW Volumetric Rate w/FFU \$/th Post-SW		\$0.12880	SCG RD model/EG-D Rates
EG Tier 2-D SW Volumetric w/FFU Rate \$/th Post-SW		\$0.07293	SCG RD model/EG-D Rates
EG Tier 1 (NoTLS) SW Volumetric Rate w/FFU \$/th Post-SW		n/a	SCG RD model/EG Rates NoTLS
EG Tier 2 (NoTLS) SW Volumetric w/FFU Rate \$/th Post-SW		n/a	SCG RD model/EG Rates NoTLS
SW Volumetric Rate w/FFU \$/th UnCompressed		\$0.12583	SCG RD model/NGV Rates
SW Volumetric Rate w/FFU \$/th Compressed		\$1.04809	SCG RD model/NGV Rates
SDGE ITBA Balance Post SI		\$0	SCG RD model/Misc Inputs
Unbundled BBT amount w/FFU		\$25,722	SCG RD model/Misc Inputs
BBT %			SCG RD model/Misc Inputs
Local %			SCG RD model/Misc Inputs
BTS Rate SFV \$/dth/day		\$0.26245	SCG Rate Tables
Current BTS Rate SFV \$/dth/day		\$0.26353	

Data From SDGE RD Model		Model / Source
SDGE AYTP mth/yr Res	313,234	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Core C&I	194,777	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	24,129	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Total Core	532,140	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Non Core C&I	46,945	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr EG Tier 1	29,736	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr EG Tier 2	500,494	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr EOR	0	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Total Retail Non Core	577,175	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	577,175	SDGE RD Model/ Alloc Factors
SDGE AYTP mth/yr Total System \$000	1,109,315	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Res	343,408	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Core C&I	203,236	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	24,129	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Total Core	570,773	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Non Core C&I	46,945	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr EG Tier 1	29,736	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr EG Tier 2	500,494	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr EOR	0	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Total Retail Non Core	577,175	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	577,175	SDGE RD Model/ Alloc Factors
SDGE CYTP mth/yr Total System \$000	1,147,948	SDGE RD Model/ Alloc Factors
SDGE's Core AYTP Mth/yr	532,140	SDGE RD Model/ Alloc Factors
NCCI-Distribution AYTP mth/yr	29,376	SDGE RD Model/ Alloc Factors
EG-Tier 1 Distribution AYTP mth/yr	24,662	SDGE RD Model/ Alloc Factors
EG-Tier 2 Distribution AYTP mth/yr	44,206	SDGE RD Model/ Alloc Factors
SDGE's Core # customers	905,032	SDGE RD Model/ Alloc Factors
NCCI-Distribution # customers	44	SDGE RD Model/ Alloc Factors
EG-Tier 1 Distribution # customers	69	SDGE RD Model/ Alloc Factors
EG-Tier 2 Distribution # customers	6	SDGE RD Model/ Alloc Factors
NCCI-Transmission AYTP mth/yr	17,569	SDGE RD Model/ Alloc Factors
EG-Tier 1 Transmission AYTP mth/yr	5,074	SDGE RD Model/ Alloc Factors
EG-Tier 2 Transmission AYTP mth/yr	456,289	SDGE RD Model/ Alloc Factors
NCCI-Transmission # customers	9	SDGE RD Model/ Alloc Factors
EG-Tier 1 Transmission # customers	3	SDGE RD Model/ Alloc Factors
EG-Tier 2 Transmission # customers	12	SDGE RD Model/ Alloc Factors
Transmission Costs w/FFU \$000	\$40,564	SDGE RD Model/ Cost Alloc
Compressor Volumes mth/yr	628	SDGE RD Model / NGV Rates
SDGE - NCCI-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	\$118	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Local Transmission Costs	\$101	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	\$241	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Regulatory Accounts	\$200	SDGE RD Model / Detail Alloc
SDGE - NCCI-T ITBA Base Margin	\$5	SDGE RD Model / Detail Alloc
SDGE - EG-T ITBA Base Margin	\$131	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Transport Rev Req w/o BBT, w/ FFU & EOR Cr \$000/yr	\$559	SDGE RD Model / Detail Alloc
SDGE - EG-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	\$2,454	SDGE RD Model / Detail Alloc
SDGE - EG-T Local Transmission Costs	\$2,429	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	\$5,929	SDGE RD Model / Detail Alloc
SDGE - EG-T Regulatory Accounts	\$5,468	SDGE RD Model / Detail Alloc
SDGE CYPM mth/mo Res	50,188	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Core C&I	23,331	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	1,960	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total Core	75,479	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Non Core C&I	3,947	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 1	2,244	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 2	39,175	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EOR	0	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total Retail Non Core	45,366	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	45,366	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total System \$000	120,845	SDGE RD Model / Alloc Factors
SDGE NonCore Embedded Customer Related Costs \$000	\$255	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Medium Pressure Distribution Costs \$000	\$2,904	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	\$20,395	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	\$8,230	SDGE RD Model/Cost Alloc
Total Margin Allocation w/o SI, FAR, Fuel Use, FF&U	\$323,020	SDGE RD Model/Cost Alloc
Other Op	\$2,493	SDGE RD Model/Cost Alloc
SCG Storage Charges	\$20,428	SDGE RD Model/Cost Alloc
Reg Accounts	\$61,061	SDGE RD Model/Cost Alloc
Less EC Transmission	(\$40,564)	SDGE RD Model/Cost Alloc
Plus Local-T	\$0	SDGE RD Model/Cost Alloc
plus FAR revenue	\$30,553	SDGE RD Model/Cost Alloc
less local-T noncore trans cust costs	(\$14,410)	SDGE RD Model/Revenue Check
plus Reg Gap Revenue	\$13,692	SDGE RD Model/Revenue Check
plus new SCG Transport (i.e.RegGap SDGE C&D)	\$4,691	SDGE RD Model/Cost Alloc
SW Adjustments	\$1,288	SDGE RD Model/Revenue Check
EG Tier 1-D Pre-SW Total revenue \$000/yr	\$2,640	SDGE RD Model/EG-D Rates
EG Tier 1-D AYTP Mth/yr	24,662	SDGE RD Model/EG-D Rates
EG Tier 1-D Customer Charge Revenue \$000	\$41	SDGE RD Model/EG-D Rates
EG Tier 2-D Pre-SW Total revenue \$000/yr	\$2,808	SDGE RD Model/EG-D Rates
EG Tier 2-D AYTP Mth/yr	44,206	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	29,736	SDGE RD Model/Alloc Factors
EG Tier 2 NoTLS AYTP Mth/yr	500,494	SDGE RD Model/Alloc Factors
Final Rev Req \$000	\$379,928	SDGE RD Model/Rate Tables
Pre-SW NGV Transportation Volumetric Revenue	\$2,754	SDGE RD Model / NGV Rates
Pre-SW NGV Customer Charge Revenue	\$12	SDGE RD Model / NGV Rates
NGV Transportation volumes mth/yr	24,129	SDGE RD Model / NGV Rates
NGV Post SW Customer Charge Revenue:	\$12	SDGE RD Model / NGV Rates
Pre SW NGV Compressor Revenue \$000	\$647	SDGE RD Model / NGV Rates
NGV Compressor Volumes Mth/yr	628	SDGE RD Model / NGV Rates
SDGE NCCI-T Direct Peak Day Demand Mth/day	48	SDGE RD Model / Alloc Factors
SDGE EG-T Direct Peak Day Demand Mth/day	1,690	SDGE RD Model / Alloc Factors
SDGE Core Cumulative Transmission Peak Day Mth/day	4,123	SDGE RD/Alloc Factors
SDGE Noncore Cumulative HP Distribution Peak Day Mth/day	265	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast AYTP Mth/yr	630,384	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYTP Mth/yr	669,016	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast # Customers	905,151	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYPM Mth/mo	83,698	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast AYTP Mth/yr	17,569	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYTP Mth/yr	17,569	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast # Customers	9	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYPM Mth/mo	1,477	SDGE RD/Alloc Factors
SDGE EG-T Forecast AYTP Mth/yr	461,363	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYTP Mth/yr	461,363	SDGE RD/Alloc Factors
SDGE EG-T Forecast # Customers	15	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYPM Mth/mo	35,670	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	\$12,135	SDGE RD Model/Cost Alloc
SDGE BBT Costs CCI	\$7,182	SDGE RD Model/Cost Alloc
SDGE BBT Costs NGV	\$853	SDGE RD Model/Cost Alloc
SDGE BBT Costs NCCI	\$1,659	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier 1	\$1,051	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier2	\$17,686	SDGE RD Model/Cost Alloc
SDGE CoUse Transmission Costs	\$0	SDGE RD Model/Misc Inputs
SDGE Forecast AYTP Mth/yr Core	532,140	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr NCCI-D	29,376	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr EG-D	68,867	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr Core	570,773	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr NCCI-D	29,376	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr EG-D	68,867	SDGE RD/Alloc Factors
SDGE Forecast # Customers Core	905,032	SDGE RD/Alloc Factors
SDGE Forecast # Customers NCCI-D	44	SDGE RD/Alloc Factors
SDGE Forecast # Customers EG-D	75	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr Core	75,479	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr NCCI-D	2,470	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr EG-D	5,749	SDGE RD/Alloc Factors
SDGE FFU Rate	102.29%	SDGE RD/Cost Alloc
FFU Rate Gross-to-Net Ratio	97.76%	SDGE RD/Misc Inputs
SDGE Mbtu/mcf	1,040	SDGE RD/Misc Inputs
Authorized Base Margin in 2008GRC (excl misc revenue) \$000	\$304,021	SDGE RD/Revenue Check
Current Authorized Base Margin	\$323,020	SDGE RD/Revenue Check
Net System Integration	(\$32,334)	SDGE RD/Revenue Check
Other Operate Costs	\$27,612	SDGE RD/Revenue Check
Regulatory Accounts	\$61,061	SDGE RD/Revenue Check
SW NGV Adjustment	\$294	SDGE RD/Revenue Check
SW EG Adjustment	\$994	SDGE RD/Revenue Check
SW NGV & EG Adjustment	\$1,288	SDGE RD/Revenue Check
Net TLS Adjustment	(\$719)	SDGE RD/Revenue Check
Revenue Requirement w/oFAR	\$379,928	SDGE RD/Revenue Check
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$290,686	SDGE RD/Revenue Check
CSITMA allocated to SDGE's NCCI-T customers \$000	\$56	SDGE RD/Revenue Check
CSITMA allocated to SDGE's EG-T customers \$000	\$0	SDGE RD/Revenue Check
EFBA EG-D Tier 1	\$20	SDGE RD/Revenue Check
EFBA EG-D Tier 2	\$37	SDGE RD/Revenue Check
EFBA EG-T	\$33	SDGE RD/Revenue Check
EFBA NCCI-T	\$15	SDGE RD/Revenue Check
EFBA EG-T nonexempt volumes	39,584	SDGE RD/Revenue Check
EFBA NCCI-T nonexempt volumes	17,569	SDGE RD/Revenue Check

**SOUTHERN CALIFORNIA GAS COMPANY
2020 TCAP**

**Section 2
NGV Compression Rate Adder Model**

**Workpapers to the Prepared Written Testimony of
Sharim Chaudhury**

2020 TCAP
 NGV Compression Adder Revenue Requirement

	Total Public & Private Access		Public Access Station		Data Source
	\$000's/yr	\$/th	\$000's/yr	\$/th	
NGV Station Costs \$000's					
NGV Station Rate Base	\$7,696	\$1.83	\$3,560	\$1.26	Return tab
Rate of Return %	8.03%		8.03%		Return tab
Return on Ratebase	\$618	\$0.15	\$286	\$0.10	
Income Taxes	\$66	\$0.02	\$31	\$0.01	Return Tab
Ad Valorem Taxes	\$99	\$0.02	\$46	\$0.02	Return Tab
Depreciation Expense	\$972	\$0.23	\$401	\$0.14	NGV Dept
Capital Related Revenue Requirement	\$1,755	\$0.42	\$763	\$0.27	
NGV Station Throughput in THERMS	4,204,414		2,832,898		
O&M Expense \$/th = \$0.584	\$2,453	\$0.58	\$1,653	\$0.58	NGV Dept
Electricity Expense \$/th = \$0.176	\$739	\$0.18	\$498	\$0.18	NGV Dept
Customer Related O&M	\$3,192	\$0.76	\$2,151	\$0.76	
Effective NGV Station Revenue Requirement	\$4,947	\$1.18	\$2,914	\$1.03	
Total NGV Station Throughput in therms	4,204,414		2,832,898		NGV Dept
Compression Throughput Mth/year	4,204	4,204	2,833	2,833	
Compression Rate \$/therm	\$1.18		\$1.03		
Sempra Wide Compressor Adder \$/therm			\$1.04238	SCG RD model/Rate tables	

2020 TCAP

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	Notes
NBV of NGV Stations	\$16,165	\$7,477	Recorded 2016	updated
Total NBV of Utility Gas Plant in Service	<u>\$10,029,010</u>	<u>\$10,029,010</u>	FERC Form 2 p.200, line 15	updated
NBV Ratio	0.16%	0.07%		
Total Utility Rate Base	\$4,774,574	\$4,774,574	Recorded 2016	updated
NBV Ratio	<u>0.16%</u>	<u>0.07%</u>		
NGV Station Ratebase	\$7,696	\$3,560		
Total Utility Income & CNG Fuel taxes	\$41,062	\$41,062	FERC Form 2 p.263a, lines 2 + 9 +5,e	updated
NBV Ratio	<u>0.16%</u>	<u>0.07%</u>		
NGV Station Income & CNG Fuel taxes	\$66	\$31		
Total Utility AdValorem taxes	\$61,112	\$61,112	FERC Form 2 p.263a, line 16 e	updated
NBV Ratio	<u>0.16%</u>	<u>0.07%</u>		
NGV Station Income & CNG Fuel taxes	\$99	\$46		

Calculation of Authorized ROR% and Total Return on Ratebase:

	Capital Ratio	Rate	ROR%		
Long-Term Debt	45.60%	5.77%	2.63%	FERC Form 2 p.122.52, Cost of Capital	updated
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
2020 TCAP**

**Section 3
Submeter Credit Model**

**Workpapers to the Prepared Written Testimony of
Sharim Chaudhury**

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
2020 TCAP**

		Avoided Cost Per Subunit (Single Family)	Incurred Cost Per Master Meter (Small)		
		(\$/cst/yr.)	(\$/cst/yr.)		
Capital Cost - Annual Revenue Requirement					
1	Meter	\$36.24	\$171.82	1	SCG LRM Customer Cost - Tab cust mc
2	Service Line	\$138.36	\$729.80	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	\$174.60	\$901.62	4	
O&M Cost					
5	Meter O&M	\$1.54	\$7.36	5	SCG LRM Customer Cost - Tab cust mc
6	Service Line O&M	\$6.19	\$9.62	6	SCG LRM Customer Cost - Tab cust mc
7	Customer Services O&M	\$23.84	\$23.84	7	SCG LRM Customer Cost - Tab cust mc
8	Customer Accounts O&M	\$21.69	\$21.69	8	SCG LRM Customer Cost - Tab cust mc
	Customer Service & Information Cost (CSI) Costs O&M	\$4.85	\$4.85		
O&M Loaders					
9	A&G Loading	\$25.36	\$29.39	9	SCG LRM Customer Cost - Tab cust mc
10	General Plant Loading	\$26.12	\$30.27	10	SCG LRM Customer Cost - Tab cust mc
11	M&S Costs	\$0.46	\$0.53	11	SCG LRM Customer Cost - Tab cust mc
12	Subtotal O&M	\$110.05	\$127.56	12	
13	Net Capital + O&M Cost	\$284.65	\$1,029.18	13	
14	x Scaling Factor	62.58%	62.58%	14	SCG Cost Allocation
15	= Avoided / Incurred Cost / Yr	\$178.12	\$644.03	15	
16	÷ Number Months / Year	12	12	16	
17	= Avoided / Incurred Cost / Mo	\$14.84	\$53.67	17	
18	÷ Avg No. of Subunits Per Master Meter Account	1	81	18	Recorded 2016
19	= Incurred Cost Per Living Unit for Master Meter		\$0.66	19	
20	Net Avoided Cost / Month	\$14.18	<<< 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
2020 TCAP**

Description		GS / GT - S (Dollars)	Care Rate GSL / GT - SL (Dollars)		
1	Net Avoided Cost / Month	\$14.18	\$14.18	1	
2	- SoCalGas Monthly Cust Charge	\$5.00	\$4.00	2	<<< Employs Current CARE Discount Rate of 20%
3	Submeter Credit / Month	\$9.18	\$10.18	3	<<< OUTPUT
4	x Number Months / Year	12	12	4	
5	Submeter Credit / Year	\$110.16	\$122.16	5	
6	÷ Number Days / Year	365	365	6	
7	= Submeter Credit / Day	\$0.30181	\$0.33468	7	<<< OUTPUT

**DAILY SUBMETER CREDIT
2020 TCAP**

Description		GS / GT - S (Dollars)	Care Rate GSL / GT - SL (Dollars)		
1	Net Avoided Cost / Month	\$14.18	\$14.18	1	
2	- SoCalGas Monthly Cust Charge	\$10.00	\$8.00	2	<<< Employs Current CARE Discount Rate of 20%
3	Submeter Credit / Month	\$4.18	\$6.18	3	<<< OUTPUT
4	x Number Months / Year	12	12	4	
5	Submeter Credit / Year	\$50.16	\$74.16	5	
6	÷ Number Days / Year	365	365	6	
7	= Submeter Credit / Day	\$0.13742	\$0.20318	7	<<< OUTPUT

**SAN DIEGO GAS & ELECTRIC
2020 TCAP**

**Section 1
Rate Design Model**

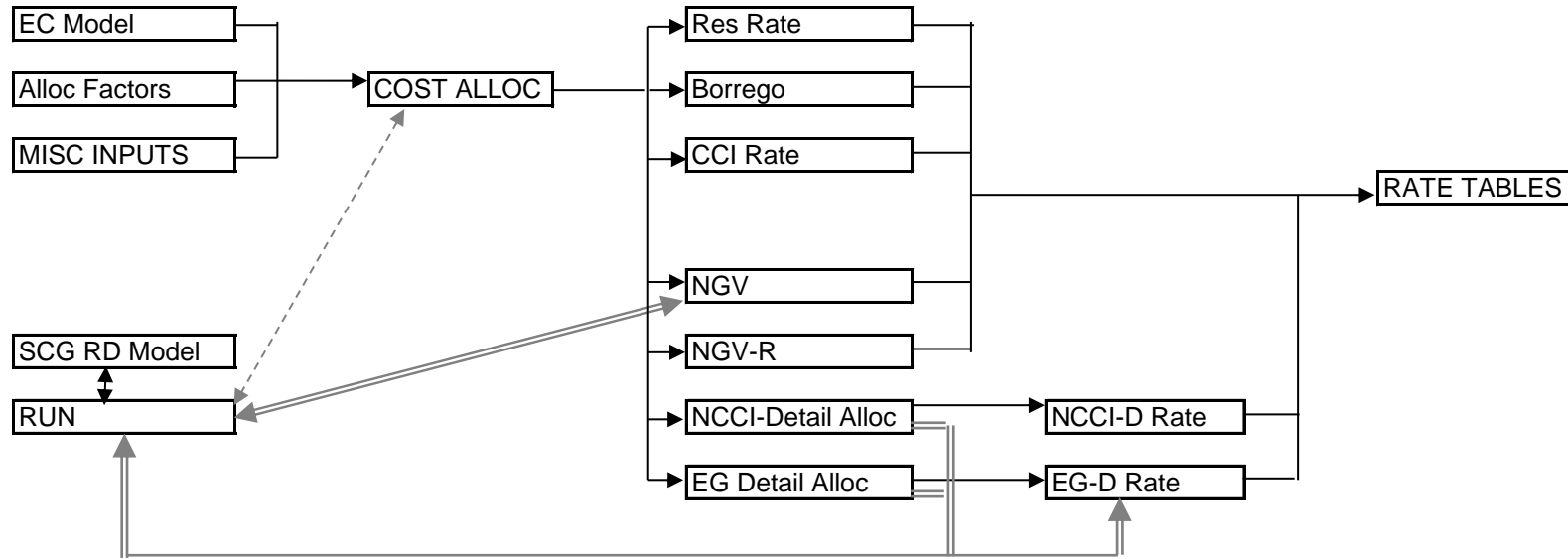
**Workpapers to the Prepared Written Testimony of
Sharim Chaudhury**

**Gas Transportation Rates and Revenues
San Diego Gas & Electric
2020 TRIENNIAL COST ALLOCATION PROCEEDING**

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

SDG&E - FLOWCHART of Rate Design model

#REF!



KEY:

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

Tabs not shown in flowchart

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

TABLE 1
Natural Gas Transportation Rate Revenues
San Diego Gas & Electric
2020 TCAP Application

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-18 Volumes mtherms	Average Rate \$/therm	Jul-1-18 Revenues \$000's	Jan-1-20 Volumes mtherms	Average Rate \$/therm	Jan-1-20 Revenues \$000's	Revenues \$000's	Rates \$/therm	Rate change %
	A	B	C	D	E	F	G	H	I
CORE									
Residential	319,982	\$0.91560	\$292,977	313,234	\$0.92590	\$290,025	(\$2,952)	\$0.01030	1.1%
Commercial & Industrial	182,660	\$0.27781	\$50,744	194,777	\$0.32346	\$63,002	\$12,258	\$0.04565	16.4%
NGV - Pre Sempra-Wide	18,501	\$0.14069	\$2,603	24,129	\$0.14570	\$3,515	\$913	\$0.00501	3.6%
Sempra-Wide Adjustment	18,501	\$0.01414	\$262	24,129	\$0.01216	\$294	\$32	(\$0.00197)	-13.9%
NGV Post Sempra-Wide	18,501	\$0.15482	\$2,864	24,129	\$0.15786	\$3,809	\$945	\$0.00304	2.0%
Total CORE	521,144	\$0.66505	\$346,586	532,140	\$0.67057	\$356,836	\$10,250	\$0.00552	0.8%
NONCORE COMMERCIAL & INDUSTRIAL									
Distribution Level Service	27,807	\$0.11678	\$3,247	29,376	\$0.09876	\$2,901	(\$346)	(\$0.01802)	-15.4%
Transmission Level Service (2)	17,168	\$0.02443	\$419	17,569	\$0.03239	\$569	\$150	\$0.00796	32.6%
Total Noncore C&I	44,975	\$0.08152	\$3,667	46,945	\$0.07392	\$3,470	(\$196)	(\$0.00760)	-9.3%
NONCORE ELECTRIC GENERATION									
Distribution Level Service									
Pre Sempra-Wide	95,807	\$0.05180	\$4,963	68,867	\$0.07993	\$5,505	\$542	\$0.02813	54.3%
Sempra-Wide Adjustment	95,807	\$0.01873	\$1,794	68,867	\$0.01444	\$994	(\$800)	(\$0.00429)	-22.9%
Distribution Level post SW	95,807	\$0.07053	\$6,757	68,867	\$0.09437	\$6,499	(\$258)	\$0.02384	33.8%
Transmission Level Service (2)	574,075	\$0.02048	\$11,756	461,363	\$0.02844	\$13,123	\$1,367	\$0.00797	38.9%
Total Electric Generation	669,882	\$0.02764	\$18,513	530,230	\$0.03701	\$19,621	\$1,109	\$0.00937	33.9%
TOTAL NONCORE	714,857	\$0.03103	\$22,179	577,175	\$0.04001	\$23,092	\$912	\$0.00898	28.9%
SYSTEM TOTAL	1,236,000	\$0.29835	\$368,765	1,109,315	\$0.34249	\$379,928	\$11,163	\$0.04413	14.8%

- 1) These rates are for Natural Gas Transportation Service from "Citygate to Meter." The Backbone Transportation Service (BTS) rate is for service from Receipt Point to Citygate. The BTS rate is a SoCalGas tariff and service is purchased from SoCalGas.
- 2) The average Transmission Level Service (TLS) rate is shown here, see Rate Table 6 for detailed list of TLS rates.
- 3) All rates include Franchise Fees & Uncollectible charges.

TABLE 2
Core Gas Transportation Rates
San Diego Gas & Electric
2020 TCAP Application

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-18 Volumes mtherms A	Average Rate \$/therm B	Jul-1-18 Revenues \$000's C	Jan-1-20 Volumes mtherms D	Average Rate \$/therm E	Jan-1-20 Revenues \$000's F	Revenues \$000's G	Rates \$/therm H	Rate change % I
1 Residential RATES Schedule GR,GM									
2 Rates Exclude CSITMA & CAT									
3 Minimum Bill/Customer Charge	884,624	\$3.00	\$221	874,067	\$10.00	\$104,888	\$104,667		
4									
5 Baseline \$/therm	215,947	\$0.86668	\$187,156	255,260	\$0.48617	\$124,101	(\$63,055)	(\$0.38050)	-43.9%
6 Non-Baseline \$/therm	104,035	\$1.04355	\$108,566	57,974	\$1.07317	\$62,217	(\$46,349)	\$0.02962	2.8%
7 Average Rate \$/therm	319,982	\$0.92487	\$295,943	313,234	\$0.92967	\$291,206	(\$4,738)	\$0.00480	0.5%
8 NBL/BL Ratio									
9 Composite Rate \$/th		\$ 1.18018			\$1.17395			-\$0.00623	
10 Gas Rate \$/th		\$ 0.31248			\$0.27687			-\$0.03561	-11.4%
11 NBL/Composite rate ratio		1.15			1.15				
12 NBL- BL rate difference \$/th		0.17687			\$0.58700			\$0.41013	
13									
14 Rates Include CSITMA, CARB and GHG Adders, Excludes CAT									
15 CSITMA Adder to Volumetric Rate	258,048	\$0.00331	\$855	258,322	\$0.00318	\$822	(\$33)	(\$0.00013)	-3.9%
16 CARB Adder to Volumetric Rate				313,234	\$0.00083	\$261			
17 GHG End User Adder to Volumetric Rate				319,982	\$0.00000	\$0			
18 Baseline \$/therm		\$0.86999			\$0.49019			(\$0.37980)	-43.7%
19 Non-Baseline \$/therm		\$1.04686			\$1.07719			\$0.03033	2.9%
20 Average NonCARE Rate \$/therm		\$0.92819			\$0.93369			\$0.00550	0.6%
21									
22 Sub Meter Credit Schedule GS,GT									
23 GS Unit Discount \$/day	5,870	(\$0.38268)	(\$820)	5,879	(\$0.26499)	(\$569)	\$251	\$0.11770	-30.8%
24 GT Unit Discount \$/day	27,189	(\$0.40932)	(\$4,062)	26,104	(\$0.28570)	(\$2,722)	\$1,340	\$0.12362	-30.2%
25									
26 Schedule GL-1									
27 LNG Facility Charge, domestic use \$/month	321	\$14.79	\$57	293	\$14.79	\$52		\$0.00000	0.0%
28 LNG Facility Charge, non-domestic \$/mth/mbtu		\$0.05480			\$0.05480			\$0.00000	0.0%
29 LNG Volumetric Surcharge \$/th	74	\$0.16571	\$12	76	\$0.16571	\$13		\$0.00000	0.0%
30			\$69			\$65			
31 Volumetric Rates Include All Adders & CAT									
32 CAT Adder to Volumetric Rate	2,764	\$0.00000	\$0	2,253	\$0.00000	\$0	\$0	\$0.00000	
33 Baseline \$/therm		\$0.86999			\$0.49019			(\$0.37980)	-43.7%
34 Non-Baseline \$/therm		\$1.04686			\$1.07719			\$0.03033	2.9%
35 Average Rate \$/therm		\$0.92819			\$0.93369			\$0.00550	0.6%
36									
37 Other Adjustments:									
38 Employee Discount			(\$349)			(\$367)	(\$18)		
39 SDFFD			\$1,340			\$1,330	(\$11)		
40									
41 Credit for CSITMA Exempt Customers:		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
42									
43 California Climate Credit - April Bill		\$0.00			\$0.00				
44 Total Residential	319,982	\$0.91560	\$292,977	313,234	\$0.92590	\$290,025	(\$2,952)	\$0.01030	1.1%

See footnotes, Table 1.

TABLE 3
Natural Gas Transportation Rate Revenues
San Diego Gas & Electric

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-18 Volumes mtherms A	Average Rate \$/therm B	Jul-1-18 Revenues \$000's C	Jan-1-20 Volumes mtherms D	Average Rate \$/therm E	Jan-1-20 Revenues \$000's F	Revenues \$000's G	Rates \$/therm H	Rate change % I	
1										
2										
3										
4	CORE COMMERCIAL & INDUSTRIAL RATES Schedule GN-3									
5	Customer Charge \$/month	30,265	\$10.00	\$3,632	30,937	\$10.00	\$3,712	\$81	\$0.00000	0.0%
6										
7	Rates Exclude CSITMA & CAT									
8	Tier 1 = 0 to 1,000 therms/month	82,658	\$0.32811	\$27,121	87,627	\$0.39272	\$34,413	\$7,292	\$0.06461	19.7%
9	Tier 2 = 1,001 to 21,000 therms/month	84,219	\$0.19690	\$16,583	88,939	\$0.23099	\$20,544	\$3,961	\$0.03409	17.3%
10	Tier 3 = over 21,000 therms/month	15,783	\$0.15984	\$2,523	18,211	\$0.18530	\$3,375	\$852	\$0.02546	15.9%
11										
12	Rates Includes CSITMA, Excludes CAT									
13	CSITMA Adder to Volumetric Rate	182,649	\$0.00331	\$605	187,959	\$0.00318	\$598	(\$7)	(\$0.00013)	-3.9%
14	Tier 1 = 0 to 1,000 therms/month		\$0.33142			\$0.39590			\$0.06448	19.5%
15	Tier 2 = 1,001 to 21,000 therms/month		\$0.20022			\$0.23417			\$0.03396	17.0%
16	Tier 3 = over 21,000 therms/month		\$0.16315			\$0.18849			\$0.02533	15.5%
17										
18	Rates Include CSITMA & CAT									
19	CAT Adder to Volumetric Rate	35,463	\$0.00000	\$0	39,978	\$0.00000	\$0	\$0	\$0.00000	
20	Tier 1 = 0 to 1,000 therms/month		\$0.33142			\$0.39590			\$0.06448	19.5%
21	Tier 2 = 1,001 to 21,000 therms/month		\$0.20022			\$0.23417			\$0.03396	17.0%
22	Tier 3 = over 21,000 therms/month		\$0.16315			\$0.18849			\$0.02533	15.5%
23										
24	Other Adjustments:									
25	Adjustment for SDDFD			\$281			\$360	\$79		
26	Credit for CSITMA Exempt Customers:		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
27										
28	Total Core C&I	182,660	\$0.27781	\$50,744	194,777	\$0.32346	\$63,002	\$12,258	\$0.04565	16.4%

1) CSITMA - Tariff rate Include CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA.
 CARE participants receive 20% CARE discount (Tariff rate less Credit for CSITMA Exempt Customers)*20%.
 See footnotes, Table 1.

TABLE 4
Other Core Gas Transportation Rates
San Diego Gas & Electric
01/00/00
2020 TCAP Application
2020 TCAP \$10 customer charge

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-18 Volumes mtherms	Average Rate \$/therm	Jul-1-18 Revenues \$000's	Jan-1-20 Volumes mtherms	Average Rate \$/therm	Jan-1-20 Revenues \$000's	Revenues \$000's	Rates \$/therm	Rate change %	
	A	B	C	D	E	F	G	H	I	
1	NATURAL GAS VEHICLE RATES G-NGV & GT-NGV									
2	Sempra-Wide NGV Rates									
3	Customer Charge									
4	P1 \$/month	28	\$13.00	\$4	15	\$13.00	\$2	(\$2)	\$0.00	0.0%
5	P2A \$/month	10	\$65.00	\$8	13	\$65.00	\$10	\$2	\$0.00	0.0%
6	Uncompressed Rate Exclude CSITMA & CAT \$/therm									
7	Compressor Adder \$/therm exclude CSITMA & CAT	18,501	\$0.11003	\$2,036	24,129	\$0.12583	\$3,036	\$1,000	\$0.01579	14.4%
8	Combined transport & compressor adder \$/th	744	\$1.03701	\$772	628	\$1.04809	\$659	(\$113)	\$0.01108	1.1%
9			\$1.14704			\$1.17392			\$0.02688	2.3%
10	Volumetric Rates Include CSITMA, CARB and GHG excludes CAT									
11	CSITMA Adder to Volumetric Rate	11,409	\$0.00331	\$38	23,583	\$0.00318	\$75	\$37	(\$0.00013)	-3.9%
12	CARB Adder to Volumetric Rate				24,129	\$0.00083	\$20			
13	GHG End User Adder to Volumetric Rate				24,129	\$0.00000	\$0			
14	Uncompressed Rate \$/therm		\$0.11335			\$0.12984			\$0.01650	14.6%
15	Combined transport & compressor adder \$/th		\$1.15036			\$1.17794			\$0.02758	2.4%
16										
17	Volumetric Rates Include CSITMA & CAT									
18	CAT Adder to Volumetric Rate		\$0.00000			\$0.00000				
19	Uncompressed Rate \$/therm		\$0.11335			\$0.12984	\$0	\$0	\$0.01650	14.6%
20	Combined transport & compressor adder \$/th		\$1.15036			\$1.17794			\$0.02758	2.4%
21	Other Adjustments:									
22	Adjustment for SDFFD 0.491%			\$7		\$7	\$0	\$0		
23	Credit for CSITMA Exempt Customers \$/th		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
24	Low Carbon Fuel Standard (LCFS) Credit		\$0.00000			\$0.00000				
25	Total NGV	18,501	\$0.15482	\$2,864	24,129	\$0.15786	\$3,809	\$945	\$0.00304	2.0%
26										
27	RESIDENTIAL NATURAL GAS VEHICLES (optional rate)									
28	Customer Charge									
29	Uncompressed Rate w/o CSITMA & CAT \$/therm	885	\$5.00	\$53	15	\$5.00	\$1	(\$52)	\$0.00	0.0%
30		969	\$0.25853	\$251	9	\$1.72275	\$16	(\$235)	\$1.46423	566.4%
31		969	\$0.31329	\$304	9	\$1.81923	\$17	(\$287)	\$1.50594	480.7%
32	Volumetric Rates Including CSITMA , Excluding CAT									
33	CSITMA Adder to Volumetric Rate		\$0.00331		9	\$0.00318	\$0		(\$0.00013)	-3.9%
34	CARB Adder to Volumetric Rate				9	\$0.00083	\$0			
35	GHG End User Adder to Volumetric Rate				9	\$0.00000	\$0			
36	Uncompressed Rate \$/therm		\$0.26184			\$1.72677			\$1.46493	559.5%
37										
38	Volumetric Rates Include CSITMA & CAT									
39	CAT Adder to Volumetric Rate	0	\$0.00000	\$0	0	\$0.00000	\$0	\$0	\$0.00000	
40	Uncompressed Rate \$/therm		\$0.26184			\$1.72677			(\$1.50594)	\$5
41										
42	Other Adjustments:									
43	Adjustment for SDFFD			\$0		\$0	\$0	\$0		
44	Credit for CSITMA Exempt Customers \$/th		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
45										
46	Total Residential NGV	969	\$0.31329	\$304	9	\$1.82324	\$17	(\$287)	\$1.50996	482.0%

1) CSITMA - Tariff rate Include CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA.

TABLE 5
NonCore Gas Transportation Rates
San Diego Gas & Electric

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-18 Volumes mtherms	Average Rate \$/therm	Jul-1-18 Revenues \$000's	Jan-1-20 Volumes mtherms	Average Rate \$/therm	Jan-1-20 Revenues \$000's	Revenues \$000's	Rates \$/therm	Rate change %
	A	B	C	D	E	F	G	H	I
NonCore Commercial & Industrial Distribution Level									
Customer Charges \$/month	42	\$350.00	\$177	44	\$350.00	\$185	\$8	\$0.00	0.0%
Volumetric Charges Exclude CARB, GHG, CSITMA	27,807	\$0.10741	\$2,987	29,376	\$0.08951	\$2,629	(\$357)	(\$0.01790)	-16.7%
CSITMA Adder to Volumetric Rate	25,154	\$0.00331	\$83	27,293	\$0.00318	\$87	\$4	(\$0.00013)	-3.9%
GHG Adder to Volumetric Rate		\$0.00000	\$0		\$0.00000	\$0	\$0	\$0.00000	
Volumetric Charges Include CARB, GHG, and CSITMA									
Volumetric Rates \$/therm		\$0.11072			\$0.09269			(\$0.01803)	-16.3%
Other Adjustments:									
SDFFD 0.727%									
Credit for CSITMA Exempt Customers \$/th		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
Credit for CARB Fee Exempt Customers \$/th		(\$0.00076)			(\$0.00083)			(\$0.00007)	9.8%
Credit for GHG Fee Exempt Customers \$/th		\$0.00000			\$0.00000			\$0.00000	
NCCI-Distribution Total	27,807	\$0.11678	\$3,247	29,376	\$0.09876	\$2,901	(\$346)	(\$0.01802)	-15.4%
NCCI-Transmission Total (1)	17,168	\$0.02443	\$419	17,569	\$0.03239	\$569	\$150	\$0.00796	32.6%
NCCI-Transmission Class Average	17,168	\$0.02443	\$419	17,569	\$0.03239	\$569			
Total NonCore C&I	44,975	\$0.08152	\$3,667	46,945	\$0.07392	\$3,470	(\$196)	(\$0.00760)	-9.3%
ELECTRIC GENERATION									
Small EG Distribution Level Service (a Sempra-Wide rate) exclude CARB, GHG, and CSITMA									
Customer Charge, \$/month	46	\$50.00	\$28	69	\$50.00	\$41	\$14	\$0.00	0.0%
Volumetric Rate \$/therm	19,210	\$0.12635	\$2,427	24,662	\$0.12880	\$3,176	\$749	\$0.00	1.9%
Large EG Distribution Level Service (a Sempra-Wide rate) exclude CARB, GHG, and CSITMA									
Customer Charge, \$/month		\$0.00			\$0.00			\$0.00	
Volumetric Rate (Incl ITCS) \$/th	76,596	\$0.05523	\$4,230	44,206	\$0.07293	\$3,224	(\$1,007)	\$0.02	32.0%
EG Distribution exclude CARB & GHG Fee, CSITMA	95,807	\$0.06978	\$6,685	68,867	\$0.09353	\$6,441	(\$244)	\$0.02	34.0%
Volumetric Rates Includes CARB Fee, GHG Fee Excludes CSITMA:									
CARB Fee Cost Adder - Small	17,675	\$0.00076	\$13	24,560	\$0.00083	\$20	\$7	\$0.00007	
CARB Fee Cost Adder - Large	76,596	\$0.00076	\$58	44,206	\$0.00083	\$37			
GHG Fee Cost Adder - Small	18,266	\$0.00000	\$0	23,450	\$0.00000	\$0	\$0	\$0.00000	
GHG Fee Cost Adder - Large	8,082	\$0.00000	\$0	4,665	\$0.00000	\$0			
EG-Distribution Tier 1 Incl CARB & GHG Fee, Excl CSITMA		\$0.12711			\$0.12963			\$0.00252	2.0%
EG-Distribution Tier 2 Incl CARB & GHG Fee, Excl CSITMA		\$0.05599			\$0.07376			\$0.01777	31.7%
Total - EG Distribution Level	95,807	\$0.07053	\$6,757	68,867	\$0.09437	\$6,499	(\$258)	\$0.02384	33.8%
Credit for CARB Fee Exempt Customers \$/th		(\$0.00076)			(\$0.00083)				
Credit for GHG Fee Exempt Customers \$/th		\$0.00000			\$0.00000				
EG Transmission Level Service Excl CARB & GHG fee & CSITMA	479,795	\$0.02035	\$9,765	461,363	\$0.02837	\$13,090	\$3,324	\$0.00802	39.4%
EG Transmission Level Service - CARB				39,584	\$0.00083	\$33			
EG Transmission Level Service - GHG				4,857	\$0.00000	\$0			
EG Transmission Level Service Incl CARB & GHG Fee & CSITMA	94,280	\$0.02007	\$1,893						
EG Transmission Level Service - Average (1)	574,075	\$0.02048	\$11,756	461,363	\$0.02844	\$13,123	\$1,367	\$0.00797	38.9%
TOTAL ELECTRIC GENERATION	669,882	\$0.02764	\$18,513	530,230	\$0.03701	\$19,621	\$1,109	\$0.00937	33.9%

1) CSITMA - Tariff rate include CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA. Schedule EG Tariff Rate exclude CSITMA, since EG customers are exempt.
2) CARB - GTNC and EG Tariff rates include CARB. Those EG and GTNC customers that are exempt will receive CARB credit.
3) GHG - GTNC and EG Tariff rates include GHG. Those EG and GTNC customers that are exempt will receive GHG credit.
See footnotes, Table 1.

TABLE 6
Transmission Level Service Gas Transportation Rates
San Diego Gas & Electric

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-18 Volumes mtherms	Average Rate \$/therm	Jul-1-18 Revenues \$000's	Jan-1-20 Volumes mtherms	Average Rate \$/therm	Jan-1-20 Revenues \$000's	Revenues \$000's	Rates \$/therm	Rate change %
	A	B	C	D	E	F	G	H	I
1 Transmission Level Service Rate Excluding CSITMA, CARB, and GHG Fees									
2 Reservation Service Option (RS):									
3 Daily Reservation rate \$/th/day		\$0.00674			\$0.00968			\$0.00294	43.6%
4 Usage Charge for RS \$/th		\$0.01000			\$0.01414			\$0.00414	41.4%
5									
6 Class Average Volumetric Rate (CA)									
7 Volumetric Rate \$/th		\$0.01045			\$0.01437			\$0.00392	37.5%
8 Usage Charge for CA \$/th		\$0.01000			\$0.01414			\$0.00414	41.4%
9 Class Average Volumetric Rate CA \$/th		\$0.02045			\$0.02851			\$0.00806	39.4%
10									
11 115% CA (for NonBypass Volumetric NV) \$/th		\$0.02352			\$0.03279			\$0.00927	39.4%
12 135% CA (for Bypass Volumetric BV) \$/th		\$0.02761			\$0.03849			\$0.01088	39.4%
13									
14 Average Transmission Level Service	591,243	\$0.02035	\$12,034	478,932	\$0.02837	\$13,588	\$1,554	\$0.00802	39.4%
15 C&I Rate Include CSITMA, CARB, and GHG Fees									
16 CSITMA Adder to Usage Rate \$/th	17,168	\$0.00331	\$57	17,569	\$0.00318	\$56	(\$1)	(\$0.00013)	-3.9%
18 CARB Cost Adder	111,448	\$0.00076	\$85	57,153	\$0.00083	\$48		\$0.00007	
19 GHG Cost Adder	2,824	\$0.00000	\$0	5,718	\$0.00000	\$0		\$0.00000	
20 Reservation Service Option (RS):									
21 Daily Reservation rate \$/th/day		\$0.00674			\$0.00968			\$0.00294	43.6%
22 Usage Charge for RS \$/th		\$0.01407			\$0.01816			\$0.00408	29.0%
23									
24 Class Average Volumetric Rate (CA)									
25 Volumetric Rate \$/th		\$0.01045			\$0.01437			\$0.00392	37.5%
26 Usage Charge for CA \$/th		\$0.01407			\$0.01816			\$0.00408	29.0%
27 Class Average Volumetric Rate CA \$/th		\$0.02452			\$0.03253			\$0.00801	32.6%
28									
29 115% CA (for NonBypass Volumetric NV) \$/th		\$0.02759			\$0.03681			\$0.00922	33.4%
30 135% CA (for Bypass Volumetric BV) \$/th		\$0.03168			\$0.04251			\$0.01083	34.2%
31									
32 Other Adjustments:									
33 Credit for CSITMA Exempt Customers \$/th		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
34 CARB Fee Credit for Exempt Customers \$/th		(\$0.00076)			(\$0.00083)			(\$0.00007)	9.8%
35 GHG Fee Credit for Exempt Customers \$/th		\$0.00000			\$0.00000			\$0.00000	
36									
37 EG Rate Include CARB & GHG Fees, excludes CSITMA:									
38 CARB Fee Cost Adder		\$0.00076			\$0.00083			\$0.00007	
39 GHG Fee Cost Adder		\$0.00000			\$0.00000			\$0.00000	
40 Reservation Service Option (RS):									
41 Daily Reservation rate \$/th/day		\$0.00674			\$0.00968			\$0.00294	43.6%
42 Usage Charge for RS \$/th		\$0.01076			\$0.01497			\$0.00421	39.2%
43									
44 Class Average Volumetric Rate (CA)									
45 Volumetric Rate \$/th		\$0.01045			\$0.01437			\$0.00392	37.5%
46 Usage Charge for CA \$/th		\$0.01076			\$0.01497			\$0.00421	39.2%
47 Class Average Volumetric Rate CA \$/th		\$0.02121			\$0.02935			\$0.00814	38.4%
48									
49 115% CA (for NonBypass Volumetric NV) \$/th		\$0.02428			\$0.03362			\$0.00935	38.5%
50 135% CA (for Bypass Volumetric BV) \$/th		\$0.02837			\$0.03933			\$0.01096	38.6%
51									
52 Other Adjustments:									
53 CARB Fee Credit for Exempt Customers \$/th		(\$0.00076)			(\$0.00083)			(\$0.00007)	9.8%
54 GHG Fee Credit for Exempt Customers \$/th		\$0.00000			\$0.00000			\$0.00000	
55									
56 Average Transmission Level Service	591,243	\$0.02059	\$12,175	478,932	\$0.02859	\$13,692	\$1,516	\$0.00800	38.8%

See footnotes, Table 1.

Verify TLS Revenue:

NCCI-T	17,168	\$0.02443	\$419	17,569	\$0.03239	\$569	150	\$0.00796	\$0
EG-T	574,075	\$0.02048	\$11,756	461,363	\$0.02844	\$13,123	1,367	\$0.00797	\$0
	591,243	\$0.02059	\$12,175	478,932	\$0.02859	\$13,692	1,516	\$0.00800	\$0
difference	0	\$0.00000	\$0	0	\$0.00000	\$0	0	\$0.00000	

Revenue Check of Base Margin, Revenue Requirement and Rates
2020 TCAP Application

Base Margin in Transportation rates		\$000's	
Authorized Base Margin		\$304,021	
2017 attrition w/ffu		\$10,635	
2018 attrition w/ffu		\$11,007	
Rounding Adjustment		\$0	
AMI Adjustment		\$0	
Cost of Capital Adjustment		(\$2,070)	
Full Authorized Margin		\$323,593	
Less AB32 fees different allocation:			
AB32 Fees	(\$560)	102.29%	(\$573) Cost Alloc
Base Margin in Transportation Rates w/oSI; w/FFU \$000		\$323,020	Cost Alloc = \$323,020 \$0

Reconcile Base Margin with Revenue Requirement

Base Margin in 2007 Rates under 2009BCAP rules w/FFU		\$323,020	
System Integration:			
Less Backbone Transmission Costs		(\$40,564)	Cost Alloc
Less Local Transmission Costs		\$0	Cost Alloc
Plus Backbone Transmission Costs w/SI		\$0	
Plus Local Transmission Costs w/SI		\$8,230	Cost Alloc
Plus Unbundled BBT amount w/FFU		\$25,722	
System Integration		(\$6,612)	
less Unbundled BBT amount w/FFU		(\$25,722)	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU		\$290,686	
Other Operating Costs and Revenues		\$27,612	Cost Alloc
Regulatory Accounts adjustment \$000		\$61,061	Cost Alloc
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr		\$379,359	cost allocation total = \$379,359 \$0
plus change due to TLS (NCCI/EG/SW/DGN)		(\$719)	
plus SW Adjustments		\$1,288	
Final Revenue Requirement in Rate Tables w/oFAR Revenue		\$379,928	Rate Table Total = \$379,928 \$0

Summary of Rate Table 1, Revenues

	A (w/o FAR, RG,SW)	B=SW Adj	C=A+B (w/o FAR, RG)	D=RegGap	E=C+D (w/o BTS)	F=FAR	Total G=E+F
Core	\$356,543	\$294	\$356,836		\$356,836		\$356,836
NCCI-D	\$2,901		\$2,901		\$2,901		\$2,901
NCCI-T	\$489		\$489	\$66	\$554		\$554
	\$3,390	\$0	\$3,390	\$66	\$3,455		\$3,455
EG-D	\$5,505	\$994	\$6,499		\$6,499		\$6,499
EG-T	\$13,922		\$13,922	(\$784)	\$13,137		\$13,137
	\$19,426	\$994	\$20,420	(\$784)	\$19,636		\$19,636
Transport Rev Req \$000/yr	\$379,359	\$1,288	\$380,646	(\$719)	\$379,928	\$0	\$379,928
<i>Table 1 Total Revenue (Incl SI, FAR, TLS, SW Adj)</i>	<u>\$379,359</u>				<u>\$379,928</u>		<u>\$379,928</u>
	\$0				\$0		\$0

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

Summary of Rate tables 2 thru 5

Table 2 - Core Res & Core C&I:				
Residential Service \$000	\$290,025			
Core C&I Service \$000	\$63,002			
Table 3 - other Core service:				
NGV \$000	\$3,809			
CORE	\$356,836			
Table 4 - NonCore Distribution Level:				
C&I \$000	\$2,901			
Sw-EG \$000	\$6,499			
NonCore Distribution	\$9,400			
Table 5 - Local Transmission Level				
System Total Rev Req w/SW adjustments \$000	\$379,928	<i>Rev Req w/o FAR =</i>	\$379,928	\$0.00
Est FAR Revenues to SDGE - \$000	\$0			
System Total Rev Req w/ SW adjustments \$000	\$379,928	<i>Rev Req w/FAR =</i>	\$379,928	\$0.00

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	\$163,561	\$24	\$10,782	\$174,366
Medium Pressure Distribution Costs	\$61,989	\$842	\$23,115	\$85,945
High Pressure Distribution Costs	\$12,304	\$264	\$4,662	\$17,230
Backbone Transmission Costs	\$12,135	\$853	\$7,182	\$20,169
Local Transmission Costs	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
NGV	\$0	\$647	\$0	\$647
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$249,988	\$2,630	\$45,739	\$298,357
Less Backbone Transmission Costs	(\$12,135)	(\$853)	(\$7,182)	(\$20,169)
Less Local Transmission Costs	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$3,418	\$133	\$1,589	\$5,141
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$241,272	\$1,911	\$40,147	\$283,329
	77%			

Other Operating Costs and Revenues	<i>Non-ECPT?</i>	Add FFU Y or N?	Amount to Allocate (w/o F&U)				
SCG Transport excl Core Storge & Load Balance \$000		Y	\$4,586	\$1,325	\$102	\$824	\$2,250
SCG Core Seasonal Storage		Y	\$11,522	\$8,916	\$100	\$2,771	\$11,786
SCG Load Balancing Allocated to ALL SDGE \$000		Y	\$8,447	\$2,440	\$188	\$1,517	\$4,145
n/a							
LUAUF		Y	\$1,748	\$808	\$62	\$502	\$1,372
Company Use Gas: Other		Y	\$129	\$37	\$3	\$23	\$63
AMI rev req incl FF&U AL 1693-G	Y	Y	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)		Y	\$560	\$261	\$20	\$162	\$443
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAUF Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues			\$26,993	\$13,786	\$475	\$5,799	\$20,061

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	\$104	\$121	\$30	\$151	\$255	\$174,622
Medium Pressure Distribution Costs	\$1,250	\$1,200	\$454	\$1,654	\$2,904	\$88,849
High Pressure Distribution Costs	\$333	\$277	\$498	\$775	\$1,108	\$18,338
Backbone Transmission Costs	\$1,659	\$1,051	\$17,686	\$18,736	\$20,395	\$40,564
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$647
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$3,346	\$2,649	\$18,668	\$21,317	\$24,663	\$323,020
Less Backbone Transmission Costs	(\$1,659)	(\$1,051)	(\$17,686)	(\$18,736)	(\$20,395)	(\$40,564)
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$269	\$153	\$2,668	\$2,821	\$3,090	\$8,230
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,956	\$1,751	\$3,651	\$5,401	\$7,357	\$290,686

Other Operating Costs and Revenues							F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storage & Load Balance \$000	\$199	\$126	\$2,116	\$2,242	\$2,441	\$4,691	\$105	\$4,586
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$11,786	\$264	\$11,522
SCG Load Balancing Allocated to ALL SDGE \$000	\$366	\$232	\$3,899	\$4,130	\$4,496	\$8,641	\$194	\$8,447
n/a								
LUAF	\$34	\$21	\$361	\$383	\$417	\$1,788	\$40	\$1,748
Company Use Gas: Other	\$6	\$4	\$60	\$63	\$69	\$132	\$3	\$129
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	\$39	\$24	\$66	\$90	\$129	\$573	\$13	\$560
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$643	\$407	\$6,502	\$6,909	\$7,551	\$27,612	\$619	\$26,993

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Embedded Costs:									
Customer Related Costs	EC Model	0							
Medium Pressure Distribution Costs	EC Model	0							
High Pressure Distribution Costs	EC Model	0							
Backbone Transmission Costs	EC Model	0							
Local Transmission Costs	EC Model	0							
Storage - Borrego	EC Model	0							
Core Seasonal Storage	EC Model	0							
Storage - Load Balancing	EC Model	0							
NGV	EC Model	0							
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Less Backbone Transmission Costs									
Less Local Transmission Costs									
Plus Local Transmission Costs w/SI,FFU	SCG/ SI & FAR								
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU									

Other Operating Costs and Revenues

SCG Transport excl Core Storge & Load Balance \$000	SCG RD Model/RUN	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
SCG Core Seasonal Storage	SCG RD Model/RUN	% CYPD MP Res & CCI	100.0%	75.6%	0.8%	23.5%	100.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	SCG RD Model/RUN	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
n/a									
LUAUF	Misc Inputs	Method #3 -76.7% core @ ECPT / 23.	100.0%	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%
Company Use Gas: Other	Misc Inputs	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
AMI rev req incl FF&U AL 1693-G	Misc Inputs, AL 1693-G	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
AB32 Fees (subtracted from base margin and allocated here)		ECPT AB32 Fee Non-Exempt	100.0%	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	Misc Inputs	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	Misc Inputs	ECPT GHG Fee Non-Exempt	100.0%	52.8%	4.1%	32.8%	89.6%	4.8%	4.8%
Green House Gas Balancing Account (GHGBA) - LUAUF Revenue Requirement	Misc Inputs	Method #3 -76.7% core @ ECPT / 23.	100.0%	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%
Subtotal Other Operating Costs and Revenues									

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3		Total NonCore	NCCI Allocation				Allocation Method	Total %
	mmth/yr	Total EG		NCCI Total	NCCI-D	NCCI-T	NCCI Total		
Embedded Costs:									
Customer Related Costs				\$104	\$87	\$18	\$104		
Medium Pressure Distribution Costs				\$1,250	\$1,250	\$0	\$1,250		
High Pressure Distribution Costs				\$333	\$333	\$0	\$333		
Backbone Transmission Costs				\$1,659	\$1,038	\$621	\$1,659		
Local Transmission Costs				\$0	\$0	\$0	\$0		
Storage - Borrego				\$0	\$0	\$0	\$0		
Core Seasonal Storage				\$0	\$0	\$0	\$0		
Storage - Load Balancing				\$0	\$0	\$0	\$0		
NGV				\$0	\$0	\$0	\$0		
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU				\$3,346	\$2,707	\$639	\$3,346		
Less Backbone Transmission Costs				(\$1,659)	(\$1,038)	(\$621)	(\$1,659)		
Less Local Transmission Costs				\$0	\$0	\$0	\$0		
Plus Local Transmission Costs w/SI,FFU				\$269	\$168	\$101	\$269	%CYPM	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU				\$1,956	\$1,838	\$118	\$1,956		

Other Operating Costs and Revenues

SCG Transport excl Core Storge & Load Balance \$000	45.1%	0.0%	52.0%	\$199	\$124	\$74	\$199	%AYTP	100.0%
SCG Core Seasonal Storage	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
SCG Load Balancing Allocated to ALL SDGE \$000	45.1%	0.0%	52.0%	\$366	\$229	\$137	\$366	%CYPM	100.0%
n/a				\$0	\$0	\$0	\$0	%AYTP	100.0%
LUAF	20.2%	21.4%	23.3%	\$34	\$21	\$13	\$34	%AYTP	100.0%
Company Use Gas: Other	45.1%	0.0%	52.0%	\$6	\$3	\$2	\$6	%AYTP	100.0%
AMI rev req incl FF&U AL 1693-G	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
AB32 Fees (subtracted from base margin and allocated here)	11.5%	15.8%	22.6%	\$39	\$24	\$15	\$39	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	0.8%	5.6%	10.4%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	20.2%	21.4%	23.3%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Subtotal Other Operating Costs and Revenues				\$643	\$402	\$241	\$643		

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Embedded Costs:									
Customer Related Costs			\$121	\$30	\$151	\$116	\$10	\$25	\$151
Medium Pressure Distribution Costs			\$1,200	\$454	\$1,654	\$1,200	\$454	\$0	\$1,654
High Pressure Distribution Costs			\$277	\$498	\$775	\$277	\$498	\$0	\$775
Backbone Transmission Costs			\$1,051	\$17,686	\$18,736	\$871	\$1,562	\$16,303	\$18,736
Local Transmission Costs			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing			\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGV			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU			\$2,649	\$18,668	\$21,317	\$2,464	\$2,525	\$16,328	\$21,317
Less Backbone Transmission Costs			(\$1,051)	(\$17,686)	(\$18,736)	(\$871)	(\$1,562)	(\$16,303)	(\$18,736)
Less Local Transmission Costs			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	62.6%	37.4%	\$153	\$2,668	\$2,821	\$140	\$252	\$2,429	\$2,821
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU			\$1,751	\$3,651	\$5,401	\$1,733	\$1,214	\$2,454	\$5,401

Other Operating Costs and Revenues

SCG Transport excl Core Storage & Load Balance \$000	62.6%	37.4%	\$126	\$2,116	\$2,242	\$104	\$187	\$1,951	\$2,242
SCG Core Seasonal Storage	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SCG Load Balancing Allocated to ALL SDGE \$000	62.6%	37.4%	\$232	\$3,899	\$4,130	\$205	\$369	\$3,557	\$4,130
n/a	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LUAF	62.6%	37.4%	\$21	\$361	\$383	\$18	\$32	\$333	\$383
Company Use Gas: Other	62.6%	37.4%	\$4	\$60	\$63	\$3	\$5	\$55	\$63
AMI rev req incl FF&U AL 1693-G	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	62.6%	37.4%	\$24	\$66	\$90	\$20	\$37	\$33	\$90
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	97.0%	3.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues			\$407	\$6,502	\$6,909	\$350	\$629	\$5,929	\$6,909

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D 1	Tier 2	EG-D Tier EG-T
Embedded Costs:					
Customer Related Costs					
Medium Pressure Distribution Costs					
High Pressure Distribution Costs					
Backbone Transmission Costs					
Local Transmission Costs					
Storage - Borrego					
Core Seasonal Storage					
Storage - Load Balancing					
NGV					
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU					
Less Backbone Transmission Costs					
Less Local Transmission Costs					
Plus Local Transmission Costs w/SI,FFU	%CYPM	100.0%	5.0%	8.9%	86.1%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU					
Other Operating Costs and Revenues					
SCG Transport excl Core Storge & Load Balance \$000	%AYTP	100.0%	4.7%	8.3%	87.0%
SCG Core Seasonal Storage	%AYTP	100.0%	4.7%	8.3%	87.0%
SCG Load Balancing Allocated to ALL SDGE \$000	%CYPM	100.0%	5.0%	8.9%	86.1%
n/a	%AYTP	100.0%	4.7%	8.3%	87.0%
LUAF	%AYTP	100.0%	4.7%	8.3%	87.0%
Company Use Gas: Other	%AYTP	100.0%	4.7%	8.3%	87.0%
AMI rev req incl FF&U AL 1693-G	%EPAM	100.0%	32.1%	22.5%	45.4%
AB32 Fees (subtracted from base margin and allocated here)	ECPT excluding exempt EG	100.0%	22.7%	40.8%	36.5%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	%AYTP	100.0%	4.7%	8.3%	87.0%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	ECPT excluding exempt EG	100.0%	71.1%	14.1%	14.7%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	%AYTP	100.0%	4.7%	8.3%	87.0%
Subtotal Other Operating Costs and Revenues					

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core
Regulatory Accounts							
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	Y	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$568	\$482	\$4	\$80	\$566
Baseline Balance BA		Y	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)		Y	\$25,990	\$16,393	\$0	\$10,194	\$26,587
CFCA -NGV only		Y	\$666	\$0	\$681	\$0	\$681
CFCA -Nonmargin Other		Y	\$566	\$341	\$26	\$212	\$579
CFCA -Nonmargin SCG		Y	\$29	\$17	\$1	\$11	\$29
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)		Y	\$830	\$352	\$14	\$164	\$530
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF		Y	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA		Y	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C		Y	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA		Y	\$509	\$147	\$11	\$91	\$250
Master Meter Balancing Account (MMBA)	Y	Y	\$987	\$838	\$7	\$139	\$984
Natural Gas Supp Refund Track Acct		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other		Y	\$268	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG		Y	\$2,604	\$0	\$0	\$0	\$0
NGVA		Y	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC		Y	\$0	\$0	\$0	\$0	\$0
PBOPBA	Y	Y	(\$519)	(\$441)	(\$3)	(\$73)	(\$517)
Pension BA	Y	Y	\$4,070	\$3,456	\$27	\$575	\$4,058
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission		Y	\$219	\$93	\$4	\$43	\$140
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$1,616	\$686	\$27	\$319	\$1,032
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$14,531	\$9,973	\$214	\$3,778	\$13,966
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission		Y	\$504	\$214	\$8	\$100	\$322
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution		Y	\$1,672	\$1,148	\$25	\$435	\$1,607
RD&D 1-Way Bal Acct (Pre-2001)		Y	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	Y	\$396	\$337	\$3	\$56	\$395
Self Gen Memo Acct - SGPMA-CSI	Y	Y	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	Y	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	Y	\$2,265	\$10	\$0	\$276	\$286
Gain/Loss on Sale Memo Acct GLOSMA	Y	Y	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA		Y	\$319	\$98	\$7	\$58	\$162
Integrated Transmission Nonmargin ITBA		Y	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Y	N	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$4	\$3	\$7	\$11	\$15	\$581	\$13	\$568
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)	\$0	\$0	\$0	\$0	\$0	\$26,587	\$596	\$25,990
CFCA -NGV only	\$0	\$0	\$0	\$0	\$0	\$681	\$15	\$666
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$579	\$13	\$566
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$29	\$1	\$29
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$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)	\$28	\$16	\$275	\$291	\$319	\$849	\$19	\$830
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	\$22	\$14	\$235	\$249	\$271	\$520	\$12	\$509
Master Meter Balancing Account (MMBA)	\$7	\$6	\$13	\$19	\$26	\$1,010	\$23	\$987
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$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
NFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	\$22	\$14	\$238	\$252	\$275	\$275	\$6	\$268
NFCA -Nonmargin SCG	\$217	\$137	\$2,310	\$2,447	\$2,664	\$2,664	\$60	\$2,604
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	(\$4)	(\$3)	(\$7)	(\$10)	(\$13)	(\$531)	(\$12)	(\$519)
Pension BA	\$28	\$25	\$52	\$77	\$105	\$4,163	\$93	\$4,070
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$7	\$4	\$73	\$77	\$84	\$224	\$5	\$219
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$54	\$31	\$536	\$566	\$620	\$1,653	\$37	\$1,616
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$270	\$224	\$404	\$628	\$898	\$14,864	\$333	\$14,531
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$17	\$10	\$167	\$177	\$194	\$516	\$12	\$504
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$31	\$26	\$46	\$72	\$103	\$1,711	\$38	\$1,672
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$3	\$2	\$5	\$8	\$10	\$406	\$9	\$396
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	\$0	\$114	\$1,917	\$2,031	\$2,031	\$2,317	\$52	\$2,265
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$13	\$8	\$142	\$151	\$164	\$326	\$7	\$319
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
On-Bill Financing Balancing Account (OBFBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Baseline Balance BA	Reg. Acct Filing 10/2017	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
CFCA -Margin Only (non-NGV)	Reg. Acct Filing 10/2017	ECPT-Core (non NGV)	100.0%	61.7%	0.0%	38.3%	100.0%	0.0%	0.0%
CFCA -NGV only	Reg. Acct Filing 10/2017	NGV only	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%
CFCA -Nonmargin SCG	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%
Environmental Fee Balance Account EFBA	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%
Disconnect Memorandum Account (DMA)	Reg. Acct Filing 10/2017	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	Reg. Acct Filing 10/2017	CYPM	100.0%	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Green House Gas Balancing Account (GHGBA) - End User	Reg. Acct Filing 10/2017	ECPT GHG Fee Non-Exempt	100.0%	52.8%	4.1%	32.8%	89.6%	4.8%	4.8%
Green House Gas Balancing Account (GHGBA) - LUAF	Reg. Acct Filing 10/2017	Method #3 -76.7% core @ ECPT / 23.	100.0%	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%
FERC Settlement Proceeds MA	Reg. Acct Filing 10/2017	CAT allocation	100.0%	3.8%	28.3%	67.8%	100.0%	0.0%	0.0%
Core Gas Storage Balancing Acct. GSBA-C	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Master Meter Balancing Account (MMBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Natural Gas Supp Refund Track Acct	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
NFCA -Margin Only	Reg. Acct Filing 10/2017	EPAM Noncore Only	100.0%	0.0%	0.0%	0.0%	0.0%	26.6%	23.8%
NFCA -Nonmargin Other	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%
NFCA -Nonmargin SCG	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%
NGVA	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Non-Core Gas Storage Balancing Acct GSBA-NC	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%
PBOPBA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Pension BA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	67.1%	1.4%	25.4%	94.0%	1.8%	1.5%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	67.1%	1.4%	25.4%	94.0%	1.8%	1.5%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	67.1%	1.4%	25.4%	94.0%	1.8%	1.5%
RD&D 1-Way Bal Acct (Pre-2001)	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Rewards & Penalties Bal Acct RPBA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Self Gen Memo Acct - SGPMA-CSI	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Self Gen Memo Acct - SGPMA-NonCSI	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
SGPMA - Rev Req for NEXT Year	Reg. Acct Filing 10/2017	Benefits	100.0%	0.4%	0.0%	11.9%	12.3%	0.0%	4.9%
Gain/Loss on Sale Memo Acct GLOSLMA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Integrated Transmission Margin ITBA	Reg. Acct Filing 10/2017	CYTP	100.0%	29.9%	2.1%	17.7%	49.7%	4.1%	2.6%
Integrated Transmission Nonmargin ITBA	Reg. Acct Filing 10/2017	CYTP	100.0%	29.9%	2.1%	17.7%	49.7%	4.1%	2.6%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3		Total NonCore	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Allocation Method	Total %
	mmth/yr	Total EG							
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
On-Bill Financing Balancing Account (OBFBA)	1.3%	0.0%	2.5%	\$4	\$4	\$0	\$4	%EPAM	100.0%
Baseline Balance BA	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	100% Res	0.0%
CFCA -Margin Only (non-NGV)	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
CFCA -NGV only	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
CFCA -Nonmargin Other	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
CFCA -Nonmargin SCG	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
Environmental Fee Balance Account EFBA	11.5%	15.8%	22.6%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Disconnect Memorandum Account (DMA)	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	100% Res	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	32.4%	0.0%	37.5%	\$28	\$17	\$10	\$28	%CYPM	100.0%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - End User	0.8%	5.6%	10.4%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - LUAF	20.2%	21.4%	23.3%	\$0	\$0	\$0	\$0	%AYTP	100.0%
FERC Settlement Proceeds MA	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	45.1%	0.0%	52.0%	\$22	\$14	\$8	\$22	%AYTP	100.0%
Master Meter Balancing Account (MMBA)	1.3%	0.0%	2.5%	\$7	\$6	\$0	\$7	%EPAM	100.0%
Natural Gas Supp Refund Track Acct	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	11.5%	15.8%	22.6%	\$0	\$0	\$0	\$0	%AYTP	100.0%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
NFCA -Margin Only	49.6%	73.4%	100.0%	\$0	\$0	\$0	\$0	%EPAM	100.0%
NFCA -Nonmargin Other	86.7%	0.0%	100.0%	\$22	\$14	\$8	\$22	%AYTP	100.0%
NFCA -Nonmargin SCG	86.7%	0.0%	100.0%	\$217	\$136	\$81	\$217	%AYTP	100.0%
NGVA	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Non-Core Gas Storage Balancing Acct GSBA-NC	86.7%	0.0%	100.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
PBOPBA	1.3%	0.0%	2.5%	(\$4)	(\$3)	(\$0)	(\$4)	%EPAM	100.0%
Pension BA	1.3%	0.0%	2.5%	\$28	\$26	\$2	\$28	%EPAM	100.0%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	32.4%	0.0%	37.5%	\$7	\$5	\$3	\$7	%CYPM	100.0%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	2.7%	4.2%	6.0%	\$0	\$0	\$0	\$0	% HPD Peak Day	100.0%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	32.4%	0.0%	37.5%	\$54	\$34	\$20	\$54	%CYPM	100.0%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	2.7%	4.2%	6.0%	\$270	\$270	\$0	\$270	% HPD Peak Day	100.0%
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	32.4%	0.0%	37.5%	\$17	\$11	\$6	\$17	%CYPM	100.0%
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	2.7%	4.2%	6.0%	\$31	\$31	\$0	\$31	% HPD Peak Day	100.0%
RD&D 1-Way Bal Acct (Pre-2001)	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Rewards & Penalties Bal Acct RPBA	1.3%	0.0%	2.5%	\$3	\$3	\$0	\$3	%EPAM	100.0%
Self Gen Memo Acct - SGPMA-CSI	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Self Gen Memo Acct - SGPMA-NonCSI	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
SGPMA - Rev Req for NEXT Year	82.8%	0.0%	87.7%	\$0	\$0	\$0	\$0	%ECPT	100.0%
Gain/Loss on Sale Memo Acct GLOSMA	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Integrated Transmission Margin ITBA	43.6%	0.0%	50.3%	\$13	\$8	\$5	\$13	%CYTP	100.0%
Integrated Transmission Nonmargin ITBA	43.6%	0.0%	50.3%	\$0	\$0	\$0	\$0	%CYTP	100.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	93.9%	6.1%	\$3	\$7	\$11	\$3	\$2	\$5	\$11
Baseline Balance BA	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -NGV only	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin Other	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin SCG	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	62.6%	37.4%	\$16	\$275	\$291	\$14	\$26	\$250	\$291
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	97.0%	3.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	62.6%	37.4%	\$14	\$235	\$249	\$12	\$21	\$216	\$249
Master Meter Balancing Account (MMBA)	93.9%	6.1%	\$6	\$13	\$19	\$6	\$4	\$9	\$19
Natural Gas Supp Refund Track Acct	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	62.6%	37.4%	\$14	\$238	\$252	\$12	\$21	\$220	\$252
NFCA -Nonmargin SCG	62.6%	37.4%	\$137	\$2,310	\$2,447	\$114	\$204	\$2,129	\$2,447
NGVA	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	93.9%	6.1%	(\$3)	(\$7)	(\$10)	(\$3)	(\$2)	(\$4)	(\$10)
Pension BA	93.9%	6.1%	\$25	\$52	\$77	\$25	\$17	\$35	\$77
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	62.6%	37.4%	\$4	\$73	\$77	\$4	\$7	\$66	\$77
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	100.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	62.6%	37.4%	\$31	\$536	\$566	\$28	\$51	\$488	\$566
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	100.0%	0.0%	\$224	\$404	\$628	\$224	\$404	\$0	\$628
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	62.6%	37.4%	\$10	\$167	\$177	\$9	\$16	\$152	\$177
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	100.0%	0.0%	\$26	\$46	\$72	\$26	\$46	\$0	\$72
RD&D 1-Way Bal Acct (Pre-2001)	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	93.9%	6.1%	\$2	\$5	\$8	\$2	\$2	\$3	\$8
Self Gen Memo Acct - SGPMA-CSI	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	62.6%	37.4%	\$114	\$1,917	\$2,031	\$94	\$169	\$1,767	\$2,031
Gain/Loss on Sale Memo Acct GLOSMA	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	62.6%	37.4%	\$8	\$142	\$151	\$7	\$13	\$131	\$151
Integrated Transmission Nonmargin ITBA	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D 1	Tier 2	EG-D Tier 2	EG-T
Regulatory Accounts						
Adv Mtring Infrastructure Balancing Acct AMIBA	%EPAM	100.0%	32.1%	22.5%		45.4%
On-Bill Financing Balancing Account (OBFBA)	%EPAM	100.0%	32.1%	22.5%		45.4%
Baseline Balance BA	100% Res	0.0%	0.0%	0.0%		0.0%
CFCA -Margin Only (non-NGV)	ECPT-Core	0.0%	0.0%	0.0%		0.0%
CFCA -NGV only	ECPT-Core	0.0%	0.0%	0.0%		0.0%
CFCA -Nonmargin Other	ECPT-Core	0.0%	0.0%	0.0%		0.0%
CFCA -Nonmargin SCG	ECPT-Core	0.0%	0.0%	0.0%		0.0%
Environmental Fee Balance Account EFBA	ECPT excluding exempt EG	100.0%	22.7%	40.8%		36.5%
Disconnect Memorandum Account (DMA)	100% Res	0.0%	0.0%	0.0%		0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	%EPAM	100.0%	32.1%	22.5%		45.4%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	%CYPM	100.0%	5.0%	8.9%		86.1%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	%AYTP	100.0%	4.7%	8.3%		87.0%
Green House Gas Balancing Account (GHGBA) - End User	ECPT excluding exempt EG	100.0%	71.1%	14.1%		14.7%
Green House Gas Balancing Account (GHGBA) - LUAF	%AYTP	100.0%	4.7%	8.3%		87.0%
FERC Settlement Proceeds MA	%EPAM	100.0%	32.1%	22.5%		45.4%
Core Gas Storage Balancing Acct. GSBA-C	ECPT-Core	0.0%	0.0%	0.0%		0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	%AYTP	100.0%	4.7%	8.3%		87.0%
Master Meter Balancing Account (MMBA)	%EPAM	100.0%	32.1%	22.5%		45.4%
Natural Gas Supp Refund Track Acct	%AYTP	100.0%	4.7%	8.3%		87.0%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	ECPT excluding exempt EG	100.0%	22.7%	40.8%		36.5%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	%EPAM	100.0%	32.1%	22.5%		45.4%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	%EPAM	100.0%	32.1%	22.5%		45.4%
NFCA -Margin Only	%EPAM	100.0%	32.1%	22.5%		45.4%
NFCA -Nonmargin Other	%AYTP	100.0%	4.7%	8.3%		87.0%
NFCA -Nonmargin SCG	%AYTP	100.0%	4.7%	8.3%		87.0%
NGVA	%AYTP	100.0%	4.7%	8.3%		87.0%
Non-Core Gas Storage Balancing Acct GSBA-NC	%AYTP	100.0%	4.7%	8.3%		87.0%
PBOPBA	%EPAM	100.0%	32.1%	22.5%		45.4%
Pension BA	%EPAM	100.0%	32.1%	22.5%		45.4%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	%CYPM	100.0%	5.0%	8.9%		86.1%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	% HPD Peak Day	100.0%	35.7%	64.3%		0.0%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	%CYPM	100.0%	5.0%	8.9%		86.1%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	% HPD Peak Day	100.0%	35.7%	64.3%		0.0%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	%CYPM	100.0%	5.0%	8.9%		86.1%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	% HPD Peak Day	100.0%	35.7%	64.3%		0.0%
RD&D 1-Way Bal Acct (Pre-2001)	%AYTP	100.0%	4.7%	8.3%		87.0%
Rewards & Penalties Bal Acct RPBA	%EPAM	100.0%	32.1%	22.5%		45.4%
Self Gen Memo Acct - SGPMA-CSI	%EPAM	100.0%	32.1%	22.5%		45.4%
Self Gen Memo Acct - SGPMA-NonCSI	%EPAM	100.0%	32.1%	22.5%		45.4%
SGPMA - Rev Req for NEXT Year	%ECPT	100.0%	4.7%	8.3%		87.0%
Gain/Loss on Sale Memo Acct GLOSMA	%EPAM	100.0%	32.1%	22.5%		45.4%
Integrated Transmission Margin ITBA	%CYTP	100.0%	4.7%	8.3%		87.0%
Integrated Transmission Nonmargin ITBA	%CYTP	100.0%	4.7%	8.3%		87.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	%EPAM	100.0%	32.1%	22.5%		45.4%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's			Res	NGV	Core C&I	Total Core
GRCRRMA Sub allocation for AB32 Admin Fees	N	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	Y	\$1,601	\$822	\$75	\$598	\$1,495
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Y	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	Y	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts		\$59,691	\$34,967	\$1,130	\$17,056	\$53,153
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr			\$290,025	\$3,515	\$63,002	\$356,543
AVERAGE YEAR THROUGHPUT, Mth/yr			313,234	24,129	194,777	532,140
Average Rate \$/th			\$0.92590	\$0.14570	\$0.32346	\$0.67002
FFU Rate			102.29%	102.29%	102.29%	102.29%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	\$143	\$0	\$0	\$0	\$143	\$1,638	\$37	\$1,601
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$862	\$632	\$6,414	\$7,046	\$7,908	\$61,061	\$1,370	\$59,691
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$3,461	\$2,789	\$16,566	\$19,356	\$22,816	\$379,359		
AVERAGE YEAR THROUGHPUT, Mth/yr	46,945	29,736	500,494	530,230	577,175	1,109,315		
Average Rate \$/th	\$0.07371	\$0.09381	\$0.03310	\$0.03650	\$0.03953	\$0.34198		
FFU Rate	102.29%	102.29%	102.29%	102.29%	102.29%	102.29%		

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
GRCRRMA Sub allocation for AB32 Admin Fees	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%
CSI Thermal Program memoradum Account	Reg. Acct Filing 10/2017	ECPT ex CARE, EG, Cost. Exempt	100.0%	50.2%	4.6%	36.5%	91.3%	8.7%	0.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Z-Factor Memorandum Account	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%

Total Regulatory Accounts

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

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate MISC Inputs

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3		Total	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Allocation Method	Total %
	mmth/yr	Total EG	NonCore						
GRCRRMA Sub allocation for AB32 Admin Fees	11.5%	15.8%	22.6%	\$0	\$0	\$0	\$0	%AYTP	100.0%
CSI Thermal Program memorandum Account	0.0%	0.0%	8.7%	\$143	\$87	\$56	\$143	% AYTP CSITMA NonExempt	100.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Z-Factor Memorandum Account	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Total Regulatory Accounts				\$862	\$661	\$200	\$862		
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr				\$3,461	\$2,901	\$559	\$3,461		
AVERAGE YEAR THROUGHPUT, Mth/yr				46,945	29,376	17,569	46,945		
Average Rate \$/th				\$0.07371	\$0.09876	\$0.03184	\$0.07371		
FFU Rate				102.29%	102.29%	102.29%			

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
GRCRRMA Sub allocation for AB32 Admin Fees	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	60.8%	39.2%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts			\$632	\$6,414	\$7,046	\$577	\$1,001	\$5,468	\$7,046
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr			\$2,789	\$16,566	\$19,356	\$2,660	\$2,844	\$13,851	\$19,356
AVERAGE YEAR THROUGHPUT, Mth/yr			29,736	500,494	530,230	24,662	44,206	461,363	530,230
Average Rate \$/th			\$0.09381	\$0.03310	\$0.03650	\$0.10787	\$0.06434	\$0.03002	\$0.03650
FFU Rate			102.29%	102.29%	102.29%	102.29%	102.29%	102.29%	102.29%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D	Tier	EG-D	Tier
			1	2	EG-T	
GRCRRMA Sub allocation for AB32 Admin Fees	ECPT excluding exempt EG	100.0%	22.7%		40.8%	36.5%
CSI Thermal Program memoradum Account	%AYTP	100.0%	4.7%		8.3%	87.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	%EPAM	100.0%	32.1%		22.5%	45.4%
Z-Factor Memorandum Account	%EPAM	100.0%	32.1%		22.5%	45.4%

Total Regulatory Accounts

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

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$290,025	\$3,515	\$63,002	\$356,543
SW NGV Adjustment		\$294		\$294
SW EG Adjustment				\$0
TLS Adjustment				
Amount allocated to TLS Class \$000				\$0
TLS revenue paid by class @ average TLS rate \$000				\$0
	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$290,025	\$3,809	\$63,002	\$356,836
<i>Rate Tables</i>	<i>\$290,025</i>	<i>\$3,809</i>	<i>\$63,002</i>	<i>\$356,836</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	313,234	24,129	194,777	532,140
Average Rate w/oBTS \$/th	\$0.92590	\$0.15786	\$0.32346	\$0.67057
<i>Rate Tables</i>	<i>\$0.92590</i>	<i>\$0.15786</i>	<i>\$0.32346</i>	<i>\$0.67057</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
BTS w/FFU Charge \$000	\$9,140	\$642	\$5,409	\$15,191
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$299,165	\$4,451	\$68,411	\$372,027
Average Rate w/ BTS \$/th	\$0.95508	\$0.18448	\$0.35123	\$0.69911
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	77.4%	0.8%	14.2%	92.4%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	83.0%	0.7%	13.8%	97.5%
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	76.5%	0.9%	16.6%	94.0%
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	76.3%	1.0%	16.6%	93.9%

Calculation of Allocation Factors

Customers
 AYTP
 AYTP Distribution Only
 CYTP
 CYPM
 CYPM Dist Only
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
 EPMC Dist Only
 Cumulative HPD Peak Day
 Cumulative HPD Peak Day
 AYTP Mth/yr
 exempt volumes Mth/yr
 AYTP NonExempt Volumes Mth/yr
 File = 2020 TCAP SDGE RD Model

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$3,461			\$19,356	\$22,816	\$379,359
SW NGV Adjustment					\$0	\$294
SW EG Adjustment				\$994	\$994	\$994
TLS Adjustment						
Amount allocated to TLS Class \$000	(\$559)			(\$13,851)	(\$14,410)	(\$14,410)
TLS revenue paid by class @ average TLS rate \$000	\$569			\$13,123	\$13,692	\$13,692
	\$10			(\$728)	(\$719)	(\$719)
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$3,470			\$19,621	\$23,092	\$379,928
<i>Rate Tables difference</i>	<i>\$3,470</i>			<i>\$19,621</i>	<i>\$23,092</i>	<i>\$379,928</i>
	\$0			\$0	\$0	\$0
AYTP Mth/yr	46,945			530,230	577,175	1,109,315
Average Rate w/oBTS \$/th	\$0.07392			\$0.03701	\$0.04001	\$0.34249
<i>Rate Tables difference</i>	<i>\$0.07392</i>			<i>\$0.03701</i>	<i>\$0.04001</i>	<i>\$0.34249</i>
	\$0.00000			\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$1,249	\$791	\$13,321	\$14,112	\$15,361	\$30,553
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$4,720			\$33,733	\$38,453	\$410,480
Average Rate w/ BTS \$/th	\$0.10053			\$0.06362	\$0.06662	\$0.37003
Effective Allocation %'s:						
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	1.0%	0.8%	5.8%	6.6%	7.6%	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	0.7%	0.6%	1.3%	1.9%	2.5%	100.0%
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	0.9%	0.7%	4.4%	5.1%	6.0%	100.0%
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	0.9%	0.0%	0.0%	5.2%	6.1%	100.0%

Calculation of Allocation Factors

- # Customers
- AYTP
- AYTP Distribution Only
- CYTP
- CYPM
- CYPM Dist Only
- Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
- EPMC Dist Only
- Cumulative HPD Peak Day
- Cumulative HPD Peak Day
- AYTP Mth/yr
- exempt volumes Mth/yr
- AYTP NonExempt Volumes Mth/yr
- File = 2020 TCAP SDGE RD Model

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

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

Customers
 AYTP
 AYTP Distribution Only
 CYTP
 CYPM
 CYPM Dist Only
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
 EPMC Dist Only
 Cumulative HPD Peak Day
 Cumulative HPD Peak Day
 AYTP Mth/yr
 exempt volumes Mth/yr
 AYTP NonExempt Volumes Mth/yr
 File = 2020 TCAP SDGE RD Model

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Allocation Method	Total %
Sempra Wide & TLS Adjustments::									
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr				\$3,461	\$2,901	\$559	\$3,461		
SW NGV Adjustment									
SW EG Adjustment									
TLS Adjustment									
Amount allocated to TLS Class \$000				(\$559)		(\$559)	(\$559)		
TLS revenue paid by class @ average TLS rate \$000				\$569		\$569	\$569		
<hr/>									
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr				\$3,470	\$2,901	\$569	\$3,470		
<hr/>									
Rate Tables difference						\$569			
<hr/>									
AYTP Mth/yr				46,945	29,376	17,569	46,945		
Average Rate w/oBTS \$/th				\$0.07392	\$0.09876	\$0.03239	\$0.07392		
<hr/>									
Rate Tables difference									
<hr/>									
BTS w/FFU Charge \$000				\$1,249	\$782	\$468	\$1,249	%CYTP	100.0%
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr				\$4,710	\$3,683	\$1,027	\$4,710		
Average Rate w/ BTS \$/th				\$0.10033	\$0.12537	\$0.05845	\$0.10033		
<hr/>									
Effective Allocation %'s:									
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU									
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr									
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr									

Calculation of Allocation Factors

Calculation of Allocation Factors	NCCI Total	NCCI-D	NCCI-T	Source	Allocation Method	Total %
# Customers	53	44	9	Alloc factors	%Customers	100.0%
AYTP	46,945	29,376	17,569	Alloc factors	%AYTP	100.0%
AYTP Distribution Only						
CYTP	46,945	29,376	17,569	Alloc factors	%CYTP	100.0%
CYPM	3,947	2,470	1,477	Alloc factors	%CYPM	100.0%
CYPM Dist Only	2,470	2,470	0		%CYPM Dist Only	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,956	\$1,838	\$118		%EPAM	100.0%
EPMC Dist Only						
Cumulative HPD Peak Day						
Cumulative HPD Peak Day						
AYTP Mth/yr	46,945	29,376	17,569			
exempt volumes Mth/yr	(2,083)	(2,083)	0	Alloc factors		
AYTP NonExempt Volumes Mth/yr	44,862	27,293	17,569		% AYTP CSITMA NonExempt	100.0%
File = 2020 TCAP SDGE RD Model					Tab = Cost Alloc	

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Sempra Wide & TLS Adjustments::									
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr						\$2,660	\$2,844	\$13,851	
SW NGV Adjustment									
SW EG Adjustment						\$578	\$416	\$994	
TLS Adjustment									
Amount allocated to TLS Class \$000								(\$13,851)	
TLS revenue paid by class @ average TLS rate \$000								\$13,123	
								(\$728)	
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr						\$3,238	\$3,261	\$13,123	
Rate Tables difference						\$3,238	\$3,261	\$13,123	
						\$0	\$0	\$0	

AYTP Mth/yr
Average Rate w/oBTS \$/th

Rate Tables difference	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
BTS w/FFU Charge \$000	62.6%	37.4%	\$791	\$13,321	\$14,112	\$656	\$1,177	\$12,279	\$14,112
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr			\$3,581	\$29,887	\$33,468	\$3,317	\$4,021	\$26,130	\$33,468
Average Rate w/ BTS \$/th						\$0.13448	\$0.09096	\$0.05664	

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors	NCCI-D	NCCI-T	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T
# Customers	83.0%	17.0%	90	69	6	15
AYTP	62.6%	37.4%	530,230	24,662	44,206	461,363
AYTP Distribution Only			68,867	24,662	44,206	0
CYTP	62.6%	37.4%	530,230	24,662	44,206	461,363
CYPM	62.6%	37.4%	41,419	2,053	3,696	35,670
CYPM Dist Only	100.0%	0.0%	5,749	2,053	3,696	0
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	93.9%	6.1%	\$5,401	\$1,733	\$1,214	\$2,454
EPMC Dist Only			\$2,947	\$1,733	\$1,214	\$0
Cumulative HPD Peak Day			185	66	119	0
Cumulative HPD Peak Day						
AYTP Mth/yr						
exempt volumes Mth/yr						
AYTP NonExempt Volumes Mth/yr	60.8%	39.2%				

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D 1	Tier 2	EG-D Tier 2	EG-T
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr						
SW NGV Adjustment						
SW EG Adjustment						
TLS Adjustment						
Amount allocated to TLS Class \$000						
TLS revenue paid by class @ average TLS rate \$000						

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

Rate Tables difference						
AYTP Mth/yr						
Average Rate w/oBTS \$/th						
Rate Tables difference						

BTS w/FFU Charge \$000	%CYTP	100.0%	4.7%	8.3%	87.0%
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr					
Average Rate w/ BTS \$/th					

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors

Calculation of Allocation Factors	Allocation Method	Total %	1	2	EG-T
# Customers	%Customers	100.0%	76.7%	6.7%	16.7%
AYTP	%AYTP	100.0%	4.7%	8.3%	87.0%
AYTP Distribution Only	%AYTP Dist Only	100.0%	35.8%	64.2%	0.0%
CYTP	%CYTP	100.0%	4.7%	8.3%	87.0%
CYPM	%CYPM	100.0%	5.0%	8.9%	86.1%
CYPM Dist Only	%CYPM Dist Only	100.0%	35.7%	64.3%	0.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	%EPAM	100.0%	32.1%	22.5%	45.4%
EPMC Dist Only	EPAM Dist Only	100.0%	58.8%	41.2%	0.0%
Cumulative HPD Peak Day	%HPD Peak Day	100.0%	35.7%	64.3%	0.0%
Cumulative HPD Peak Day					
AYTP Mth/yr					
exempt volumes Mth/yr					
AYTP NonExempt Volumes Mth/yr					

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's

Res

NGV

Core C&I

Total Core

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y

Less: AB32Fees Exempt Customers Mth/y

AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y

Current

Less: AB32Fees Exempt Customers Mth/y

Proposed

Less: AB32Fees Exempt Customers Mth/y

GHG Fee Adder

AYTP Mth/yr all customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

GHG Fee Adder Current

Less: GHG Charge Exempt Customers Mth/y

GHG Fee Adder Proposed

Less: GHG Charge Exempt Customers Mth/y

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
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Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y

Less: AB32Fees Exempt Customers Mth/y

AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y

Current

Less: AB32Fees Exempt Customers Mth/y

Proposed

Less: AB32Fees Exempt Customers Mth/y

GHG Fee Adder

AYTP Mth/yr all customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

GHG Fee Adder Current

Less: GHG Charge Exempt Customers Mth/y

GHG Fee Adder Proposed

Less: GHG Charge Exempt Customers Mth/y

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
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Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y
 Less: AB32Fees Exempt Customers Mth/y
 AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y
 Current
 Less: AB32Fees Exempt Customers Mth/y
 Proposed
 Less: AB32Fees Exempt Customers Mth/y

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
 Less: GHG Charge Exempt Customers Mth/y
 AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

GHG Fee Adder Current

Less: GHG Charge Exempt Customers Mth/y

GHG Fee Adder Proposed

Less: GHG Charge Exempt Customers Mth/y

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Allocation Method	Total %
Allocator for California Air Resources Board AB 32 Admin Fee:									
AYTP Mth/yr all customers Mth/y									
Less: AB32Fees Exempt Customers Mth/y									
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y									
Current									
Less: AB32Fees Exempt Customers Mth/y									
Proposed									
Less: AB32Fees Exempt Customers Mth/y									
GHG Fee Adder									
AYTP Mth/yr all customers Mth/y				46,945	29,376	17,569			
Less: GHG Charge Exempt Customers Mth/y				(18,389)	(1,682)	(16,707)			
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y				28,556	27,694	862		% AYTPGHG NonExempt	100.0%
GHG Fee Adder Current									
Less: GHG Charge Exempt Customers Mth/y				(17,918)	(1,592)	(16,326)			
GHG Fee Adder Proposed									
Less: GHG Charge Exempt Customers Mth/y				(18,389)	(1,682)	(16,707)			

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Allocator for California Air Resources Board AB 32 Admin Fee:									
AYTP Mth/yr all customers Mth/y					530,230	24,662	44,206	461,363	
Less: AB32Fees Exempt Customers Mth/y					(421,881)	(102)	0	(421,779)	
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y					108,350	24,560	44,206	39,584	
Current									
Less: AB32Fees Exempt Customers Mth/y					(481,330)	(1,535)	0	(479,795)	
Proposed									
Less: AB32Fees Exempt Customers Mth/y					(421,881)	(102)	0	(421,779)	
GHG Fee Adder									
AYTP Mth/yr all customers Mth/y					530,230	24,662	44,206	461,363	
Less: GHG Charge Exempt Customers Mth/y					(497,259)	(1,212)	(39,541)	(456,506)	
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	97.0%	3.0%			32,971	23,450	4,665	4,857	
GHG Fee Adder Current									
Less: GHG Charge Exempt Customers Mth/y					(641,551)	(944)	(68,514)	(572,093)	
GHG Fee Adder Proposed									
Less: GHG Charge Exempt Customers Mth/y					(497,259)	(1,212)	(39,541)	(456,506)	

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D 1	Tier 2	EG-D 2	Tier EG-T
Allocator for California Air Resources Board AB 32 Admin Fee:						
AYTP Mth/yr all customers Mth/y						
Less: AB32Fees Exempt Customers Mth/y						
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	% ECPT AB32 Fee Non-Exemp	100.00%	22.7%		40.8%	36.5%
Current						
Less: AB32Fees Exempt Customers Mth/y						
Proposed						
Less: AB32Fees Exempt Customers Mth/y						
GHG Fee Adder						
AYTP Mth/yr all customers Mth/y						
Less: GHG Charge Exempt Customers Mth/y						
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	% ECPT GHG Fee Non-Exemp	100.00%	71.1%		14.1%	14.7%
GHG Fee Adder Current						
Less: GHG Charge Exempt Customers Mth/y						
GHG Fee Adder Proposed						
Less: GHG Charge Exempt Customers Mth/y						

SDGE Allocation Factors

2020 TCAP Application

	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System
DIRECT (%s Load or Cust/Mtrs Sum to 100%)										
Transmission										
Average Year Throughput (MTh)	0	0	0	0	17,569	5,074	456,289	461,363	478,932	478,932
Cold Year Throughput (1-in-35) (MTh)	0	0	0	0	17,569	5,074	456,289	461,363	478,932	478,932
Cold Year Peak Month (December) (MTh)	0	0	0	0	1,477	191	35,479	35,670	37,147	37,147
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	0	0	0	0	48	6	1,684	1,690	1,738	1,738
Number of Customers	0	0	0	0	9	3	12	15	24	24
High Pressure										
Average Year Throughput (MTh)	67	8,874	3,116	12,057	7,497	3,531	36,209	39,740	47,237	59,294
Cold Year Throughput (1-in-35) (MTh)	74	8,874	3,251	12,199	7,497	3,531	36,209	39,740	47,237	59,436
Cold Year Peak Month (December) (MTh)	11	721	373	1,105	630	287	3,027	3,314	3,944	5,049
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	23	18	42	20	9	98	107	127	169
Number of Customers	2	4	5	11	9	5	4	9	18	29
Medium Pressure										
Average Year Throughput (MTh)	313,167	15,255	191,661	520,083	21,879	21,131	7,997	29,127	51,006	571,089
Cold Year Throughput (1-in-35) (MTh)	343,334	15,255	199,985	558,574	21,879	21,131	7,997	29,127	51,006	609,580
Cold Year Peak Month (December) (MTh)	50,177	1,239	22,957	74,374	1,839	1,767	669	2,435	4,275	78,649
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,943	40	1,098	4,081	59	57	22	79	138	4,219
Number of Customers	874,065	24	30,932	905,021	35	64	2	66	101	905,122
CUMULATIVE (Calc'd from DIRECT %s)										
Transmission										
Average Year Throughput (MTh)	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
Cold Year Throughput (1-in-35) (MTh)	343,408	24,129	203,236	570,773	46,945	29,736	500,494	530,230	577,175	1,147,948
Cold Year Peak Month (December) (MTh)	50,188	1,960	23,331	75,479	3,947	2,244	39,175	41,419	45,366	120,845
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,944	63	1,115	4,123	127	72	1,803	1,876	2,003	6,126
Number of Customers	874,067	28	30,937	905,032	53	72	18	90	143	905,175
High Pressure										
Average Year Throughput (MTh)	313,234	24,129	194,777	532,140	29,376	24,662	44,206	68,867	98,243	630,384
Cold Year Throughput (1-in-35) (MTh)	343,408	24,129	203,236	570,773	29,376	24,662	44,206	68,867	98,243	669,016
Cold Year Peak Month (December) (MTh)	50,188	1,960	23,331	75,479	2,470	2,053	3,696	5,749	8,219	83,698
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,944	63	1,115	4,123	80	66	119	185	265	4,388
Number of Customers	874,067	28	30,937	905,032	44	69	6	75	119	905,151
Medium Pressure										
Average Year Throughput (MTh)	313,167	15,255	191,661	520,083	21,879	21,131	7,997	29,127	51,006	571,089
Cold Year Throughput (1-in-35) (MTh)	343,334	15,255	199,985	558,574	21,879	21,131	7,997	29,127	51,006	609,580
Cold Year Peak Month (December) (MTh)	50,177	1,239	22,957	74,374	1,839	1,767	669	2,435	4,275	78,649
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,943	40	1,098	4,081	59	57	22	79	138	4,219
Number of Customers	874,065	24	30,932	905,021	35	64	2	66	101	905,122
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$241,272	\$1,911	\$40,147	\$283,329	\$1,956	\$1,751	\$3,651	\$5,401	\$7,357	\$290,686

SDGE Allocation Factors

2020 TCAP Application

	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System
Calculation of Allocation Factors:										
Cumulative Transmission # Customers	874,067	28	30,937	905,032	53	72	18	90	143	905,175
Cumulative Transmission AYTP Mth/yr	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
AYTP System	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%	45.1%		52.0%	100.0%
AYTP Core	58.9%	4.5%	36.6%	100.0%					-	100.0%
AYTP Core Non NGV	61.7%	0.0%	38.3%	100.0%					-	100.0%
AYTP Noncore				-	8.1%	5.2%	86.7%		100.0%	100.0%
AYTP Core & NonCore Distribution Only:										
System Total Mth/yr	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
Less NonCore Transmission Mth/yr					(17,569)	(5,074)	(456,289)	(461,363)	(478,932)	(478,932)
AYTP Core & NonCore Distribution Only	313,234	24,129	194,777	532,140	29,376	24,662	44,206	68,867	98,243	630,384
%AYTP Core & NonCore Distribution	49.7%	3.8%	30.9%	84.4%	4.7%	3.9%	7.0%	10.9%	15.6%	100.0%
Cumulative Transmission CYTP Mth/yr	343,408	24,129	203,236	570,773	46,945	29,736	500,494	530,230	577,175	1,147,948
CYTP System	29.9%	2.1%	17.7%	49.7%	4.1%	2.6%	43.6%		50.3%	100.0%
Cumulative Transmission CYPM Mth/mo	50,188	1,960	23,331	75,479	3,947	2,244	39,175	41,419	45,366	120,845
CYCPM System Total	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%	32.4%		37.5%	100.0%
CYPM Core Only	66.5%	2.6%	30.9%	100.0%				0.0%	0.0%	100.0%
CYPM Noncore Only				0.0%	8.7%	4.9%	86.4%	91.3%	100.0%	100.0%
CYPM EG-T Only mth/mo						191	35,479	35,670	35,670	35,670
% CYPM EG-T Only						0.5%	99.5%	100.0%	100.0%	100.0%
Cumulative Transmission Peak Day Mth/day	2,944	63	1,115	4,123	127	72	1,803	1,876	2,003	6,126
PDD System Total	48.1%	1.0%	18.2%	67.3%	2.1%	1.2%	29.4%		32.7%	100.0%
Cumulative HP Distribution Peak Day Mth/day	2,944	63	1,115	4,123	80	66	119	185	265	4,388
CYPM System Total	67.1%	1.4%	25.4%	94.0%	1.8%	1.5%	2.7%	4.2%	6.0%	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$241,272	\$1,911	\$40,147	\$283,329	\$1,956	\$1,751	\$3,651	\$5,401	\$7,357	\$290,686
EPAM All	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%	1.3%		2.5%	100.0%
Core EPAM	85.2%	0.7%	14.2%	100.0%					-	100.0%
NonCore EPAM					26.6%	23.8%	49.6%	73.4%	100.0%	100.0%
LUAF Allocator:										
Method #1 = Based on 2007 Rates:										
LUAF in 2007 Rates	\$827	\$10	\$329	\$1,167	\$219	\$428	\$1,849	\$2,277	\$2,496	\$3,663
% 2007 UAF Allocation	22.6%	0.3%	9.0%	31.9%	6.0%	11.7%	50.5%	62.2%	68.1%	100.0%
Method #2 - 65% core @ ECPT / 35% noncore @ ECPT: NOT USED										
Core ECPT	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
NonCore ECPT	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%	86.7%	0.0%	100.0%	100.0%
% Core	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%
% Noncore	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%
% LUAF Allocation	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%	20.2%	21.4%	23.3%	100.0%
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct	2,943	40	1,098	4,081	59	57	22	79	138	4,219
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct Res & CCI	2,943		1,098	4,041				0	0	4,041
% CYPD MP Res & CCI	72.8%	0.0%	27.2%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

SDGE Allocation Factors

2020 TCAP Application

	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System
Method #3 -76.7% core @ ECPT / 23.3% noncore @ ECPT USED										
Core ECPT	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
NonCore ECPT	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%	86.7%	0.0%	100.0%	100.0%
% Core	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%
% Noncore	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%
% LUAF Allocation	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%	20.2%	21.4%	23.3%	100.0%

Calculation of CAT allocation:

AYTP Core Transport Mth/yr	2,253	16,697	39,978	58,928	0	0	0	0	0	58,928
CAT allocation	3.8%	28.3%	67.8%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
	310,981	7,431	154,800	473,212						

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

AYTP Mth/yr all customers Mth/y	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
CARE Participants Mth/y	(54,559)	(546)	0	(55,104)	0	0	0	0	0	(55,104)
FERA Participants Mth/y	0	0	0	0	0	0	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EG Exempt Mth/y	0	0	0	0	0	(29,736)	(500,494)	(530,230)	(530,230)	(530,230)
Constitutionally Exempt Mth/y	(353)	0	(6,818)	(7,171)	(2,083)	0	0	0	(2,083)	(9,254)
AYTP Mth/yr excl CARE Participant & EOR Mth/y	258,322	23,583	187,959	469,864	44,862	0	0	0	44,862	514,726
% ECPT excl CARE, FERA, SGIP, EG, Constitutional Exempt	50.2%	4.6%	36.5%	91.3%	8.7%	0.0%	0.0%	0.0%	8.7%	100.0%
CSI Thermal Program memoradum Account (\$000)										\$1,638
CSITMA Adder to Volumetric Rate										\$0.00318

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	(345)	(421,536)	(421,881)	(421,881)	(421,881)
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	313,234	24,129	194,777	532,140	46,945	29,391	78,959	108,350	155,294	687,435
% ECPT AB32 Fee Non-Exempt	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%	11.5%	15.8%	22.6%	100.0%

Allocator for GHG charge:

AYTP Mth/yr all customers Mth/y	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
Less: GHG Charge Exempt Customers Mth/y	0	0	0	0	(18,389)	(1,429)	(495,830)	(497,259)	(515,648)	(515,648)
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	313,234	24,129	194,777	532,140	28,556	28,307	4,665	32,971	61,527	593,667
% ECPT GHG Fee Non-Exempt	52.8%	4.1%	32.8%	89.6%	4.8%	4.8%	0.8%	5.6%	10.4%	100.0%

Allocator for SGPMA (TCAP Proposal):

3 Year Total Program Participation					Direct ECPT	\$6,900,054	-			
%SGPMA	\$34,564		\$936,060	\$970,624		\$386,964	\$6,513,090		\$6,900,054	\$7,870,678
	0.4%	0.0%	11.9%	12.3%	0.0%	4.9%	82.8%	0.0%	87.7%	100.0%

OLD DIRECT Demand Forecast

Transmission										
Average Year Throughput (MTh)	0	0	0	0	17,168	2,071	572,004	574,075	591,243	591,243
Cold Year Throughput (1-in-35) (MTh)	0	0	0	0	17,168	2,071	572,004	574,075	591,243	591,243
Cold Year Peak Month (December) (MTh)	0	0	0	0	1,516	166	53,795	53,961	55,477	55,477
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	0	0	0	0	49	19	1,968	1,987	2,036	2,036
Number of Customers	0	0	0	0	10	5	13	18	27	27
High Pressure										
Average Year Throughput (MTh)	93	11,340	3,429	14,862	7,630	4,914	68,276	73,190	80,820	95,681
Cold Year Throughput (1-in-35) (MTh)	102	11,340	3,561	15,003	7,630	4,914	68,276	73,190	80,820	95,823
Cold Year Peak Month (December) (MTh)	15	984	383	1,382	674	388	5,744	6,133	6,806	8,188
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	32	17	49	22	22	185	207	229	278
Number of Customers	1	8	6	15	9	6	5	11	20	35
Medium Pressure										
Average Year Throughput (MTh)	319,890	7,162	179,231	506,282	20,177	14,297	8,320	22,617	42,794	549,076
Cold Year Throughput (1-in-35) (MTh)	354,096	7,162	186,126	547,383	20,177	14,297	8,320	22,617	42,794	590,177
Cold Year Peak Month (December) (MTh)	51,518	622	19,998	72,138	1,781	1,203	700	1,903	3,684	75,822
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,911	20	879	3,810	57	39	23	61	119	3,928
Number of Customers	884,623	30	30,259	914,912	33	40	2	42	75	914,987

NEW DIRECT Demand Forecast

Transmission										
Average Year Throughput (MTh)	0	0	0	0	17,569	5,074	456,289	461,363	478,932	478,932
Cold Year Throughput (1-in-35) (MTh)	0	0	0	0	17,569	5,074	456,289	461,363	478,932	478,932
Cold Year Peak Month (December) (MTh)	0	0	0	0	1,477	191	35,479	35,670	37,147	37,147
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	0	0	0	0	48	6	1,684	1,690	1,738	1,738
Number of Customers	0	0	0	0	18	2	15	15	24	24

SDGE Allocation Factors

2020 TCAP Application

	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System
High Pressure										
Average Year Throughput (MTh)	67	8,874	3,116	12,057	7,497	3,531	36,209	39,740	47,237	59,294
Cold Year Throughput (1-in-35) (MTh)	74	8,874	3,251	12,199	7,497	3,531	36,209	39,740	47,237	59,436
Cold Year Peak Month (December) (MTh)	11	721	373	1,105	630	287	3,027	3,314	3,944	5,049
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	23	18	42	20	9	98	107	127	169
Number of Customers	2	4	5	11	9	5	4	9	18	29
Medium Pressure										
Average Year Throughput (MTh)	313,167	15,255	191,661	520,083	21,879	21,131	7,997	29,127	51,006	571,089
Cold Year Throughput (1-in-35) (MTh)	343,334	15,255	199,985	558,574	21,879	21,131	7,997	29,127	51,006	609,580
Cold Year Peak Month (December) (MTh)	50,177	1,239	22,957	74,374	1,839	1,767	669	2,435	4,275	78,649
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,943	40	1,098	4,081	59	57	22	79	138	4,219
Number of Customers	874,065	24	30,932	905,021	35	64	2	66	101	905,122

Old Demand Forecast

CAT Customers:										
AYTP Core Transport Mth/yr	2,764	11,765	35,463	49,992	0	0	0	0	0	49,992

New Demand Forecast

CAT Customers:										
AYTP Core Transport Mth/yr	2,253	16,697	39,978	58,928	0	0	0	0	0	58,928

Calculation of LUAF Allocator:

% Core	
Old TCAP	% Core
	76.71%
New TCAP	% Core
	76.71%

Allocator for GHG charge:

Current										
Less: GHG Charge Exempt Customers Mth/y	0	0	0	0	(17,918)	(1,033)	(640,518)	(641,551)	(659,469)	(659,469)
Proposed										
Less: GHG Charge Exempt Customers Mth/y	0	0	0	0	(18,389)	(1,429)	(495,830)	(497,259)	(515,648)	(515,648)

345.2333333

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

Current										
CARE Participants Mth/y	(61,319)	0	0	(61,319)	0	0	0	0	0	(61,319)
FERA Participants Mth/y	0	0	0	0	0	0	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EG Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
Constitutionally Exempt Mth/y	(615)	(7,093)	(11)	(7,719)	(2,653)	0	0	0	(2,653)	(10,372)
Proposed										
CARE Participants Mth/y	(54,559)	(546)	0	(55,104)	0	0	0	0	0	(55,104)
FERA Participants Mth/y	0	0	0	0	0	0	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EG Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
Constitutionally Exempt Mth/y	(353)	0	(6,818)	(7,171)	(2,083)	0	0	0	(2,083)	(9,254)

Allocator for California Air Resources Board AB 32 Admin Fee:

Current										
Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	(3,606)	(477,724)			
Proposed										
Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	(345)	(421,536)			

Cost Allocation Model Results

2020 TCAP Application

Procedure:

#1) Input from Cost Allocation Tab

#2) Transition Adjustments by Year

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

	Res	NGV	Core C&I	Total Core	Total NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total	NCCI-D	
#1) Input from Cost Allocation Tab												
Customer Related Costs	\$163,561	\$24	\$10,782	\$174,366	\$104	\$121	\$30	\$151	\$255	\$174,622	\$87	
Medium Pressure Distribution Costs	\$61,989	\$842	\$23,115	\$85,945	\$1,250	\$1,200	\$454	\$1,654	\$2,904	\$88,849	\$1,250	
High Pressure Distribution Costs	\$12,304	\$264	\$4,662	\$17,230	\$333	\$277	\$498	\$775	\$1,108	\$18,338	\$333	
Backbone Transmission Costs	\$40,564	\$12,135	\$853	\$7,182	\$20,169	\$1,659	\$1,051	\$17,686	\$18,736	\$20,395	\$40,564	
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
NGV	\$0	\$647	\$0	\$647	\$0	\$0	\$0	\$0	\$0	\$647	\$0	
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$40,564	\$249,988	\$2,630	\$45,739	\$298,357	\$3,346	\$2,649	\$18,668	\$21,317	\$24,663	\$323,020	\$2,707
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	77.4%	0.8%	14.2%	92.4%	1.0%	0.8%	5.8%	6.6%	7.6%	100.0%	0.8%	

#2) Transition Adjustments by Year

Amount of Adjustments to include in Proposal 2020 TCAP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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#3) Transition Adjustments Added to Customer Cost - output to Cost Alloc tab

Customer Related Costs	\$163,561	\$24	\$10,782	\$174,366	\$104	\$121	\$30	\$151	\$255	\$174,622	\$87
Medium Pressure Distribution Costs	\$61,989	\$842	\$23,115	\$85,945	\$1,250	\$1,200	\$454	\$1,654	\$2,904	\$88,849	\$1,250
High Pressure Distribution Costs	\$12,304	\$264	\$4,662	\$17,230	\$333	\$277	\$498	\$775	\$1,108	\$18,338	\$333
Backbone Transmission Costs	\$12,135	\$853	\$7,182	\$20,169	\$1,659	\$1,051	\$17,686	\$18,736	\$20,395	\$40,564	\$1,038
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$647	\$0	\$647	\$0	\$0	\$0	\$0	\$0	\$647	\$0
Total Margin Allocation w/o SI, w/FAR, FF&U, Season Storage	\$249,988	\$2,630	\$45,739	\$298,357	\$3,346	\$2,649	\$18,668	\$21,317	\$24,663	\$323,020	\$2,707
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	77.4%	0.8%	14.2%	92.4%	1.0%	0.8%	5.8%	6.6%	7.6%	100.0%	0.8%

Cost Allocation Model Results

2020 TCAP Application

Procedure:

#1) Input from Cost Allocation Tab

#2) Transition Adjustments by Year

#3) Transition Adjustments Added to Customer Cost -

	NCCI-T	Total NCCI	EG Tier 1 Dist	EG Tier 2 Dist	EG Tier 1 Trans	EG Tier 2 Trans	EG Trans	Total EG	SOURCE
#1) Input from Cost Allocation Tab									
Customer Related Costs	\$18	\$104	\$116	\$10	\$5	\$20	\$25	\$151	Cost Allocation Tab
Medium Pressure Distribution Costs	\$0	\$1,250	\$1,200	\$454	\$0	\$0	\$0	\$1,654	Cost Allocation Tab
High Pressure Distribution Costs	\$0	\$333	\$277	\$498	\$0	\$0	\$0	\$775	Cost Allocation Tab
Backbone Transmission Costs	\$621	\$1,659	\$871	\$1,562	\$179	\$16,124	\$16,303	\$18,736	Cost Allocation Tab
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
NGV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$639	\$3,346	\$2,464	\$2,525	\$184	\$16,144	\$16,328	\$21,317	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&	0.2%	1.0%	0.8%	0.8%	0.1%	5.0%	5.1%	6.6%	
#2) Transition Adjustments by Year									
									NCCI-D NCCI-T EG-T Tier 1 EG-T Tier 2
									17,569 5,074 456,289
									0% 4% 1% 95%
Amount of Adjustments to include in Proposal 2020 TC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
#3) Transition Adjustments Added to Customer Co									
Customer Related Costs	\$18	\$104	\$116	\$10	\$5	\$20	\$25	\$151	
Medium Pressure Distribution Costs	\$0	\$1,250	\$1,200	\$454	\$0	\$0	\$0	\$1,654	
High Pressure Distribution Costs	\$0	\$333	\$277	\$498	\$0	\$0	\$0	\$775	
Backbone Transmission Costs	\$621	\$1,659	\$871	\$1,562	\$179	\$16,124	\$16,303	\$18,736	
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
NGV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$639	\$3,346	\$2,464	\$2,525	\$184	\$16,144	\$16,328	\$21,317	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&	0.2%	1.0%	0.8%	0.8%	0.1%	5.0%	5.1%	6.6%	

Cost Allocation Model Results

2020 TCAP Application

Procedure:

#1) *Input from Cost Allocation Tab*

#2) *Transition Adjustments by Year*

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

#1) Input from Cost Allocation Tab

- Customer Related Costs
- Medium Pressure Distribution Costs
- High Pressure Distribution Costs
- Backbone Transmission Costs
- Local Transmission Costs
- Storage - Borrego
- Core Seasonal Storage
- Storage - Load Balancing
- NGV

Total Margin Allocation w/o SI, w/FAR, FF&U, Seas

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

Total

478,932

100%

#2) Transition Adjustments by Year

Amount of Adjustments to include in Proposal 2020 TC

#3) Transition Adjustments Added to Customer Co

- Customer Related Costs
- Medium Pressure Distribution Costs
- High Pressure Distribution Costs
- Backbone Transmission Costs
- Local Transmission Costs
- Storage - Borrego
- Core Seasonal Storage
- Storage - Load Balancing
- NGV

Total Margin Allocation w/o SI, w/FAR, FF&U, Seas

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

Miscellaneous Inputs

2020 TCAP Application

Calculation of UnAccounted For Gas:

UAF Volumes Mth/yr	6,315	TCAP
System AYTP Mth/yr	1,109,315	Alloc Factors
% UAF	0.569%	
Citygate price \$/dth	<u>\$2.77</u>	
UAF \$/yr	<u>\$1,748</u>	

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

Gas Cost \$/dth \$2.77 TCAP 2020

BTU Factor

1.0397 **Mbtu/cf** Demand FC
1,040 Mbtu/mcf
1 th = 100,000 BTUs
1,000 Mth = 100,000MBTUs

Calculation of Brokerage Fee:

		TCAP	
Core Broker Fee Rate \$/th		<u>\$0.00207</u>	
Core AYTP Mth/yr		473,212	Sales
		\$980	
FFU	2.29%	<u>\$22</u>	
Core Broker Fee w/FFU \$000		<u>\$1,002</u>	
Core Broker Fee Rate \$/th without FFU		<u>\$0.00207</u>	
FFU		1.017	
Core Broker Fee w/FFU \$/th		<u>\$0.00211</u>	

Calculation of Company Use Other \$/therm:

Co Use Other usage (Mth)	466	TCAP D.16-10-004
SoCal Citygate \$/th	<u>\$0.277</u>	
Co Use \$000	<u>\$129</u>	

FFU Rates & Example Calculation:

	SDGEGas	Source
Gross Revenue Billed	\$100.000	2016 GRC
Uncollectable	0.17400%	\$0.170 2016 GRC
Franchise Rate	2.07270%	\$2.073 2016 GRC
Net Revenue	<u>\$97.757</u>	
if I want this net revenue		
	\$97.757	
Net to Gross= Gross Revenue/Net revenue =	102.2946%	
then I need to bill this amount	<u>\$100.000</u>	
If I bill this amount		
	\$100.00	
Gross-to-Net = Net Revenue/Gross Revenue	97.7569%	
then I will get this net revenue	<u>\$97.757</u>	
If I bill this amount		
	\$100.00	
Gross to Net = 1-(Net Revenue/Gross Revenue) =	2.2431%	
then I will get this net revenue	<u>\$97.757</u>	

SDG&E - Citygas Gas price for LUAF (\$/mmbtu)**SDG&E Core Procurement Price \$/th**

SoCal Border price	\$0.24430
Brokerage Fee	\$0.00207
Subtotal	<u>\$0.24637</u>
FFU	102.2946%
Subtotal with FFU	<u>\$0.25203</u>
Backbone Transmission Service \$/th/day	\$0.026245
SDG&E Gas Procurement (\$/th)	<u><u>\$0.27827</u></u>

SDG&E - Gas price for G-CP for Residential Bill (\$/mmbtu)**SDG&E Core Procurement Price \$/th**

SoCal Border price	\$0.24430
Brokerage Fee	\$0.00207
Subtotal	<u>\$0.24637</u>
FFU	102.2946%
Subtotal with FFU	<u>\$0.25203</u>
Backbone Transmission Service \$/th/day	\$0.026245
SDG&E Gas Procurement (\$/th)	<u><u>\$0.27827</u></u>

SDG&E AB 32 Admin Fees**Summary of Rate Adder Components**

AB32 Fees (subtracted from base margin and allocated here)	\$573	\$0.00083	100%
Environmental Fee Memorandum Account EFMA	\$0	\$0.00000	0%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0.00000	0%
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0.00000	0%
Total	\$573		100%
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	687,435		
Rate Adder \$/th	\$0.00083	\$0.00083	

AB 32 Admin Fee Components from Cost Alloc

	Res	NGV	Core C&I	Total Core	NCCI
AB32 Fees (subtracted from base margin and allocated here)	\$261	\$20	\$162	\$443	\$39
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0
Total	\$261	\$20	\$162	\$443	\$39
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	313,234	24,129	194,777	532,140	46,945
Rate Adder \$/th	\$0.00083	\$0.00083	\$0.00083	\$0.00083	\$0.00083

AB 32 Admin Fee Components from NCCI Detail Alloc

	NCCI-D	NCCI-T	Total Allocated to NCCI	Source
AB32 Fees (subtracted from base margin and allocated here)	\$24	\$15	\$39	Cost Alloc
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	Cost Alloc
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	Cost Alloc
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	Cost Alloc
Total	\$24	\$15	\$39	
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	29,376	17,569	46,945	Cost Alloc
Rate Adder	\$0.00083	\$0.00083	\$0.00083	

AB 32 Admin Fee Components from EG Detail Alloc

	EG-D-T1	EG-D-T2	EG-T	Total EG
AB32 Fees (subtracted from base margin and allocated here)	\$20	\$37	\$33	\$90
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
Total	\$20	\$37	\$33	\$90
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	24,560	44,206	39,584	108,350
Rate Adder	\$0.00083	\$0.00083	\$0.00083	\$0.00083

GHG Fees

Summary of Rate Adder Components

	Rate Adder
System Total	Contribution
\$0	\$0.00000

EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total	F&U Amount \$000	Total Allocated \$000
\$24	\$66	\$90	\$129	\$573	\$13	\$560
\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$24	\$66	\$90	\$129	\$573	\$13	\$560
29,391	78,959	108,350	155,294	687,435		
\$0.00083	\$0.00083	\$0.00083	\$0.00083	\$0.00083		

Source
 Cost Alloc
 Cost Alloc
 Cost Alloc
 Cost Alloc
 Cost Alloc

Total	\$0	
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	593,667	
Rate Adder \$/th	\$0.00000	\$0.00000

GHG Fee Components from Cost Alloc

	Res	NGV	Core C&I	Total Core	NCCI
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	313,234	24,129	194,777	532,140	28,556
Rate Adder \$/th	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000

GHG Fee Components from NCCI Detail Alloc

	NCCI-D	NCCI-T	Total Allocated to NCCI	Source
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	NCCI Detail Alloc
Total	\$0	\$0	\$0	
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	27,694	862	28,556	NCCI Detail Alloc
Rate Adder	\$0.00000	\$0.00000	\$0.00000	

GHG Fee Components from EG Detail Alloc

	EG-D-T1	EG-D-T2	EG-T	Total EG
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	23,450	4,665	4,857	32,971
Rate Adder	\$0.00000	\$0.00000	\$0.00000	\$0.00000

EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total	F&U Amount \$000	Total Allocated \$000
\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0
28,307	4,665	32,971	61,527	593,667		
\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000		

Source
EG Detail Alloc

EG Detail Alloc

SDG&E
Residential Rate Design
2020 TCAP Application

Procedure:

Calculate revenue from GR rate

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

RESULTS of Resid Rate:

	Customer Charge/ Minimum bill \$/mo	BL \$/th	NBL \$/th	Average Volumetric Rate \$/th	# Customers/Res Units of MM Cust	BL Volume mth/y	NBL Volume mth/yr	Total Volume mth/yr	Customer Charge or Minimum Bill \$000/yr	BL revenue \$000/yr	NBL Revenue \$000/yr	Total Volumetric Revenue \$000/yr	Total Revenue \$000/yr
Res (Schd GR)	\$10.00	\$0.48617	\$1.07317	\$0.59482	874,067	255,260	57,974	313,234	\$104,888	\$124,101	\$62,217	\$186,318	\$291,206
Submeter Credit \$/unit/day (Schd GS)				(\$0.26499)	5,879							(\$569)	(\$569)
Submeter Credit \$/unit/day (Schd GT)				(\$0.28570)	26,104							(\$2,722)	(\$2,722)
Borrego Revenue												\$65	\$65
Employee Discount (Schd GR)												(\$367)	(\$367)
SDFFD												\$1,330	\$1,330
CAT Adder				\$0.00000				2,253				\$0	\$0
CSITMA Adder				\$0.00318				258,322				\$822	\$822
CARB Adder				\$0.00083				313,234				\$261	\$261
GHG Adder				\$0.00000				319,982				\$0	\$0
Total Residential													\$290,025

Volumetric Revenue and Volumes Calculation

			Source
Total Res Rev \$000		\$290,025	Cost Alloc
less CAT adder costs		\$0	Cost Alloc
less CSITMA adder costs		(\$822)	Cost Alloc
less CARB adder costs		(\$261)	Cost Alloc
less GHG adder costs		\$0	Cost Alloc
less Borrego \$000		(\$65)	Borrego
plus Employee Discount \$000		\$367	2017 Actual
plus Submeter Credit GS		\$569	
plus Submeter Credit GT		\$2,722	
		<u>\$292,535</u>	
less SDFFD	0.455%	(\$1,330)	SDFFD
Tot. Rev from GR Rate		\$291,206	
less customer charge rev		\$104,888	
Vol. Rev from GR Rate		<u>\$186,318</u>	
BL Vols Mth/yr	81.5%	255,260	
NBL Vols Mth/yr		57,974	
GR Volumes Mth/yr		<u>313,234</u>	Alloc Factors
2020 TCAP Res Vols:			
BL		221,963	81.5% 2020 TCAP
NBL		50,412	18.5% 2020 TCAP
Total		<u>272,375</u>	100.0%

Commodity Rate = \$/th	\$0.27687	Misc Inputs
total vols Mth/yr	313,234	
Commodity Rev	\$86,726	
Transport Rev	\$186,318	
Total rev	\$273,044	
NBL/BL Composite Rate Ratio	1.15	2016 TCAP
Composite Rate \$/th	\$1.17395	
NBL rate w/commodity =	\$1.35005	<i>NBL rate = 1.15 * composite rate BL rate</i>
BL rate w/o commodity =	\$0.48617	
NBL rate w/o commodity =	\$1.07317	
Verify Total Revenue:		
Cst. Chg. Revenue	\$104,888	
BL Revenue	\$124,101	
NBL Revenue	\$62,217	
	\$291,206	
plus CAT adder	\$0	
plus CSITMA adder	\$822	
plus CARB adder costs	\$261	
plus GHG adder costs	\$0	
plus Borrego	\$65	
less employee discount	(\$367)	
less Submeter Credit GS	(\$569)	
less Submeter Credit GT	(\$2,722)	
plus SDFFD	\$1,330	
total res reve	\$290,025	
<i>verify revenue</i>	\$0	
Target		

Calculate Submeter Credit Revenues:	Sched GS, MultiFamily	Sched GT, Mobilehome	
Based on Current Rate:			
Number of Res Units Behind Master Meter Customer	5,879	26,104	2017 Recorded
Number of Master Meter Customers	224	227	2017 Recorded
Number of Res Units per Master Meter Customer	26	115	
Number of Master Meter Customers-Forecast	224	227	2017 Recorded
Number of Res Units Behind Master Meter Customers-F	5,879	26,104	
Submeter Credit, \$/day/unit	(\$0.26499)	(\$0.28570)	2020TCAP SubMtr Cr
Number of days for subMeter CR =	365	365	
Submeter Credit Revenues \$000/yr =	(\$569)	(\$2,722)	

Calculation of CAT Adder:		Source
Costs allocated to Res class \$000	\$0	Cost Alloc
CAT Volumes Mth	2,253	Alloc Factors
	<u>\$0.00000</u>	

Calculation of CSITMA Adder, Decision 10-01-022 January 21, 2010		Source
Costs allocated to Res class \$000	\$822	Cost Alloc
Non Care/FERA Res Volumes Mth/yr	258,322	Misc Inputs
	<u>\$0.00318</u>	

Calculation of CARB Adder:		Source
Costs allocated to Res class \$000	\$261	Cost Alloc
Volumes Mth	313,234	Alloc Factors
	<u>\$0.00083</u>	

Calculation of GHG Adder:		Source
Costs allocated to Res class \$000	\$0	Cost Alloc
Volumes Mth	319,982	Alloc Factors
	<u>\$0.00000</u>	

Minimum Bil/Customer Charge Revenue	\$104,888	Minimum Charge	\$1,041	2020 TCAP
Customer Charge				
# of customers	874,067			
Customer Charge	\$10			
Total Customer charge (\$000)	\$104,888			1040.58589

**SDG&E 2020 TCAP FILING
CALCULATION OF LNG SERVICE RATES
San Diego Gas & Electric**

	2017 Billing Months	2017 Borrego Volumes (therms)	Present Rates		Proposed Rates		Change	Source
			Rates \$/therm	Revenues \$'s	Rates \$/therm	Revenues \$'s		
WACOG			\$0.27687		\$0.27687			Misc Inputs
GR Baseline w/o WACOG			\$0.86668		\$0.48617			Rate Tables
GR NBL w/o WACOG			\$1.04355		\$1.07317			Rate Tables
GR Baseline w/wacog	2,788	40,666	\$1.14355	\$46,504	\$0.76305	\$31,030		2020 TCAP
GR NBL w/wacog		20,709	\$1.32042	\$27,345	\$1.35005	\$27,958		2020 TCAP
GR-LI BL	727	12,646	\$0.91484	\$11,569	\$0.61044	\$7,720		2020 TCAP
GR-LI NBL		1,918	\$1.05634	\$2,026	\$1.08004	\$2,072		2020 TCAP
GR total	3,515	75,939	\$1.15149	\$87,443		\$68,779	(\$18,664)	
			<i>Present</i>		<i>Proposed</i>			
GL-1 Facility Charge (\$/mo.)		3,515	\$14.79	\$51,988	\$14.79	\$51,988	0.0%	
GL-1 Surcharge \$/th		75,939	\$0.16571	\$12,583	\$0.16571	\$12,583	0.0%	
				\$64,572		\$64,572		
GL-1 Total				\$64,572		\$64,572	0.0%	
LNGSTA Tracking Acct Balance				\$0		\$0		
Grand Total (\$)				\$152,015		\$133,351		
divided by Gas Volumes (therms)				75,939		75,939		
= Average LNG Rate \$/therm				\$2.00181		\$1.75603		
%Change from Present Rates						-12.3%		
Grand Total (\$)				\$152,015		\$133,351		
divided by Billing Months				3,515		3,515		
= Average Gas LNG Service Bill \$/bill				\$43.25		\$37.94		
plus Electric Service Bill \$/bill				\$93.64		\$93.64		2020 TCAP
= Total Service Bills \$/bill				\$136.88		\$131.57		
less All-Electric Service Bill for Borrego \$/bill				\$118.07		\$118.07		2020 TCAP
Difference from All-Electric Bill				\$18.81		\$13.50		
%Change from All-Electric				15.9%		11.4%		
%Change, Total Bill				0.0%				

SDG&E Core C&I Rates

2020 TCAP Application

Procedure

Calculate Customer Charge Revenue

Calculate Volumetric Revenue by Tiers

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

Results		Rate \$/mo or \$/th	# Customers	AYTP mth/yr	revenue \$000/yr	Source
Customer Charge		\$10.00	30,937		\$3,712	Alloc Factors
TIER 1	0-1000 th/mo	\$0.39272		87,627	\$34,413	
TIER 2	1001-21k th/mo	\$0.23099		88,939	\$20,544	
TIER 3	> 21k th/mo	\$0.18530		18,211	\$3,375	
Total Volumetric		\$0.29948		194,777	\$58,332	
Total Volumetric & Customer Charge		\$0.31854		194,777	\$62,044	
SDFFD					\$360	
Cat Adder \$/th		\$0.00000		39,978	\$0	Alloc Factors
CSITMA Adder \$/th		\$0.00318		187,959	\$598	Alloc Factors
Total CCI		\$0.32346		194,777	\$63,002	

Calculation of Volumetric Rates

	% difference from Tier 1	Forecast Vol Mth/yr	Vol Rate Base Margin Items \$/th	Vol Rev Base Margin Items \$000	Vol Rate NonBase Margin Items \$/th	Total Vol Rate \$/th	Total Vol Rev \$000	Source
Tier 1		87,627	\$0.28570	\$25,035	\$0.10702	\$0.39272	\$34,413	
Tier 2	43%	88,939	\$0.12397	\$11,026	\$0.10702	\$0.23099	\$20,544	
Tier 3	27%	18,211	\$0.07829	\$1,426	\$0.10702	\$0.18530	\$3,375	
		194,777		\$37,487		\$0.29948	\$58,332	

Total Allocated Base Margin Costs		\$40,147	
less customer charge revenue		<u>(\$3,712)</u>	
Plus Non-ECPT items		\$1,053	
Target Vol Rev \$000 =		\$37,487	
Vol revenue Check should be \$0		\$0	
Total Allocated Costs		\$63,002	Cost Alloc
less SDDFD	0.571%	<u>\$360</u>	
Subtotal Allocated Costs		\$62,642	
Total Allocated Base Margin Costs		\$40,147	Cost Alloc
Less CAT costs \$000		\$0	Cost Alloc
Less CSITMA Adder \$/th		<u>\$598</u>	Cost Alloc
Total Allocated NonBase Margin Costs		\$20,844	
Forecast AYTP Mth/yr		<u>194,777</u>	
Volumetric Rate for NonBaseMargin Items \$/th		\$0.10702	

Notes:

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

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

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

Volumetric rates are calculated in 2 parts:

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

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

Calculation of AYTP by Tier & Band Mth/year

	TIER 1 0-100 th/mo	TIER 2 101-250 th/mo	TIER 3 251-1k th/mo	TIER 4 1,001-4,167 th/mo	TIER 5 4,168-12,500 th/mo	TIER 6 12,501-21k th/mo	TIER 7 > 21k th/mo	TOTAL	Source
2017 Recorded Annual Data Normalized to AYTP HDD Mth/yr									
Band 1 0-100 th/yr	254	0	0	0	0	0	0	254	2017 Data
Band 2 101-300 th/yr	774	7	0	0	0	0	0	781	2017 Data
Band 3 301-3k th/yr	5,614	2,672	815	14	0	0	0	9,115	2017 Data
Band 4 3,001-12k th/yr	6,834	9,859	19,908	1,165	19	0	0	37,785	2017 Data
Band 5 12,001-50k th/yr	2,670	3,977	19,136	23,532	1,085	48	8	50,455	2017 Data
Band 6 50,001-250k th/yr	552	827	4,114	16,599	20,016	4,192	911	47,210	2017 Data
Band 7 > 250k th/yr	68	103	513	2,164	5,628	5,413	15,436	29,326	2017 Data
Therm Totals	16,766	17,445	44,486	43,474	26,748	9,653	16,355	174,926	

2014 Recorded Annual Data as % of Total

Band 1 0-100 th/yr	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Band 2 101-300 th/yr	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
Band 3 301-3k th/yr	3.2%	1.5%	0.5%	0.0%	0.0%	0.0%	0.0%	5.2%
Band 4 3,001-12k th/yr	3.9%	5.6%	11.4%	0.7%	0.0%	0.0%	0.0%	21.6%
Band 5 12,001-50k th/yr	1.5%	2.3%	10.9%	13.5%	0.6%	0.0%	0.0%	28.8%
Band 6 50,001-250k th/yr	0.3%	0.5%	2.4%	9.5%	11.4%	2.4%	0.5%	27.0%
Band 7 > 250k th/yr	0.0%	0.1%	0.3%	1.2%	3.2%	3.1%	8.8%	16.8%
Therm Totals	9.6%	10.0%	25.4%	24.9%	15.3%	5.5%	9.3%	100.0%

Forecasted AYTP Mth/yr

Forecasted AYTP for CCI class th/yr 194,777 Alloc factors

Band 1 0-100 th/yr	283	0	0	0	0	0	0	283
Band 2 101-300 th/yr	862	8	0	0	0	0	0	870
Band 3 301-3k th/yr	6,251	2,975	908	15	0	0	0	10,149
Band 4 3,001-12k th/yr	7,609	10,978	22,167	1,297	21	0	0	42,073
Band 5 12,001-50k th/yr	2,973	4,428	21,307	26,202	1,208	54	9	56,181
Band 6 50,001-250k th/yr	614	921	4,581	18,483	22,287	4,668	1,014	52,568
Band 7 > 250k th/yr	76	114	571	2,410	6,267	6,027	17,188	32,654
Total Forecast AYTP Mth/yr	18,668	19,424	49,535	48,407	29,783	10,749	18,211	194,777

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

Total Forecast AYTP Mth/yr **87,627** **88,939** **18,211** **194,777**

Calculation of # Customers by Tier & Band

	TIER 1 0-100 th/mo	TIER 2 101-250 th/mo	TIER 3 251-1k th/mo	TIER 4 1,001-4,167 th/mo	TIER 5 4,168-12,500 th/mo	TIER 6 12,501-21k th/mo	TIER 7 > 21k th/mo	TOTAL	Source
# of Customer Bills/year in 2017									
Band 1 0-100 th/yr	44,079	0	0	0	0	0	0	44,079	2020 TCAP
Band 2 101-300 th/yr	42,254	289	3	0	0	0	0	42,546	2020 TCAP
Band 3 301-3k th/yr	52,573	27,102	6,246	51	0	0	0	85,972	2020 TCAP
Band 4 3,001-12k th/yr	2,069	4,534	59,143	3,729	11	0	0	69,486	2020 TCAP
Band 5 12,001-50k th/yr	188	217	2,945	22,429	1,012	6	3	26,800	2020 TCAP
Band 6 50,001-250k th/yr	10	8	54	690	3,753	832	178	5,525	2020 TCAP
Band 7 > 250k th/yr	1	0	0	1	18	79	586	685	2020 TCAP
Total # bills/year	141,174	32,150	68,391	26,900	4,794	917	767	275,093	

2010 Recorded Data as % of Total

Band 1 0-100 th/yr	16.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.0%
Band 2 101-300 th/yr	15.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	15.5%
Band 3 301-3k th/yr	19.1%	9.9%	2.3%	0.0%	0.0%	0.0%	0.0%	31.3%
Band 4 3,001-12k th/yr	0.8%	1.6%	21.5%	1.4%	0.0%	0.0%	0.0%	25.3%
Band 5 12,001-50k th/yr	0.1%	0.1%	1.1%	8.2%	0.4%	0.0%	0.0%	9.7%
Band 6 50,001-250k th/yr	0.0%	0.0%	0.0%	0.3%	1.4%	0.3%	0.1%	2.0%
Band 7 > 250k th/yr	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
	51.3%	11.7%	24.9%	9.8%	1.7%	0.3%	0.3%	100.0%

Forecasted # Customers

Forecasted # Customers for CCI class 30,937 Alloc factors

Band 1 0-100 th/yr	4,957	0	0	0	0	0	0	4,957
Band 2 101-300 th/yr	4,752	33	0	0	0	0	0	4,785
Band 3 301-3k th/yr	5,912	3,048	702	6	0	0	0	9,668
Band 4 3,001-12k th/yr	233	510	6,651	419	1	0	0	7,814
Band 5 12,001-50k th/yr	21	24	331	2,522	114	1	0	3,014
Band 6 50,001-250k th/yr	1	1	6	78	422	94	20	621
Band 7 > 250k th/yr	0	0	0	0	2	9	66	77
Total Forecast # Customers	15,876	3,616	7,691	3,025	539	103	86	30,937

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

Total Forecast # Customers	27,183			3,667			86	30,937
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SDGE NGV Cost Allocation

2020 TCAP Application

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	\$3,515	Cost Alloc
Less Compression Costs	\$647	Cost Alloc
Less SDDFD	0.193% \$7	
Less CSITMA Adder \$/th	\$75	Cost Alloc
Less CARB Adder \$/th	\$20	Misc Input
Less GHG Adder \$/th	\$0	Misc Input
Total Transport Rev	\$2,766	

Pre SW Calculation of Compression Adder Rate:

EC Compression Costs	\$647	
Compression Volumes mth/yr	628	2020 TCAP
Pre SW Compression Adder Rate \$/th	\$1.03005	

Calculation of Customer Charge Revenue:

	P-1	P-2A	Total	Source
# Customers	15	13	28	2020 TCAP/ Alloc Factors
Customer Charge \$/mo	\$13.00	\$65.00	\$37.46	
Customer Charge Revenue \$000	\$2	\$10	\$12	

Pre-SW Calculation of NGV Transportation Rate:

		Source
Total Transport Rev Stand Alone	\$2,766	
Less Customer Charge revenue \$000/yr	\$12	
Volumetric Revenue \$000/yr	\$2,754	
Transportation volumes mth/yr	24,129	Alloc Factors
Pre-SW NGV Transportation Rate \$/th	\$0.11413	

Post SW Rates:

	Uncompressed	Compressed	Total	
SW Volumetric Rate w/FFU \$/th	\$0.12583	\$1.04809	\$0.14923	Run Tab - SCG RD model/NGV Rates
AYTP Mth/yr	24,129	628	24,757	
SW Volumetric Revenue w/FFU \$000	\$3,036	\$659	\$3,695	
plus Customer Charge Revenue w/FFU	\$12		\$12	
Post SW Revenue w/FFU	\$3,048	\$659	\$3,707	
Pre SW Revenue w/FFU	\$2,766	\$647	\$3,413	
SW Adjustment w/FFU	\$282	\$11	\$294	

Calculation of SDG&E Residential NGV Fuelmaker Rates

2020 TCAP Application

Results of Res Data:	Rate	# Res Customers with Fuel Maker	AYTP Mth/yr	Revenue \$000/yr
Customer Charge \$/mo	\$5.00	15		\$1
Volumetric Rate \$/th	\$1.72275		9	\$16
				<u>\$17</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	\$290,025	Cost Alloc
less CSITMA adder costs	(\$822)	
less CARB adder costs	(\$261)	
less GHG adder costs	\$0	
	<u>\$288,942</u>	
# Res Customers	874,067	Alloc Factors
Residential Cost = \$/Customer/year	\$331	
Additional cost for FM = \$/customer/year	<u>\$1,418</u>	
Total cost for Res customer with FM = \$/customer/yr	\$1,749	
Total # FM customers	15	
Total Revenue from Res Customers with FM=\$000	\$26	
# Res Customers with FM	15	
Customer Charge = \$/mo	\$5.00	
Customer Charge Revenue = \$000/yr	<u>\$1</u>	
Volumetric Revenue from Res Customers with FM=\$000	<u>\$25</u>	
Total Mth/year of Res Customers with FM=Mth/yr	15	
Vol Transport Rate for Res Customer with FM=\$/th	<u>\$1.72275</u>	

Calculation of Total Mth/year of Res Customers with Fuel Maker ("FM"):		Source
Average Residential Th/year:		
Total Residential AYTP=Mth/yr	313,234	Alloc Factors
# Residential Customer	874,067	Alloc Factors
Average Residential Th/year	358	
Additional Th/year for FM:		
Total Fuel Maker Mth/yr	9	
Total # Fuel Maker customers	15	
Additional Th/year for Fuel Maker	622	
Total Th/year for Res Customer with FM = th/yr	980	
Total # FM customers	15	
Total Mth/year of Res Customers with FM=Mth/yr	15	

Calculation of FM therms/year and # FM Customers:		Source
FM Usage Per Day Per Home (therm/day)	1.70	2016 Data
x avg #days/month	30.42	
FM Usage Per Day Per Home (therm/month)	51.83	
Total # Res Customers		
% of Res. Households Having NGV refueling at home		
Total # FM customers	15	2016 Data
Total FM Mth/yr	9.33	
Daily FM volume	0.03	
Monthly FM volume	0.78	

Calculation of Additional cost for FM = \$/customer/year:**Additional cost for FM Source****Incremental Customer Costs \$000/yr**

One Time Billing System Costs \$000	\$100	
Amortization period = years	5	
Incremental Customer Costs \$000/yr	\$20	

Incremental MPD Costs \$000/yr

Res CYPD Mth/d	2,944	Alloc Factors
FM Est Peak Day Mth/d	0.0	
FM CYPD as % Res CYPD	0.00%	
Res MPD Costs \$000	\$61,989	Cost Allocation
Total MPD Costs \$000	\$1	

Incremental HPD Costs \$000/yr

Res CYPM Mth/mo	50,188	Alloc Factors
FM Est Peak Day Mth/d:		
FM Est CYPM Mth/mo	1	
FM CYPM as % Res CYPM	0.00%	
Res HPD Costs \$000	\$12,304	Cost Allocation
Total HPD Costs (\$1,000)	\$0	

Incremental BBT Costs for FM \$000/yr

Res CYTP Mth/yr	w/SI	
Res CYTP Mth/yr	343,408	Alloc Factors
FM Est Peak CYTP Mth/d	9	Use AYTP of FM market
FM CYTP as % Res CYTP	0.00%	
Res BBT Costs w/SI \$000	\$0	Cost Allocation
Incremental BBT Costs \$000	\$0	

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

Res CYPM Mth/mo	50,188	Alloc Factors
FM Est CYPM Mth/mo	1	Use AYTP of FM market
FM CYPM as % Res CYPM	0.00%	
Res Local-T Costs w/SI \$000	\$3,418	Cost Allocation
Incremental Local-T costs \$000	\$0	

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

Res CYPD Mth/d	2,944	Alloc Factors
FM Est Peak Day Mth/d:		
FM Est Peak Day Mth/d	0.0	
FM Peak Day as % Res Peak Day	0.00%	
Res Stoarage Costs - Seasonal \$000	\$0	Cost Allocation
Storage Costs - Seasonal for FM \$000	\$0	

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

Res AYTP Mth/y	313,234	Alloc Factors
FM Est AYTP Mth/y	9	
FM Peak Day as % Res Peak Day	0.00%	
Res Stoarage Costs - Load Balancing \$000	\$0	Cost Allocation
Storage Costs - Load Balancing for FM \$000	\$0	

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

FM Est AYTP Mth/y	9	
Co Use Trans rate as % of end use	0.000%	Misc Input
CoUse Trans for FM Mth/yr	0	
WACOG \$/dth	\$2.77	Misc Input
Co Use Transmission for FM \$000/yr	\$0	

Incremental UAF for FM \$000/yr:

FM Est AYTP Mth/y	9	
UAF rate as % of end use	0.569%	Misc Input
UAF for FM Mth/yr	0	
WACOG \$/dth	\$2.77	Misc Input
UAF for FM \$000/yr	\$0	

Incremental Transport Rev Req w/Sl, w/oFFU \$000/yr	\$21	
FFU Rate	102.29%	Cost Allocation
Incremental Transport Rev Req w/Sl, FFU \$000/yr	\$21	
# FM Customers	15	
Additional cost for FM = \$/customer/year	\$1,418	

SDG&E NonCore C&I Distribution Rates

**2020 TCAP Application
Procedure**

Calculate customer charge revenue.
Calculate total volumetric revenue.

	TOTAL	Source
Customer Charge Revenue \$000/yr:		
Forecast # Customers	44	NCCI Detail Alloc
Customer Chare \$/mo	\$350.00	
Customer Charge Revenue \$000/yr	<u>\$185</u>	
Calculation of Total Volumetric Revenue \$000:		
Total Costs Allocated to NCCI-D class \$000/yr	\$2,901	NCCI Detail Alloc
Less Customer Charge Revenue \$000	\$185	
Less CSITMA Adder \$/th	\$87	NCCI Detail Alloc
Less GHG Adder \$/th	<u>\$0</u>	NCCI Detail Alloc
Volumetric Revenue \$000	\$2,629	
AYTP NCCI-D Mth/yr	<u>29,376</u>	NCCI Detail Alloc
Volumetric Rate \$/th	<u>\$0.08951</u>	
Total Revenue \$000	\$2,901	
Average Rate \$/th	<u>\$0.09876</u>	



SDG&E EG-D Rates

**2020 TCAP Application
Procedure**

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

Summary of EG Distribution Rates:	Pre Sempra Wide Rates			Post Sempra Wide Rates		
	Mth/yr	Rate \$/th	\$000's	Mth/yr	Rate \$/th	\$000's
EFBA Exempt Rates:						
EG Distribution Tier 1:						
Customer Charge	69	\$50.00	\$41	69	\$50.00	\$41
Volumetric Rate (excl ITCS)	24,662	\$0.10536	\$2,598	24,662	\$0.12880	\$3,176
	24,662	\$0.10704	\$2,640	24,662	\$0.13048	\$3,218
EG Distribution Tier 2						
Customer Charge	6	\$0.00	\$0	6	\$0.00	\$0
Volumetric Rate	44,206	\$0.06351	\$2,808	44,206	\$0.07293	\$3,224
	44,206	\$0.06351	\$2,808	44,206	\$0.07293	\$3,224
EG Distribution EFBA & GHG Exempt Customers	68,867	\$0.07910	\$5,447	68,867	\$0.09353	\$6,441
EFBA & GHG Non-Exempt Rates:						
EFBA Cost Adder	68,765	\$0.00083	\$57	68,765	0.00083	\$57
GHG Cost Adder	28,114	\$0.00000	\$0	28,114	0.00000	\$0
EG-Distribution Tier 1 w/EFBA & GHG Adders		\$0.10619			0.12963	
EG-Distribution Tier 2 w/EFBA & GHG Adders		\$0.06434			0.07376	
Total EG Distribution Level	68,867	\$0.07993	\$5,505	68,867	\$0.09437	\$6,499

Calculation of Pre SemptraWide EG-D Rate Excl CARB & GHG	EG-D Tier 1	EG-D Tier 2	Total	Source
AYTP mth/yr	24,662	44,206	68,867	EG-EOR Detail Alloc
Total revenue \$000/yr	\$2,660	\$2,844	\$5,505	EG-EOR Detail Alloc
Less: AB32 Admin Fees	(\$20)	(\$37)	(\$57)	EG Detail Alloc
Less: GHG Fees	\$0	\$0	\$0	EG Detail Alloc
Total revenue \$000/yr	\$2,640	\$2,808	\$5,447	
total rate net of AB 32 Admin Fee Incl Cust Chg \$/th	\$0.10704	\$0.06351	\$0.07910	
Customer Charge:				
Total Customers	69	6	75	EG-EOR Detail Alloc
Customer Charge	\$50.00	\$0.00		
Customer Charge Rev \$000/yr	\$41	\$0	\$41	
Volumetric Rate:				
Total revenue \$000/yr	\$2,640	\$2,808	\$5,447	
Less Customer Charge \$000/yr	\$41	\$0	\$41	
Volumetric Revenue \$000/yr	\$2,598	\$2,808	\$5,406	
Volumetric Rate /th	\$0.10536	\$0.06351	\$0.07850	

Post SW Rates:

SW Volumetric Rate w/FFU \$/th	\$0.12880	\$0.07293		SCG RD model/EG-D Rates
AYTP Mth/yr	24,662	44,206	68,867	
SW Volumetric Revenue \$000	\$3,176	\$3,224	\$6,400	
plus Customer Charge Revenue \$000	\$41	\$0	\$41	
plus AB32 Admin Fee				
Post-SW Total Revenue \$000	\$3,218	\$3,224	\$6,441	
Pre-SW Total Revenue \$000	\$2,640	\$2,808	\$5,447	
SW Adjustment \$000	\$578	\$416	\$994	
Post-SW Total Revenue \$000	\$3,218	\$3,224	\$6,441	
AYTP Mth/yr	24,662	44,206	68,867	
Post SW Average Rate \$/th	\$0.13048	\$0.07293	\$0.09353	

EFBA & GHG amounts \$000

\$20 \$37 \$57

SUMMARY of Pre & Post SW revenue & rates w/FFU w/EFBA:

Pre SW Total Revenue Tier 1 & 2 w/FFU \$000	\$2,660	\$2,844	\$5,505
Post SW Total Revenue Tier 1 & 2 w/FFU \$000	\$3,238	\$3,261	\$6,499
Total SW Adjustment w/FFU \$000	\$578	\$416	\$994

Calculation of EFBA fee

				Source
Costs allocated to EG class \$000	\$20	\$37	\$57	EG Detail Alloc
EG Non-Exempt Volumes Mth/yr	24,560	44,206	68,765	EG Detail Alloc
Cost Adder for Non-Exempt EG-D Customers	\$0.00083	\$0.00083	\$0.00083	

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

AP Application

A	2017 Revenue				SDFFD FACTOR
	City of San Diego		Total System		
	Applicable SD Revs b/	SDFFD Revenues	w/o SDFFD a/	with SDFFD	
B	C	D	E	F	
	(in 000s)	(in 000s)	(in 000s)	(in 000s)	
Schedule		1.030% c/			
Single Family (GR)	\$107,150	\$1,104	\$249,323	\$250,427	0.443%
Single Family Low Income (GR-LI)	17,402	179	\$40,529	\$40,708	0.442%
Multi Family (GM/GS/GT)	25,846	266	\$50,855	\$51,121	0.523%
LNG Fac. Chg. (GL-1)	0	0	\$62	\$62	0.001%
Res Aggreg Trans (GTAGTC)	720	7	\$1,678	\$1,685	0.442%
Total Core Residential	\$151,118	\$1,557	\$342,447	\$344,004	0.455%
Small Commercial (GN-1\3)	57,841	596	\$104,390	\$104,986	0.571%
NGV Vehicles (NGV)	778	8	\$4,142	\$4,150	0.193%
Comm Aggreg Trans (GTARC)	6,880	71	\$13,924	\$13,995	0.509%
Total Core Commercial	\$65,499	\$675	\$122,456	\$123,130	0.551%
TOTAL CORE	\$216,618	\$2,231	\$464,903	\$467,134	0.480%
Noncore Noncogen Com. (GPNC)	1,775	18	\$2,488	\$2,507	0.735%
Power Plant	0	-	\$5,763	\$5,763	0.000%
NonCogen Trans. (GTNC)	245	3	\$267	\$269	0.946%
Cogen Trans. (GTCG\EG) (excl. Rosarito)	4,840	50	\$9,117	\$9,167	0.547%
TOTAL NONCORE	\$6,860	\$71	\$17,636	\$17,706	0.401%
TOTAL GAS	\$223,478	\$2,302	\$482,538	\$484,840	0.477%

**SDG&E Residential Bill Impact
2020 TCAP Application**

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer.
- 3) BL usage limits reflect Zone 1
- 4) G-SRF rate for 01/2018

BL therms =	14	27	39	21	249	39	31	27	22	15	15	15	13	13	13	18	27
NBL therms =	1	0	0	0	6	0	0	0	0	4	2	0	0	0	0	0	0
charges																	
Customer charge/Minimum Bill \$/d	\$8.07	\$7.93	\$8.15	\$8.00	\$96.00	\$8.15	\$7.36	\$8.15	\$7.89	\$8.15	\$7.89	\$8.15	\$8.15	\$7.89	\$8.15	\$7.89	\$8.15
BL charges \$/mo =	\$5.51	\$10.77	\$15.36	\$8.14	\$97.63	\$15.36	\$12.27	\$10.55	\$8.68	\$5.88	\$5.88	\$5.84	\$5.07	\$5.08	\$5.28	\$6.96	\$10.78
NBL charge \$/mo =	\$0.80	\$0.00	\$0.00	\$0.40	\$4.78	\$0.00	\$0.00	\$0.00	\$0.00	\$3.29	\$1.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$3.33	\$6.11	\$8.72	\$4.72	\$56.66	\$8.72	\$6.96	\$5.99	\$4.93	\$4.19	\$3.73	\$3.31	\$2.88	\$2.88	\$3.00	\$3.95	\$6.12
PPPS charge \$/mo =	\$0.89	\$1.63	\$2.33	\$1.26	\$15.14	\$2.33	\$1.86	\$1.60	\$1.32	\$1.12	\$1.00	\$0.89	\$0.77	\$0.77	\$0.80	\$1.06	\$1.64
G-PUC Regulatory Fee \$/mo =	\$0.02	\$0.05	\$0.07	\$0.04	\$0.42	\$0.07	\$0.05	\$0.04	\$0.04	\$0.03	\$0.03	\$0.02	\$0.02	\$0.02	\$0.02	\$0.03	\$0.05
C&T charge \$/mo=	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Charge \$/mo =	\$18.62	\$26.49	\$34.62	\$22.55	\$270.63	\$34.62	\$28.51	\$26.33	\$22.86	\$22.66	\$20.02	\$18.21	\$16.90	\$16.65	\$17.25	\$19.89	\$26.73

**SDG&E Commercial Bill Impact
2020 TCAP Application**

- Notes:**
 1) G-CP rate from TCAP
 2) PPPS rate for non-care customer. Current rate in 2018
 3) G-SRF rate in 2018
 4) Month Average = annual \$amount/12 and Monthly Avg Rate = \$amount/#therms.

	Typical Winter Month (nov-apr)	Typical Summer Month (may-oct)	Monthly Average	Annual Charges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Medium C&I average bill \$/month - 1,000 th/month	Large C&I average bill \$/month - 6,250 th/month	Large and Medium C&I average bill \$/month - 7,250 th/month
SDG&E Core C&I - Current Rates:																			
Customer Charge \$/mo. =	\$10.00	\$10.00	\$10.00		\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 Rate \$/th =	\$0.33142	\$0.33142	\$0.33142		\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142
Tier 2 Rate \$/th =	\$0.20022	\$0.20022	\$0.20022		\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022
Tier 3 Rate \$/th =	\$0.16315	\$0.16315	\$0.16315		\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315
G-CPC \$/th =	\$0.27827	\$0.27827	\$0.27827		\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827
PPPS \$/th =	\$0.05956	\$0.05956	\$0.05956		\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956
G-PUC Regulatory fee \$/th =	\$0.00166	\$0.00166	\$0.00166		\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166
Effective Average Rate \$/th	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425
# days in month =	30	30	30.42	365	31	28	31	30	31	30	31	31	30	31	30	31	31	31	31
Tier Usage Limits (i.e. maximum # of therms charged at each tier):																			
Tier 1 usage limit th/mo =	1,000	1,000	1,000	12,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Tier 2 usage limit th/mo =	21,000	21,000	21,000	252,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Tier 3 no limit																			
Total th used th/mo =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	1,000	6,250	7,250
Tier 1 therms =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	1,000	1,000	1,000
therms remaining to be classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,250	6,250
Tier 2 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,250	6,250
Tier 3 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
therms accounted for	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	1,000	6,250	7,250
Customer Charge \$/mo =	\$10	\$10	\$10	\$120	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 charges \$/mo =	\$99.43	\$99.43	\$99	\$1,193	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$331.42	\$331.42	\$331.42
Tier 2 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,051.14	\$1,251.35
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$83.48	\$83.48	\$83	\$1,002	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$278.27	\$1,739.19	\$2,017.46
PPPS charge \$/mo =	\$17.87	\$17.87	\$18	\$214	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$59.56	\$372.27	\$431.83
G-PUC Regulatory Fee \$/mo =	\$0.50	\$0.50	\$0	\$6	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$1.66	\$10.38	\$12.04
Total Charge \$/mo =	\$211.27	\$211.27	\$211.27	\$2,535.30	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$680.92	\$3,514.39	\$4,054.11

**SDG&E Commercial Bill Impact
2020 TCAP Application**

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer. Current rate in 2018
- 3) G-SRF rate in 2018
- 4) Month Average = annual \$amount/12 and Monthly Avg Rate = \$a

	Small C&I average bill \$/month - 300 th/month	Medium C&I average bill \$/month - 1,000 th/month	Large C&I average bill \$/month - 6,250 th/month	Large and Medium C&I average bill \$/month - 7,250 th/month
SDG&E Core C&I - Current Rates:				
Customer Charge \$/mo. =	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 Rate \$/th =	\$0.31615	\$0.31615	\$0.31615	\$0.31615
Tier 2 Rate \$/th =	\$0.16299	\$0.16299	\$0.16299	\$0.16299
Tier 3 Rate \$/th =	\$0.11972	\$0.11972	\$0.11972	\$0.11972
G-CPC \$/th =	\$0.49583	\$0.49583	\$0.49583	\$0.49583
PPPS \$/th =	\$0.08626	\$0.08626	\$0.08626	\$0.08626
G-PUC Regulatory fee \$/th =	\$0.00068	\$0.00068	\$0.00068	\$0.00068
Effective Average Rate \$/th	\$0.70425	\$0.70425	\$0.70425	\$0.70425
# days in month =	31	31	31	31
Tier Usage Limits (i.e. maximum # of therms charged at each tier):				
Tier 1 usage limit th/mo =	1,000	1,000	1,000	1,000
Tier 2 usage limit th/mo =	21,000	21,000	21,000	21,000
Tier 3 no limit				
Total th used th/mo =	300	1,000	6,250	7,250
Tier 1 therms =	300	1,000	1,000	1,000
therms remaining to be classified	0	0	5,250	6,250
Tier 2 therms =	0	0	5,250	6,250
Tier 3 therms =	0	0	0	0
therms accounted for	300	1,000	6,250	7,250
Customer Charge \$/mo =	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 charges \$/mo =	\$94.85	\$316.15	\$316.15	\$316.15
Tier 2 charges \$/mo =	\$0.00	\$0.00	\$855.68	\$1,018.67
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$148.75	\$495.83	\$3,098.91	\$3,594.73
PPPS charge \$/mo =	\$25.88	\$86.26	\$539.11	\$625.37
G-PUC Regulatory Fee \$/mo =	\$0.20	\$0.68	\$4.25	\$4.93
Total Charge \$/mo =	\$279.67	\$908.92	\$4,824.10	\$5,569.85

**SDG&E Commercial Bill Impact
2020 TCAP Application**

- Notes:**
 1) G-CP rate from TCAP
 2) PPPS rate for non-care customer. Current rate in 2018
 3) G-SRF rate in 2018
 4) Month Average = annual \$amount/12 and Monthly Avg Rate = \$amount/#therms.

	Typical Winter Month (nov-apr)	Typical Summer Month (may-oct)	Monthly Average	Annual Charges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Medium C&I average bill \$/month - 1,000 th/month	Large C&I average bill \$/month - 6,250 th/month	Large and Medium C&I average bill \$/month - 7,250 th/month
SDG&E Core C&I - Proposed Rates:																			
Customer Charge Tier 1 \$/day =	\$10.00	\$10.00	\$0.32877		\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 Rate \$/th =	\$0.39590	\$0.39590	\$0.39590		\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590
Tier 2 Rate \$/th =	\$0.23417	\$0.23417	\$0.23417		\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417
Tier 3 Rate \$/th =	\$0.18849	\$0.18849	\$0.18849		\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849
G-CPC \$/th =	\$0.27827	\$0.27827	\$0.27827		\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827
PPPS \$/th =	\$0.05956	\$0.05956	\$0.05956		\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956
G-PUC Regulatory fee \$/th =	\$0.00166	\$0.00166	\$0.00166		\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166
Effective Average Rate \$/th	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873
# days in month =	30	30	30	365	31	28	31	30	31	30	31	31	30	31	30	31	31	31	31
Tier Usage Limits (i.e. maximum # of therms charged at each tier):																			
Tier 1 usage limit th/mo =	1,000	1,000	1,000	12,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Tier 2 usage limit th/mo =	21,000	21,000	21,000	252,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Tier 3 no limit																			
Total th used th/mo =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	1,000	6,250	7,250
Tier 1 therms =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	1,000	1,000	1,000
therms remaining to be classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,250	6,250
Tier 2 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,250	6,250
Tier 3 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
therms accounted for	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	1,000	6,250	7,250
Customer Charge \$/mo =	\$10	\$10	\$10	\$120	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 charges \$/mo =	\$118.77	\$118.77	\$119	\$1,425	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$395.90	\$395.90	\$395.90
Tier 2 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,229.41	\$1,463.58
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$83.48	\$83.48	\$83	\$1,002	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$278.27	\$1,739.19	\$2,017.46
PPPS charge \$/mo =	\$17.87	\$17.87	\$18	\$214	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$59.56	\$372.27	\$431.83
G-PUC Regulatory Fee \$/mo =	\$0.50	\$0.50	\$0	\$6	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$1.66	\$10.38	\$12.04
Total Charge \$/mo =	\$230.62	\$230.62	\$230.62	\$2,767.43	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$745.40	\$3,757.15	\$4,330.82
Increase (decrease) from Current Rates \$/month	\$19.34	\$19.34	\$19.34	\$232.13															
% Increase (decrease) from Current	9.2%	9.2%	9.2%	9.2%															

**SDG&E Commercial Bill Impact
2020 TCAP Application**

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer. Current rate in 2018
- 3) G-SRF rate in 2018
- 4) Month Average = annual \$amount/12 and Monthly Avg Rate = \$a

	2014			
	Small C&I average bill \$/month - 300 th/month	Medium C&I average bill \$/month - 1,000 th/month	Large C&I average bill \$/month - 6,250 th/month	Large and Medium C&I average bill \$/month - 7,250 th/month
SDG&E Core C&I - Proposed Rates:				
Customer Charge Tier 1 \$/day =	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 Rate \$/th =	\$0.39590	\$0.39590	\$0.39590	\$0.39590
Tier 2 Rate \$/th =	\$0.23417	\$0.23417	\$0.23417	\$0.23417
Tier 3 Rate \$/th =	\$0.18849	\$0.18849	\$0.18849	\$0.18849
G-CPC \$/th =	\$0.27827	\$0.27827	\$0.27827	\$0.27827
PPPS \$/th =	\$0.05956	\$0.05956	\$0.05956	\$0.05956
G-PUC Regulatory fee \$/th =	\$0.00166	\$0.00166	\$0.00166	\$0.00166
Effective Average Rate \$/th	\$0.76873	\$0.76873	\$0.76873	\$0.76873
# days in month =	31	31	31	31
Tier Usage Limits (i.e. maximum # of therms charged at each tier):				
Tier 1 usage limit th/mo =	1,000	1,000	1,000	1,000
Tier 2 usage limit th/mo =	21,000	21,000	21,000	21,000
Tier 3 no limit				
Total th used th/mo =	300	1,000	6,250	7,250
Tier 1 therms =	300	1,000	1,000	1,000
therms remaining to be classified	0	0	5,250	6,250
Tier 2 therms =	0	0	5,250	6,250
Tier 3 therms =	0	0	0	0
therms accounted for	300	1,000	6,250	7,250
Customer Charge \$/mo =	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 charges \$/mo =	\$118.77	\$395.90	\$395.90	\$395.90
Tier 2 charges \$/mo =	\$0.00	\$0.00	\$1,229.41	\$1,463.58
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$83.48	\$278.27	\$1,739.19	\$2,017.46
PPPS charge \$/mo =	\$17.87	\$59.56	\$372.27	\$431.83
G-PUC Regulatory Fee \$/mo =	\$0.50	\$1.66	\$10.38	\$12.04
Total Charge \$/mo =	\$230.62	\$745.40	\$3,757.15	\$4,330.82
Increase (decrease) from Current Rates \$/month				
% Increase (decrease) from Current				

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	\$175,758	\$111	\$10,038	\$185,908
Medium Pressure Distribution Costs	\$59,988	\$413	\$18,109	\$78,510
High Pressure Distribution Costs	\$6,039	\$107	\$1,857	\$8,004
Backbone Transmission Costs	\$12,830	\$670	\$6,871	\$20,371
Local Transmission Costs	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
NGV	\$0	\$494	\$0	\$494
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$254,615	\$1,796	\$36,875	\$293,287
Less Backbone Transmission Costs	(\$12,830)	(\$670)	(\$6,871)	(\$20,371)
Less Local Transmission Costs	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$3,508	\$109	\$1,388	\$5,005
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$245,294	\$1,236	\$31,392	\$277,921

79%

Other Operating Costs and Revenues	<i>Non-ECPT?</i>	Add FFU Y or N?	Amount to Allocate (w/o F&U)				
SCG Transport excl Core Storge & Load Balance \$000		Y	\$8,386	\$2,221	\$128	\$1,268	\$3,617
SCG Core Seasonal Storage		Y	\$6,624	\$5,367	\$81	\$1,328	\$6,776
SCG Load Balancing Allocated to ALL SDGE \$000		Y	\$3,548	\$940	\$54	\$536	\$1,530
n/a							
LUAF		Y	\$2,081	\$1,003	\$58	\$572	\$1,633
Company Use Gas: Other		Y	\$200	\$53	\$3	\$30	\$86
AMI rev req incl FF&U AL 1693-G	Y	Y	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)		Y	\$560	\$243	\$14	\$139	\$396
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	\$824	(\$252)	\$96	(\$156)	\$668	\$186,576
Medium Pressure Distribution Costs	\$1,184	\$800	\$465	\$1,265	\$2,449	\$80,959
High Pressure Distribution Costs	\$164	\$126	\$431	\$557	\$721	\$8,725
Backbone Transmission Costs	\$1,629	\$771	\$23,494	\$24,265	\$25,894	\$46,266
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$494
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$3,802	\$1,444	\$24,487	\$25,931	\$29,733	\$323,020
Less Backbone Transmission Costs	(\$1,629)	(\$771)	(\$23,494)	(\$24,265)	(\$25,894)	(\$46,266)
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$270	\$120	\$4,101	\$4,221	\$4,491	\$9,496
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$2,443	\$793	\$5,093	\$5,886	\$8,329	\$286,250

Other Operating Costs and Revenues							F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storage & Load Balance \$000	\$312	\$148	\$4,502	\$4,649	\$4,962	\$8,579	\$192	\$8,386
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$6,776	\$152	\$6,624
SCG Load Balancing Allocated to ALL SDGE \$000	\$132	\$62	\$1,905	\$1,967	\$2,099	\$3,629	\$81	\$3,548
n/a								
LUAF	\$31	\$15	\$450	\$465	\$496	\$2,129	\$48	\$2,081
Company Use Gas: Other	\$7	\$4	\$107	\$111	\$118	\$205	\$5	\$200
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	\$34	\$13	\$130	\$143	\$177	\$573	\$13	\$560
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

Allocation %

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Embedded Costs:									
Customer Related Costs	EC Model	0							
Medium Pressure Distribution Costs	EC Model	0							
High Pressure Distribution Costs	EC Model	0							
Backbone Transmission Costs	EC Model	0							
Local Transmission Costs	EC Model	0							
Storage - Borrego	EC Model	0							
Core Seasonal Storage	EC Model	0							
Storage - Load Balancing	EC Model	0							
NGV	EC Model	0							
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Less Backbone Transmission Costs									
Less Local Transmission Costs									
Plus Local Transmission Costs w/SI,FFU	SCG/ SI & FAR								
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU									
Other Operating Costs and Revenues									
SCG Transport excl Core Storge & Load Balance \$000	SCG RD Model/RUN	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
SCG Core Seasonal Storage	SCG RD Model/RUN	% CYPD MP Res & CCI	100.0%	79.2%	1.2%	19.6%	100.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	SCG RD Model/RUN	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
n/a									
LUAF	Misc Inputs	Method #3 -76.7% core @ ECPT / 23.	100.0%	47.1%	2.7%	26.9%	76.7%	1.5%	0.7%
Company Use Gas: Other	Misc Inputs	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
AMI rev req incl FF&U AL 1693-G	Misc Inputs, AL 1693-G	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
AB32 Fees (subtracted from base margin and allocated here)		ECPT AB32 Fee Non-Exempt	100.0%	42.4%	2.5%	24.2%	69.1%	6.0%	2.3%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	Misc Inputs	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	Misc Inputs	ECPT GHG Fee Non-Exempt	100.0%	55.5%	3.2%	31.7%	90.4%	4.7%	3.5%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	Misc Inputs	Method #3 -76.7% core @ ECPT / 23.	100.0%	47.1%	2.7%	26.9%	76.7%	1.5%	0.7%

SDG&E Cost Allocation

July, 2018 Rates

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

Other Operating Costs and Revenues

SCG Transport excl Core Storage & Load Balance \$000	52.5%	0.0%	57.8%
SCG Core Seasonal Storage	0.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	52.5%	0.0%	57.8%
n/a			
LUAF	21.1%	21.8%	23.3%
Company Use Gas: Other	52.5%	0.0%	57.8%
AMI rev req incl FF&U AL 1693-G	1.8%	0.0%	2.9%
AB32 Fees (subtracted from base margin and allocated here)	22.6%	25.0%	30.9%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	52.5%	0.0%	57.8%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	1.4%	4.9%	9.6%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	21.1%	21.8%	23.3%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's			Res	NGV	Core C&I	Total Core	
Subtotal Other Operating Costs and Revenues			\$21,399	\$9,826	\$339	\$3,873	\$14,038
Regulatory Accounts							
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	Y	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$568	\$498	\$3	\$64	\$564
Baseline Balance BA		Y	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)		Y	\$25,990	\$16,925	\$0	\$9,662	\$26,587
CFCA -NGV only		Y	\$666	\$0	\$681	\$0	\$681
CFCA -Nonmargin Other		Y	\$566	\$356	\$21	\$203	\$579
CFCA -Nonmargin SCG		Y	\$29	\$18	\$1	\$10	\$29
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)		Y	\$830	\$314	\$10	\$124	\$447
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF		Y	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA		Y	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C		Y	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA		Y	\$509	\$135	\$8	\$77	\$219
Master Meter Balancing Account (MMBA)	Y	Y	\$987	\$865	\$4	\$111	\$980
Natural Gas Supp Refund Track Acct		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other		Y	\$268	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG		Y	\$2,604	\$0	\$0	\$0	\$0
NGVA		Y	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC		Y	\$0	\$0	\$0	\$0	\$0
PBOPBA	Y	Y	(\$519)	(\$455)	(\$2)	(\$58)	(\$515)
Pension BA	Y	Y	\$4,070	\$3,568	\$18	\$457	\$4,042
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission		Y	\$219	\$83	\$3	\$33	\$118
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$1,616	\$611	\$19	\$241	\$871
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$14,531	\$10,288	\$183	\$3,164	\$13,636
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission		Y	\$504	\$191	\$6	\$75	\$272
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution		Y	\$1,672	\$1,184	\$21	\$364	\$1,569
RD&D 1-Way Bal Acct (Pre-2001)		Y	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	Y	\$396	\$348	\$2	\$44	\$394
Self Gen Memo Acct - SGPMA-CSI	Y	Y	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	Y	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	Y	\$2,265	\$1,985	\$10	\$254	\$2,250
Gain/Loss on Sale Memo Acct GLOSMA	Y	Y	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA		Y	\$319	\$90	\$5	\$48	\$144

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Subtotal Other Operating Costs and Revenues	\$517	\$242	\$7,093	\$7,335	\$7,852	\$21,890	\$491	\$21,399
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$5	\$2	\$10	\$12	\$17	\$581	\$13	\$568
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)	\$0	\$0	\$0	\$0	\$0	\$26,587	\$596	\$25,990
CFCA -NGV only	\$0	\$0	\$0	\$0	\$0	\$681	\$15	\$666
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$579	\$13	\$566
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$29	\$1	\$29
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$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)	\$24	\$11	\$366	\$377	\$401	\$849	\$19	\$830
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	\$19	\$9	\$273	\$282	\$301	\$520	\$12	\$509
Master Meter Balancing Account (MMBA)	\$9	\$3	\$18	\$21	\$29	\$1,010	\$23	\$987
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$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
NFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	\$17	\$8	\$249	\$257	\$275	\$275	\$6	\$268
NFCA -Nonmargin SCG	\$168	\$79	\$2,417	\$2,496	\$2,664	\$2,664	\$60	\$2,604
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	(\$5)	(\$1)	(\$9)	(\$11)	(\$15)	(\$531)	(\$12)	(\$519)
Pension BA	\$36	\$12	\$74	\$86	\$121	\$4,163	\$93	\$4,070
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$6	\$3	\$97	\$100	\$106	\$224	\$5	\$219
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$47	\$21	\$714	\$735	\$782	\$1,653	\$37	\$1,616
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$280	\$214	\$735	\$949	\$1,228	\$14,864	\$333	\$14,531
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$15	\$6	\$223	\$229	\$244	\$516	\$12	\$504
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	\$32	\$25	\$85	\$109	\$141	\$1,711	\$38	\$1,672
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$3	\$1	\$7	\$8	\$12	\$406	\$9	\$396
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	\$20	\$6	\$41	\$48	\$67	\$2,317	\$52	\$2,265
Gain/Loss on Sale Memo Acct GLO SMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$11	\$5	\$166	\$171	\$182	\$326	\$7	\$319

SDG&E Cost Allocation

Allocation %

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Subtotal Other Operating Costs and Revenues									
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
On-Bill Financing Balancing Account (OBFBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Baseline Balance BA	Reg. Acct Filing 10/2017	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
CFCA -Margin Only (non-NGV)	Reg. Acct Filing 10/2017	ECPT-Core (non NGV)	100.0%	63.7%	0.0%	36.3%	100.0%	0.0%	0.0%
CFCA -NGV only	Reg. Acct Filing 10/2017	NGV only	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	61.4%	3.6%	35.0%	100.0%	0.0%	0.0%
CFCA -Nonmargin SCG	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	61.4%	3.6%	35.0%	100.0%	0.0%	0.0%
Environmental Fee Balance Account EFBA	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	42.4%	2.5%	24.2%	69.1%	6.0%	2.3%
Disconnect Memorandum Account (DMA)	Reg. Acct Filing 10/2017	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	Reg. Acct Filing 10/2017	CYPM	100.0%	36.9%	1.2%	14.6%	52.7%	2.8%	1.3%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Green House Gas Balancing Account (GHGBA) - End User	Reg. Acct Filing 10/2017	ECPT GHG Fee Non-Exempt	100.0%	55.5%	3.2%	31.7%	90.4%	4.7%	3.5%
Green House Gas Balancing Account (GHGBA) - LUAF	Reg. Acct Filing 10/2017	Method #3 -76.7% core @ ECPT / 23.	100.0%	47.1%	2.7%	26.9%	76.7%	1.5%	0.7%
FERC Settlement Proceeds MA	Reg. Acct Filing 10/2017	CAT allocation	100.0%	5.5%	23.5%	70.9%	100.0%	0.0%	0.0%
Core Gas Storage Balancing Acct. GSBA-C	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	61.4%	3.6%	35.0%	100.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Master Meter Balancing Account (MMBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Natural Gas Supp Refund Track Acct	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	42.4%	2.5%	24.2%	69.1%	6.0%	2.3%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
NFCA -Margin Only	Reg. Acct Filing 10/2017	EPAM Noncore Only	100.0%	0.0%	0.0%	0.0%	0.0%	29.3%	9.5%
NFCA -Nonmargin Other	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	6.3%	3.0%
NFCA -Nonmargin SCG	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	6.3%	3.0%
NGVA	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Non-Core Gas Storage Balancing Acct GSBA-NC	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	6.3%	3.0%
PBOPBA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Pension BA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	36.9%	1.2%	14.6%	52.7%	2.8%	1.3%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	69.2%	1.2%	21.3%	91.7%	1.9%	1.4%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	36.9%	1.2%	14.6%	52.7%	2.8%	1.3%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	69.2%	1.2%	21.3%	91.7%	1.9%	1.4%
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	36.9%	1.2%	14.6%	52.7%	2.8%	1.3%
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	69.2%	1.2%	21.3%	91.7%	1.9%	1.4%
RD&D 1-Way Bal Acct (Pre-2001)	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Rewards & Penalties Bal Acct RPBA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Self Gen Memo Acct - SGPMA-CSI	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Self Gen Memo Acct - SGPMA-NonCSI	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
SGPMA - Rev Req for NEXT Year	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Gain/Loss on Sale Memo Acct GLOSMA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Integrated Transmission Margin ITBA	Reg. Acct Filing 10/2017	CYTP	100.0%	27.7%	1.4%	14.9%	44.0%	3.5%	1.7%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
Subtotal Other Operating Costs and Revenues			
Regulatory Accounts			
Adv Mtring Infrastructure Balancing Acct AMIBA	1.8%	0.0%	2.9%
On-Bill Financing Balancing Account (OBFBA)	1.8%	0.0%	2.9%
Baseline Balance BA	0.0%	0.0%	0.0%
CFCA -Margin Only (non-NGV)	0.0%	0.0%	0.0%
CFCA -NGV only	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	0.0%	0.0%	0.0%
CFCA -Nonmargin SCG	0.0%	0.0%	0.0%
Environmental Fee Balance Account EFBA	22.6%	25.0%	30.9%
Disconnect Memorandum Account (DMA)	0.0%	0.0%	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	1.8%	0.0%	2.9%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	43.2%	0.0%	47.3%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	52.5%	0.0%	57.8%
Green House Gas Balancing Account (GHGBA) - End User	1.4%	4.9%	9.6%
Green House Gas Balancing Account (GHGBA) - LUAF	21.1%	21.8%	23.3%
FERC Settlement Proceeds MA	0.0%	0.0%	0.0%
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	52.5%	0.0%	57.8%
Master Meter Balancing Account (MMBA)	1.8%	0.0%	2.9%
Natural Gas Supp Refund Track Acct	52.5%	0.0%	57.8%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	22.6%	25.0%	30.9%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	1.8%	0.0%	2.9%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	1.8%	0.0%	2.9%
NFCA -Margin Only	61.2%	70.7%	100.0%
NFCA -Nonmargin Other	90.7%	0.0%	100.0%
NFCA -Nonmargin SCG	90.7%	0.0%	100.0%
NGVA	52.5%	0.0%	57.8%
Non-Core Gas Storage Balancing Acct GSBA-NC	90.7%	0.0%	100.0%
PBOPBA	1.8%	0.0%	2.9%
Pension BA	1.8%	0.0%	2.9%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	43.2%	0.0%	47.3%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	4.9%	6.4%	8.3%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	43.2%	0.0%	47.3%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	4.9%	6.4%	8.3%
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	43.2%	0.0%	47.3%
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	4.9%	6.4%	8.3%
RD&D 1-Way Bal Acct (Pre-2001)	52.5%	0.0%	57.8%
Rewards & Penalties Bal Acct RPBA	1.8%	0.0%	2.9%
Self Gen Memo Acct - SGPMA-CSI	1.8%	0.0%	2.9%
Self Gen Memo Acct - SGPMA-NonCSI	1.8%	0.0%	2.9%
SGPMA - Rev Req for NEXT Year	1.8%	0.0%	2.9%
Gain/Loss on Sale Memo Acct GLOSMA	1.8%	0.0%	2.9%
Integrated Transmission Margin ITBA	50.8%	0.0%	56.0%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core
Integrated Transmission Nonmargin ITBA		Y	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Y	N	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees		N	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account		Y	\$1,601	\$855	\$38	\$605	\$1,498
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	Y	Y	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts			\$59,691	\$37,858	\$1,028	\$15,479	\$54,365
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr				\$292,977	\$2,603	\$50,744	\$346,324
AVERAGE YEAR THROUGHPUT, Mth/yr				319,982	18,501	182,660	521,144
Average Rate \$/th				\$0.91560	\$0.14069	\$0.27781	\$0.66455
FFU Rate				102.29%	102.29%	102.29%	102.29%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	\$140	\$0	\$0	\$0	\$140	\$1,638	\$37	\$1,601
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$828	\$403	\$5,465	\$5,868	\$6,696	\$61,061	\$1,370	\$59,691
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$3,788	\$1,438	\$17,651	\$19,089	\$22,877	\$369,201		
AVERAGE YEAR THROUGHPUT, Mth/yr	44,975	21,281	648,600	669,882	714,857	1,236,000		
Average Rate \$/th	\$0.08422	\$0.06757	\$0.02721	\$0.02850	\$0.03200	\$0.29871		
FFU Rate	102.29%	102.29%	102.29%	102.29%	102.29%	102.29%		

SDG&E Cost Allocation

Allocation %

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Integrated Transmission Nonmargin ITBA	Reg. Acct Filing 10/2017	CYTP	100.0%	27.7%	1.4%	14.9%	44.0%	3.5%	1.7%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
GRCRRMA Sub allocation for AB32 Admin Fees	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	42.4%	2.5%	24.2%	69.1%	6.0%	2.3%
CSI Thermal Program memoradum Account	Reg. Acct Filing 10/2017	ECPT ex CARE, EG, Cost. Exempt	100.0%	52.2%	2.3%	36.9%	91.4%	8.6%	0.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Z-Factor Memorandum Account	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%

Total Regulatory Accounts

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

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate MISC Inputs

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
Integrated Transmission Nonmargin ITBA	50.8%	0.0%	56.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	1.8%	0.0%	2.9%
GRCRRMA Sub allocation for AB32 Admin Fees	22.6%	25.0%	30.9%
CSI Thermal Program memoradum Account	0.0%	0.0%	8.6%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	1.8%	0.0%	2.9%
Z-Factor Memorandum Account	1.8%	0.0%	2.9%
Total Regulatory Accounts			

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

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$292,977	\$2,603	\$50,744	\$346,324
SW NGV Adjustment		\$262		\$262
SW EG Adjustment				\$0
TLS Adjustment				
Amount allocated to TLS Class \$000				\$0
TLS revenue paid by class @ average TLS rate \$000				\$0
	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$292,977	\$2,864	\$50,744	\$346,586
<i>Rate Tables difference</i>	<i>\$292,977</i>	<i>\$2,864</i>	<i>\$50,744</i>	<i>\$346,586</i>
	\$0	\$0	\$0	\$0
AYTP Mth/yr	319,982	18,501	182,660	521,144
Average Rate w/oBTS \$/th	\$0.91560	\$0.15482	\$0.27781	\$0.66505
<i>Rate Tables difference</i>	<i>\$0.91560</i>	<i>\$0.15482</i>	<i>\$0.27781</i>	<i>\$0.66505</i>
	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$9,177	\$479	\$4,914	\$14,570
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$302,154	\$3,344	\$55,659	\$361,156
Average Rate w/ BTS \$/th	\$0.94428	\$0.18073	\$0.30471	\$0.69301
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbdle w/FFU	78.8%	0.6%	11.4%	90.8%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	85.7%	0.4%	11.0%	97.1%
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	79.4%	0.7%	13.7%	93.8%
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	79.4%	0.8%	13.8%	94.0%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$3,788			\$19,089	\$22,877	\$369,201
SW NGV Adjustment					\$0	\$262
SW EG Adjustment				\$1,794	\$1,794	\$1,794
TLS Adjustment						
Amount allocated to TLS Class \$000	(\$541)			(\$14,127)	(\$14,667)	(\$14,667)
TLS revenue paid by class @ average TLS rate \$000	\$419			\$11,756	\$12,175	\$12,175
	(\$121)			(\$2,371)	(\$2,492)	(\$2,492)
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$3,667			\$18,513	\$22,179	\$368,765
<i>Rate Tables difference</i>	<i>\$3,667</i>			<i>\$18,513</i>	<i>\$22,179</i>	<i>\$368,765</i>
	\$0			\$0	\$0	\$0
AYTP Mth/yr	44,975			669,882	714,857	1,236,000
Average Rate w/oBTS \$/th	\$0.08152			\$0.02764	\$0.03103	\$0.29835
<i>Rate Tables difference</i>	<i>\$0.08152</i>			<i>\$0.02764</i>	<i>\$0.03103</i>	<i>\$0.29835</i>
	\$0.00000			\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$1,165	\$551	\$16,804	\$17,355	\$18,521	\$33,091
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$4,832			\$35,868	\$40,700	\$401,856
Average Rate w/ BTS \$/th	\$0.10743			\$0.05354	\$0.05693	\$0.32513
Effective Allocation %'s:						
Total Margin Allocation pre-SI, pre-BTS Unbdle w/FFU	1.2%	0.4%	7.6%	8.0%	9.2%	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	0.9%	0.3%	1.8%	2.1%	2.9%	100.0%
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	1.0%	0.4%	4.8%	5.2%	6.2%	100.0%
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	1.0%	0.0%	0.0%	5.0%	6.0%	100.0%

SDG&E Cost Allocation

Allocation %

July, 2018 Rates

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

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	EG>=3	Total	
	mmth/yr	Total EG	NonCore
Sempra Wide & TLS Adjustments::			
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr			
SW NGV Adjustment			
SW EG Adjustment			
TLS Adjustment			
Amount allocated to TLS Class \$000			
TLS revenue paid by class @ average TLS rate \$000			
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr			
<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/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr			
Average Rate w/ BTS \$/th			
Effective Allocation %'s:			
Total Margin Allocation pre-SI, pre-BTS Unbdle w/FFU			
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU			
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr			
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr			

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	(\$12,197)	(\$87)	\$743	(\$11,541)
Medium Pressure Distribution Costs	\$2,000	\$429	\$5,006	\$7,435
High Pressure Distribution Costs	\$6,265	\$157	\$2,804	\$9,226
Backbone Transmission Costs	(\$695)	\$182	\$310	(\$203)
Local Transmission Costs	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
NGV	\$0	\$153	\$0	\$153
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	(\$4,627)	\$833	\$8,864	\$5,070
Less Backbone Transmission Costs	\$695	(\$182)	(\$310)	\$203
Less Local Transmission Costs	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	(\$90)	\$24	\$201	\$135
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$4,022)	\$675	\$8,755	\$5,408

<u>Other Operating Costs and Revenues</u>	Non-ECPT?	Add FFU Y or N?	Amount to Allocate (w/o F&U)				
SCG Transport excl Core Storge & Load Balance \$000		Y	(\$3,800)	(\$896)	(\$26)	(\$444)	(\$1,367)
SCG Core Seasonal Storage		Y	\$4,898	\$3,549	\$19	\$1,443	\$5,011
SCG Load Balancing Allocated to ALL SDGE \$000		Y	\$4,899	\$1,500	\$134	\$981	\$2,615
n/a			\$0	\$0	\$0	\$0	\$0
LUAF		Y	(\$333)	(\$195)	\$4	(\$70)	(\$261)
Company Use Gas: Other		Y	(\$71)	(\$16)	(\$0)	(\$7)	(\$23)
AMI rev req incl FF&U AL 1693-G	Y	Y	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)		Y	\$0	\$18	\$6	\$24	\$48
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues			\$5,593	\$3,960	\$136	\$1,926	\$6,022

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	(\$720)	\$373	(\$66)	\$307	(\$413)	(\$11,954)
Medium Pressure Distribution Costs	\$66	\$401	(\$11)	\$389	\$455	\$7,890
High Pressure Distribution Costs	\$169	\$151	\$67	\$218	\$387	\$9,614
Backbone Transmission Costs	\$30	\$280	(\$5,809)	(\$5,529)	(\$5,499)	(\$5,702)
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$153
Total Margin Allocation pre-SI, pre-BTS Unbndle w/FFU	(\$456)	\$1,204	(\$5,819)	(\$4,614)	(\$5,070)	\$0
Less Backbone Transmission Costs	(\$30)	(\$280)	\$5,809	\$5,529	\$5,499	\$5,702
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	(\$1)	\$33	(\$1,433)	(\$1,400)	(\$1,401)	(\$1,266)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$487)	\$958	(\$1,443)	(\$485)	(\$972)	\$4,436

<u>Other Operating Costs and Revenues</u>							F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storge & Load Balance \$000	(\$114)	(\$22)	(\$2,385)	(\$2,407)	(\$2,521)	(\$3,888)	(\$87)	(\$3,800)
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$5,011	\$112	\$4,898
SCG Load Balancing Allocated to ALL SDGE \$000	\$234	\$169	\$1,994	\$2,163	\$2,397	\$5,012	\$112	\$4,899
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LUAF	\$3	\$7	(\$89)	(\$82)	(\$79)	(\$341)	(\$8)	(\$333)
Company Use Gas: Other	(\$2)	\$0	(\$48)	(\$48)	(\$50)	(\$73)	(\$2)	(\$71)
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	\$5	\$11	(\$64)	(\$53)	(\$48)	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$126	\$165	(\$592)	(\$427)	(\$301)	\$5,721	\$128	\$5,593

SDG&E Cost Allocation

2020 TCAP Application

TLS:

MARGINAL COST COMPONENTS \$000's	NCCI-D	EG-D1	EG-D2	NCCI-T	EG-T	Total SDG&E TLS
Embedded Costs:						
Customer Related Costs	(\$677)	\$392	(\$24)	(\$43)	(\$61)	(\$104)
Medium Pressure Distribution Costs	\$66	\$401	(\$11)	\$0	\$0	\$0
High Pressure Distribution Costs	\$169	\$151	\$67	\$0	\$0	\$0
Backbone Transmission Costs	\$31	\$176	(\$1,213)	(\$1)	(\$4,492)	(\$4,493)
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbndle w/FFU	(\$411)	\$1,119	(\$1,180)	(\$45)	(\$4,553)	(\$4,597)
Less Backbone Transmission Costs	(\$31)	(\$176)	\$1,213	\$1	\$4,492	\$4,493
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$1	\$32	(\$187)	(\$3)	(\$1,244)	(\$1,247)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$441)	\$975	(\$155)	(\$46)	(\$1,305)	(\$1,351)

Other Operating Costs and Revenues

SCG Transport excl Core Storge & Load Balance \$000	(\$69)	(\$29)	(\$345)	(\$45)	(\$2,033)	(\$2,078)
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
SCG Load Balancing Allocated to ALL SDGE \$000	\$147	\$154	\$164	\$86	\$1,845	\$1,931
n/a	\$0	\$0	\$0	\$0	\$0	\$0
LUAUF	\$2	\$4	(\$21)	\$1	(\$65)	(\$64)
Company Use Gas: Other	(\$1)	(\$0)	(\$7)	(\$1)	(\$40)	(\$41)
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	\$3	\$7	(\$21)	\$2	(\$39)	(\$37)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAUF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$83	\$136	(\$231)	\$43	(\$333)	(\$289)

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core
Regulatory Accounts							
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	Y	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$0	(\$16)	\$1	\$17	\$2
Baseline Balance BA		Y	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only		Y	\$0	(\$532)	\$0	\$532	\$0
CFCA -NGV only		Y	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin Other		Y	\$0	(\$15)	\$6	\$9	\$0
CFCA -Nonmargin SCG		Y	\$0	(\$1)	\$0	\$0	\$0
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)		Y	\$0	\$39	\$4	\$40	\$83
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	Y	Y	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA		Y	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C		Y	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA		Y	\$0	\$12	\$4	\$14	\$30
Master Meter Balancing Account (MMBA)	Y	Y	\$0	(\$27)	\$2	\$29	\$4
Natural Gas Supp Refund Track Acct		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other		Y	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG		Y	\$0	\$0	\$0	\$0	\$0
NGVA		Y	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC		Y	\$0	\$0	\$0	\$0	\$0
PBOPBA	Y	Y	\$0	\$14	(\$1)	(\$15)	(\$2)
Pension BA	Y	Y	\$0	(\$112)	\$9	\$118	\$16
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission		Y	\$0	\$10	\$1	\$11	\$22
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$0	\$76	\$8	\$78	\$161
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$0	(\$315)	\$31	\$614	\$330
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission		Y	\$0	\$24	\$2	\$24	\$50
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution		Y	\$0	(\$36)	\$4	\$71	\$38
RD&D 1-Way Bal Acct (Pre-2001)		Y	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	Y	\$0	(\$11)	\$1	\$12	\$2
Self Gen Memo Acct - SGPMA-CSI	Y	Y	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	Y	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	Y	\$0	(\$1,975)	(\$10)	\$21	(\$1,964)
Gain/Loss on Sale Memo Acct GLOSMA	Y	Y	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA		Y	\$0	\$7	\$2	\$9	\$19
Integrated Transmission Nonmargin ITBA		Y	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Y	Y	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees		Y	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memorandum Account		Y	\$0	(\$33)	\$37	(\$7)	(\$3)

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	(\$1)	\$2	(\$3)	(\$1)	(\$2)	\$0	\$0	\$0
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -NGV only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$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)	\$4	\$5	(\$91)	(\$86)	(\$83)	\$0	(\$0)	\$0
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	\$3	\$5	(\$38)	(\$33)	(\$30)	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	(\$2)	\$3	(\$5)	(\$2)	(\$4)	\$0	\$0	\$0
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$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
NFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	\$5	\$6	(\$11)	(\$5)	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG	\$49	\$58	(\$107)	(\$49)	\$0	\$0	\$0	\$0
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	\$1	(\$2)	\$3	\$1	\$2	\$0	(\$0)	\$0
Pension BA	(\$8)	\$14	(\$22)	(\$8)	(\$16)	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$1	\$1	(\$24)	(\$23)	(\$22)	\$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 Transmission	\$7	\$10	(\$178)	(\$168)	(\$161)	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	(\$10)	\$10	(\$331)	(\$320)	(\$330)	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$2	\$3	(\$56)	(\$52)	(\$50)	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	(\$1)	\$1	(\$38)	(\$37)	(\$38)	\$0	\$0	\$0
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	(\$1)	\$1	(\$2)	(\$1)	(\$2)	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	(\$20)	\$107	\$1,876	\$1,984	\$1,964	\$0	\$0	\$0
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$2	\$3	(\$23)	(\$20)	(\$19)	\$0	\$0	\$0
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memorandum Account	\$3	\$0	\$0	\$0	\$3	\$0	(\$0)	\$0

SDG&E Cost Allocation

2020 TCAP Application

TLS:

MARGINAL COST COMPONENTS \$000's	NCCI-D	EG-D1	EG-D2	NCCI-T	EG-T	Total SDG&E TLS
Regulatory Accounts		0	0	0	0	
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	(\$1)	\$2	(\$0)	(\$0)	(\$3)	(\$3)
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -NGV only	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	\$2	\$5	(\$13)	\$1	(\$78)	(\$77)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	\$2	\$3	(\$12)	\$1	(\$25)	(\$24)
Master Meter Balancing Account (MMBA)	(\$2)	\$3	(\$1)	(\$0)	(\$5)	(\$5)
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	\$3	\$4	(\$8)	\$2	(\$1)	\$1
NFCA -Nonmargin SCG	\$32	\$42	(\$81)	\$17	(\$10)	\$7
NGVA	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	\$1	(\$2)	\$0	\$0	\$2	\$3
Pension BA	(\$7)	\$14	(\$3)	(\$1)	(\$20)	(\$20)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$1	\$1	(\$4)	\$0	(\$21)	(\$20)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$5	\$9	(\$26)	\$2	(\$152)	(\$149)
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	(\$10)	\$10	(\$331)	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$1	\$3	(\$8)	\$1	(\$47)	(\$47)
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	(\$1)	\$1	(\$38)	\$0	\$0	\$0
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	(\$1)	\$1	(\$0)	(\$0)	(\$2)	(\$2)
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	(\$18)	\$88	\$158	(\$1)	\$1,737	\$1,736
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$1	\$2	(\$7)	\$1	(\$16)	(\$15)
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memorandum Account	\$4	\$0	\$0	(\$1)	\$0	(\$1)

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	Y	Y	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts			\$0	(\$2,891)	\$102	\$1,577	(\$1,212)
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr				(\$2,952)	\$913	\$12,258	\$10,218
AVERAGE YEAR THROUGHPUT, Mth/yr				(6,748)	5,627	12,117	10,997
Average Rate \$/th				\$0.01030	\$0.00501	\$0.04565	\$0.00547
FFU Rate				0.00%	0.00%	0.00%	0.00%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$34	\$229	\$949	\$1,178	\$1,212	\$0	\$0	\$0
						\$0		
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(\$327)	\$1,351	(\$1,085)	\$266	(\$61)	\$10,157		
AVERAGE YEAR THROUGHPUT, Mth/yr	1,970	8,455	(148,106)	(139,651)	(137,682)	(126,685)		
Average Rate \$/th	(\$0.01050)	\$0.02623	\$0.00589	\$0.00801	\$0.00753	\$0.04327		
FFU Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		

SDG&E Cost Allocation

2020 TCAP Application

TLS:

MARGINAL COST COMPONENTS \$000's	NCCI-D	EG-D1	EG-D2	NCCI-T	EG-T	Total SDG&E TLS
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$13	\$189	(\$373)	\$22	\$1,362	\$1,383
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(\$346)	\$1,300	(\$758)	\$19	(\$276)	(\$257)
AVERAGE YEAR THROUGHPUT, Mth/yr	1,569	5,451	(32,391)	401	(112,712)	(112,311)
Average Rate \$/th	(\$0.01802)	\$0.03707	\$0.01731	\$0.00035	\$0.00541	\$0.00577
FFU Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(2,952)	913	12,258	10,218
SW NGV Adjustment	0	32	0	32
SW EG Adjustment	\$0	\$0	\$0	\$0
TLS Adjustment				
Amount allocated to TLS Class \$000	\$0	\$0	\$0	\$0
TLS revenue paid by class @ average TLS rate \$000	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr	(\$2,952)	\$945	\$12,258	\$10,250
<i>Rate Tables</i>	<i>(\$2,952)</i>	<i>\$945</i>	<i>\$12,258</i>	<i>\$10,250</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	(6,748)	5,627	12,117	10,997
Average Rate w/oBTS \$/th	\$0.01030	\$0.00304	\$0.04565	\$0.00552
<i>Rate Tables</i>	<i>\$0.01030</i>	<i>\$0.00304</i>	<i>\$0.04565</i>	<i>\$0.00552</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
BTS w/FFU Charge \$000	(\$37)	\$163	\$495	\$621
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr	(\$2,989)	\$1,107	\$12,753	\$10,871
Average Rate w/ BTS \$/th	\$0.01080	\$0.00374	\$0.04652	\$0.00611

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(327)	0	0	266	(61)	10,157
SW NGV Adjustment	0	0	0	0	0	32
SW EG Adjustment	\$0	\$0	\$0	(\$800)	(\$800)	(\$800)
TLS Adjustment						
Amount allocated to TLS Class \$000	(\$19)	\$0	\$0	\$276	\$257	\$257
TLS revenue paid by class @ average TLS rate \$000	\$150	\$0	\$0	\$1,367	\$1,516	\$1,516
	\$131	\$0	\$0	\$1,642	\$1,773	\$1,773
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	(\$196)	\$0	\$0	\$1,109	\$912	\$11,163
<i>Rate Tables</i>	<i>(\$196)</i>	<i>\$0</i>	<i>\$0</i>	<i>\$1,109</i>	<i>\$912</i>	<i>\$11,163</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	1,970	0	0	(139,651)	(137,682)	(126,685)
Average Rate w/oBTS \$/th	(\$0.00760)	\$0.00000	\$0.00000	\$0.00937	\$0.00898	\$0.04413
<i>Rate Tables</i>	<i>(\$0.00760)</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00937</i>	<i>\$0.00898</i>	<i>\$0.04413</i>
<i>difference</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>
BTS w/FFU Charge \$000	\$84	\$240	(\$3,483)	(\$3,243)	(\$3,159)	(\$2,538)
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	(\$112)	\$0	\$0	(\$2,135)	(\$2,247)	\$8,624
Average Rate w/ BTS \$/th	(\$0.00690)	\$0.00000	\$0.00000	\$0.01008	\$0.00969	\$0.04490

SDG&E Cost Allocation

2020 TCAP Application

TLS:

MARGINAL COST COMPONENTS \$000's	NCCI-D	EG-D1	EG-D2	NCCI-T	EG-T	Total SDG&E TLS
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(\$346)	\$1,300	(\$758)	\$19	(\$276)	(\$257)
SW NGV Adjustment	\$0	\$0	\$0	\$0	\$0	\$0
SW EG Adjustment	\$0	(\$530)	(\$270)	\$0	(\$800)	(\$800)
TLS Adjustment						
Amount allocated to TLS Class \$000	\$0	\$0	\$0	(\$19)	\$276	\$257
TLS revenue paid by class @ average TLS rate \$000	\$0	\$0	\$0	\$150	\$1,367	\$1,516
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	(\$346)	\$770	(\$1,028)	\$150	\$1,367	\$1,516
<i>Rate Tables</i>	\$0	\$770	(\$1,028)	\$150	\$1,367	\$1,516
<i>difference</i>	\$0	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr	1,569	0	0	401	0	401
Average Rate w/oBTS \$/th	(\$0.01802)	\$0.00000	\$0.00000	\$0.00796	\$0.00000	\$0.00796
<i>Rate Tables</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	(\$3,243)	\$159	(\$808)	\$23	(\$2,594)	(\$2,571)
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	(\$285)	\$1,459	(\$1,566)	\$42	(\$2,870)	(\$2,828)
Average Rate w/ BTS \$/th	(\$0.01731)	\$0.03777	\$0.01802	\$0.00106	\$0.00612	\$0.00718

**SDGE - Transfer Data and Other Requirements to RUN Rate Design model
2020 TCAP Application**

Data From SCG RD Model			Model / Source	
Allocated Local T under SI w/FFU \$000	Res	\$3,418	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	NGV	\$133	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Core C&I	\$1,589	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Total Core	\$5,141	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	NCCI	\$269	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	EG Tier 1	\$153	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	EG Tier 2	\$2,668	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Total EG	\$2,821	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Total NonCore	\$3,090	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	System Total	\$8,230	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Res	\$7,695	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	NGV	\$541	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Core C&I	\$4,554	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Total Core	\$12,789	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	NCCI	\$1,052	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	EG Tier 1	\$666	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	EG Tier 2	\$11,214	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Total EG	\$11,881	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Total NonCore	\$12,933	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	System Total	\$25,722	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
TLS Revenue NCCI-T EFBA Exempt \$000		\$498	SCG RD Model/RUN	copy to Rate Tables
TLS Revenue EG-Tier T EFBA Exempt \$000		\$144	SCG RD Model/RUN	copy to Rate Tables
TLS Revenue EG-Tier 2-T EFBA Exempt \$000		\$12,946	SCG RD Model/RUN	copy to Rate Tables
TLS Class Average Rate NCCI T		\$0.02837	SCG RD Model/RUN	copy to Rate Tables
TLS Class Average Rate EG T		\$0.02837	SCG RD Model/RUN	copy to Rate Tables
Pre-SW TLS NCCI		\$489	SCG RD Model/RUN	copy to Rate Tables
Post SW TLS NCCI		\$498	SCG RD Model/RUN	copy to Rate Tables
Pre-SW TLS EG		\$13,818	SCG RD Model/RUN	copy to Rate Tables
Post SW TLS EG		\$13,090	SCG RD Model/RUN	copy to Rate Tables
EFBA adder			SCG RD Model/RUN	copy to Rate Tables
TLS Revenue NCCI-T \$000		\$498	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Revenue EG-Tier 1-T \$000		\$144	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Revenue EG-Tier 2-T \$000		\$12,946	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes NCCI-T Mth/yr		\$17,569	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes EG-Tier1-T Mth/yr		\$5,074	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes EG-Tier2-T Mth/yr		\$456,289	SCG RD Model/Local T Rate	copy to Rate Tables

TLS SFV Mcapacity Reserved Mdth/day	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
TLS SFV Volumes Mth/year	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
TLS ST VOL Volumes Mth/year	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
TLS LT VOL Volumes Mth/year	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
Est FAR Revenue from SDGE Res	\$9,140	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE NGV	\$642	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE CCI	\$5,409	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE NCCI	\$1,249	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 1	\$791	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 2	\$13,321	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE Customers	\$30,553	SCG RD Model/Local & BBT Costs	Copy to Rate Tables
SCG Transport Only Costs Allocated to SDGE Core & Dist \$000	\$4,586	SCG RD model/SDGE Detail Alloc	Copy to Cost Alloc
SCG Core Seasonal Storage	\$11,522	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Load Balancing Allocated to ALL SDGE \$000	\$8,447	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Core Seasonal Storage HRSMA	\$0	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Load Balancing Allocated to ALL SDGE \$000 HRSMA	\$0	SCG RD Model/RUN	copy to COST ALLOC tab
SFV Base Margin Items = Reservation Charge \$/dth/day	\$0.00968	SCG RD Model / Trans Rates	Copy to Rate Tables
ST Volumetric Base Margin Items \$/th	\$0.01437	SCG RD Model / Trans Rates	Copy to Rate Tables
TLS LT VOL Rate \$/th	\$0.01437	SCG RD Model/TLS Rate	Copy to Rate Tables
TLS CA Usage Fee (non base margin items) \$/th	\$0.01414	SCG RD Model / Trans Rates	Copy to Rate Tables
TLS RS Usage Fee \$/th	\$0.01414	SCG RD Model / Trans Rates	Copy to Rate Tables
120% Class Average Volumetric Rate \$/th	\$0.03279		
200% Class Average Volumetric Rate \$/th	\$0.03849		
EG Tier 1-D SW Volumetric Rate w/FFU \$/th Post SW	\$0.12880	SCG RD model/EG-D Rates	Copy to EG-D rates tab
EG Tier 2-D SW Volumetric Rate w/FFU \$/th Post SW	\$0.07293	SCG RD model/EG-D Rates	Copy to EG-D rates tab
EG Tier 1 NoTLS SW Volumetric Rate w/FFU \$/th Post SW	n/a	SCG RD model/EG Rates NoTLS	Copy to EG-D rates tab
EG Tier 2 NoTLS SW Volumetric Rate w/FFU \$/th Post SW	n/a	SCG RD model/EG Rates NoTLS	Copy to EG-D rates tab
SW Volumetric Rate w/FFU \$/th UnCompressed	\$0.12583	SCG RD model/NGV Rates	
SW Volumetric Rate w/FFU \$/th Compressed	\$1.04809	SCG RD model/NGV Rates	
SDGE ITBA Balance Post SI	\$0	SCG RD model/Misc Inputs	
Unbundled FAR amount w/FFU	\$25,722	SCG RD model/Misc Inputs	
BBT %	0%	SCG RD model/Misc Inputs	
Local %	0%	SCG RD model/Misc Inputs	
Proposed BTS Rate SFV \$/dth/day	\$0.26245	SCG Rate Tables	
Current BTS Rate SFV \$/dth/day	\$0.26353		

Data TO SCG RD Model		Model / Source
SDGE AYTP mth/yr Res	313,234	Alloc Factors
SDGE AYTP mth/yr Core C&I	194,777	Alloc Factors
SDGE AYTP mth/yr NR A/C	0	
SDGE AYTP mth/yr Gas Eng	0	
SDGE AYTP mth/yr NGV	24,129	Alloc Factors
SDGE AYTP mth/yr Total Core	532,140	Alloc Factors
SDGE AYTP mth/yr Non Core C&I	46,945	Alloc Factors
SDGE AYTP mth/yr EG Tier 1	29,736	Alloc Factors
SDGE AYTP mth/yr EG Tier 2	500,494	Alloc Factors
SDGE AYTP mth/yr EOR	0	
SDGE AYTP mth/yr Total Retail Non Core	577,175	Alloc Factors
SDGE AYTP mth/yr Long Beach	0	
SDGE AYTP mth/yr SDG&E	0	
SDGE AYTP mth/yr Sout West Gas	0	
SDGE AYTP mth/yr Vernon	0	
SDGE AYTP mth/yr Total Whole sale	0	
SDGE AYTP mth/yr DGN	0	
SDGE AYTP mth/yr TBS	0	
SDGE AYTP mth/yr Total Non Core	577,175	Alloc Factors
SDGE AYTP mth/yr Total System \$000	1,109,315	Alloc Factors
SDGE CYTP mth/yr Res	343,408	Alloc Factors
SDGE CYTP mth/yr Core C&I	203,236	Alloc Factors
SDGE CYTP mth/yr NR A/C	0	
SDGE CYTP mth/yr Gas Eng	0	
SDGE CYTP mth/yr NGV	24,129	Alloc Factors
SDGE CYTP mth/yr Total Core	570,773	Alloc Factors
SDGE CYTP mth/yr Non Core C&I	46,945	Alloc Factors
SDGE CYTP mth/yr EG Tier 1	29,736	Alloc Factors
SDGE CYTP mth/yr EG Tier 2	500,494	Alloc Factors
SDGE CYTP mth/yr EOR	0	
SDGE CYTP mth/yr Total Retail Non Core	577,175	Alloc Factors
SDGE CYTP mth/yr Long Beach	0	
SDGE CYTP mth/yr SDG&E	0	
SDGE CYTP mth/yr Sout West Gas	0	
SDGE CYTP mth/yr Vernon	0	
SDGE CYTP mth/yr Total Whole sale	0	
SDGE CYTP mth/yr DGN	0	
SDGE CYTP mth/yr TBS	0	
SDGE CYTP mth/yr Total Non Core	577,175	Alloc Factors
SDGE CYTP mth/yr Total System \$000	1,147,948	Alloc Factors
SDGE's Core AYTP Mth/yr	532,140	Alloc Factors
NCCI-Distribution AYTP mth/yr	29,376	Alloc Factors
EG-Tier 1 Distribution AYTP mth/yr	24,662	Alloc Factors
EG-Tier 2 Distribution AYTP mth/yr	44,206	Alloc Factors
SDGE's Core # customers	905,032	Alloc Factors

NCCI-Distribution # customers	44	Alloc Factors
EG-Tier 1 Distribution # customers	69	Alloc Factors
EG-Tier 2 Distribution # customers	6	Alloc Factors
NCCI-Transmission AYTP mth/yr	17,569	Alloc Factors
EG-Tier 1 Transmission AYTP mth/yr	5,074	Alloc Factors
EG-Tier 2 Transmission AYTP mth/yr	456,289	Alloc Factors
NCCI-Transmission # customers	9	Alloc Factors
EG-Tier 1 Transmission # customers	3	Alloc Factors
EG-Tier 2 Transmission # customers	12	Alloc Factors
Transmission Costs w/FFU \$000	\$40,564	SDGE RD Model/Cost Alloc
Compressor Volumes mth/yr	628	SDGE RD Model / NGV Rates
SDGE - NCCI-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	\$118	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Local Transmission Costs	\$101	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	\$241	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Regulatory Accounts	\$200	SDGE RD Model / Detail Alloc
SDGE - NCCI-T ITBA Base Margin	\$5	SDGE RD Model / Detail Alloc
SDGE - EG-T ITBA Base Margin	\$131	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Transport Rev Req w/o BBT, w/ FFU & EOR Cr \$000/yr	\$559	SDGE RD Model / Detail Alloc
SDGE - EG-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	\$2,454	SDGE RD Model / Detail Alloc
SDGE - EG-T Local Transmission Costs	\$2,429	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	\$5,929	SDGE RD Model / Detail Alloc
SDGE - EG-T Regulatory Accounts	\$5,468	SDGE RD Model / Detail Alloc
SDGE CYPM mth/mo Res	50,188	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Core C&I	23,331	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo NR A/C	0	
SDGE CYPM mth/mo Gas Eng	0	
SDGE CYPM mth/mo NGV	1,960	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total Core	75,479	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Non Core C&I	3,947	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 1	2,244	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 2	39,175	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EOR	0	
SDGE CYPM mth/mo Total Retail Non Core	45,366	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Long Beach	0	
SDGE CYPM mth/mo SDG&E	0	
SDGE CYPM mth/mo Sout West Gas	0	
SDGE CYPM mth/mo Vernon	0	
SDGE CYPM mth/mo Total Whole sale	0	
SDGE CYPM mth/mo DGN	0	
SDGE CYPM mth/mo TBS	0	
SDGE CYPM mth/mo Total Non Core	45,366	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total System \$000	120,845	SDGE RD Model / Alloc Factors

SDGE NonCore Embedded Customer Related Costs \$000	\$255	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Medium Pressure Distribution Costs \$000	\$2,904	SDGE RD Model/Cost Alloc
SDGE Non Core Embedded High Pressure Distribution Costs \$000	\$0	
SDGE NonCore Embedded Transmission Costs \$000	\$20,395	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Storage - Seasonal \$000	\$0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Storage - Load Balancing \$000	\$0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Storage - TBS \$000	\$0	
SDGE NonCore Embedded Non-DSM Marketing Related Costs \$000	\$0	
SDGE NonCore Embedded Credit (EOR Revenues - EOR UAF) * 95% \$000	\$0	
SDGE NonCore Embedded Less Allocated Transmission Cost \$000	\$0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Plus Allocated Local T under SI \$000	\$8,230	SDGE RD Model/Cost Alloc
Total Margin Allocation w/o SI, FAR, Fuel Use, FF&U	\$323,020	SDGE RD Model/Cost Alloc
Other Op	\$2,493	SDGE RD Model/Cost Alloc
SCG Storage Charges	\$20,428	SDGE RD Model/Cost Alloc
Reg Accounts	\$61,061	SDGE RD Model/Cost Alloc
Less EC Transmission	(\$40,564)	SDGE RD Model/Cost Alloc
Plus Local-T	\$0	SDGE RD Model/Cost Alloc
plus FAR revenue	\$30,553	SDGE RD Model/Cost Alloc
less local-T noncore trans cust costs	(\$14,410)	SDGE RD Model/Revenue Check
plus Reg Gap Revenue	\$13,692	SDGE RD Model/Revenue Check
plus new SCG Transport (i.e.RegGap SDGE C&D)	\$4,691	SDGE RD Model/Cost Alloc
SW Adjustments	\$1,288	SDGE RD Model/Revenue Check
EG Tier 1-D Pre-SW Total revenue \$000/yr	\$2,640	SDGE RD Model/EG-D Rates
EG Tier 1-D AYTP Mth/yr	24,662	SDGE RD Model/EG-D Rates
EG Tier 1-D Customer Charge Revenue \$000	\$41	SDGE RD Model/EG-D Rates
EG Tier 2-D Pre-SW Total revenue \$000/yr	\$2,808	SDGE RD Model/EG-D Rates
EG Tier 2-D AYTP Mth/yr	44,206	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	29,736	SDGE RD Model/Alloc Factors
EG Tier 2 NoTLS AYTP Mth/yr	500,494	SDGE RD Model/Alloc Factors
Final Rev Req \$000	\$379,928	SDGE RD Model/Rate Tables
Pre-SW NGV Transportation Volumetric Revenue	\$2,754	SDGE RD Model / NGV Rates
Pre-SW NGV Customer Charge Revenue	\$12	SDGE RD Model / NGV Rates
NGV Transportation volumes mth/yr	24,129	SDGE RD Model / NGV Rates
NGV Post SW Customer Charge Revenue:	\$12	SDGE RD Model / NGV Rates
Pre SW NGV Compressor Revenue \$000	\$647	SDGE RD Model / NGV Rates
NGV Compressor Volumes Mth/yr	628	SDGE RD Model / NGV Rates
SDGE NCCI-T Direct Peak Day Demand Mth/day	48	SDGE RD Model / Alloc Factors
SDGE EG-T Direct Peak Day Demand Mth/day	1,690	SDGE RD Model / Alloc Factors
SDGE Core Cumulative Transmission Peak Day Mth/day	4,123	SDGE RD/Alloc Factors
SDGE Noncore Cumulative HP Distribution Peak Day Mth/day	265	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast AYTP Mth/yr	630,384	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYTP Mth/yr	669,016	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast # Customers	905,151	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYPM Mth/mo	83,698	SDGE RD/Alloc Factors

SDGE NCCI-T Forecast AYTP Mth/yr	17,569	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYTP Mth/yr	17,569	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast # Customers	9	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYPM Mth/mo	1,477	SDGE RD/Alloc Factors
SDGE EG-T Forecast AYTP Mth/yr	461,363	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYTP Mth/yr	461,363	SDGE RD/Alloc Factors
SDGE EG-T Forecast # Customers	15	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYPM Mth/mo	35,670	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	\$12,135	SDGE RD Model/Cost Alloc
SDGE BBT Costs CCI	\$7,182	SDGE RD Model/Cost Alloc
SDGE BBT Costs NGV	\$853	SDGE RD Model/Cost Alloc
SDGE BBT Costs NCCI	\$1,659	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier 1	\$1,051	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier2	\$17,686	SDGE RD Model/Cost Alloc
SDGE CoUse Transmission Costs	\$0	SDGE RD Model/Misc Inputs
SDGE Forecast AYTP Mth/yr Core	532,140	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr NCCI-D	29,376	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr EG-D	68,867	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr Core	570,773	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr NCCI-D	29,376	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr EG-D	68,867	SDGE RD/Alloc Factors
SDGE Forecast # Customers Core	905,032	SDGE RD/Alloc Factors
SDGE Forecast # Customers NCCI-D	44	SDGE RD/Alloc Factors
SDGE Forecast # Customers EG-D	75	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr Core	75,479	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr NCCI-D	2,470	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr EG-D	5,749	SDGE RD/Alloc Factors
SDGE FFU Rate	102.29%	SDGE RD/Cost Alloc
FFU Rate Gross-to-Net Ratio	97.76%	SDGE RD/Misc Inputs
SDGE Mbtu/mcf	1,040	SDGE RD/Misc Inputs
Authorized Base Margin in 2008GRC (excl misc revenue) \$000	\$304,021	SDGE RD/Revenue Check
Current Authorized Base Margin	\$323,020	SDGE RD/Revenue Check
Net System Integration	(\$32,334)	SDGE RD/Revenue Check
Other Operate Costs	\$27,612	SDGE RD/Revenue Check
Regulatory Accounts	\$61,061	SDGE RD/Revenue Check
SW NGV Adjustment	\$294	SDGE RD/Revenue Check
SW EG Adjustment	\$994	SDGE RD/Revenue Check
SW NGV & EG Adjustment	\$1,288	SDGE RD/Revenue Check
NET TLS Adjustment	(\$719)	SDGE RD/Revenue Check
Revenue Requirement w/oFAR	\$379,928	SDGE RD/Revenue Check
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$290,686	SDGE RD/Revenue Check
CSITMA allocated to SDGE's NCCI-T customers \$000	\$56	NCCI Detail Alloc
CSITMA allocated to SDGE's EG-T customers \$000	\$0	EG Detail Alloc

EFBA EG-D Tier 1	\$20	EG Detail Alloc
EFBA EG-D Tier 2	\$37	EG Detail Alloc
EFBA EG-T	\$33	EG Detail Alloc
EFBA NCCI-T	\$15	NCCI Detail Alloc
EFBA EG-T nonexempt volumes	\$39,584	EG Detail Alloc
EFBA NCCI-T nonexempt volumes	17,569	NCCI Detail Alloc

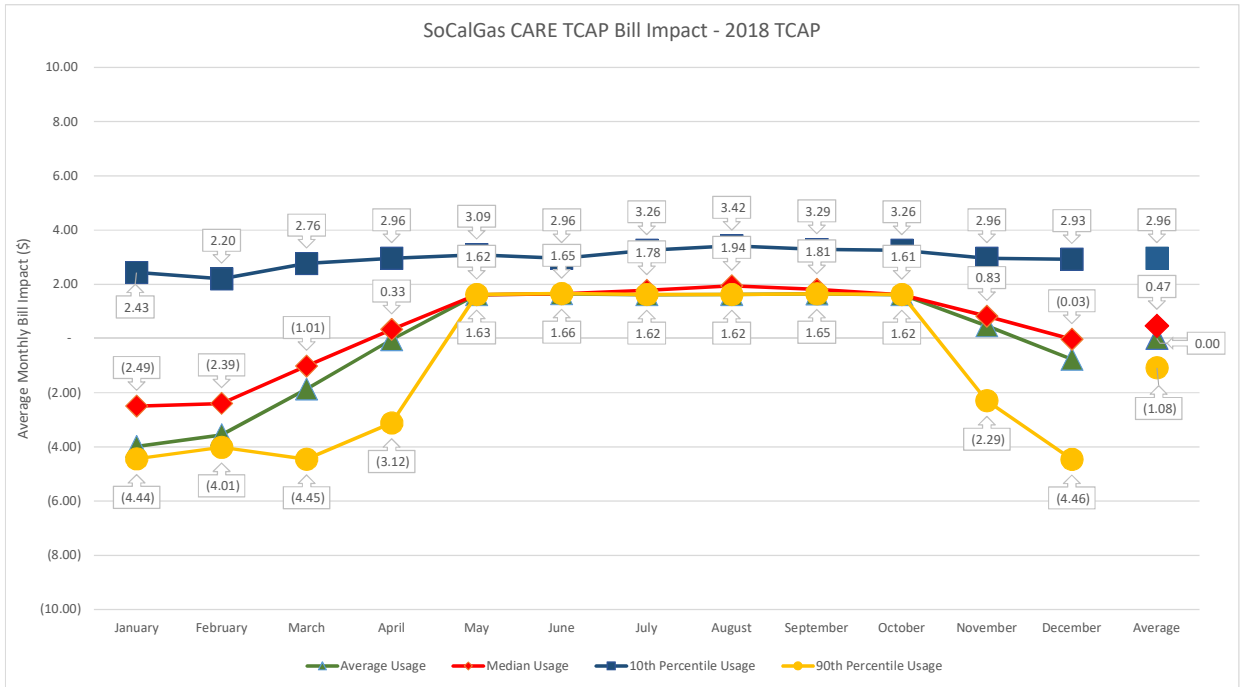
**SOUTHERN CALIFORNIA GAS COMPANY
2020 TCAP**

CARE Bill Impact Calculations

**Workpapers to the Prepared Written Testimony of
Sharim Chaudhury**

TCAP CARE Bill Impact Graph Data

	Usage				Average			
	Average Usage	Median Usage	10th Percentile Usage	90th Percentile Usage	Average Usage	Median Usage	10th Percentile Usage	90th Percentile Usage
January	(3.98)	(2.49)	2.43	(4.44)				
February	(3.56)	(2.39)	2.20	(4.01)				
March	(1.86)	(1.01)	2.76	(4.45)				
April	(0.04)	0.33	2.96	(3.12)				
May	1.62	1.62	3.09	1.63				
June	1.65	1.65	2.96	1.66				
July	1.61	1.78	3.26	1.62				
August	1.62	1.94	3.42	1.62				
September	1.65	1.81	3.29	1.65				
October	1.61	1.61	3.26	1.62				
November	0.47	0.83	2.96	(2.29)				
December	(0.76)	(0.03)	2.93	(4.46)				
Average					0.00	0.47	2.96	(1.08)
Average	0.00	0.47	2.96	(1.08)				



CARE Bill Impacts Lowest 10 Percentile

CARE	revmo	Customers	Average	Avg Baseli	High (90th			Low (10th		Total Bill	Total Bill		Care (T/F)	Daily BL	Days/Mo	Monthly	Care	Monthly	Baseline
					Avg Non B.	Percentile	Median	Percentile)	Status Quo		\$10 Cust	Delta							
			Therms	Therms	Therms	Therms	Therms	Therms	Therms										
Yes	1	1,541,827	49.0817	36.9564	12.1253	98	40	10	11.12	13.56	2.43	TRUE	1.691	31	52	20%	10	10	
Yes	2	1,541,849	44.0777	34.2007	9.877	87	37	9	10.02	12.23	2.20	TRUE	1.691	28	47	20%	9	9	
Yes	3	1,539,825	36.1491	31.5584	4.5907	69	31	8	9.71	12.48	2.76	TRUE	1.691	31	52	20%	8	8	
Yes	4	1,538,534	24.2709	23.3047	0.9662	43	22	6	8.17	11.13	2.96	TRUE	1.691	30	51	20%	6	6	
Yes	5	1,534,925	21.1285	18.7453	2.3832	37	19	6	8.30	11.39	3.09	TRUE	0.473	31	15	20%	6	6	
Yes	6	1,530,644	20.1167	12.0423	8.0744	36	18	6	8.17	11.13	2.96	TRUE	0.473	30	14	20%	6	6	
Yes	7	1,526,761	16.5092	11.1769	5.3323	30	14	5	7.60	10.85	3.26	TRUE	0.473	31	15	20%	5	5	
Yes	8	1,523,328	14.9436	10.7008	4.2428	27	13	4	6.89	10.31	3.42	TRUE	0.473	31	15	20%	4	4	
Yes	9	1,520,042	15.5083	10.9313	4.577	28	13	4	6.76	10.05	3.29	TRUE	0.473	30	14	20%	4	4	
Yes	10	1,517,068	16.9518	11.2745	5.6773	30	15	5	7.60	10.85	3.26	TRUE	0.473	31	15	20%	5	5	
Yes	11	1,517,877	21.1898	18.1991	2.9907	38	19	6	8.17	11.13	2.96	TRUE	1.691	30	51	20%	6	6	
Yes	12	1,515,622	29.4789	26.8156	2.6634	56	25	7	9.01	11.93	2.93	TRUE	1.691	31	52	20%	7	7	

Non BL

Usage	Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
0	11.12	4.07671	4.11458	-	2.21518	-	0.01660	0.69772	13.56	8.15342	2.47261	-	2.21518	-	0.01660	0.69772
0	10.02	3.68219	3.70312	-	1.99366	-	0.01494	0.62795	12.23	7.36438	2.22535	-	1.99366	-	0.01494	0.62795
0	9.71	4.07671	3.29166	-	1.77214	-	0.01328	0.55818	12.48	8.15342	1.97809	-	1.77214	-	0.01328	0.55818
0	8.17	3.94521	2.46875	-	1.32911	-	0.00996	0.41863	11.13	7.89041	1.48356	-	1.32911	-	0.00996	0.41863
0	8.30	4.07671	2.46875	-	1.32911	-	0.00996	0.41863	11.39	8.15342	1.48356	-	1.32911	-	0.00996	0.41863
0	8.17	3.94521	2.46875	-	1.32911	-	0.00996	0.41863	11.13	7.89041	1.48356	-	1.32911	-	0.00996	0.41863
0	7.60	4.07671	2.05729	-	1.10759	-	0.00830	0.34886	10.85	8.15342	1.23630	-	1.10759	-	0.00830	0.34886
0	6.89	4.07671	1.64583	-	0.88607	-	0.00664	0.27909	10.31	8.15342	0.98904	-	0.88607	-	0.00664	0.27909
0	6.76	3.94521	1.64583	-	0.88607	-	0.00664	0.27909	10.05	7.89041	0.98904	-	0.88607	-	0.00664	0.27909
0	7.60	4.07671	2.05729	-	1.10759	-	0.00830	0.34886	10.85	8.15342	1.23630	-	1.10759	-	0.00830	0.34886
0	8.17	3.94521	2.46875	-	1.32911	-	0.00996	0.41863	11.13	7.89041	1.48356	-	1.32911	-	0.00996	0.41863
0	9.01	4.07671	2.88021	-	1.55063	-	0.01162	0.48840	11.93	8.15342	1.73082	-	1.55063	-	0.01162	0.48840

CARE Bill Impacts Median

CARE	revmo	Customers	Average Therms	Avg Baselir Therms	Avg Non B. Therms	High (90th	Median Therms	Low (10th	Total Bill Status Quo	Total Bill \$10 Cust		Care (T/F)	Daily BL Limit	Days/Mo nth	Monthly BL Limit	Care Discount	Monthly Therms	Baseline Usage	Non BL Usage
						Percentile Therms		Percentile Therms		Delta									
Yes	1	1,541,827	49.0817	36.9564	12.1253	98	40	10	32.25	29.76	(2.49)	TRUE	1.691	31	52	20%	40	40	0
Yes	2	1,541,849	44.0777	34.2007	9.877	87	37	9	29.75	27.35	(2.39)	TRUE	1.691	28	47	20%	37	37	0
Yes	3	1,539,825	36.1491	31.5584	4.5907	69	31	8	25.91	24.90	(1.01)	TRUE	1.691	31	52	20%	31	31	0
Yes	4	1,538,534	24.2709	23.3047	0.9662	43	22	6	19.44	19.78	0.33	TRUE	1.691	30	51	20%	22	22	0
Yes	5	1,534,925	21.1285	18.7453	2.3832	37	19	6	18.54	20.16	1.62	TRUE	0.473	31	15	20%	19	15	4
Yes	6	1,530,644	20.1167	12.0423	8.0744	36	18	6	17.71	19.36	1.65	TRUE	0.473	30	14	20%	18	14	4
Yes	7	1,526,761	16.5092	11.1769	5.3323	30	14	5	13.94	15.72	1.78	TRUE	0.473	31	15	20%	14	14	0
Yes	8	1,523,328	14.9436	10.7008	4.2428	27	13	4	13.23	15.18	1.94	TRUE	0.473	31	15	20%	13	13	0
Yes	9	1,520,042	15.5083	10.9313	4.577	28	13	4	13.10	14.91	1.81	TRUE	0.473	30	14	20%	13	13	0
Yes	10	1,517,068	16.9518	11.2745	5.6773	30	15	5	14.64	16.26	1.61	TRUE	0.473	31	15	20%	15	15	0
Yes	11	1,517,877	21.1898	18.1991	2.9907	38	19	6	17.33	18.15	0.83	TRUE	1.691	30	51	20%	19	19	0
Yes	12	1,515,622	29.4789	26.8156	2.6634	56	25	7	21.69	21.66	(0.03)	TRUE	1.691	31	52	20%	25	25	0

Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.164383562	0.51432241	0.852837194	0.276897378	0.094023924	0.00166	0.069771948
32.25	4.07671	16.45832	-	8.86072	-	0.06640	2.79088
29.75	3.68219	15.22394	-	8.19616	-	0.06142	2.58156
25.91	4.07671	12.75520	-	6.86705	-	0.05146	2.16293
19.44	3.94521	9.05207	-	4.87339	-	0.03652	1.53498
18.54	4.07671	6.17187	2.72908	4.20884	-	0.03154	1.32567
17.71	3.94521	5.76041	2.72908	3.98732	-	0.02988	1.25590
13.94	4.07671	5.76041	-	3.10125	-	0.02324	0.97681
13.23	4.07671	5.34895	-	2.87973	-	0.02158	0.90704
13.10	3.94521	5.34895	-	2.87973	-	0.02158	0.90704
14.64	4.07671	6.17187	-	3.32277	-	0.02490	1.04658
17.33	3.94521	7.81770	-	4.20884	-	0.03154	1.32567
21.69	4.07671	10.28645	-	5.53795	-	0.04150	1.74430

Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
	0.328767123	0.30907587	0.853481131	0.276897378	0.094023924	0.00166	0.069771948
29.76	8.15342	9.89043	-	8.86072	-	0.06640	2.79088
27.35	7.36438	9.14865	-	8.19616	-	0.06142	2.58156
24.90	8.15342	7.66508	-	6.86705	-	0.05146	2.16293
19.78	7.89041	5.43974	-	4.87339	-	0.03652	1.53498
20.16	8.15342	3.70891	2.73114	4.20884	-	0.03154	1.32567
19.36	7.89041	3.46165	2.73114	3.98732	-	0.02988	1.25590
15.72	8.15342	3.46165	-	3.10125	-	0.02324	0.97681
15.18	8.15342	3.21439	-	2.87973	-	0.02158	0.90704
14.91	7.89041	3.21439	-	2.87973	-	0.02158	0.90704
16.26	8.15342	3.70891	-	3.32277	-	0.02490	1.04658
18.15	7.89041	4.69795	-	4.20884	-	0.03154	1.32567
21.66	8.15342	6.18152	-	5.53795	-	0.04150	1.74430

CARE Bill Impacts Average

CARE	revmo	Customers	Average	Avg Baseli	Avg Non B	High (90th		Low (10th		Total Bill	Total Bill		Care (T/F)	Daily BL	Days/Mo	Monthly	Care	Monthly	Baseline	
						Percentile	Median	Percentile)	Status Quo		\$10 Cust	Delta								BL Limit
			Therms	Therms	Therms	Therms	Therms	Therms	Therms											
Yes	1	1,541,827	49.0817	36.9564	12.1253	98	40	10	38.65	34.67	(3.98)	TRUE	1.691	31	52	20%		49	49	
Yes	2	1,541,849	44.0777	34.2007	9.877	87	37	9	34.73	31.18	(3.56)	TRUE	1.691	28	47	20%		44	44	
Yes	3	1,539,825	36.1491	31.5584	4.5907	69	31	8	29.54	27.68	(1.86)	TRUE	1.691	31	52	20%		36	36	
Yes	4	1,538,534	24.2709	23.3047	0.9662	43	22	6	21.04	21.00	(0.04)	TRUE	1.691	30	51	20%		24	24	
Yes	5	1,534,925	21.1285	18.7453	2.3832	37	19	6	20.62	22.24	1.62	TRUE	0.473	31	15	20%		21	15	
Yes	6	1,530,644	20.1167	12.0423	8.0744	36	18	6	19.77	21.42	1.65	TRUE	0.473	30	14	20%		20	14	
Yes	7	1,526,761	16.5092	11.1769	5.3323	30	14	5	16.11	17.73	1.61	TRUE	0.473	31	15	20%		17	15	
Yes	8	1,523,328	14.9436	10.7008	4.2428	27	13	4	14.60	16.23	1.62	TRUE	0.473	31	15	20%		15	15	
Yes	9	1,520,042	15.5083	10.9313	4.577	28	13	4	15.28	16.93	1.65	TRUE	0.473	30	14	20%		16	14	
Yes	10	1,517,068	16.9518	11.2745	5.6773	30	15	5	16.55	18.16	1.61	TRUE	0.473	31	15	20%		17	15	
Yes	11	1,517,877	21.1898	18.1991	2.9907	38	19	6	18.87	19.34	0.47	TRUE	1.691	30	51	20%		21	21	
Yes	12	1,515,622	29.4789	26.8156	2.6634	56	25	7	24.84	24.08	(0.76)	TRUE	1.691	31	52	20%		29	29	

Non BL Usage										Non BL Usage									
	Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =		Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =		
0	38.65	4.07671	20.19505	-	10.87248	-	0.08148	3.42453		34.67	8.15342	12.13598	-	10.87248	-	0.08148	3.42453		
0	34.73	3.68219	18.13612	-	9.76400	-	0.07317	3.07539		31.18	7.36438	10.89868	-	9.76400	-	0.07317	3.07539		
0	29.54	4.07671	14.87383	-	8.00767	-	0.06001	2.52219		27.68	8.15342	8.93825	-	8.00767	-	0.06001	2.52219		
0	21.04	3.94521	9.98645	-	5.37644	-	0.04029	1.69343		21.00	7.89041	6.00124	-	5.37644	-	0.04029	1.69343		
6	20.62	4.07671	6.17187	4.18129	4.68034	-	0.03507	1.47418		22.24	8.15342	3.70891	4.18445	4.68034	-	0.03507	1.47418		
6	19.77	3.94521	5.76041	4.17324	4.45621	-	0.03339	1.40358		21.42	7.89041	3.46165	4.17639	4.45621	-	0.03339	1.40358		
2	16.11	4.07671	6.17187	1.02968	3.65708	-	0.02741	1.15188		17.73	8.15342	3.70891	1.03046	3.65708	-	0.02741	1.15188		
0	14.60	4.07671	6.14866	-	3.31027	-	0.02481	1.04264		16.23	8.15342	3.69496	-	3.31027	-	0.02481	1.04264		
2	15.28	3.94521	5.76041	1.02907	3.43537	-	0.02574	1.08204		16.93	7.89041	3.46165	1.02984	3.43537	-	0.02574	1.08204		
2	16.55	4.07671	6.17187	1.33165	3.75513	-	0.02814	1.18276		18.16	8.15342	3.70891	1.33266	3.75513	-	0.02814	1.18276		
0	18.87	3.94521	8.71871	-	4.69392	-	0.03518	1.47845		19.34	7.89041	5.23940	-	4.69392	-	0.03518	1.47845		
0	24.84	4.07671	12.12933	-	6.53010	-	0.04893	2.05680		24.08	8.15342	7.28897	-	6.53010	-	0.04893	2.05680		

CARE Bill Impacts Average

CARE	revmo	Customers	Average	Avg Baseli	High (90th			Median	Low (10th			Total Bill	Total Bill			Care (T/F)	Daily BL	Days/Mo	Monthly	Care	Monthly	Baseline
					Therms	Therms	Therms		Percentile	Therms	Percentile)		Therms	Status Quo	\$10 Cust							
Yes	1	1,541,827	49.0817	36.9564	12.1253		98	40	10	85.57	81.13	(4.44)	TRUE	1.691	31	52	20%			98	52	
Yes	2	1,541,849	44.0777	34.2007	9.877		87	37	9	75.80	71.78	(4.01)	TRUE	1.691	28	47	20%			87	47	
Yes	3	1,539,825	36.1491	31.5584	4.5907		69	31	8	57.28	52.83	(4.45)	TRUE	1.691	31	52	20%			69	52	
Yes	4	1,538,534	24.2709	23.3047	0.9662		43	22	6	34.23	31.12	(3.12)	TRUE	1.691	30	51	20%			43	43	
Yes	5	1,534,925	21.1285	18.7453	2.3832		37	19	6	36.10	37.72	1.63	TRUE	0.473	31	15	20%			37	15	
Yes	6	1,530,644	20.1167	12.0423	8.0744		36	18	6	35.26	36.92	1.66	TRUE	0.473	30	14	20%			36	14	
Yes	7	1,526,761	16.5092	11.1769	5.3323		30	14	5	29.27	30.89	1.62	TRUE	0.473	31	15	20%			30	15	
Yes	8	1,523,328	14.9436	10.7008	4.2428		27	13	4	26.35	27.97	1.62	TRUE	0.473	31	15	20%			27	15	
Yes	9	1,520,042	15.5083	10.9313	4.577		28	13	4	27.46	29.11	1.65	TRUE	0.473	30	14	20%			28	14	
Yes	10	1,517,068	16.9518	11.2745	5.6773		30	15	5	29.27	30.89	1.62	TRUE	0.473	31	15	20%			30	15	
Yes	11	1,517,877	21.1898	18.1991	2.9907		38	19	6	30.71	28.42	(2.29)	TRUE	1.691	30	51	20%			38	38	
Yes	12	1,515,622	29.4789	26.8156	2.6634		56	25	7	44.61	40.15	(4.46)	TRUE	1.691	31	52	20%			56	52	

Non BL Usage										Non BL Usage									
	Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =		Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =		
		0.164383562	0.51432241	0.852837194	0.276897378	0.094023924	0.00166	0.069771948			0.328767123	0.30907587	0.853481131	0.276897378	0.094023924	0.00166	0.069771948		
46	85.57	4.07671	21.39581	31.38441	21.70875	-	0.16268	6.83765		81.13	8.15342	12.85756	31.40811	21.70875	-	0.16268	6.83765		
40	75.80	3.68219	19.33852	27.29079	19.27206	-	0.14442	6.07016		71.78	7.36438	11.62125	27.31140	19.27206	-	0.14442	6.07016		
17	57.28	4.07671	21.39581	11.59859	15.28474	-	0.11454	4.81426		52.83	8.15342	12.85756	11.60734	15.28474	-	0.11454	4.81426		
0	34.23	3.94521	17.69269	-	9.52527	-	0.07138	3.00019		31.12	7.89041	10.63221	-	9.52527	-	0.07138	3.00019		
22	36.10	4.07671	6.17187	15.00993	8.19616	-	0.06142	2.58156		37.72	8.15342	3.70891	15.02127	8.19616	-	0.06142	2.58156		
22	35.26	3.94521	5.76041	15.00993	7.97464	-	0.05976	2.51179		36.92	7.89041	3.46165	15.02127	7.97464	-	0.05976	2.51179		
15	29.27	4.07671	6.17187	10.23405	6.64554	-	0.04980	2.09316		30.89	8.15342	3.70891	10.24177	6.64554	-	0.04980	2.09316		
12	26.35	4.07671	6.17187	8.18724	5.98098	-	0.04482	1.88384		27.97	8.15342	3.70891	8.19342	5.98098	-	0.04482	1.88384		
14	27.46	3.94521	5.76041	9.55178	6.20250	-	0.04648	1.95361		29.11	7.89041	3.46165	9.55899	6.20250	-	0.04648	1.95361		
15	29.27	4.07671	6.17187	10.23405	6.64554	-	0.04980	2.09316		30.89	8.15342	3.70891	10.24177	6.64554	-	0.04980	2.09316		
0	30.71	3.94521	15.63540	-	8.41768	-	0.06308	2.65133		28.42	7.89041	9.39591	-	8.41768	-	0.06308	2.65133		
4	44.61	4.07671	21.39581	2.72908	12.40500	-	0.09296	3.90723		40.15	8.15342	12.85756	2.73114	12.40500	-	0.09296	3.90723		

SoCalGas Residential Bill Impact
2020 TCAP Application

	Rates 1 Status Quo	Rates 2 \$10 Cust Charge
<u>INPUT:</u>		
Customer Charge \$/day =	\$0.16438	\$0.32877
BL Rate \$/th =	\$0.51432	\$0.30908
NBL Rate \$/th =	\$0.85284	\$0.85348
G-CP \$/th =	\$0.27690	\$0.27690
PPPS Non-CARE \$/th =	\$0.09402	\$0.09402
G-SRF \$/th =	\$0.00166	\$0.00166
PPPS CARE \$/th =	\$0.06977	\$0.06977

**SAN DIEGO GAS & ELECTRIC
2020 TCAP**

**Section 1
Rate Design Model**

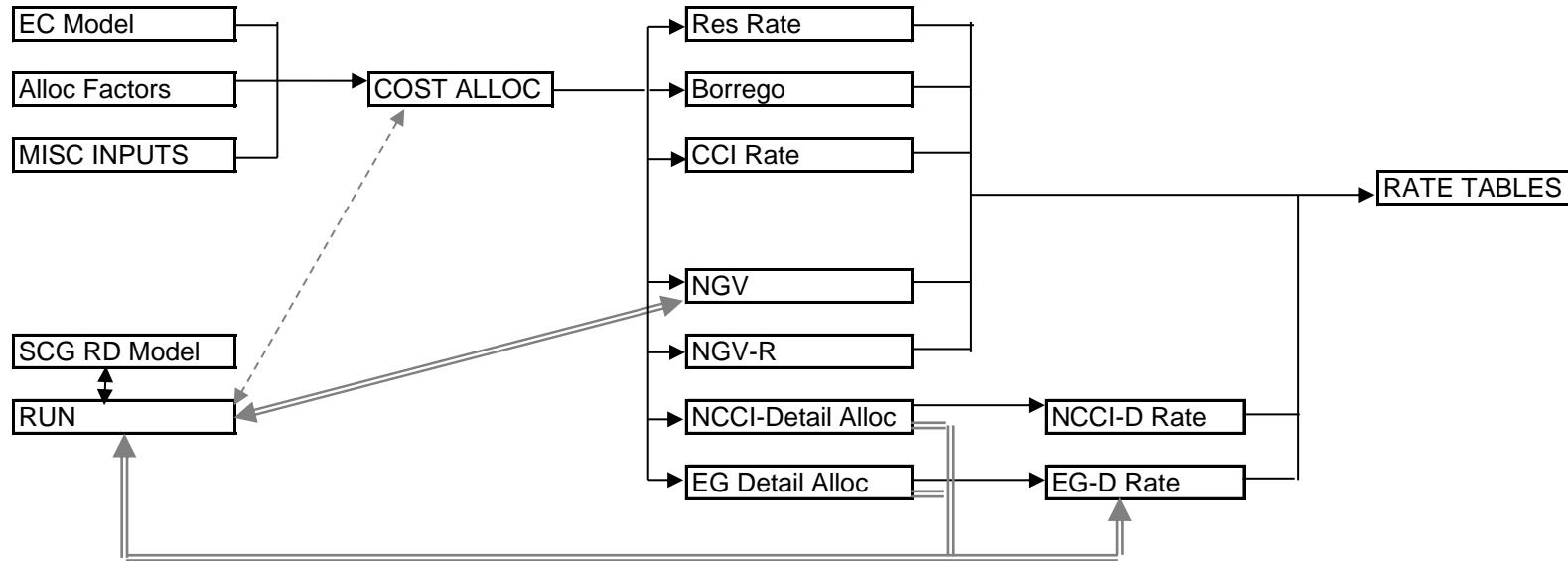
**Workpapers to the Prepared Written Testimony of
Sharim Chaudhury**

**Gas Transportation Rates and Revenues
San Diego Gas & Electric
2020 TRIENNIAL COST ALLOCATION PROCEEDING**

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

SDG&E - FLOWCHART of Rate Design model

#REF!



KEY:

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

Tabs not shown in flowchart

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

TABLE 1
Natural Gas Transportation Rate Revenues
San Diego Gas & Electric
2020 TCAP Application

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-18 Volumes mtherms A	Average Rate \$/therm B	Jul-1-18 Revenues \$000's C	Jan-1-20 Volumes mtherms D	Average Rate \$/therm E	Jan-1-20 Revenues \$000's F	Revenues \$000's G	Rates \$/therm H	Rate change % I
CORE									
Residential	319,982	\$0.91560	\$292,977	313,234	\$0.92590	\$290,025	(\$2,952)	\$0.01030	1.1%
Commercial & Industrial	182,660	\$0.27781	\$50,744	194,777	\$0.32346	\$63,002	\$12,258	\$0.04565	16.4%
NGV - Pre Sempra-Wide	18,501	\$0.14069	\$2,603	24,129	\$0.14570	\$3,515	\$913	\$0.00501	3.6%
Sempra-Wide Adjustment	18,501	\$0.01414	\$262	24,129	\$0.01216	\$294	\$32	(\$0.00197)	-13.9%
NGV Post Sempra-Wide	18,501	\$0.15482	\$2,864	24,129	\$0.15786	\$3,809	\$945	\$0.00304	2.0%
Total CORE	521,144	\$0.66505	\$346,586	532,140	\$0.67057	\$356,836	\$10,250	\$0.00552	0.8%
NONCORE COMMERCIAL & INDUSTRIAL									
Distribution Level Service	27,807	\$0.11678	\$3,247	29,376	\$0.09876	\$2,901	(\$346)	(\$0.01802)	-15.4%
Transmission Level Service (2)	17,168	\$0.02443	\$419	17,569	\$0.03239	\$569	\$150	\$0.00796	32.6%
Total Noncore C&I	44,975	\$0.08152	\$3,667	46,945	\$0.07392	\$3,470	(\$196)	(\$0.00760)	-9.3%
NONCORE ELECTRIC GENERATION									
Distribution Level Service									
Pre Sempra-Wide	95,807	\$0.05180	\$4,963	68,867	\$0.07993	\$5,505	\$542	\$0.02813	54.3%
Sempra-Wide Adjustment	95,807	\$0.01873	\$1,794	68,867	\$0.01444	\$994	(\$800)	(\$0.00429)	-22.9%
Distribution Level post SW	95,807	\$0.07053	\$6,757	68,867	\$0.09437	\$6,499	(\$258)	\$0.02384	33.8%
Transmission Level Service (2)	574,075	\$0.02048	\$11,756	461,363	\$0.02844	\$13,123	\$1,367	\$0.00797	38.9%
Total Electric Generation	669,882	\$0.02764	\$18,513	530,230	\$0.03701	\$19,621	\$1,109	\$0.00937	33.9%
TOTAL NONCORE	714,857	\$0.03103	\$22,179	577,175	\$0.04001	\$23,092	\$912	\$0.00898	28.9%
SYSTEM TOTAL	1,236,000	\$0.29835	\$368,765	1,109,315	\$0.34249	\$379,928	\$11,163	\$0.04413	14.8%

- 1) These rates are for Natural Gas Transportation Service from "Citygate to Meter." The Backbone Transportation Service (BTS) rate is for service from Receipt Point to Citygate. The BTS rate is a SoCalGas tariff and service is purchased from SoCalGas.
- 2) The average Transmission Level Service (TLS) rate is shown here, see Rate Table 6 for detailed list of TLS rates.
- 3) All rates include Franchise Fees & Uncollectible charges.

TABLE 2
Core Gas Transportation Rates
San Diego Gas & Electric
2020 TCAP Application

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-18 Volumes mtherms A	Average Rate \$/therm B	Jul-1-18 Revenues \$000's C	Jan-1-20 Volumes mtherms D	Average Rate \$/therm E	Jan-1-20 Revenues \$000's F	Revenues \$000's G	Rates \$/therm H	Rate change % I
1 Residential RATES Schedule GR,GM									
2 Rates Exclude CSITMA & CAT									
3 Minimum Bill/Customer Charge	884,624	\$3.00	\$221	874,067	\$10.00	\$104,888	\$104,667		
4									
5 Baseline \$/therm	215,947	\$0.86668	\$187,156	255,260	\$0.48617	\$124,101	(\$63,055)	(\$0.38050)	-43.9%
6 Non-Baseline \$/therm	104,035	\$1.04355	\$108,566	57,974	\$1.07317	\$62,217	(\$46,349)	\$0.02962	2.8%
7 Average Rate \$/therm	319,982	\$0.92487	\$295,943	313,234	\$0.92967	\$291,206	(\$4,738)	\$0.00480	0.5%
8 NBL/BL Ratio									
9 Composite Rate \$/th		\$ 1.18018			\$1.17395			-\$0.00623	
10 Gas Rate \$/th		\$ 0.31248			\$0.27687			-\$0.03561	-11.4%
11 NBL/Composite rate ratio		1.15			1.15				
12 NBL- BL rate difference \$/th		0.17687			\$0.58700			\$0.41013	
13									
14 Rates Include CSITMA, CARB and GHG Adders, Excludes CAT									
15 CSITMA Adder to Volumetric Rate	258,048	\$0.00331	\$855	258,322	\$0.00318	\$822	(\$33)	(\$0.00013)	-3.9%
16 CARB Adder to Volumetric Rate				313,234	\$0.00083	\$261			
17 GHG End User Adder to Volumetric Rate				319,982	\$0.00000	\$0			
18 Baseline \$/therm		\$0.86999			\$0.49019			(\$0.37980)	-43.7%
19 Non-Baseline \$/therm		\$1.04686			\$1.07719			\$0.03033	2.9%
20 Average NonCARE Rate \$/therm		\$0.92819			\$0.93369			\$0.00550	0.6%
21									
22 Sub Meter Credit Schedule GS,GT									
23 GS Unit Discount \$/day	5,870	(\$0.38268)	(\$820)	5,879	(\$0.26499)	(\$569)	\$251	\$0.11770	-30.8%
24 GT Unit Discount \$/day	27,189	(\$0.40932)	(\$4,062)	26,104	(\$0.28570)	(\$2,722)	\$1,340	\$0.12362	-30.2%
25									
26 Schedule GL-1									
27 LNG Facility Charge, domestic use \$/month	321	\$14.79	\$57	293	\$14.79	\$52		\$0.00000	0.0%
28 LNG Facility Charge, non-domestic \$/mth/mbtu		\$0.05480			\$0.05480			\$0.00000	0.0%
29 LNG Volumetric Surcharge \$/th	74	\$0.16571	\$12	76	\$0.16571	\$13		\$0.00000	0.0%
30			\$69			\$65			
31 Volumetric Rates Include All Adders & CAT									
32 CAT Adder to Volumetric Rate	2,764	\$0.00000	\$0	2,253	\$0.00000	\$0	\$0	\$0.00000	
33 Baseline \$/therm		\$0.86999			\$0.49019			(\$0.37980)	-43.7%
34 Non-Baseline \$/therm		\$1.04686			\$1.07719			\$0.03033	2.9%
35 Average Rate \$/therm		\$0.92819			\$0.93369			\$0.00550	0.6%
36									
37 Other Adjustments:									
38 Employee Discount			(\$349)			(\$367)	(\$18)		
39 SDFFD			\$1,340			\$1,330	(\$11)		
40									
41 Credit for CSITMA Exempt Customers:		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
42									
43 California Climate Credit - April Bill		\$0.00			\$0.00				
44 Total Residential	319,982	\$0.91560	\$292,977	313,234	\$0.92590	\$290,025	(\$2,952)	\$0.01030	1.1%

See footnotes, Table 1.

TABLE 3
Natural Gas Transportation Rate Revenues
San Diego Gas & Electric

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-18 Volumes mtherms A	Average Rate \$/therm B	Jul-1-18 Revenues \$000's C	Jan-1-20 Volumes mtherms D	Average Rate \$/therm E	Jan-1-20 Revenues \$000's F	Revenues \$000's G	Rates \$/therm H	Rate change % I	
1										
2										
3										
4	CORE COMMERCIAL & INDUSTRIAL RATES Schedule GN-3									
5	Customer Charge \$/month	30,265	\$10.00	\$3,632	30,937	\$10.00	\$3,712	\$81	\$0.00000	0.0%
6										
7	Rates Exclude CSITMA & CAT									
8	Tier 1 = 0 to 1,000 therms/month	82,658	\$0.32811	\$27,121	87,627	\$0.39272	\$34,413	\$7,292	\$0.06461	19.7%
9	Tier 2 = 1,001 to 21,000 therms/month	84,219	\$0.19690	\$16,583	88,939	\$0.23099	\$20,544	\$3,961	\$0.03409	17.3%
10	Tier 3 = over 21,000 therms/month	15,783	\$0.15984	\$2,523	18,211	\$0.18530	\$3,375	\$852	\$0.02546	15.9%
11										
12	Rates Includes CSITMA, Excludes CAT									
13	CSITMA Adder to Volumetric Rate	182,649	\$0.00331	\$605	187,959	\$0.00318	\$598	(\$7)	(\$0.00013)	-3.9%
14	Tier 1 = 0 to 1,000 therms/month		\$0.33142			\$0.39590			\$0.06448	19.5%
15	Tier 2 = 1,001 to 21,000 therms/month		\$0.20022			\$0.23417			\$0.03396	17.0%
16	Tier 3 = over 21,000 therms/month		\$0.16315			\$0.18849			\$0.02533	15.5%
17										
18	Rates Include CSITMA & CAT									
19	CAT Adder to Volumetric Rate	35,463	\$0.00000	\$0	39,978	\$0.00000	\$0	\$0	\$0.00000	
20	Tier 1 = 0 to 1,000 therms/month		\$0.33142			\$0.39590			\$0.06448	19.5%
21	Tier 2 = 1,001 to 21,000 therms/month		\$0.20022			\$0.23417			\$0.03396	17.0%
22	Tier 3 = over 21,000 therms/month		\$0.16315			\$0.18849			\$0.02533	15.5%
23										
24	Other Adjustments:									
25	Adjustment for SDDFD			\$281			\$360	\$79		
26	Credit for CSITMA Exempt Customers:			(\$0.00331)			(\$0.00318)		\$0.00013	-3.9%
27										
28	Total Core C&I	182,660	\$0.27781	\$50,744	194,777	\$0.32346	\$63,002	\$12,258	\$0.04565	16.4%

1) CSITMA - Tariff rate Include CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA. CARE participants receive 20% CARE discount (Tariff rate less Credit for CSITMA Exempt Customers)*20%.
See footnotes, Table 1.

TABLE 4
Other Core Gas Transportation Rates
San Diego Gas & Electric
01/00/00
2020 TCAP Application
2020 TCAP \$10 customer charge

	At Present Rates			At Proposed Rates			Changes			
	Jul-1-18 Volumes mtherms	Average Rate \$/therm	Jul-1-18 Revenues \$000's	Jan-1-20 Volumes mtherms	Average Rate \$/therm	Jan-1-20 Revenues \$000's	Revenues \$000's	Rates \$/therm	Rate change %	
	A	B	C	D	E	F	G	H	I	
1	NATURAL GAS VEHICLE RATES G-NGV & GT-NGV									
2	Sempra-Wide NGV Rates									
3	Customer Charge									
4	P1 \$/month	28	\$13.00	\$4	15	\$13.00	\$2	(\$2)	\$0.00	0.0%
5	P2A \$/month	10	\$65.00	\$8	13	\$65.00	\$10	\$2	\$0.00	0.0%
6	Uncompressed Rate Exclude CSITMA & CAT \$/therm									
7	Compressor Adder \$/therm exclude CSITMA & CAT	18,501	\$0.11003	\$2,036	24,129	\$0.12583	\$3,036	\$1,000	\$0.01579	14.4%
8	Combined transport & compressor adder \$/th	744	\$1.03701	\$772	628	\$1.04809	\$659	(\$113)	\$0.01108	1.1%
9			\$1.14704			\$1.17392			\$0.02688	2.3%
10	Volumetric Rates Include CSITMA, CARB and GHG excludes CAT									
11	CSITMA Adder to Volumetric Rate	11,409	\$0.00331	\$38	23,583	\$0.00318	\$75	\$37	(\$0.00013)	-3.9%
12	CARB Adder to Volumetric Rate				24,129	\$0.00083	\$20			
13	GHG End User Adder to Volumetric Rate				24,129	\$0.00000	\$0			
14	Uncompressed Rate \$/therm		\$0.11335			\$0.12984			\$0.01650	14.6%
15	Combined transport & compressor adder \$/th		\$1.15036			\$1.17794			\$0.02758	2.4%
16										
17	Volumetric Rates Include CSITMA & CAT									
18	CAT Adder to Volumetric Rate		\$0.00000			\$0.00000				
19	Uncompressed Rate \$/therm		\$0.11335			\$0.12984	\$0	\$0	\$0.01650	14.6%
20	Combined transport & compressor adder \$/th		\$1.15036			\$1.17794			\$0.02758	2.4%
21	Other Adjustments:									
22	Adjustment for SDFFD 0.491%			\$7		\$7	\$0	\$0		
23	Credit for CSITMA Exempt Customers \$/th		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
24	Low Carbon Fuel Standard (LCFS) Credit		\$0.00000			\$0.00000				
25	Total NGV	18,501	\$0.15482	\$2,864	24,129	\$0.15786	\$3,809	\$945	\$0.00304	2.0%
26										
27	RESIDENTIAL NATURAL GAS VEHICLES (optional rate)									
28	Customer Charge									
29	Uncompressed Rate w/o CSITMA & CAT \$/therm	885	\$5.00	\$53	15	\$5.00	\$1	(\$52)	\$0.00	0.0%
30		969	\$0.25853	\$251	9	\$1.72275	\$16	(\$235)	\$1.46423	566.4%
31		969	\$0.31329	\$304	9	\$1.81923	\$17	(\$287)	\$1.50594	480.7%
32	Volumetric Rates Including CSITMA , Excluding CAT									
33	CSITMA Adder to Volumetric Rate		\$0.00331		9	\$0.00318	\$0		(\$0.00013)	-3.9%
34	CARB Adder to Volumetric Rate				9	\$0.00083	\$0			
35	GHG End User Adder to Volumetric Rate				9	\$0.00000	\$0			
36	Uncompressed Rate \$/therm		\$0.26184			\$1.72677			\$1.46493	559.5%
37										
38	Volumetric Rates Include CSITMA & CAT									
39	CAT Adder to Volumetric Rate	0	\$0.00000	\$0	0	\$0.00000	\$0	\$0	\$0.00000	
40	Uncompressed Rate \$/therm		\$0.26184			\$1.72677			(\$1.50594)	\$5
41										
42	Other Adjustments:									
43	Adjustment for SDFFD			\$0		\$0	\$0	\$0		
44	Credit for CSITMA Exempt Customers \$/th		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
45										
46	Total Residential NGV	969	\$0.31329	\$304	9	\$1.82324	\$17	(\$287)	\$1.50996	482.0%

1) CSITMA - Tariff rate Include CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA.

TABLE 5
NonCore Gas Transportation Rates
San Diego Gas & Electric

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-18 Volumes mtherms	Average Rate \$/therm	Jul-1-18 Revenues \$000's	Jan-1-20 Volumes mtherms	Average Rate \$/therm	Jan-1-20 Revenues \$000's	Revenues \$000's	Rates \$/therm	Rate change %
	A	B	C	D	E	F	G	H	I
NonCore Commercial & Industrial Distribution Level									
Customer Charges \$/month	42	\$350.00	\$177	44	\$350.00	\$185	\$8	\$0.00	0.0%
Volumetric Charges Exclude CARB, GHG, CSITMA	27,807	\$0.10741	\$2,987	29,376	\$0.08951	\$2,629	(\$357)	(\$0.01790)	-16.7%
CSITMA Adder to Volumetric Rate	25,154	\$0.00331	\$83	27,293	\$0.00318	\$87	\$4	(\$0.00013)	-3.9%
GHG Adder to Volumetric Rate		\$0.00000	\$0		\$0.00000	\$0	\$0	\$0.00000	
Volumetric Charges Include CARB, GHG, and CSITMA									
Volumetric Rates \$/therm		\$0.11072			\$0.09269			(\$0.01803)	-16.3%
Other Adjustments:									
SDFFD 0.727%									
Credit for CSITMA Exempt Customers \$/th		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
Credit for CARB Fee Exempt Customers \$/th		(\$0.00076)			(\$0.00083)			(\$0.00007)	9.8%
Credit for GHG Fee Exempt Customers \$/th		\$0.00000			\$0.00000			\$0.00000	
NCCI-Distribution Total	27,807	\$0.11678	\$3,247	29,376	\$0.09876	\$2,901	(\$346)	(\$0.01802)	-15.4%
NCCI-Transmission Total (1)	17,168	\$0.02443	\$419	17,569	\$0.03239	\$569	\$150	\$0.00796	32.6%
NCCI-Transmission Class Average	17,168	\$0.02443	\$419	17,569	\$0.03239	\$569			
Total NonCore C&I	44,975	\$0.08152	\$3,667	46,945	\$0.07392	\$3,470	(\$196)	(\$0.00760)	-9.3%
ELECTRIC GENERATION									
Small EG Distribution Level Service (a Sempra-Wide rate) exclude CARB, GHG, and CSITMA									
Customer Charge, \$/month	46	\$50.00	\$28	69	\$50.00	\$41	\$14	\$0.00	0.0%
Volumetric Rate \$/therm	19,210	\$0.12635	\$2,427	24,662	\$0.12880	\$3,176	\$749	\$0.00	1.9%
Large EG Distribution Level Service (a Sempra-Wide rate) exclude CARB, GHG, and CSITMA									
Customer Charge, \$/month		\$0.00			\$0.00			\$0.00	
Volumetric Rate (Incl ITCS) \$/th	76,596	\$0.05523	\$4,230	44,206	\$0.07293	\$3,224	(\$1,007)	\$0.02	32.0%
EG Distribution exclude CARB & GHG Fee, CSITMA	95,807	\$0.06978	\$6,685	68,867	\$0.09353	\$6,441	(\$244)	\$0.02	34.0%
Volumetric Rates Includes CARB Fee, GHG Fee Excludes CSITMA:									
CARB Fee Cost Adder - Small	17,675	\$0.00076	\$13	24,560	\$0.00083	\$20	\$7	\$0.00007	
CARB Fee Cost Adder - Large	76,596	\$0.00076	\$58	44,206	\$0.00083	\$37			
GHG Fee Cost Adder - Small	18,266	\$0.00000	\$0	23,450	\$0.00000	\$0	\$0	\$0.00000	
GHG Fee Cost Adder - Large	8,082	\$0.00000	\$0	4,665	\$0.00000	\$0			
EG-Distribution Tier 1 Incl CARB & GHG Fee, Excl CSITMA		\$0.12711			\$0.12963			\$0.00252	2.0%
EG-Distribution Tier 2 Incl CARB & GHG Fee, Excl CSITMA		\$0.05599			\$0.07376			\$0.01777	31.7%
Total - EG Distribution Level	95,807	\$0.07053	\$6,757	68,867	\$0.09437	\$6,499	(\$258)	\$0.02384	33.8%
Credit for CARB Fee Exempt Customers \$/th		(\$0.00076)			(\$0.00083)				
Credit for GHG Fee Exempt Customers \$/th		\$0.00000			\$0.00000				
EG Transmission Level Service Excl CARB & GHG fee & CSITMA	479,795	\$0.02035	\$9,765	461,363	\$0.02837	\$13,090	\$3,324	\$0.00802	39.4%
EG Transmission Level Service - CARB				39,584	\$0.00083	\$33			
EG Transmission Level Service - GHG				4,857	\$0.00000	\$0			
EG Transmission Level Service Incl CARB & GHG Fee & CSITMA	94,280	\$0.02007	\$1,893						
EG Transmission Level Service - Average (1)	574,075	\$0.02048	\$11,756	461,363	\$0.02844	\$13,123	\$1,367	\$0.00797	38.9%
TOTAL ELECTRIC GENERATION	669,882	\$0.02764	\$18,513	530,230	\$0.03701	\$19,621	\$1,109	\$0.00937	33.9%

1) CSITMA - Tariff rate include CSITMA, exempt customers (including CARE participants and Constitutionally Exempt) receive Credit for CSITMA. Schedule EG Tariff Rate exclude CSITMA, since EG customers are exempt.
2) CARB - GTNC and EG Tariff rates include CARB. Those EG and GTNC customers that are exempt will receive CARB credit.
3) GHG - GTNC and EG Tariff rates include GHG. Those EG and GTNC customers that are exempt will receive GHG credit.
See footnotes, Table 1.

TABLE 6
Transmission Level Service Gas Transportation Rates
San Diego Gas & Electric

	At Present Rates			At Proposed Rates			Changes		
	Jul-1-18 Volumes mtherms	Average Rate \$/therm	Jul-1-18 Revenues \$000's	Jan-1-20 Volumes mtherms	Average Rate \$/therm	Jan-1-20 Revenues \$000's	Revenues \$000's	Rates \$/therm	Rate change %
	A	B	C	D	E	F	G	H	I
1 Transmission Level Service Rate Excluding CSITMA, CARB, and GHG Fees									
2 Reservation Service Option (RS):									
3 Daily Reservation rate \$/th/day		\$0.00674			\$0.00968			\$0.00294	43.6%
4 Usage Charge for RS \$/th		\$0.01000			\$0.01414			\$0.00414	41.4%
5									
6 Class Average Volumetric Rate (CA)									
7 Volumetric Rate \$/th		\$0.01045			\$0.01437			\$0.00392	37.5%
8 Usage Charge for CA \$/th		\$0.01000			\$0.01414			\$0.00414	41.4%
9 Class Average Volumetric Rate CA \$/th		\$0.02045			\$0.02851			\$0.00806	39.4%
10									
11 115% CA (for NonBypass Volumetric NV) \$/th		\$0.02352			\$0.03279			\$0.00927	39.4%
12 135% CA (for Bypass Volumetric BV) \$/th		\$0.02761			\$0.03849			\$0.01088	39.4%
13									
14 Average Transmission Level Service	591,243	\$0.02035	\$12,034	478,932	\$0.02837	\$13,588	\$1,554	\$0.00802	39.4%
15 C&I Rate Include CSITMA, CARB, and GHG Fees									
16 CSITMA Adder to Usage Rate \$/th	17,168	\$0.00331	\$57	17,569	\$0.00318	\$56	(\$1)	(\$0.00013)	-3.9%
18 CARB Cost Adder	111,448	\$0.00076	\$85	57,153	\$0.00083	\$48		\$0.00007	
19 GHG Cost Adder	2,824	\$0.00000	\$0	5,718	\$0.00000	\$0		\$0.00000	
20 Reservation Service Option (RS):									
21 Daily Reservation rate \$/th/day		\$0.00674			\$0.00968			\$0.00294	43.6%
22 Usage Charge for RS \$/th		\$0.01407			\$0.01816			\$0.00408	29.0%
23									
24 Class Average Volumetric Rate (CA)									
25 Volumetric Rate \$/th		\$0.01045			\$0.01437			\$0.00392	37.5%
26 Usage Charge for CA \$/th		\$0.01407			\$0.01816			\$0.00408	29.0%
27 Class Average Volumetric Rate CA \$/th		\$0.02452			\$0.03253			\$0.00801	32.6%
28									
29 115% CA (for NonBypass Volumetric NV) \$/th		\$0.02759			\$0.03681			\$0.00922	33.4%
30 135% CA (for Bypass Volumetric BV) \$/th		\$0.03168			\$0.04251			\$0.01083	34.2%
31									
32 Other Adjustments:									
33 Credit for CSITMA Exempt Customers \$/th		(\$0.00331)			(\$0.00318)			\$0.00013	-3.9%
34 CARB Fee Credit for Exempt Customers \$/th		(\$0.00076)			(\$0.00083)			(\$0.00007)	9.8%
35 GHG Fee Credit for Exempt Customers \$/th		\$0.00000			\$0.00000			\$0.00000	
36									
37 EG Rate Include CARB & GHG Fees, excludes CSITMA:									
38 CARB Fee Cost Adder		\$0.00076			\$0.00083			\$0.00007	
39 GHG Fee Cost Adder		\$0.00000			\$0.00000			\$0.00000	
40 Reservation Service Option (RS):									
41 Daily Reservation rate \$/th/day		\$0.00674			\$0.00968			\$0.00294	43.6%
42 Usage Charge for RS \$/th		\$0.01076			\$0.01497			\$0.00421	39.2%
43									
44 Class Average Volumetric Rate (CA)									
45 Volumetric Rate \$/th		\$0.01045			\$0.01437			\$0.00392	37.5%
46 Usage Charge for CA \$/th		\$0.01076			\$0.01497			\$0.00421	39.2%
47 Class Average Volumetric Rate CA \$/th		\$0.02121			\$0.02935			\$0.00814	38.4%
48									
49 115% CA (for NonBypass Volumetric NV) \$/th		\$0.02428			\$0.03362			\$0.00935	38.5%
50 135% CA (for Bypass Volumetric BV) \$/th		\$0.02837			\$0.03933			\$0.01096	38.6%
51									
52 Other Adjustments:									
53 CARB Fee Credit for Exempt Customers \$/th		(\$0.00076)			(\$0.00083)			(\$0.00007)	9.8%
54 GHG Fee Credit for Exempt Customers \$/th		\$0.00000			\$0.00000			\$0.00000	
55									
56 Average Transmission Level Service	591,243	\$0.02059	\$12,175	478,932	\$0.02859	\$13,692	\$1,516	\$0.00800	38.8%

See footnotes, Table 1.

Verify TLS Revenue:

NCCI-T	17,168	\$0.02443	\$419	17,569	\$0.03239	\$569	150	\$0.00796	\$0
EG-T	574,075	\$0.02048	\$11,756	461,363	\$0.02844	\$13,123	1,367	\$0.00797	\$0
	591,243	\$0.02059	\$12,175	478,932	\$0.02859	\$13,692	1,516	\$0.00800	\$0
difference	0	\$0.00000	\$0	0	\$0.00000	\$0	0	\$0.00000	

Revenue Check of Base Margin, Revenue Requirement and Rates
2020 TCAP Application

Base Margin in Transportation rates		\$000's	
Authorized Base Margin		\$304,021	
2017 attrition w/ffu		\$10,635	
2018 attrition w/ffu		\$11,007	
Rounding Adjustment		\$0	
AMI Adjustment		\$0	
Cost of Capital Adjustment		(\$2,070)	
Full Authorized Margin		\$323,593	
Less AB32 fees different allocation:			
AB32 Fees	(\$560)	102.29%	(\$573) Cost Alloc
Base Margin in Transportation Rates w/oSI; w/FFU \$000		\$323,020	Cost Alloc = \$323,020 \$0

Reconcile Base Margin with Revenue Requirement

Base Margin in 2007 Rates under 2009BCAP rules w/FFU		\$323,020	
System Integration:			
Less Backbone Transmission Costs		(\$40,564)	Cost Alloc
Less Local Transmission Costs		\$0	Cost Alloc
Plus Backbone Transmission Costs w/SI		\$0	
Plus Local Transmission Costs w/SI		\$8,230	Cost Alloc
Plus Unbundled BBT amount w/FFU		\$25,722	
System Integration		(\$6,612)	
less Unbundled BBT amount w/FFU		(\$25,722)	
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU		\$290,686	
Other Operating Costs and Revenues		\$27,612	Cost Alloc
Regulatory Accounts		\$61,061	Cost Alloc
adjustment \$000			
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr		\$379,359	cost allocation total = \$379,359 \$0
plus change due to TLS (NCCI/EG/SW/DGN)		(\$719)	
plus SW Adjustments		\$1,288	
Final Revenue Requirement in Rate Tables w/oFAR Revenue		\$379,928	Rate Table Total = \$379,928 \$0

Summary of Rate Table 1, Revenues

	A (w/o FAR, RG,SW)	B=SW Adj	C=A+B (w/o FAR, RG)	D=RegGap	E=C+D (w/o BTS)	F=FAR	Total G=E+F
Core	\$356,543	\$294	\$356,836		\$356,836		\$356,836
NCCI-D	\$2,901		\$2,901		\$2,901		\$2,901
NCCI-T	\$489		\$489	\$66	\$554		\$554
	\$3,390	\$0	\$3,390	\$66	\$3,455		\$3,455
EG-D	\$5,505	\$994	\$6,499		\$6,499		\$6,499
EG-T	\$13,922		\$13,922	(\$784)	\$13,137		\$13,137
	\$19,426	\$994	\$20,420	(\$784)	\$19,636		\$19,636
Transport Rev Req \$000/yr	\$379,359	\$1,288	\$380,646	(\$719)	\$379,928	\$0	\$379,928
<i>Table 1 Total Revenue (Incl SI, FAR, TLS, SW Adj)</i>	<u>\$379,359</u>				<u>\$379,928</u>		<u>\$379,928</u>
	\$0				\$0		\$0

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

Summary of Rate tables 2 thru 5

Table 2 - Core Res & Core C&I:				
Residential Service \$000	\$290,025			
Core C&I Service \$000	\$63,002			
Table 3 - other Core service:				
NGV \$000	\$3,809			
CORE	\$356,836			
Table 4 - NonCore Distribution Level:				
C&I \$000	\$2,901			
Sw-EG \$000	\$6,499			
NonCore Distribution	\$9,400			
Table 5 - Local Transmission Level				
System Total Rev Req w/SW adjustments \$000	\$379,928	<i>Rev Req w/o FAR =</i>	\$379,928	\$0.00
Est FAR Revenues to SDGE - \$000	\$0			
System Total Rev Req w/ SW adjustments \$000	\$379,928	<i>Rev Req w/FAR =</i>	\$379,928	\$0.00

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	\$163,561	\$24	\$10,782	\$174,366
Medium Pressure Distribution Costs	\$61,989	\$842	\$23,115	\$85,945
High Pressure Distribution Costs	\$12,304	\$264	\$4,662	\$17,230
Backbone Transmission Costs	\$12,135	\$853	\$7,182	\$20,169
Local Transmission Costs	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
NGV	\$0	\$647	\$0	\$647
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$249,988	\$2,630	\$45,739	\$298,357
Less Backbone Transmission Costs	(\$12,135)	(\$853)	(\$7,182)	(\$20,169)
Less Local Transmission Costs	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$3,418	\$133	\$1,589	\$5,141
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$241,272	\$1,911	\$40,147	\$283,329
	77%			

Other Operating Costs and Revenues	<i>Non-ECPT?</i>	Add FFU Y or N?	Amount to Allocate (w/o F&U)				
SCG Transport excl Core Storge & Load Balance \$000		Y	\$4,586	\$1,325	\$102	\$824	\$2,250
SCG Core Seasonal Storage		Y	\$11,522	\$8,916	\$100	\$2,771	\$11,786
SCG Load Balancing Allocated to ALL SDGE \$000		Y	\$8,447	\$2,440	\$188	\$1,517	\$4,145
n/a							
LUAUF		Y	\$1,748	\$808	\$62	\$502	\$1,372
Company Use Gas: Other		Y	\$129	\$37	\$3	\$23	\$63
AMI rev req incl FF&U AL 1693-G	Y	Y	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)		Y	\$560	\$261	\$20	\$162	\$443
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAUF Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues			\$26,993	\$13,786	\$475	\$5,799	\$20,061

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	\$104	\$121	\$30	\$151	\$255	\$174,622
Medium Pressure Distribution Costs	\$1,250	\$1,200	\$454	\$1,654	\$2,904	\$88,849
High Pressure Distribution Costs	\$333	\$277	\$498	\$775	\$1,108	\$18,338
Backbone Transmission Costs	\$1,659	\$1,051	\$17,686	\$18,736	\$20,395	\$40,564
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$647
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$3,346	\$2,649	\$18,668	\$21,317	\$24,663	\$323,020
Less Backbone Transmission Costs	(\$1,659)	(\$1,051)	(\$17,686)	(\$18,736)	(\$20,395)	(\$40,564)
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$269	\$153	\$2,668	\$2,821	\$3,090	\$8,230
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,956	\$1,751	\$3,651	\$5,401	\$7,357	\$290,686

Other Operating Costs and Revenues							F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storage & Load Balance \$000	\$199	\$126	\$2,116	\$2,242	\$2,441	\$4,691	\$105	\$4,586
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$11,786	\$264	\$11,522
SCG Load Balancing Allocated to ALL SDGE \$000	\$366	\$232	\$3,899	\$4,130	\$4,496	\$8,641	\$194	\$8,447
n/a								
LUAF	\$34	\$21	\$361	\$383	\$417	\$1,788	\$40	\$1,748
Company Use Gas: Other	\$6	\$4	\$60	\$63	\$69	\$132	\$3	\$129
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	\$39	\$24	\$66	\$90	\$129	\$573	\$13	\$560
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$643	\$407	\$6,502	\$6,909	\$7,551	\$27,612	\$619	\$26,993

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Embedded Costs:									
Customer Related Costs	EC Model	0							
Medium Pressure Distribution Costs	EC Model	0							
High Pressure Distribution Costs	EC Model	0							
Backbone Transmission Costs	EC Model	0							
Local Transmission Costs	EC Model	0							
Storage - Borrego	EC Model	0							
Core Seasonal Storage	EC Model	0							
Storage - Load Balancing	EC Model	0							
NGV	EC Model	0							
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Less Backbone Transmission Costs									
Less Local Transmission Costs									
Plus Local Transmission Costs w/SI,FFU	SCG/ SI & FAR								
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU									

Other Operating Costs and Revenues

SCG Transport excl Core Storge & Load Balance \$000	SCG RD Model/RUN	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
SCG Core Seasonal Storage	SCG RD Model/RUN	% CYPD MP Res & CCI	100.0%	75.6%	0.8%	23.5%	100.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	SCG RD Model/RUN	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
n/a									
LUAUF	Misc Inputs	Method #3 -76.7% core @ ECPT / 23.	100.0%	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%
Company Use Gas: Other	Misc Inputs	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
AMI rev req incl FF&U AL 1693-G	Misc Inputs, AL 1693-G	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
AB32 Fees (subtracted from base margin and allocated here)		ECPT AB32 Fee Non-Exempt	100.0%	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	Misc Inputs	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	Misc Inputs	ECPT GHG Fee Non-Exempt	100.0%	52.8%	4.1%	32.8%	89.6%	4.8%	4.8%
Green House Gas Balancing Account (GHGBA) - LUAUF Revenue Requirement	Misc Inputs	Method #3 -76.7% core @ ECPT / 23.	100.0%	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%
Subtotal Other Operating Costs and Revenues									

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3		Total NonCore	NCCI Allocation				Allocation Method	Total %
	mmth/yr	Total EG		NCCI Total	NCCI-D	NCCI-T	NCCI Total		
Embedded Costs:									
Customer Related Costs				\$104	\$87	\$18	\$104		
Medium Pressure Distribution Costs				\$1,250	\$1,250	\$0	\$1,250		
High Pressure Distribution Costs				\$333	\$333	\$0	\$333		
Backbone Transmission Costs				\$1,659	\$1,038	\$621	\$1,659		
Local Transmission Costs				\$0	\$0	\$0	\$0		
Storage - Borrego				\$0	\$0	\$0	\$0		
Core Seasonal Storage				\$0	\$0	\$0	\$0		
Storage - Load Balancing				\$0	\$0	\$0	\$0		
NGV				\$0	\$0	\$0	\$0		
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU				\$3,346	\$2,707	\$639	\$3,346		
Less Backbone Transmission Costs				(\$1,659)	(\$1,038)	(\$621)	(\$1,659)		
Less Local Transmission Costs				\$0	\$0	\$0	\$0		
Plus Local Transmission Costs w/SI,FFU				\$269	\$168	\$101	\$269	%CYPM	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU				\$1,956	\$1,838	\$118	\$1,956		

Other Operating Costs and Revenues

SCG Transport excl Core Storge & Load Balance \$000	45.1%	0.0%	52.0%	\$199	\$124	\$74	\$199	%AYTP	100.0%
SCG Core Seasonal Storage	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
SCG Load Balancing Allocated to ALL SDGE \$000	45.1%	0.0%	52.0%	\$366	\$229	\$137	\$366	%CYPM	100.0%
n/a				\$0	\$0	\$0	\$0	%AYTP	100.0%
LUAF	20.2%	21.4%	23.3%	\$34	\$21	\$13	\$34	%AYTP	100.0%
Company Use Gas: Other	45.1%	0.0%	52.0%	\$6	\$3	\$2	\$6	%AYTP	100.0%
AMI rev req incl FF&U AL 1693-G	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
AB32 Fees (subtracted from base margin and allocated here)	11.5%	15.8%	22.6%	\$39	\$24	\$15	\$39	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	0.8%	5.6%	10.4%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	20.2%	21.4%	23.3%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Subtotal Other Operating Costs and Revenues				\$643	\$402	\$241	\$643		

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Embedded Costs:									
Customer Related Costs			\$121	\$30	\$151	\$116	\$10	\$25	\$151
Medium Pressure Distribution Costs			\$1,200	\$454	\$1,654	\$1,200	\$454	\$0	\$1,654
High Pressure Distribution Costs			\$277	\$498	\$775	\$277	\$498	\$0	\$775
Backbone Transmission Costs			\$1,051	\$17,686	\$18,736	\$871	\$1,562	\$16,303	\$18,736
Local Transmission Costs			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing			\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGV			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU			\$2,649	\$18,668	\$21,317	\$2,464	\$2,525	\$16,328	\$21,317
Less Backbone Transmission Costs			(\$1,051)	(\$17,686)	(\$18,736)	(\$871)	(\$1,562)	(\$16,303)	(\$18,736)
Less Local Transmission Costs			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	62.6%	37.4%	\$153	\$2,668	\$2,821	\$140	\$252	\$2,429	\$2,821
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU			\$1,751	\$3,651	\$5,401	\$1,733	\$1,214	\$2,454	\$5,401

Other Operating Costs and Revenues

SCG Transport excl Core Storage & Load Balance \$000	62.6%	37.4%	\$126	\$2,116	\$2,242	\$104	\$187	\$1,951	\$2,242
SCG Core Seasonal Storage	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SCG Load Balancing Allocated to ALL SDGE \$000	62.6%	37.4%	\$232	\$3,899	\$4,130	\$205	\$369	\$3,557	\$4,130
n/a	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LUAF	62.6%	37.4%	\$21	\$361	\$383	\$18	\$32	\$333	\$383
Company Use Gas: Other	62.6%	37.4%	\$4	\$60	\$63	\$3	\$5	\$55	\$63
AMI rev req incl FF&U AL 1693-G	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	62.6%	37.4%	\$24	\$66	\$90	\$20	\$37	\$33	\$90
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	97.0%	3.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues			\$407	\$6,502	\$6,909	\$350	\$629	\$5,929	\$6,909

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D 1	Tier 2	EG-D Tier EG-T
Embedded Costs:					
Customer Related Costs					
Medium Pressure Distribution Costs					
High Pressure Distribution Costs					
Backbone Transmission Costs					
Local Transmission Costs					
Storage - Borrego					
Core Seasonal Storage					
Storage - Load Balancing					
NGV					
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU					
Less Backbone Transmission Costs					
Less Local Transmission Costs					
Plus Local Transmission Costs w/SI,FFU	%CYPM	100.0%	5.0%	8.9%	86.1%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU					
Other Operating Costs and Revenues					
SCG Transport excl Core Storge & Load Balance \$000	%AYTP	100.0%	4.7%	8.3%	87.0%
SCG Core Seasonal Storage	%AYTP	100.0%	4.7%	8.3%	87.0%
SCG Load Balancing Allocated to ALL SDGE \$000	%CYPM	100.0%	5.0%	8.9%	86.1%
n/a	%AYTP	100.0%	4.7%	8.3%	87.0%
LUAF	%AYTP	100.0%	4.7%	8.3%	87.0%
Company Use Gas: Other	%AYTP	100.0%	4.7%	8.3%	87.0%
AMI rev req incl FF&U AL 1693-G	%EPAM	100.0%	32.1%	22.5%	45.4%
AB32 Fees (subtracted from base margin and allocated here)	ECPT excluding exempt EG	100.0%	22.7%	40.8%	36.5%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	%AYTP	100.0%	4.7%	8.3%	87.0%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	ECPT excluding exempt EG	100.0%	71.1%	14.1%	14.7%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	%AYTP	100.0%	4.7%	8.3%	87.0%
Subtotal Other Operating Costs and Revenues					

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core
Regulatory Accounts							
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	Y	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$568	\$482	\$4	\$80	\$566
Baseline Balance BA		Y	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)		Y	\$25,990	\$16,393	\$0	\$10,194	\$26,587
CFCA -NGV only		Y	\$666	\$0	\$681	\$0	\$681
CFCA -Nonmargin Other		Y	\$566	\$341	\$26	\$212	\$579
CFCA -Nonmargin SCG		Y	\$29	\$17	\$1	\$11	\$29
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)		Y	\$830	\$352	\$14	\$164	\$530
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF		Y	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA		Y	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C		Y	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA		Y	\$509	\$147	\$11	\$91	\$250
Master Meter Balancing Account (MMBA)	Y	Y	\$987	\$838	\$7	\$139	\$984
Natural Gas Supp Refund Track Acct		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other		Y	\$268	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG		Y	\$2,604	\$0	\$0	\$0	\$0
NGVA		Y	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC		Y	\$0	\$0	\$0	\$0	\$0
PBOPBA	Y	Y	(\$519)	(\$441)	(\$3)	(\$73)	(\$517)
Pension BA	Y	Y	\$4,070	\$3,456	\$27	\$575	\$4,058
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission		Y	\$219	\$93	\$4	\$43	\$140
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$1,616	\$686	\$27	\$319	\$1,032
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$14,531	\$9,973	\$214	\$3,778	\$13,966
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission		Y	\$504	\$214	\$8	\$100	\$322
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution		Y	\$1,672	\$1,148	\$25	\$435	\$1,607
RD&D 1-Way Bal Acct (Pre-2001)		Y	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	Y	\$396	\$337	\$3	\$56	\$395
Self Gen Memo Acct - SGPMA-CSI	Y	Y	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	Y	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	Y	\$2,265	\$10	\$0	\$276	\$286
Gain/Loss on Sale Memo Acct GLOSMA	Y	Y	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA		Y	\$319	\$98	\$7	\$58	\$162
Integrated Transmission Nonmargin ITBA		Y	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Y	N	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$4	\$3	\$7	\$11	\$15	\$581	\$13	\$568
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)	\$0	\$0	\$0	\$0	\$0	\$26,587	\$596	\$25,990
CFCA -NGV only	\$0	\$0	\$0	\$0	\$0	\$681	\$15	\$666
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$579	\$13	\$566
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$29	\$1	\$29
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$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)	\$28	\$16	\$275	\$291	\$319	\$849	\$19	\$830
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	\$22	\$14	\$235	\$249	\$271	\$520	\$12	\$509
Master Meter Balancing Account (MMBA)	\$7	\$6	\$13	\$19	\$26	\$1,010	\$23	\$987
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$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
NFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	\$22	\$14	\$238	\$252	\$275	\$275	\$6	\$268
NFCA -Nonmargin SCG	\$217	\$137	\$2,310	\$2,447	\$2,664	\$2,664	\$60	\$2,604
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	(\$4)	(\$3)	(\$7)	(\$10)	(\$13)	(\$531)	(\$12)	(\$519)
Pension BA	\$28	\$25	\$52	\$77	\$105	\$4,163	\$93	\$4,070
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$7	\$4	\$73	\$77	\$84	\$224	\$5	\$219
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$54	\$31	\$536	\$566	\$620	\$1,653	\$37	\$1,616
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$270	\$224	\$404	\$628	\$898	\$14,864	\$333	\$14,531
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	\$17	\$10	\$167	\$177	\$194	\$516	\$12	\$504
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	\$31	\$26	\$46	\$72	\$103	\$1,711	\$38	\$1,672
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$3	\$2	\$5	\$8	\$10	\$406	\$9	\$396
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	\$0	\$114	\$1,917	\$2,031	\$2,031	\$2,317	\$52	\$2,265
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$13	\$8	\$142	\$151	\$164	\$326	\$7	\$319
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
On-Bill Financing Balancing Account (OBFBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Baseline Balance BA	Reg. Acct Filing 10/2017	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
CFCA -Margin Only (non-NGV)	Reg. Acct Filing 10/2017	ECPT-Core (non NGV)	100.0%	61.7%	0.0%	38.3%	100.0%	0.0%	0.0%
CFCA -NGV only	Reg. Acct Filing 10/2017	NGV only	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%
CFCA -Nonmargin SCG	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%
Environmental Fee Balance Account EFBA	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%
Disconnect Memorandum Account (DMA)	Reg. Acct Filing 10/2017	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	Reg. Acct Filing 10/2017	CYPM	100.0%	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Green House Gas Balancing Account (GHGBA) - End User	Reg. Acct Filing 10/2017	ECPT GHG Fee Non-Exempt	100.0%	52.8%	4.1%	32.8%	89.6%	4.8%	4.8%
Green House Gas Balancing Account (GHGBA) - LUAF	Reg. Acct Filing 10/2017	Method #3 -76.7% core @ ECPT / 23.	100.0%	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%
FERC Settlement Proceeds MA	Reg. Acct Filing 10/2017	CAT allocation	100.0%	3.8%	28.3%	67.8%	100.0%	0.0%	0.0%
Core Gas Storage Balancing Acct. GSBA-C	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Master Meter Balancing Account (MMBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Natural Gas Supp Refund Track Acct	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
NFCA -Margin Only	Reg. Acct Filing 10/2017	EPAM Noncore Only	100.0%	0.0%	0.0%	0.0%	0.0%	26.6%	23.8%
NFCA -Nonmargin Other	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%
NFCA -Nonmargin SCG	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%
NGVA	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Non-Core Gas Storage Balancing Acct GSBA-NC	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%
PBOPBA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Pension BA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	67.1%	1.4%	25.4%	94.0%	1.8%	1.5%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	67.1%	1.4%	25.4%	94.0%	1.8%	1.5%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	67.1%	1.4%	25.4%	94.0%	1.8%	1.5%
RD&D 1-Way Bal Acct (Pre-2001)	Reg. Acct Filing 10/2017	ECPT	100.0%	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%
Rewards & Penalties Bal Acct RPBA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Self Gen Memo Acct - SGPMA-CSI	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Self Gen Memo Acct - SGPMA-NonCSI	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
SGPMA - Rev Req for NEXT Year	Reg. Acct Filing 10/2017	Benefits	100.0%	0.4%	0.0%	11.9%	12.3%	0.0%	4.9%
Gain/Loss on Sale Memo Acct GLOSLMA	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Integrated Transmission Margin ITBA	Reg. Acct Filing 10/2017	CYTP	100.0%	29.9%	2.1%	17.7%	49.7%	4.1%	2.6%
Integrated Transmission Nonmargin ITBA	Reg. Acct Filing 10/2017	CYTP	100.0%	29.9%	2.1%	17.7%	49.7%	4.1%	2.6%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3		Total NonCore	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Allocation Method	Total %
	mmth/yr	Total EG							
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
On-Bill Financing Balancing Account (OBFBA)	1.3%	0.0%	2.5%	\$4	\$4	\$0	\$4	%EPAM	100.0%
Baseline Balance BA	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	100% Res	0.0%
CFCA -Margin Only (non-NGV)	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
CFCA -NGV only	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
CFCA -Nonmargin Other	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
CFCA -Nonmargin SCG	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
Environmental Fee Balance Account EFBA	11.5%	15.8%	22.6%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Disconnect Memorandum Account (DMA)	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	100% Res	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	32.4%	0.0%	37.5%	\$28	\$17	\$10	\$28	%CYPM	100.0%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - End User	0.8%	5.6%	10.4%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Green House Gas Balancing Account (GHGBA) - LUAF	20.2%	21.4%	23.3%	\$0	\$0	\$0	\$0	%AYTP	100.0%
FERC Settlement Proceeds MA	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	0.0%	\$0	\$0	\$0	\$0	ECPT-Core	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	45.1%	0.0%	52.0%	\$22	\$14	\$8	\$22	%AYTP	100.0%
Master Meter Balancing Account (MMBA)	1.3%	0.0%	2.5%	\$7	\$6	\$0	\$7	%EPAM	100.0%
Natural Gas Supp Refund Track Acct	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	11.5%	15.8%	22.6%	\$0	\$0	\$0	\$0	%AYTP	100.0%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
NFCA -Margin Only	49.6%	73.4%	100.0%	\$0	\$0	\$0	\$0	%EPAM	100.0%
NFCA -Nonmargin Other	86.7%	0.0%	100.0%	\$22	\$14	\$8	\$22	%AYTP	100.0%
NFCA -Nonmargin SCG	86.7%	0.0%	100.0%	\$217	\$136	\$81	\$217	%AYTP	100.0%
NGVA	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Non-Core Gas Storage Balancing Acct GSBA-NC	86.7%	0.0%	100.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
PBOPBA	1.3%	0.0%	2.5%	(\$4)	(\$3)	(\$0)	(\$4)	%EPAM	100.0%
Pension BA	1.3%	0.0%	2.5%	\$28	\$26	\$2	\$28	%EPAM	100.0%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	32.4%	0.0%	37.5%	\$7	\$5	\$3	\$7	%CYPM	100.0%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	2.7%	4.2%	6.0%	\$0	\$0	\$0	\$0	% HPD Peak Day	100.0%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	32.4%	0.0%	37.5%	\$54	\$34	\$20	\$54	%CYPM	100.0%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	2.7%	4.2%	6.0%	\$270	\$270	\$0	\$270	% HPD Peak Day	100.0%
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	32.4%	0.0%	37.5%	\$17	\$11	\$6	\$17	%CYPM	100.0%
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	2.7%	4.2%	6.0%	\$31	\$31	\$0	\$31	% HPD Peak Day	100.0%
RD&D 1-Way Bal Acct (Pre-2001)	45.1%	0.0%	52.0%	\$0	\$0	\$0	\$0	%AYTP	100.0%
Rewards & Penalties Bal Acct RPBA	1.3%	0.0%	2.5%	\$3	\$3	\$0	\$3	%EPAM	100.0%
Self Gen Memo Acct - SGPMA-CSI	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Self Gen Memo Acct - SGPMA-NonCSI	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
SGPMA - Rev Req for NEXT Year	82.8%	0.0%	87.7%	\$0	\$0	\$0	\$0	%ECPT	100.0%
Gain/Loss on Sale Memo Acct GLOSMA	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Integrated Transmission Margin ITBA	43.6%	0.0%	50.3%	\$13	\$8	\$5	\$13	%CYTP	100.0%
Integrated Transmission Nonmargin ITBA	43.6%	0.0%	50.3%	\$0	\$0	\$0	\$0	%CYTP	100.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	93.9%	6.1%	\$3	\$7	\$11	\$3	\$2	\$5	\$11
Baseline Balance BA	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -NGV only	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin Other	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin SCG	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	62.6%	37.4%	\$16	\$275	\$291	\$14	\$26	\$250	\$291
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	97.0%	3.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	62.6%	37.4%	\$14	\$235	\$249	\$12	\$21	\$216	\$249
Master Meter Balancing Account (MMBA)	93.9%	6.1%	\$6	\$13	\$19	\$6	\$4	\$9	\$19
Natural Gas Supp Refund Track Acct	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	62.6%	37.4%	\$14	\$238	\$252	\$12	\$21	\$220	\$252
NFCA -Nonmargin SCG	62.6%	37.4%	\$137	\$2,310	\$2,447	\$114	\$204	\$2,129	\$2,447
NGVA	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	93.9%	6.1%	(\$3)	(\$7)	(\$10)	(\$3)	(\$2)	(\$4)	(\$10)
Pension BA	93.9%	6.1%	\$25	\$52	\$77	\$25	\$17	\$35	\$77
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	62.6%	37.4%	\$4	\$73	\$77	\$4	\$7	\$66	\$77
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	100.0%	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	62.6%	37.4%	\$31	\$536	\$566	\$28	\$51	\$488	\$566
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	100.0%	0.0%	\$224	\$404	\$628	\$224	\$404	\$0	\$628
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	62.6%	37.4%	\$10	\$167	\$177	\$9	\$16	\$152	\$177
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	100.0%	0.0%	\$26	\$46	\$72	\$26	\$46	\$0	\$72
RD&D 1-Way Bal Acct (Pre-2001)	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	93.9%	6.1%	\$2	\$5	\$8	\$2	\$2	\$3	\$8
Self Gen Memo Acct - SGPMA-CSI	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	62.6%	37.4%	\$114	\$1,917	\$2,031	\$94	\$169	\$1,767	\$2,031
Gain/Loss on Sale Memo Acct GLOSMA	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	62.6%	37.4%	\$8	\$142	\$151	\$7	\$13	\$131	\$151
Integrated Transmission Nonmargin ITBA	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D 1	Tier 2	EG-D 2	Tier EG-T
Regulatory Accounts						
Adv Mtring Infrastructure Balancing Acct AMIBA	%EPAM	100.0%	32.1%		22.5%	45.4%
On-Bill Financing Balancing Account (OBFBA)	%EPAM	100.0%	32.1%		22.5%	45.4%
Baseline Balance BA	100% Res	0.0%	0.0%		0.0%	0.0%
CFCA -Margin Only (non-NGV)	ECPT-Core	0.0%	0.0%		0.0%	0.0%
CFCA -NGV only	ECPT-Core	0.0%	0.0%		0.0%	0.0%
CFCA -Nonmargin Other	ECPT-Core	0.0%	0.0%		0.0%	0.0%
CFCA -Nonmargin SCG	ECPT-Core	0.0%	0.0%		0.0%	0.0%
Environmental Fee Balance Account EFBA	ECPT excluding exempt EG	100.0%	22.7%		40.8%	36.5%
Disconnect Memorandum Account (DMA)	100% Res	0.0%	0.0%		0.0%	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	%EPAM	100.0%	32.1%		22.5%	45.4%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	%CYPM	100.0%	5.0%		8.9%	86.1%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	%AYTP	100.0%	4.7%		8.3%	87.0%
Green House Gas Balancing Account (GHGBA) - End User	ECPT excluding exempt EG	100.0%	71.1%		14.1%	14.7%
Green House Gas Balancing Account (GHGBA) - LUAF	%AYTP	100.0%	4.7%		8.3%	87.0%
FERC Settlement Proceeds MA	%EPAM	100.0%	32.1%		22.5%	45.4%
Core Gas Storage Balancing Acct. GSBA-C	ECPT-Core	0.0%	0.0%		0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	%AYTP	100.0%	4.7%		8.3%	87.0%
Master Meter Balancing Account (MMBA)	%EPAM	100.0%	32.1%		22.5%	45.4%
Natural Gas Supp Refund Track Acct	%AYTP	100.0%	4.7%		8.3%	87.0%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	ECPT excluding exempt EG	100.0%	22.7%		40.8%	36.5%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	%EPAM	100.0%	32.1%		22.5%	45.4%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	%EPAM	100.0%	32.1%		22.5%	45.4%
NFCA -Margin Only	%EPAM	100.0%	32.1%		22.5%	45.4%
NFCA -Nonmargin Other	%AYTP	100.0%	4.7%		8.3%	87.0%
NFCA -Nonmargin SCG	%AYTP	100.0%	4.7%		8.3%	87.0%
NGVA	%AYTP	100.0%	4.7%		8.3%	87.0%
Non-Core Gas Storage Balancing Acct GSBA-NC	%AYTP	100.0%	4.7%		8.3%	87.0%
PBOPBA	%EPAM	100.0%	32.1%		22.5%	45.4%
Pension BA	%EPAM	100.0%	32.1%		22.5%	45.4%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	%CYPM	100.0%	5.0%		8.9%	86.1%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	% HPD Peak Day	100.0%	35.7%		64.3%	0.0%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	%CYPM	100.0%	5.0%		8.9%	86.1%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	% HPD Peak Day	100.0%	35.7%		64.3%	0.0%
Safety Enhancement Expense Balancing Account (SEEBA) - Local Transmission	%CYPM	100.0%	5.0%		8.9%	86.1%
Safety Enhancement Expense Balancing Account (SEEBA) - Distribution	% HPD Peak Day	100.0%	35.7%		64.3%	0.0%
RD&D 1-Way Bal Acct (Pre-2001)	%AYTP	100.0%	4.7%		8.3%	87.0%
Rewards & Penalties Bal Acct RPBA	%EPAM	100.0%	32.1%		22.5%	45.4%
Self Gen Memo Acct - SGPMA-CSI	%EPAM	100.0%	32.1%		22.5%	45.4%
Self Gen Memo Acct - SGPMA-NonCSI	%EPAM	100.0%	32.1%		22.5%	45.4%
SGPMA - Rev Req for NEXT Year	%ECPT	100.0%	4.7%		8.3%	87.0%
Gain/Loss on Sale Memo Acct GLOSMA	%EPAM	100.0%	32.1%		22.5%	45.4%
Integrated Transmission Margin ITBA	%CYTP	100.0%	4.7%		8.3%	87.0%
Integrated Transmission Nonmargin ITBA	%CYTP	100.0%	4.7%		8.3%	87.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	%EPAM	100.0%	32.1%		22.5%	45.4%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's			Res	NGV	Core C&I	Total Core
GRCRRMA Sub allocation for AB32 Admin Fees	N	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	Y	\$1,601	\$822	\$75	\$598	\$1,495
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Y	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	Y	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts		\$59,691	\$34,967	\$1,130	\$17,056	\$53,153
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr			\$290,025	\$3,515	\$63,002	\$356,543
AVERAGE YEAR THROUGHPUT, Mth/yr			313,234	24,129	194,777	532,140
Average Rate \$/th			\$0.92590	\$0.14570	\$0.32346	\$0.67002
FFU Rate			102.29%	102.29%	102.29%	102.29%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memorandum Account	\$143	\$0	\$0	\$0	\$143	\$1,638	\$37	\$1,601
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$862	\$632	\$6,414	\$7,046	\$7,908	\$61,061	\$1,370	\$59,691
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$3,461	\$2,789	\$16,566	\$19,356	\$22,816	\$379,359		
AVERAGE YEAR THROUGHPUT, Mth/yr	46,945	29,736	500,494	530,230	577,175	1,109,315		
Average Rate \$/th	\$0.07371	\$0.09381	\$0.03310	\$0.03650	\$0.03953	\$0.34198		
FFU Rate	102.29%	102.29%	102.29%	102.29%	102.29%	102.29%		

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
GRCRRMA Sub allocation for AB32 Admin Fees	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%
CSI Thermal Program memoradum Account	Reg. Acct Filing 10/2017	ECPT ex CARE, EG, Cost. Exempt	100.0%	50.2%	4.6%	36.5%	91.3%	8.7%	0.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%
Z-Factor Memorandum Account	Reg. Acct Filing 10/2017	EPAM	100.0%	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%

Total Regulatory Accounts

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

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate MISC Inputs

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3		Total	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Allocation Method	Total %
	mmth/yr	Total EG	NonCore						
GRCRRMA Sub allocation for AB32 Admin Fees	11.5%	15.8%	22.6%	\$0	\$0	\$0	\$0	%AYTP	100.0%
CSI Thermal Program memorandum Account	0.0%	0.0%	8.7%	\$143	\$87	\$56	\$143	% AYTP CSITMA NonExempt	100.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Z-Factor Memorandum Account	1.3%	0.0%	2.5%	\$0	\$0	\$0	\$0	%EPAM	100.0%
Total Regulatory Accounts				\$862	\$661	\$200	\$862		
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr				\$3,461	\$2,901	\$559	\$3,461		
AVERAGE YEAR THROUGHPUT, Mth/yr				46,945	29,376	17,569	46,945		
Average Rate \$/th				\$0.07371	\$0.09876	\$0.03184	\$0.07371		
FFU Rate				102.29%	102.29%	102.29%			

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
GRCRRMA Sub allocation for AB32 Admin Fees	62.6%	37.4%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	60.8%	39.2%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	93.9%	6.1%	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts			\$632	\$6,414	\$7,046	\$577	\$1,001	\$5,468	\$7,046
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr			\$2,789	\$16,566	\$19,356	\$2,660	\$2,844	\$13,851	\$19,356
AVERAGE YEAR THROUGHPUT, Mth/yr			29,736	500,494	530,230	24,662	44,206	461,363	530,230
Average Rate \$/th			\$0.09381	\$0.03310	\$0.03650	\$0.10787	\$0.06434	\$0.03002	\$0.03650
FFU Rate			102.29%	102.29%	102.29%	102.29%	102.29%	102.29%	102.29%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D	Tier	EG-D	Tier
			1	2	EG-T	
GRCRRMA Sub allocation for AB32 Admin Fees	ECPT excluding exempt EG	100.0%	22.7%	40.8%	36.5%	
CSI Thermal Program memorandum Account	%AYTP	100.0%	4.7%	8.3%	87.0%	
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	%EPAM	100.0%	32.1%	22.5%	45.4%	
Z-Factor Memorandum Account	%EPAM	100.0%	32.1%	22.5%	45.4%	

Total Regulatory Accounts

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

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$290,025	\$3,515	\$63,002	\$356,543
SW NGV Adjustment		\$294		\$294
SW EG Adjustment				\$0
TLS Adjustment				
Amount allocated to TLS Class \$000				\$0
TLS revenue paid by class @ average TLS rate \$000				\$0
	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$290,025	\$3,809	\$63,002	\$356,836
<i>Rate Tables</i>	<i>\$290,025</i>	<i>\$3,809</i>	<i>\$63,002</i>	<i>\$356,836</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	313,234	24,129	194,777	532,140
Average Rate w/oBTS \$/th	\$0.92590	\$0.15786	\$0.32346	\$0.67057
<i>Rate Tables</i>	<i>\$0.92590</i>	<i>\$0.15786</i>	<i>\$0.32346</i>	<i>\$0.67057</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
BTS w/FFU Charge \$000	\$9,140	\$642	\$5,409	\$15,191
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$299,165	\$4,451	\$68,411	\$372,027
Average Rate w/ BTS \$/th	\$0.95508	\$0.18448	\$0.35123	\$0.69911
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	77.4%	0.8%	14.2%	92.4%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	83.0%	0.7%	13.8%	97.5%
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	76.5%	0.9%	16.6%	94.0%
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	76.3%	1.0%	16.6%	93.9%

Calculation of Allocation Factors

Customers
 AYTP
 AYTP Distribution Only
 CYTP
 CYPM
 CYPM Dist Only
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
 EPMC Dist Only
 Cumulative HPD Peak Day
 Cumulative HPD Peak Day
 AYTP Mth/yr
 exempt volumes Mth/yr
 AYTP NonExempt Volumes Mth/yr
 File = 2020 TCAP SDGE RD Model

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$3,461			\$19,356	\$22,816	\$379,359
SW NGV Adjustment					\$0	\$294
SW EG Adjustment				\$994	\$994	\$994
TLS Adjustment						
Amount allocated to TLS Class \$000	(\$559)			(\$13,851)	(\$14,410)	(\$14,410)
TLS revenue paid by class @ average TLS rate \$000	\$569			\$13,123	\$13,692	\$13,692
	\$10			(\$728)	(\$719)	(\$719)
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$3,470			\$19,621	\$23,092	\$379,928
<i>Rate Tables difference</i>	<i>\$3,470</i>			<i>\$19,621</i>	<i>\$23,092</i>	<i>\$379,928</i>
	\$0			\$0	\$0	\$0
AYTP Mth/yr	46,945			530,230	577,175	1,109,315
Average Rate w/oBTS \$/th	\$0.07392			\$0.03701	\$0.04001	\$0.34249
<i>Rate Tables difference</i>	<i>\$0.07392</i>			<i>\$0.03701</i>	<i>\$0.04001</i>	<i>\$0.34249</i>
	\$0.00000			\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$1,249	\$791	\$13,321	\$14,112	\$15,361	\$30,553
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$4,720			\$33,733	\$38,453	\$410,480
Average Rate w/ BTS \$/th	\$0.10053			\$0.06362	\$0.06662	\$0.37003
Effective Allocation %'s:						
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	1.0%	0.8%	5.8%	6.6%	7.6%	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	0.7%	0.6%	1.3%	1.9%	2.5%	100.0%
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	0.9%	0.7%	4.4%	5.1%	6.0%	100.0%
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	0.9%	0.0%	0.0%	5.2%	6.1%	100.0%

Calculation of Allocation Factors

- # Customers
- AYTP
- AYTP Distribution Only
- CYTP
- CYPM
- CYPM Dist Only
- Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
- EPMC Dist Only
- Cumulative HPD Peak Day
- Cumulative HPD Peak Day
- AYTP Mth/yr
- exempt volumes Mth/yr
- AYTP NonExempt Volumes Mth/yr
- File = 2020 TCAP SDGE RD Model

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

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

Customers
 AYTP
 AYTP Distribution Only
 CYTP
 CYPM
 CYPM Dist Only
 Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
 EPMC Dist Only
 Cumulative HPD Peak Day
 Cumulative HPD Peak Day
 AYTP Mth/yr
 exempt volumes Mth/yr
 AYTP NonExempt Volumes Mth/yr
 File = 2020 TCAP SDGE RD Model

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore	NCCI Total	NCCI-D	NCCI-T	NCCI Total	Allocation Method	Total %
Sempra Wide & TLS Adjustments::									
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr				\$3,461	\$2,901	\$559	\$3,461		
SW NGV Adjustment									
SW EG Adjustment									
TLS Adjustment									
Amount allocated to TLS Class \$000				(\$559)		(\$559)	(\$559)		
TLS revenue paid by class @ average TLS rate \$000				\$569		\$569	\$569		
<hr/>									
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr				\$3,470	\$2,901	\$569	\$3,470		
<hr/>									
Rate Tables difference						\$569			
<hr/>									
AYTP Mth/yr				46,945	29,376	17,569	46,945		
Average Rate w/oBTS \$/th				\$0.07392	\$0.09876	\$0.03239	\$0.07392		
<hr/>									
Rate Tables difference									
<hr/>									
BTS w/FFU Charge \$000				\$1,249	\$782	\$468	\$1,249	%CYTP	100.0%
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr				\$4,710	\$3,683	\$1,027	\$4,710		
Average Rate w/ BTS \$/th				\$0.10033	\$0.12537	\$0.05845	\$0.10033		
<hr/>									
Effective Allocation %'s:									
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU									
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr									
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr									

Calculation of Allocation Factors

Calculation of Allocation Factors	NCCI Total	NCCI-D	NCCI-T	Source	Allocation Method	Total %
# Customers	53	44	9	Alloc factors	%Customers	100.0%
AYTP	46,945	29,376	17,569	Alloc factors	%AYTP	100.0%
AYTP Distribution Only						
CYTP	46,945	29,376	17,569	Alloc factors	%CYTP	100.0%
CYPM	3,947	2,470	1,477	Alloc factors	%CYPM	100.0%
CYPM Dist Only	2,470	2,470	0		%CYPM Dist Only	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$1,956	\$1,838	\$118		%EPAM	100.0%
EPMC Dist Only						
Cumulative HPD Peak Day						
Cumulative HPD Peak Day						
AYTP Mth/yr	46,945	29,376	17,569			
exempt volumes Mth/yr	(2,083)	(2,083)	0	Alloc factors		
AYTP NonExempt Volumes Mth/yr	44,862	27,293	17,569		% AYTP CSITMA NonExempt	100.0%
File = 2020 TCAP SDGE RD Model					Tab = Cost Alloc	

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Sempra Wide & TLS Adjustments::									
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr						\$2,660	\$2,844	\$13,851	
SW NGV Adjustment									
SW EG Adjustment						\$578	\$416	\$994	
TLS Adjustment									
Amount allocated to TLS Class \$000								(\$13,851)	
TLS revenue paid by class @ average TLS rate \$000								\$13,123	
								(\$728)	
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr						\$3,238	\$3,261	\$13,123	
Rate Tables difference						\$3,238	\$3,261	\$13,123	
						\$0	\$0	\$0	

AYTP Mth/yr
Average Rate w/oBTS \$/th

Rate Tables difference	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
BTS w/FFU Charge \$000	62.6%	37.4%	\$791	\$13,321	\$14,112	\$656	\$1,177	\$12,279	\$14,112
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr			\$3,581	\$29,887	\$33,468	\$3,317	\$4,021	\$26,130	\$33,468
Average Rate w/ BTS \$/th						\$0.13448	\$0.09096	\$0.05664	

Effective Allocation %'s:

Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr

Calculation of Allocation Factors	NCCI-D	NCCI-T	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T
# Customers	83.0%	17.0%	90	69	6	15
AYTP	62.6%	37.4%	530,230	24,662	44,206	461,363
AYTP Distribution Only			68,867	24,662	44,206	0
CYTP	62.6%	37.4%	530,230	24,662	44,206	461,363
CYPM	62.6%	37.4%	41,419	2,053	3,696	35,670
CYPM Dist Only	100.0%	0.0%	5,749	2,053	3,696	0
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	93.9%	6.1%	\$5,401	\$1,733	\$1,214	\$2,454
EPMC Dist Only			\$2,947	\$1,733	\$1,214	\$0
Cumulative HPD Peak Day			185	66	119	0
Cumulative HPD Peak Day						
AYTP Mth/yr						
exempt volumes Mth/yr						
AYTP NonExempt Volumes Mth/yr	60.8%	39.2%				

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D 1	Tier 2	EG-D Tier 2	EG-T
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr						
SW NGV Adjustment						
SW EG Adjustment						
TLS Adjustment						
Amount allocated to TLS Class \$000						
TLS revenue paid by class @ average TLS rate \$000						
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr						
<i>Rate Tables difference</i>						
AYTP Mth/yr						
Average Rate w/oBTS \$/th						
<i>Rate Tables difference</i>						
BTS w/FFU Charge \$000	%CYTP	100.0%	4.7%	8.3%		87.0%
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr						
Average Rate w/ BTS \$/th						
Effective Allocation %'s:						
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU						
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr						
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr						

Calculation of Allocation Factors	Allocation Method	Total %	1	2	EG-T
# Customers	%Customers	100.0%	76.7%	6.7%	16.7%
AYTP	%AYTP	100.0%	4.7%	8.3%	87.0%
AYTP Distribution Only	%AYTP Dist Only	100.0%	35.8%	64.2%	0.0%
CYTP	%CYTP	100.0%	4.7%	8.3%	87.0%
CYPM	%CYPM	100.0%	5.0%	8.9%	86.1%
CYPM Dist Only	%CYPM Dist Only	100.0%	35.7%	64.3%	0.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	%EPAM	100.0%	32.1%	22.5%	45.4%
EPMC Dist Only	EPAM Dist Only	100.0%	58.8%	41.2%	0.0%
Cumulative HPD Peak Day	%HPD Peak Day	100.0%	35.7%	64.3%	0.0%
Cumulative HPD Peak Day					
AYTP Mth/yr					
exempt volumes Mth/yr					
AYTP NonExempt Volumes Mth/yr					
File = 2020 TCAP SDGE RD Model					

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's

Res

NGV

Core C&I

Total Core

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y

Less: AB32Fees Exempt Customers Mth/y

AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y

Current

Less: AB32Fees Exempt Customers Mth/y

Proposed

Less: AB32Fees Exempt Customers Mth/y

GHG Fee Adder

AYTP Mth/yr all customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

GHG Fee Adder Current

Less: GHG Charge Exempt Customers Mth/y

GHG Fee Adder Proposed

Less: GHG Charge Exempt Customers Mth/y

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
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Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y

Less: AB32Fees Exempt Customers Mth/y

AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y

Current

Less: AB32Fees Exempt Customers Mth/y

Proposed

Less: AB32Fees Exempt Customers Mth/y

GHG Fee Adder

AYTP Mth/yr all customers Mth/y

Less: GHG Charge Exempt Customers Mth/y

AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

GHG Fee Adder Current

Less: GHG Charge Exempt Customers Mth/y

GHG Fee Adder Proposed

Less: GHG Charge Exempt Customers Mth/y

SDG&E Cost Allocation

Allocation %

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
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Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y
 Less: AB32Fees Exempt Customers Mth/y
 AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y
 Current
 Less: AB32Fees Exempt Customers Mth/y
 Proposed
 Less: AB32Fees Exempt Customers Mth/y

GHG Fee Adder

AYTP Mth/yr all customers Mth/y
 Less: GHG Charge Exempt Customers Mth/y
 AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y

GHG Fee Adder Current

Less: GHG Charge Exempt Customers Mth/y

GHG Fee Adder Proposed

Less: GHG Charge Exempt Customers Mth/y

SDG&E Cost Allocation

NCCI Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	EG>=3		Total NonCore	NCCI Allocation				Allocation Method	Total %
	mmth/yr	Total EG		NCCI Total	NCCI-D	NCCI-T	NCCI Total		
Allocator for California Air Resources Board AB 32 Admin Fee:									
AYTP Mth/yr all customers Mth/y									
Less: AB32Fees Exempt Customers Mth/y									
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y									
Current									
Less: AB32Fees Exempt Customers Mth/y									
Proposed									
Less: AB32Fees Exempt Customers Mth/y									
GHG Fee Adder									
AYTP Mth/yr all customers Mth/y				46,945	29,376	17,569			
Less: GHG Charge Exempt Customers Mth/y				(18,389)	(1,682)	(16,707)			
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y				28,556	27,694	862	% AYTPGHG NonExempt	100.0%	
GHG Fee Adder Current									
Less: GHG Charge Exempt Customers Mth/y				(17,918)	(1,592)	(16,326)			
GHG Fee Adder Proposed									
Less: GHG Charge Exempt Customers Mth/y				(18,389)	(1,682)	(16,707)			

SDG&E Cost Allocation

EG Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI-D	NCCI-T	EG Tier 1	EG Tier 2	EG Total	EG-D Tier 1	EG-D Tier 2	EG-T	EG Total
Allocator for California Air Resources Board AB 32 Admin Fee:									
AYTP Mth/yr all customers Mth/y					530,230	24,662	44,206	461,363	
Less: AB32Fees Exempt Customers Mth/y					(421,881)	(102)	0	(421,779)	
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y					108,350	24,560	44,206	39,584	
Current									
Less: AB32Fees Exempt Customers Mth/y					(481,330)	(1,535)	0	(479,795)	
Proposed									
Less: AB32Fees Exempt Customers Mth/y					(421,881)	(102)	0	(421,779)	
GHG Fee Adder									
AYTP Mth/yr all customers Mth/y					530,230	24,662	44,206	461,363	
Less: GHG Charge Exempt Customers Mth/y					(497,259)	(1,212)	(39,541)	(456,506)	
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	97.0%	3.0%			32,971	23,450	4,665	4,857	
GHG Fee Adder Current									
Less: GHG Charge Exempt Customers Mth/y					(641,551)	(944)	(68,514)	(572,093)	
GHG Fee Adder Proposed									
Less: GHG Charge Exempt Customers Mth/y					(497,259)	(1,212)	(39,541)	(456,506)	

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Allocation Method	Total %	EG-D 1	Tier 2	EG-D 2	Tier EG-T
Allocator for California Air Resources Board AB 32 Admin Fee:						
AYTP Mth/yr all customers Mth/y						
Less: AB32Fees Exempt Customers Mth/y						
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	% ECPT AB32 Fee Non-Exemp	100.00%	22.7%		40.8%	36.5%
Current						
Less: AB32Fees Exempt Customers Mth/y						
Proposed						
Less: AB32Fees Exempt Customers Mth/y						
GHG Fee Adder						
AYTP Mth/yr all customers Mth/y						
Less: GHG Charge Exempt Customers Mth/y						
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	% ECPT GHG Fee Non-Exemp	100.00%	71.1%		14.1%	14.7%
GHG Fee Adder Current						
Less: GHG Charge Exempt Customers Mth/y						
GHG Fee Adder Proposed						
Less: GHG Charge Exempt Customers Mth/y						

SDGE Allocation Factors

2020 TCAP Application

	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System
DIRECT (%s Load or Cust/Mtrs Sum to 100%)										
Transmission										
Average Year Throughput (MTh)	0	0	0	0	17,569	5,074	456,289	461,363	478,932	478,932
Cold Year Throughput (1-in-35) (MTh)	0	0	0	0	17,569	5,074	456,289	461,363	478,932	478,932
Cold Year Peak Month (December) (MTh)	0	0	0	0	1,477	191	35,479	35,670	37,147	37,147
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	0	0	0	0	48	6	1,684	1,690	1,738	1,738
Number of Customers	0	0	0	0	9	3	12	15	24	24
High Pressure										
Average Year Throughput (MTh)	67	8,874	3,116	12,057	7,497	3,531	36,209	39,740	47,237	59,294
Cold Year Throughput (1-in-35) (MTh)	74	8,874	3,251	12,199	7,497	3,531	36,209	39,740	47,237	59,436
Cold Year Peak Month (December) (MTh)	11	721	373	1,105	630	287	3,027	3,314	3,944	5,049
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	23	18	42	20	9	98	107	127	169
Number of Customers	2	4	5	11	9	5	4	9	18	29
Medium Pressure										
Average Year Throughput (MTh)	313,167	15,255	191,661	520,083	21,879	21,131	7,997	29,127	51,006	571,089
Cold Year Throughput (1-in-35) (MTh)	343,334	15,255	199,985	558,574	21,879	21,131	7,997	29,127	51,006	609,580
Cold Year Peak Month (December) (MTh)	50,177	1,239	22,957	74,374	1,839	1,767	669	2,435	4,275	78,649
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,943	40	1,098	4,081	59	57	22	79	138	4,219
Number of Customers	874,065	24	30,932	905,021	35	64	2	66	101	905,122
CUMULATIVE (Calc'd from DIRECT %s)										
Transmission										
Average Year Throughput (MTh)	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
Cold Year Throughput (1-in-35) (MTh)	343,408	24,129	203,236	570,773	46,945	29,736	500,494	530,230	577,175	1,147,948
Cold Year Peak Month (December) (MTh)	50,188	1,960	23,331	75,479	3,947	2,244	39,175	41,419	45,366	120,845
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,944	63	1,115	4,123	127	72	1,803	1,876	2,003	6,126
Number of Customers	874,067	28	30,937	905,032	53	72	18	90	143	905,175
High Pressure										
Average Year Throughput (MTh)	313,234	24,129	194,777	532,140	29,376	24,662	44,206	68,867	98,243	630,384
Cold Year Throughput (1-in-35) (MTh)	343,408	24,129	203,236	570,773	29,376	24,662	44,206	68,867	98,243	669,016
Cold Year Peak Month (December) (MTh)	50,188	1,960	23,331	75,479	2,470	2,053	3,696	5,749	8,219	83,698
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,944	63	1,115	4,123	80	66	119	185	265	4,388
Number of Customers	874,067	28	30,937	905,032	44	69	6	75	119	905,151
Medium Pressure										
Average Year Throughput (MTh)	313,167	15,255	191,661	520,083	21,879	21,131	7,997	29,127	51,006	571,089
Cold Year Throughput (1-in-35) (MTh)	343,334	15,255	199,985	558,574	21,879	21,131	7,997	29,127	51,006	609,580
Cold Year Peak Month (December) (MTh)	50,177	1,239	22,957	74,374	1,839	1,767	669	2,435	4,275	78,649
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,943	40	1,098	4,081	59	57	22	79	138	4,219
Number of Customers	874,065	24	30,932	905,021	35	64	2	66	101	905,122
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$241,272	\$1,911	\$40,147	\$283,329	\$1,956	\$1,751	\$3,651	\$5,401	\$7,357	\$290,686

SDGE Allocation Factors

2020 TCAP Application

	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System
Calculation of Allocation Factors:										
Cumulative Transmission # Customers	874,067	28	30,937	905,032	53	72	18	90	143	905,175
Cumulative Transmission AYTP Mth/yr	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
AYTP System	28.2%	2.2%	17.6%	48.0%	4.2%	2.7%	45.1%		52.0%	100.0%
AYTP Core	58.9%	4.5%	36.6%	100.0%					-	100.0%
AYTP Core Non NGV	61.7%	0.0%	38.3%	100.0%					-	100.0%
AYTP Noncore				-	8.1%	5.2%	86.7%		100.0%	100.0%
AYTP Core & NonCore Distribution Only:										
System Total Mth/yr	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
Less NonCore Transmission Mth/yr					(17,569)	(5,074)	(456,289)	(461,363)	(478,932)	(478,932)
AYTP Core & NonCore Distribution Only	313,234	24,129	194,777	532,140	29,376	24,662	44,206	68,867	98,243	630,384
%AYTP Core & NonCore Distribution	49.7%	3.8%	30.9%	84.4%	4.7%	3.9%	7.0%	10.9%	15.6%	100.0%
Cumulative Transmission CYTP Mth/yr	343,408	24,129	203,236	570,773	46,945	29,736	500,494	530,230	577,175	1,147,948
CYTP System	29.9%	2.1%	17.7%	49.7%	4.1%	2.6%	43.6%		50.3%	100.0%
Cumulative Transmission CYPM Mth/mo	50,188	1,960	23,331	75,479	3,947	2,244	39,175	41,419	45,366	120,845
CYCPM System Total	41.5%	1.6%	19.3%	62.5%	3.3%	1.9%	32.4%		37.5%	100.0%
CYPM Core Only	66.5%	2.6%	30.9%	100.0%				0.0%	0.0%	100.0%
CYPM Noncore Only				0.0%	8.7%	4.9%	86.4%	91.3%	100.0%	100.0%
CYPM EG-T Only mth/mo						191	35,479	35,670	35,670	35,670
% CYPM EG-T Only						0.5%	99.5%	100.0%	100.0%	100.0%
Cumulative Transmission Peak Day Mth/day	2,944	63	1,115	4,123	127	72	1,803	1,876	2,003	6,126
PDD System Total	48.1%	1.0%	18.2%	67.3%	2.1%	1.2%	29.4%		32.7%	100.0%
Cumulative HP Distribution Peak Day Mth/day	2,944	63	1,115	4,123	80	66	119	185	265	4,388
CYPM System Total	67.1%	1.4%	25.4%	94.0%	1.8%	1.5%	2.7%	4.2%	6.0%	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$241,272	\$1,911	\$40,147	\$283,329	\$1,956	\$1,751	\$3,651	\$5,401	\$7,357	\$290,686
EPAM All	83.0%	0.7%	13.8%	97.5%	0.7%	0.6%	1.3%		2.5%	100.0%
Core EPAM	85.2%	0.7%	14.2%	100.0%					-	100.0%
NonCore EPAM					26.6%	23.8%	49.6%	73.4%	100.0%	100.0%
LUAF Allocator:										
Method #1 = Based on 2007 Rates:										
LUAF in 2007 Rates	\$827	\$10	\$329	\$1,167	\$219	\$428	\$1,849	\$2,277	\$2,496	\$3,663
% 2007 UAF Allocation	22.6%	0.3%	9.0%	31.9%	6.0%	11.7%	50.5%	62.2%	68.1%	100.0%
Method #2 - 65% core @ ECPT / 35% noncore @ ECPT: NOT USED										
Core ECPT	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
NonCore ECPT	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%	86.7%	0.0%	100.0%	100.0%
% Core	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%
% Noncore	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%
% LUAF Allocation	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%	20.2%	21.4%	23.3%	100.0%
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct	2,943	40	1,098	4,081	59	57	22	79	138	4,219
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh) Direct Res & CCI	2,943		1,098	4,041				0	0	4,041
% CYPD MP Res & CCI	72.8%	0.0%	27.2%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

SDGE Allocation Factors

2020 TCAP Application

	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System
Method #3 -76.7% core @ ECPT / 23.3% noncore @ ECPT USED										
Core ECPT	58.9%	4.5%	36.6%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
NonCore ECPT	0.0%	0.0%	0.0%	0.0%	8.1%	5.2%	86.7%	0.0%	100.0%	100.0%
% Core	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%
% Noncore	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%	23.3%
% LUAF Allocation	45.2%	3.5%	28.1%	76.7%	1.9%	1.2%	20.2%	21.4%	23.3%	100.0%

Calculation of CAT allocation:

AYTP Core Transport Mth/yr	2,253	16,697	39,978	58,928	0	0	0	0	0	58,928
CAT allocation	3.8%	28.3%	67.8%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
	310,981	7,431	154,800	473,212						

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

AYTP Mth/yr all customers Mth/y	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
CARE Participants Mth/y	(54,559)	(546)	0	(55,104)	0	0	0	0	0	(55,104)
FERA Participants Mth/y	0	0	0	0	0	0	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EG Exempt Mth/y	0	0	0	0	0	(29,736)	(500,494)	(530,230)	(530,230)	(530,230)
Constitutionally Exempt Mth/y	(353)	0	(6,818)	(7,171)	(2,083)	0	0	0	(2,083)	(9,254)
AYTP Mth/yr excl CARE Participant & EOR Mth/y	258,322	23,583	187,959	469,864	44,862	0	0	0	44,862	514,726
% ECPT excl CARE, FERA, SGIP, EG, Constitutional Exempt	50.2%	4.6%	36.5%	91.3%	8.7%	0.0%	0.0%	0.0%	8.7%	100.0%
CSI Thermal Program memoradum Account (\$000)										\$1,638
CSITMA Adder to Volumetric Rate										\$0.00318

Allocator for California Air Resources Board AB 32 Admin Fee:

AYTP Mth/yr all customers Mth/y	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	(345)	(421,536)	(421,881)	(421,881)	(421,881)
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	313,234	24,129	194,777	532,140	46,945	29,391	78,959	108,350	155,294	687,435
% ECPT AB32 Fee Non-Exempt	45.6%	3.5%	28.3%	77.4%	6.8%	4.3%	11.5%	15.8%	22.6%	100.0%

Allocator for GHG charge:

AYTP Mth/yr all customers Mth/y	313,234	24,129	194,777	532,140	46,945	29,736	500,494	530,230	577,175	1,109,315
Less: GHG Charge Exempt Customers Mth/y	0	0	0	0	(18,389)	(1,429)	(495,830)	(497,259)	(515,648)	(515,648)
AYTP Mth/yr GHG Charge Non-Exempt Customers Mth/y	313,234	24,129	194,777	532,140	28,556	28,307	4,665	32,971	61,527	593,667
% ECPT GHG Fee Non-Exempt	52.8%	4.1%	32.8%	89.6%	4.8%	4.8%	0.8%	5.6%	10.4%	100.0%

Allocator for SGPMA (TCAP Proposal):

3 Year Total Program Participation					Direct ECPT	\$6,900,054	-			
%SGPMA	\$34,564		\$936,060	\$970,624		\$386,964	\$6,513,090			
	0.4%	0.0%	11.9%	12.3%	0.0%	4.9%	82.8%	0.0%	87.7%	100.0%

OLD DIRECT Demand Forecast

Transmission										
Average Year Throughput (MTh)	0	0	0	0	17,168	2,071	572,004	574,075	591,243	591,243
Cold Year Throughput (1-in-35) (MTh)	0	0	0	0	17,168	2,071	572,004	574,075	591,243	591,243
Cold Year Peak Month (December) (MTh)	0	0	0	0	1,516	166	53,795	53,961	55,477	55,477
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	0	0	0	0	49	19	1,968	1,987	2,036	2,036
Number of Customers	0	0	0	0	10	5	13	18	27	27
High Pressure										
Average Year Throughput (MTh)	93	11,340	3,429	14,862	7,630	4,914	68,276	73,190	80,820	95,681
Cold Year Throughput (1-in-35) (MTh)	102	11,340	3,561	15,003	7,630	4,914	68,276	73,190	80,820	95,823
Cold Year Peak Month (December) (MTh)	15	984	383	1,382	674	388	5,744	6,133	6,806	8,188
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	32	17	49	22	22	185	207	229	278
Number of Customers	1	8	6	15	9	6	5	11	20	35
Medium Pressure										
Average Year Throughput (MTh)	319,890	7,162	179,231	506,282	20,177	14,297	8,320	22,617	42,794	549,076
Cold Year Throughput (1-in-35) (MTh)	354,096	7,162	186,126	547,383	20,177	14,297	8,320	22,617	42,794	590,177
Cold Year Peak Month (December) (MTh)	51,518	622	19,998	72,138	1,781	1,203	700	1,903	3,684	75,822
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,911	20	879	3,810	57	39	23	61	119	3,928
Number of Customers	884,623	30	30,259	914,912	33	40	2	42	75	914,987

NEW DIRECT Demand Forecast

Transmission										
Average Year Throughput (MTh)	0	0	0	0	17,569	5,074	456,289	461,363	478,932	478,932
Cold Year Throughput (1-in-35) (MTh)	0	0	0	0	17,569	5,074	456,289	461,363	478,932	478,932
Cold Year Peak Month (December) (MTh)	0	0	0	0	1,477	191	35,479	35,670	37,147	37,147
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	0	0	0	0	48	6	1,684	1,690	1,738	1,738
Number of Customers	0	0	0	0	18	2	15	15	24	24

SDGE Allocation Factors

2020 TCAP Application

	Res	NGV	Core C&I	Total Core	Non Core C&I	EG Tier 1	EG Tier 2	Total EG	Total Non Core	Total System
High Pressure										
Average Year Throughput (MTh)	67	8,874	3,116	12,057	7,497	3,531	36,209	39,740	47,237	59,294
Cold Year Throughput (1-in-35) (MTh)	74	8,874	3,251	12,199	7,497	3,531	36,209	39,740	47,237	59,436
Cold Year Peak Month (December) (MTh)	11	721	373	1,105	630	287	3,027	3,314	3,944	5,049
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	1	23	18	42	20	9	98	107	127	169
Number of Customers	2	4	5	11	9	5	4	9	18	29
Medium Pressure										
Average Year Throughput (MTh)	313,167	15,255	191,661	520,083	21,879	21,131	7,997	29,127	51,006	571,089
Cold Year Throughput (1-in-35) (MTh)	343,334	15,255	199,985	558,574	21,879	21,131	7,997	29,127	51,006	609,580
Cold Year Peak Month (December) (MTh)	50,177	1,239	22,957	74,374	1,839	1,767	669	2,435	4,275	78,649
Peak Day (1-in-35 Core; 1-in-10 Noncore) (MTh)	2,943	40	1,098	4,081	59	57	22	79	138	4,219
Number of Customers	874,065	24	30,932	905,021	35	64	2	66	101	905,122

Old Demand Forecast

CAT Customers:										
AYTP Core Transport Mth/yr	2,764	11,765	35,463	49,992	0	0	0	0	0	49,992

New Demand Forecast

CAT Customers:										
AYTP Core Transport Mth/yr	2,253	16,697	39,978	58,928	0	0	0	0	0	58,928

Calculation of LUAF Allocator:

% Core	
Old TCAP	% Core
	76.71%
New TCAP	% Core
	76.71%

Allocator for GHG charge:

Current										
Less: GHG Charge Exempt Customers Mth/y	0	0	0	0	(17,918)	(1,033)	(640,518)	(641,551)	(659,469)	(659,469)
Proposed										
Less: GHG Charge Exempt Customers Mth/y	0	0	0	0	(18,389)	(1,429)	(495,830)	(497,259)	(515,648)	(515,648)

345.2333333

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

Current										
CARE Participants Mth/y	(61,319)	0	0	(61,319)	0	0	0	0	0	(61,319)
FERA Participants Mth/y	0	0	0	0	0	0	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EG Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
Constitutionally Exempt Mth/y	(615)	(7,093)	(11)	(7,719)	(2,653)	0	0	0	(2,653)	(10,372)
Proposed										
CARE Participants Mth/y	(54,559)	(546)	0	(55,104)	0	0	0	0	0	(55,104)
FERA Participants Mth/y	0	0	0	0	0	0	0	0	0	0
SGIP Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
EG Exempt Mth/y	0	0	0	0	0	0	0	0	0	0
Constitutionally Exempt Mth/y	(353)	0	(6,818)	(7,171)	(2,083)	0	0	0	(2,083)	(9,254)

Allocator for California Air Resources Board AB 32 Admin Fee:

Current										
Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	(3,606)	(477,724)			
Proposed										
Less: AB32Fees Exempt Customers Mth/y	0	0	0	0	0	(345)	(421,536)			

Cost Allocation Model Results

2020 TCAP Application

Procedure:

#1) Input from Cost Allocation Tab

#2) Transition Adjustments by Year

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

	Res	NGV	Core C&I	Total Core	Total NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total	NCCI-D	
#1) Input from Cost Allocation Tab												
Customer Related Costs	\$163,561	\$24	\$10,782	\$174,366	\$104	\$121	\$30	\$151	\$255	\$174,622	\$87	
Medium Pressure Distribution Costs	\$61,989	\$842	\$23,115	\$85,945	\$1,250	\$1,200	\$454	\$1,654	\$2,904	\$88,849	\$1,250	
High Pressure Distribution Costs	\$12,304	\$264	\$4,662	\$17,230	\$333	\$277	\$498	\$775	\$1,108	\$18,338	\$333	
Backbone Transmission Costs	\$40,564	\$12,135	\$853	\$7,182	\$20,169	\$1,659	\$1,051	\$17,686	\$18,736	\$20,395	\$40,564	
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
NGV	\$0	\$647	\$0	\$647	\$0	\$0	\$0	\$0	\$0	\$647	\$0	
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$40,564	\$249,988	\$2,630	\$45,739	\$298,357	\$3,346	\$2,649	\$18,668	\$21,317	\$24,663	\$323,020	\$2,707
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	77.4%	0.8%	14.2%	92.4%	1.0%	0.8%	5.8%	6.6%	7.6%	100.0%	0.8%	

#2) Transition Adjustments by Year

Amount of Adjustments to include in Proposal 2020 TCAP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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#3) Transition Adjustments Added to Customer Cost - output to Cost Alloc tab

Customer Related Costs	\$163,561	\$24	\$10,782	\$174,366	\$104	\$121	\$30	\$151	\$255	\$174,622	\$87
Medium Pressure Distribution Costs	\$61,989	\$842	\$23,115	\$85,945	\$1,250	\$1,200	\$454	\$1,654	\$2,904	\$88,849	\$1,250
High Pressure Distribution Costs	\$12,304	\$264	\$4,662	\$17,230	\$333	\$277	\$498	\$775	\$1,108	\$18,338	\$333
Backbone Transmission Costs	\$12,135	\$853	\$7,182	\$20,169	\$1,659	\$1,051	\$17,686	\$18,736	\$20,395	\$40,564	\$1,038
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$647	\$0	\$647	\$0	\$0	\$0	\$0	\$0	\$647	\$0
Total Margin Allocation w/o SI, w/FAR, FF&U, Season Storage	\$249,988	\$2,630	\$45,739	\$298,357	\$3,346	\$2,649	\$18,668	\$21,317	\$24,663	\$323,020	\$2,707
Total Margin Allocation w/o SI or Fuel Use, W/ FF&U as % total	77.4%	0.8%	14.2%	92.4%	1.0%	0.8%	5.8%	6.6%	7.6%	100.0%	0.8%

Cost Allocation Model Results

2020 TCAP Application

Procedure:

#1) Input from Cost Allocation Tab

#2) Transition Adjustments by Year

#3) Transition Adjustments Added to Customer Cost -

	NCCI-T	Total NCCI	EG Tier 1 Dist	EG Tier 2 Dist	EG Tier 1 Trans	EG Tier 2 Trans	EG Trans	Total EG	SOURCE
#1) Input from Cost Allocation Tab									
Customer Related Costs	\$18	\$104	\$116	\$10	\$5	\$20	\$25	\$151	Cost Allocation Tab
Medium Pressure Distribution Costs	\$0	\$1,250	\$1,200	\$454	\$0	\$0	\$0	\$1,654	Cost Allocation Tab
High Pressure Distribution Costs	\$0	\$333	\$277	\$498	\$0	\$0	\$0	\$775	Cost Allocation Tab
Backbone Transmission Costs	\$621	\$1,659	\$871	\$1,562	\$179	\$16,124	\$16,303	\$18,736	Cost Allocation Tab
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
NGV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Cost Allocation Tab
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$639	\$3,346	\$2,464	\$2,525	\$184	\$16,144	\$16,328	\$21,317	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&	0.2%	1.0%	0.8%	0.8%	0.1%	5.0%	5.1%	6.6%	
#2) Transition Adjustments by Year									
									NCCI-D NCCI-T EG-T Tier 1 EG-T Tier 2
									17,569 5,074 456,289
									0% 4% 1% 95%
Amount of Adjustments to include in Proposal 2020 TC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
#3) Transition Adjustments Added to Customer Co									
Customer Related Costs	\$18	\$104	\$116	\$10	\$5	\$20	\$25	\$151	
Medium Pressure Distribution Costs	\$0	\$1,250	\$1,200	\$454	\$0	\$0	\$0	\$1,654	
High Pressure Distribution Costs	\$0	\$333	\$277	\$498	\$0	\$0	\$0	\$775	
Backbone Transmission Costs	\$621	\$1,659	\$871	\$1,562	\$179	\$16,124	\$16,303	\$18,736	
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
NGV	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Margin Allocation w/o SI, w/FAR, FF&U, Seas	\$639	\$3,346	\$2,464	\$2,525	\$184	\$16,144	\$16,328	\$21,317	
Total Margin Allocation w/o SI or Fuel Use, W/ FF&	0.2%	1.0%	0.8%	0.8%	0.1%	5.0%	5.1%	6.6%	

Cost Allocation Model Results

2020 TCAP Application

Procedure:

#1) Input from Cost Allocation Tab

#2) Transition Adjustments by Year

#3) Transition Adjustments Added to Customer Cost -

#1) Input from Cost Allocation Tab

- Customer Related Costs
- Medium Pressure Distribution Costs
- High Pressure Distribution Costs
- Backbone Transmission Costs
- Local Transmission Costs
- Storage - Borrego
- Core Seasonal Storage
- Storage - Load Balancing
- NGV

Total Margin Allocation w/o SI, w/FAR, FF&U, Seas

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

Total

478,932

100%

#2) Transition Adjustments by Year

Amount of Adjustments to include in Proposal 2020 TC

#3) Transition Adjustments Added to Customer Co

- Customer Related Costs
- Medium Pressure Distribution Costs
- High Pressure Distribution Costs
- Backbone Transmission Costs
- Local Transmission Costs
- Storage - Borrego
- Core Seasonal Storage
- Storage - Load Balancing
- NGV

Total Margin Allocation w/o SI, w/FAR, FF&U, Seas

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

Miscellaneous Inputs

2020 TCAP Application

Calculation of UnAccounted For Gas:

UAF Volumes Mth/yr	6,315	TCAP
System AYTP Mth/yr	1,109,315	Alloc Factors
% UAF	0.569%	
Citygate price \$/dth	<u>\$2.77</u>	
UAF \$/yr	<u>\$1,748</u>	

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

Gas Cost \$/dth \$2.77 TCAP 2020

BTU Factor

1.0397 **Mbtu/cf** Demand FC
1,040 Mbtu/mcf
1 th = 100,000 BTUs
1,000 Mth = 100,000MBTUs

Calculation of Brokerage Fee:

		TCAP	
Core Broker Fee Rate \$/th		<u>\$0.00207</u>	
Core AYTP Mth/yr		473,212	Sales
		\$980	
FFU	2.29%	<u>\$22</u>	
Core Broker Fee w/FFU \$000		<u>\$1,002</u>	
Core Broker Fee Rate \$/th without FFU		<u>\$0.00207</u>	
FFU		1.017	
Core Broker Fee w/FFU \$/th		<u>\$0.00211</u>	

Calculation of Company Use Other \$/therm:

Co Use Other usage (Mth)	466	TCAP D.16-10-004
SoCal Citygate \$/th	<u>\$0.277</u>	
Co Use \$000	<u>\$129</u>	

FFU Rates & Example Calculation:

		SDGEgas	Source
Gross Revenue Billed		\$100.000	2016 GRC
Uncollectable	0.17400%	\$0.170	2016 GRC
Franchise Rate	2.07270%	\$2.073	2016 GRC
Net Revenue		<u>\$97.757</u>	
if I want this net revenue		\$97.757	
Net to Gross= Gross Revenue/Net revenue =		<u>102.2946%</u>	
then I need to bill this amount		\$100.000	
If I bill this amount		\$100.00	
Gross-to-Net = Net Revenue/Gross Revenue		<u>97.7569%</u>	
then I will get this net revenue		\$97.757	
If I bill this amount		\$100.00	
Gross to Net = 1-(Net Revenue/Gross Revenue) =		<u>2.2431%</u>	
then I will get this net revenue		\$97.757	

SDG&E - Citygas Gas price for LUAF (\$/mmbtu)**SDG&E Core Procurement Price \$/th**

SoCal Border price	\$0.24430
Brokerage Fee	<u>\$0.00207</u>
Subtotal	<u>\$0.24637</u>
FFU	<u>102.2946%</u>
Subtotal with FFU	<u>\$0.25203</u>
Backbone Transmission Service \$/th/day	<u>\$0.026245</u>
SDG&E Gas Procurement (\$/th)	<u><u>\$0.27827</u></u>

SDG&E - Gas price for G-CP for Residential Bill (\$/mmbtu)**SDG&E Core Procurement Price \$/th**

SoCal Border price	\$0.24430
Brokerage Fee	<u>\$0.00207</u>
Subtotal	<u>\$0.24637</u>
FFU	<u>102.2946%</u>
Subtotal with FFU	<u>\$0.25203</u>
Backbone Transmission Service \$/th/day	<u>\$0.026245</u>
SDG&E Gas Procurement (\$/th)	<u><u>\$0.27827</u></u>

SDG&E AB 32 Admin Fees**Summary of Rate Adder Components**

AB32 Fees (subtracted from base margin and allocated here)	\$573	\$0.00083	100%
Environmental Fee Memorandum Account EFMA	\$0	\$0.00000	0%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0.00000	0%
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0.00000	0%
Total	\$573		100%
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	687,435		
Rate Adder \$/th	\$0.00083	\$0.00083	

AB 32 Admin Fee Components from Cost Alloc

	Res	NGV	Core C&I	Total Core	NCCI
AB32 Fees (subtracted from base margin and allocated here)	\$261	\$20	\$162	\$443	\$39
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0
Total	\$261	\$20	\$162	\$443	\$39
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	313,234	24,129	194,777	532,140	46,945
Rate Adder \$/th	\$0.00083	\$0.00083	\$0.00083	\$0.00083	\$0.00083

AB 32 Admin Fee Components from NCCI Detail Alloc

	NCCI-D	NCCI-T	Total Allocated to NCCI	Source
AB32 Fees (subtracted from base margin and allocated here)	\$24	\$15	\$39	Cost Alloc
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	Cost Alloc
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	Cost Alloc
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	Cost Alloc
Total	\$24	\$15	\$39	
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	29,376	17,569	46,945	Cost Alloc
Rate Adder	\$0.00083	\$0.00083	\$0.00083	

AB 32 Admin Fee Components from EG Detail Alloc

	EG-D-T1	EG-D-T2	EG-T	Total EG
AB32 Fees (subtracted from base margin and allocated here)	\$20	\$37	\$33	\$90
Environmental Fee Memorandum Account EFMA	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0
Total	\$20	\$37	\$33	\$90
AYTP Mth/yr AB32 Fee Non-Exempt Customers Mth/y	24,560	44,206	39,584	108,350
Rate Adder	\$0.00083	\$0.00083	\$0.00083	\$0.00083

GHG Fees

Summary of Rate Adder Components

	Rate Adder
System Total	Contribution
	\$0
	\$0.00000

EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total	F&U Amount \$000	Total Allocated \$000
\$24	\$66	\$90	\$129	\$573	\$13	\$560
\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$24	\$66	\$90	\$129	\$573	\$13	\$560
29,391	78,959	108,350	155,294	687,435		
\$0.00083	\$0.00083	\$0.00083	\$0.00083	\$0.00083		

Source

Cost Alloc
Cost Alloc
Cost Alloc
Cost Alloc

Cost Alloc

Total	\$0	
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	593,667	
Rate Adder \$/th	\$0.00000	\$0.00000

GHG Fee Components from Cost Alloc

	Res	NGV	Core C&I	Total Core	NCCI
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	313,234	24,129	194,777	532,140	28,556
Rate Adder \$/th	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000

GHG Fee Components from NCCI Detail Alloc

	NCCI-D	NCCI-T	Total Allocated to NCCI	Source
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	NCCI Detail Alloc
Total	\$0	\$0	\$0	
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	27,694	862	28,556	NCCI Detail Alloc
Rate Adder	\$0.00000	\$0.00000	\$0.00000	

GHG Fee Components from EG Detail Alloc

	EG-D-T1	EG-D-T2	EG-T	Total EG
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0
AYTP Mth/yr GHG Fee Non-Exempt Customers Mth/y	23,450	4,665	4,857	32,971
Rate Adder	\$0.00000	\$0.00000	\$0.00000	\$0.00000

EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total	F&U Amount \$000	Total Allocated \$000
\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0
28,307	4,665	32,971	61,527	593,667		
\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000		

Source
EG Detail Alloc

EG Detail Alloc

SDG&E
Residential Rate Design
2020 TCAP Application

Procedure:

Calculate revenue from GR rate

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

RESULTS of Resid Rate:

	Customer Charge/ Minimum bill \$/mo	BL \$/th	NBL \$/th	Average Volumetric Rate \$/th	# Customers/Res Units of MM Cust	BL Volume mth/y	NBL Volume mth/yr	Total Volume mth/yr	Customer Charge or Minimum Bill \$000/yr	BL revenue \$000/yr	NBL Revenue \$000/yr	Total Volumetric Revenue \$000/yr	Total Revenue \$000/yr
Res (Schd GR)	\$10.00	\$0.48617	\$1.07317	\$0.59482	874,067	255,260	57,974	313,234	\$104,888	\$124,101	\$62,217	\$186,318	\$291,206
Submeter Credit \$/unit/day (Schd GS)				(\$0.26499)	5,879							(\$569)	(\$569)
Submeter Credit \$/unit/day (Schd GT)				(\$0.28570)	26,104							(\$2,722)	(\$2,722)
Borrego Revenue												\$65	\$65
Employee Discount (Schd GR)												(\$367)	(\$367)
SDFFD												\$1,330	\$1,330
CAT Adder				\$0.00000				2,253				\$0	\$0
CSITMA Adder				\$0.00318				258,322				\$822	\$822
CARB Adder				\$0.00083				313,234				\$261	\$261
GHG Adder				\$0.00000				319,982				\$0	\$0
Total Residential													\$290,025

Volumetric Revenue and Volumes Calculation

			Source
Total Res Rev \$000		\$290,025	Cost Alloc
less CAT adder costs		\$0	Cost Alloc
less CSITMA adder costs		(\$822)	Cost Alloc
less CARB adder costs		(\$261)	Cost Alloc
less GHG adder costs		\$0	Cost Alloc
less Borrego \$000		(\$65)	Borrego
plus Employee Discount \$000		\$367	2017 Actual
plus Submeter Credit GS		\$569	
plus Submeter Credit GT		\$2,722	
		<u>\$292,535</u>	
less SDFFD	0.455%	(\$1,330)	SDFFD
Tot. Rev from GR Rate		\$291,206	
less customer charge rev		\$104,888	
Vol. Rev from GR Rate		<u>\$186,318</u>	
BL Vols Mth/yr	81.5%	255,260	
NBL Vols Mth/yr		57,974	
GR Volumes Mth/yr		<u>313,234</u>	Alloc Factors
2020 TCAP Res Vols:			
BL		221,963	81.5% 2020 TCAP
NBL		50,412	18.5% 2020 TCAP
Total		<u>272,375</u>	100.0%

Commodity Rate = \$/th	\$0.27687	Misc Inputs
total vols Mth/yr	313,234	
Commodity Rev	\$86,726	
Transport Rev	\$186,318	
Total rev	\$273,044	
NBL/BL Composite Rate Ratio	1.15	2016 TCAP
Composite Rate \$/th	\$1.17395	
NBL rate w/commodity =	\$1.35005	<i>NBL rate = 1.15 * composite rate BL rate</i>
BL rate w/o commodity =	\$0.48617	
NBL rate w/o commodity =	\$1.07317	
Verify Total Revenue:		
Cst. Chg. Revenue	\$104,888	
BL Revenue	\$124,101	
NBL Revenue	\$62,217	
	\$291,206	
plus CAT adder	\$0	
plus CSITMA adder	\$822	
plus CARB adder costs	\$261	
plus GHG adder costs	\$0	
plus Borrego	\$65	
less employee discount	(\$367)	
less Submeter Credit GS	(\$569)	
less Submeter Credit GT	(\$2,722)	
plus SDFFD	\$1,330	
total res reve	\$290,025	
<i>verify revenue</i>	\$0	
Target		

Calculate Submeter Credit Revenues:	Sched GS, MultiFamily	Sched GT, Mobilehome	
Based on Current Rate:			
Number of Res Units Behind Master Meter Customer	5,879	26,104	2017 Recorded
Number of Master Meter Customers	224	227	2017 Recorded
Number of Res Units per Master Meter Customer	26	115	
Number of Master Meter Customers-Forecast	224	227	2017 Recorded
Number of Res Units Behind Master Meter Customers-F	5,879	26,104	
Submeter Credit, \$/day/unit	(\$0.26499)	(\$0.28570)	2020TCAP SubMtr Cr
Number of days for subMeter CR =	365	365	
Submeter Credit Revenues \$000/yr =	(\$569)	(\$2,722)	

Calculation of CAT Adder:		Source
Costs allocated to Res class \$000	\$0	Cost Alloc
CAT Volumes Mth	2,253	Alloc Factors
	<u>\$0.00000</u>	

Calculation of CSITMA Adder, Decision 10-01-022 January 21, 2010		Source
Costs allocated to Res class \$000	\$822	Cost Alloc
Non Care/FERA Res Volumes Mth/yr	258,322	Misc Inputs
	<u>\$0.00318</u>	

Calculation of CARB Adder:		Source
Costs allocated to Res class \$000	\$261	Cost Alloc
Volumes Mth	313,234	Alloc Factors
	<u>\$0.00083</u>	

Calculation of GHG Adder:		Source
Costs allocated to Res class \$000	\$0	Cost Alloc
Volumes Mth	319,982	Alloc Factors
	<u>\$0.00000</u>	

Minimum Bil/Customer Charge Revenue	\$104,888	Minimum Charge	\$1,041	2020 TCAP
Customer Charge				
# of customers	874,067			
Customer Charge	\$10			
Total Customer charge (\$000)	\$104,888		1040.58589	

**SDG&E 2020 TCAP FILING
CALCULATION OF LNG SERVICE RATES
San Diego Gas & Electric**

	2017 Billing Months	2017 Borrego Volumes (therms)	Present Rates		Proposed Rates		Change	Source
			Rates \$/therm	Revenues \$'s	Rates \$/therm	Revenues \$'s		
WACOG			\$0.27687		\$0.27687			Misc Inputs
GR Baseline w/o WACOG			\$0.86668		\$0.48617			Rate Tables
GR NBL w/o WACOG			\$1.04355		\$1.07317			Rate Tables
GR Baseline w/wacog	2,788	40,666	\$1.14355	\$46,504	\$0.76305	\$31,030		2020 TCAP
GR NBL w/wacog		20,709	\$1.32042	\$27,345	\$1.35005	\$27,958		2020 TCAP
GR-LI BL	727	12,646	\$0.91484	\$11,569	\$0.61044	\$7,720		2020 TCAP
GR-LI NBL		1,918	\$1.05634	\$2,026	\$1.08004	\$2,072		2020 TCAP
GR total	3,515	75,939	\$1.15149	\$87,443		\$68,779	(\$18,664)	
GL-1 Facility Charge (\$/mo.)		3,515	<u>Present</u> \$14.79	\$51,988	<u>Proposed</u> \$14.79	\$51,988		0.0%
GL-1 Surcharge \$/th		75,939	\$0.16571	\$12,583	\$0.16571	\$12,583		0.0%
				\$64,572		\$64,572		
GL-1 Total				\$64,572		\$64,572		0.0%
LNGSTA Tracking Acct Balance				\$0		\$0		
Grand Total (\$)				\$152,015		\$133,351		
divided by Gas Volumes (therms)				75,939		75,939		
= Average LNG Rate \$/therm				\$2.00181		\$1.75603		
%Change from Present Rates						-12.3%		
Grand Total (\$)				\$152,015		\$133,351		
divided by Billing Months				3,515		3,515		
= Average Gas LNG Service Bill \$/bill				\$43.25		\$37.94		
plus Electric Service Bill \$/bill				\$93.64		\$93.64		
= Total Service Bills \$/bill				\$136.88		\$131.57		2020 TCAP
less All-Electric Service Bill for Borrego \$/bill				\$118.07		\$118.07		2020 TCAP
Difference from All-Electric Bill				\$18.81		\$13.50		
%Change from All-Electric				15.9%		11.4%		
%Change, Total Bill				0.0%				

SDG&E Core C&I Rates

2020 TCAP Application

Procedure

Calculate Customer Charge Revenue

Calculate Volumetric Revenue by Tiers

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

Results		Rate \$/mo or \$/th	# Customers	AYTP mth/yr	revenue \$000/yr	Source
Customer Charge		\$10.00	30,937		\$3,712	Alloc Factors
TIER 1	0-1000 th/mo	\$0.39272		87,627	\$34,413	
TIER 2	1001-21k th/mo	\$0.23099		88,939	\$20,544	
TIER 3	> 21k th/mo	\$0.18530		18,211	\$3,375	
Total Volumetric		\$0.29948		194,777	\$58,332	
Total Volumetric & Customer Charge		\$0.31854		194,777	\$62,044	
SDFFD					\$360	
Cat Adder \$/th		\$0.00000		39,978	\$0	Alloc Factors
CSITMA Adder \$/th		\$0.00318		187,959	\$598	Alloc Factors
Total CCI		\$0.32346		194,777	\$63,002	

Calculation of Volumetric Rates

	% difference from Tier 1	Forecast Vol Mth/yr	Vol Rate Base Margin Items \$/th	Vol Rev Base Margin Items \$000	Vol Rate NonBase Margin Items \$/th	Total Vol Rate \$/th	Total Vol Rev \$000	Source
Tier 1		87,627	\$0.28570	\$25,035	\$0.10702	\$0.39272	\$34,413	
Tier 2	43%	88,939	\$0.12397	\$11,026	\$0.10702	\$0.23099	\$20,544	
Tier 3	27%	18,211	\$0.07829	\$1,426	\$0.10702	\$0.18530	\$3,375	
		194,777		\$37,487		\$0.29948	\$58,332	

Total Allocated Base Margin Costs		\$40,147	
less customer charge revenue		<u>(\$3,712)</u>	
Plus Non-ECPT items		\$1,053	
Target Vol Rev \$000 =		\$37,487	
Vol revenue Check should be \$0		\$0	
Total Allocated Costs		\$63,002	Cost Alloc
less SDDFD	0.571%	<u>\$360</u>	
Subtotal Allocated Costs		\$62,642	
Total Allocated Base Margin Costs		\$40,147	Cost Alloc
Less CAT costs \$000		\$0	Cost Alloc
Less CSITMA Adder \$/th		<u>\$598</u>	Cost Alloc
Total Allocated NonBase Margin Costs		\$20,844	
Forecast AYTP Mth/yr		<u>194,777</u>	
Volumetric Rate for NonBaseMargin Items \$/th		\$0.10702	

Notes:

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

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

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

Volumetric rates are calculated in 2 parts:

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

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

Calculation of AYTP by Tier & Band Mth/year

	TIER 1 0-100 th/mo	TIER 2 101-250 th/mo	TIER 3 251-1k th/mo	TIER 4 1,001-4,167 th/mo	TIER 5 4,168-12,500 th/mo	TIER 6 12,501-21k th/mo	TIER 7 > 21k th/mo	TOTAL	Source
2017 Recorded Annual Data Normalized to AYTP HDD Mth/yr									
Band 1 0-100 th/yr	254	0	0	0	0	0	0	254	2017 Data
Band 2 101-300 th/yr	774	7	0	0	0	0	0	781	2017 Data
Band 3 301-3k th/yr	5,614	2,672	815	14	0	0	0	9,115	2017 Data
Band 4 3,001-12k th/yr	6,834	9,859	19,908	1,165	19	0	0	37,785	2017 Data
Band 5 12,001-50k th/yr	2,670	3,977	19,136	23,532	1,085	48	8	50,455	2017 Data
Band 6 50,001-250k th/yr	552	827	4,114	16,599	20,016	4,192	911	47,210	2017 Data
Band 7 > 250k th/yr	68	103	513	2,164	5,628	5,413	15,436	29,326	2017 Data
Therm Totals	16,766	17,445	44,486	43,474	26,748	9,653	16,355	174,926	
2014 Recorded Annual Data as % of Total									
Band 1 0-100 th/yr	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	
Band 2 101-300 th/yr	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	
Band 3 301-3k th/yr	3.2%	1.5%	0.5%	0.0%	0.0%	0.0%	0.0%	5.2%	
Band 4 3,001-12k th/yr	3.9%	5.6%	11.4%	0.7%	0.0%	0.0%	0.0%	21.6%	
Band 5 12,001-50k th/yr	1.5%	2.3%	10.9%	13.5%	0.6%	0.0%	0.0%	28.8%	
Band 6 50,001-250k th/yr	0.3%	0.5%	2.4%	9.5%	11.4%	2.4%	0.5%	27.0%	
Band 7 > 250k th/yr	0.0%	0.1%	0.3%	1.2%	3.2%	3.1%	8.8%	16.8%	
Therm Totals	9.6%	10.0%	25.4%	24.9%	15.3%	5.5%	9.3%	100.0%	
Forecasted AYTP Mth/yr									
Forecasted AYTP for CCI class th/yr								194,777	Alloc factors
Band 1 0-100 th/yr	283	0	0	0	0	0	0	283	
Band 2 101-300 th/yr	862	8	0	0	0	0	0	870	
Band 3 301-3k th/yr	6,251	2,975	908	15	0	0	0	10,149	
Band 4 3,001-12k th/yr	7,609	10,978	22,167	1,297	21	0	0	42,073	
Band 5 12,001-50k th/yr	2,973	4,428	21,307	26,202	1,208	54	9	56,181	
Band 6 50,001-250k th/yr	614	921	4,581	18,483	22,287	4,668	1,014	52,568	
Band 7 > 250k th/yr	76	114	571	2,410	6,267	6,027	17,188	32,654	
Total Forecast AYTP Mth/yr	18,668	19,424	49,535	48,407	29,783	10,749	18,211	194,777	
Combine Tiers 1+2+3; 4+5+6; 7									
Total Forecast AYTP Mth/yr	87,627			88,939			18,211	194,777	

Calculation of # Customers by Tier & Band

	TIER 1 0-100 th/mo	TIER 2 101-250 th/mo	TIER 3 251-1k th/mo	TIER 4 1,001-4,167 th/mo	TIER 5 4,168-12,500 th/mo	TIER 6 12,501-21k th/mo	TIER 7 > 21k th/mo	TOTAL	Source
# of Customer Bills/year in 2017									
Band 1 0-100 th/yr	44,079	0	0	0	0	0	0	44,079	2020 TCAP
Band 2 101-300 th/yr	42,254	289	3	0	0	0	0	42,546	2020 TCAP
Band 3 301-3k th/yr	52,573	27,102	6,246	51	0	0	0	85,972	2020 TCAP
Band 4 3,001-12k th/yr	2,069	4,534	59,143	3,729	11	0	0	69,486	2020 TCAP
Band 5 12,001-50k th/yr	188	217	2,945	22,429	1,012	6	3	26,800	2020 TCAP
Band 6 50,001-250k th/yr	10	8	54	690	3,753	832	178	5,525	2020 TCAP
Band 7 > 250k th/yr	1	0	0	1	18	79	586	685	2020 TCAP
Total # bills/year	141,174	32,150	68,391	26,900	4,794	917	767	275,093	

2010 Recorded Data as % of Total

Band 1 0-100 th/yr	16.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.0%
Band 2 101-300 th/yr	15.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	15.5%
Band 3 301-3k th/yr	19.1%	9.9%	2.3%	0.0%	0.0%	0.0%	0.0%	31.3%
Band 4 3,001-12k th/yr	0.8%	1.6%	21.5%	1.4%	0.0%	0.0%	0.0%	25.3%
Band 5 12,001-50k th/yr	0.1%	0.1%	1.1%	8.2%	0.4%	0.0%	0.0%	9.7%
Band 6 50,001-250k th/yr	0.0%	0.0%	0.0%	0.3%	1.4%	0.3%	0.1%	2.0%
Band 7 > 250k th/yr	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
	51.3%	11.7%	24.9%	9.8%	1.7%	0.3%	0.3%	100.0%

Forecasted # Customers

Forecasted # Customers for CCI class 30,937 Alloc factors

Band 1 0-100 th/yr	4,957	0	0	0	0	0	0	4,957
Band 2 101-300 th/yr	4,752	33	0	0	0	0	0	4,785
Band 3 301-3k th/yr	5,912	3,048	702	6	0	0	0	9,668
Band 4 3,001-12k th/yr	233	510	6,651	419	1	0	0	7,814
Band 5 12,001-50k th/yr	21	24	331	2,522	114	1	0	3,014
Band 6 50,001-250k th/yr	1	1	6	78	422	94	20	621
Band 7 > 250k th/yr	0	0	0	0	2	9	66	77
Total Forecast # Customers	15,876	3,616	7,691	3,025	539	103	86	30,937

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

Total Forecast # Customers **27,183** **3,667** **86** **30,937**

SDGE NGV Cost Allocation

2020 TCAP Application

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	\$3,515	Cost Alloc
Less Compression Costs	\$647	Cost Alloc
Less SDDFD	0.193% \$7	
Less CSITMA Adder \$/th	\$75	Cost Alloc
Less CARB Adder \$/th	\$20	Misc Input
Less GHG Adder \$/th	\$0	Misc Input
Total Transport Rev	\$2,766	

Pre SW Calculation of Compression Adder Rate:

EC Compression Costs	\$647	
Compression Volumes mth/yr	628	2020 TCAP
Pre SW Compression Adder Rate \$/th	\$1.03005	

Calculation of Customer Charge Revenue:

	P-1	P-2A	Total	Source
# Customers	15	13	28	2020 TCAP/ Alloc Factors
Customer Charge \$/mo	\$13.00	\$65.00	\$37.46	
Customer Charge Revenue \$000	\$2	\$10	\$12	

Pre-SW Calculation of NGV Transportation Rate:

		Source
Total Transport Rev Stand Alone	\$2,766	
Less Customer Charge revenue \$000/yr	\$12	
Volumetric Revenue \$000/yr	\$2,754	
Transportation volumes mth/yr	24,129	Alloc Factors
Pre-SW NGV Transportation Rate \$/th	\$0.11413	

Post SW Rates:

	Uncompressed	Compressed	Total	
SW Volumetric Rate w/FFU \$/th	\$0.12583	\$1.04809	\$0.14923	Run Tab - SCG RD model/NGV Rates
AYTP Mth/yr	24,129	628	24,757	
SW Volumetric Revenue w/FFU \$000	\$3,036	\$659	\$3,695	
plus Customer Charge Revenue w/FFU	\$12		\$12	
Post SW Revenue w/FFU	\$3,048	\$659	\$3,707	
Pre SW Revenue w/FFU	\$2,766	\$647	\$3,413	
SW Adjustment w/FFU	\$282	\$11	\$294	

Calculation of SDG&E Residential NGV Fuelmaker Rates

2020 TCAP Application

Results of Res Data:	Rate	# Res Customers with Fuel Maker	AYTP Mth/yr	Revenue \$000/yr
Customer Charge \$/mo	\$5.00	15		\$1
Volumetric Rate \$/th	\$1.72275		9	\$16
				<u>\$17</u>

Calculation of Total Revenue from Res Customers with FM:		Source
Res Transport Rev Req w/Sl, FFU, EOR Cr w/o FAR Rev, TLS \$000/yr	\$290,025	Cost Alloc
less CSITMA adder costs	(\$822)	
less CARB adder costs	(\$261)	
less GHG adder costs	\$0	
	<u>\$288,942</u>	
# Res Customers	<u>874,067</u>	Alloc Factors
Residential Cost = \$/Customer/year	\$331	
Additional cost for FM = \$/customer/year	<u>\$1,418</u>	
Total cost for Res customer with FM = \$/customer/yr	\$1,749	
Total # FM customers	15	
Total Revenue from Res Customers with FM=\$000	\$26	
# Res Customers with FM	15	
Customer Charge = \$/mo	\$5.00	
Customer Charge Revenue = \$000/yr	<u>\$1</u>	
Volumetric Revenue from Res Customers with FM=\$000	<u>\$25</u>	
Total Mth/year of Res Customers with FM=Mth/yr	15	
Vol Transport Rate for Res Customer with FM=\$/th	<u>\$1.72275</u>	

Calculation of Total Mth/year of Res Customers with Fuel Maker ("FM"):		Source
Average Residential Th/year:		
Total Residential AYTP=Mth/yr	313,234	Alloc Factors
# Residential Customer	874,067	Alloc Factors
Average Residential Th/year	358	
Additional Th/year for FM:		
Total Fuel Maker Mth/yr	9	
Total # Fuel Maker customers	15	
Additional Th/year for Fuel Maker	622	
Total Th/year for Res Customer with FM = th/yr	980	
Total # FM customers	15	
Total Mth/year of Res Customers with FM=Mth/yr	15	

Calculation of FM therms/year and # FM Customers:		Source
FM Usage Per Day Per Home (therm/day)	1.70	2016 Data
x avg #days/month	30.42	
FM Usage Per Day Per Home (therm/month)	51.83	
Total # Res Customers		
% of Res. Households Having NGV refueling at home		
Total # FM customers	15	2016 Data
Total FM Mth/yr	9.33	
Daily FM volume	0.03	
Monthly FM volume	0.78	

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

Additional cost for FM Source

Incremental Customer Costs \$000/yr

One Time Billing System Costs \$000	\$100	
Amortization period = years	5	
Incremental Customer Costs \$000/yr	\$20	

Incremental MPD Costs \$000/yr

Res CYPD Mth/d	2,944	Alloc Factors
FM Est Peak Day Mth/d	0.0	
FM CYPD as % Res CYPD	0.00%	
Res MPD Costs \$000	\$61,989	Cost Allocation
Total MPD Costs \$000	\$1	

Incremental HPD Costs \$000/yr

Res CYPM Mth/mo	50,188	Alloc Factors
FM Est Peak Day Mth/d:		
FM Est CYPM Mth/mo	1	
FM CYPM as % Res CYPM	0.00%	
Res HPD Costs \$000	\$12,304	Cost Allocation
Total HPD Costs (\$1,000)	\$0	

Incremental BBT Costs for FM \$000/yr

Res CYTP Mth/yr	w/SI	
Res CYTP Mth/yr	343,408	Alloc Factors
FM Est Peak CYTP Mth/d	9	Use AYTP of FM market
FM CYTP as % Res CYTP	0.00%	
Res BBT Costs w/SI \$000	\$0	Cost Allocation
Incremental BBT Costs \$000	\$0	

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

Res CYPM Mth/mo	50,188	Alloc Factors
FM Est CYPM Mth/mo	1	Use AYTP of FM market
FM CYPM as % Res CYPM	0.00%	
Res Local-T Costs w/SI \$000	\$3,418	Cost Allocation
Incremental Local-T costs \$000	\$0	

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

Res CYPD Mth/d	2,944	Alloc Factors
FM Est Peak Day Mth/d:		
FM Est Peak Day Mth/d	0.0	
FM Peak Day as % Res Peak Day	0.00%	
Res Stoarage Costs - Seasonal \$000	\$0	Cost Allocation
Storage Costs - Seasonal for FM \$000	\$0	

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

Res AYTP Mth/y	313,234	Alloc Factors
FM Est AYTP Mth/y	9	
FM Peak Day as % Res Peak Day	0.00%	
Res Stoarage Costs - Load Balancing \$000	\$0	Cost Allocation
Storage Costs - Load Balancing for FM \$000	\$0	

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

FM Est AYTP Mth/y	9	
Co Use Trans rate as % of end use	0.000%	Misc Input
CoUse Trans for FM Mth/yr	0	
WACOG \$/dth	\$2.77	Misc Input
Co Use Transmission for FM \$000/yr	\$0	

Incremental UAF for FM \$000/yr:

FM Est AYTP Mth/y	9	
UAF rate as % of end use	0.569%	Misc Input
UAF for FM Mth/yr	0	
WACOG \$/dth	\$2.77	Misc Input
UAF for FM \$000/yr	\$0	

Incremental Transport Rev Req w/Sl, w/oFFU \$000/yr	\$21	
FFU Rate	102.29%	Cost Allocation
Incremental Transport Rev Req w/Sl, FFU \$000/yr	\$21	
# FM Customers	15	
Additional cost for FM = \$/customer/year	\$1,418	

SDG&E NonCore C&I Distribution Rates

**2020 TCAP Application
Procedure**

Calculate customer charge revenue.
Calculate total volumetric revenue.

	TOTAL	Source
Customer Charge Revenue \$000/yr:		
Forecast # Customers	44	NCCI Detail Alloc
Customer Chare \$/mo	\$350.00	
Customer Charge Revenue \$000/yr	<u>\$185</u>	
Calculation of Total Volumetric Revenue \$000:		
Total Costs Allocated to NCCI-D class \$000/yr	\$2,901	NCCI Detail Alloc
Less Customer Charge Revenue \$000	\$185	
Less CSITMA Adder \$/th	\$87	NCCI Detail Alloc
Less GHG Adder \$/th	\$0	NCCI Detail Alloc
Volumetric Revenue \$000	<u>\$2,629</u>	
AYTP NCCI-D Mth/yr	29,376	NCCI Detail Alloc
Volumetric Rate \$/th	<u>\$0.08951</u>	
Total Revenue \$000	\$2,901	
Average Rate \$/th	\$0.09876	



SDG&E EG-D Rates

**2020 TCAP Application
Procedure**

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

Summary of EG Distribution Rates:	Pre Sempra Wide Rates			Post Sempra Wide Rates		
	Mth/yr	Rate \$/th	\$000's	Mth/yr	Rate \$/th	\$000's
EFBA Exempt Rates:						
EG Distribution Tier 1:						
Customer Charge	69	\$50.00	\$41	69	\$50.00	\$41
Volumetric Rate (excl ITCS)	24,662	\$0.10536	\$2,598	24,662	\$0.12880	\$3,176
	24,662	\$0.10704	\$2,640	24,662	\$0.13048	\$3,218
EG Distribution Tier 2						
Customer Charge	6	\$0.00	\$0	6	\$0.00	\$0
Volumetric Rate	44,206	\$0.06351	\$2,808	44,206	\$0.07293	\$3,224
	44,206	\$0.06351	\$2,808	44,206	\$0.07293	\$3,224
EG Distribution EFBA & GHG Exempt Customers	68,867	\$0.07910	\$5,447	68,867	\$0.09353	\$6,441
EFBA & GHG Non-Exempt Rates:						
EFBA Cost Adder	68,765	\$0.00083	\$57	68,765	0.00083	\$57
GHG Cost Adder	28,114	\$0.00000	\$0	28,114	0.00000	\$0
EG-Distribution Tier 1 w/EFBA & GHG Adders		\$0.10619			0.12963	
EG-Distribution Tier 2 w/EFBA & GHG Adders		\$0.06434			0.07376	
Total EG Distribution Level	68,867	\$0.07993	\$5,505	68,867	\$0.09437	\$6,499

Calculation of Pre SemptraWide EG-D Rate Excl CARB & GHG	EG-D Tier 1	EG-D Tier 2	Total	Source
AYTP mth/yr	24,662	44,206	68,867	EG-EOR Detail Alloc
Total revenue \$000/yr	\$2,660	\$2,844	\$5,505	EG-EOR Detail Alloc
Less: AB32 Admin Fees	(\$20)	(\$37)	(\$57)	EG Detail Alloc
Less: GHG Fees	\$0	\$0	\$0	EG Detail Alloc
Total revenue \$000/yr	\$2,640	\$2,808	\$5,447	
total rate net of AB 32 Admin Fee Incl Cust Chg \$/th	\$0.10704	\$0.06351	\$0.07910	
Customer Charge:				
Total Customers	69	6	75	EG-EOR Detail Alloc
Customer Charge	\$50.00	\$0.00		
Customer Charge Rev \$000/yr	\$41	\$0	\$41	
Volumetric Rate:				
Total revenue \$000/yr	\$2,640	\$2,808	\$5,447	
Less Customer Charge \$000/yr	\$41	\$0	\$41	
Volumetric Revenue \$000/yr	\$2,598	\$2,808	\$5,406	
Volumetric Rate /th	\$0.10536	\$0.06351	\$0.07850	

Post SW Rates:

SW Volumetric Rate w/FFU \$/th	\$0.12880	\$0.07293		SCG RD model/EG-D Rates
AYTP Mth/yr	24,662	44,206	68,867	
SW Volumetric Revenue \$000	\$3,176	\$3,224	\$6,400	
plus Customer Charge Revenue \$000	\$41	\$0	\$41	
plus AB32 Admin Fee				
Post-SW Total Revenue \$000	\$3,218	\$3,224	\$6,441	
Pre-SW Total Revenue \$000	\$2,640	\$2,808	\$5,447	
SW Adjustment \$000	\$578	\$416	\$994	
Post-SW Total Revenue \$000	\$3,218	\$3,224	\$6,441	
AYTP Mth/yr	24,662	44,206	68,867	
Post SW Average Rate \$/th	\$0.13048	\$0.07293	\$0.09353	

EFBA & GHG amounts \$000

\$20 \$37 \$57

SUMMARY of Pre & Post SW revenue & rates w/FFU w/EFBA:

Pre SW Total Revenue Tier 1 & 2 w/FFU \$000	\$2,660	\$2,844	\$5,505
Post SW Total Revenue Tier 1 & 2 w/FFU \$000	\$3,238	\$3,261	\$6,499
Total SW Adjustment w/FFU \$000	\$578	\$416	\$994

Calculation of EFBA fee

				Source
Costs allocated to EG class \$000	\$20	\$37	\$57	EG Detail Alloc
EG Non-Exempt Volumes Mth/yr	24,560	44,206	68,765	EG Detail Alloc
Cost Adder for Non-Exempt EG-D Customers	\$0.00083	\$0.00083	\$0.00083	

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

AP Application

A	2017 Revenue				SDFFD FACTOR
	City of San Diego		Total System		
	Applicable SD Revs b/	SDFFD Revenues	w/o SDFFD a/	with SDFFD	
B	C	D	E	F	
	(in 000s)	(in 000s)	(in 000s)	(in 000s)	
Schedule		1.030% c/			
Single Family (GR)	\$107,150	\$1,104	\$249,323	\$250,427	0.443%
Single Family Low Income (GR-LI)	17,402	179	\$40,529	\$40,708	0.442%
Multi Family (GM/GS/GT)	25,846	266	\$50,855	\$51,121	0.523%
LNG Fac. Chg. (GL-1)	0	0	\$62	\$62	0.001%
Res Aggreg Trans (GTAGTC)	720	7	\$1,678	\$1,685	0.442%
Total Core Residential	\$151,118	\$1,557	\$342,447	\$344,004	0.455%
Small Commercial (GN-1\3)	57,841	596	\$104,390	\$104,986	0.571%
NGV Vehicles (NGV)	778	8	\$4,142	\$4,150	0.193%
Comm Aggreg Trans (GTARC)	6,880	71	\$13,924	\$13,995	0.509%
Total Core Commercial	\$65,499	\$675	\$122,456	\$123,130	0.551%
TOTAL CORE	\$216,618	\$2,231	\$464,903	\$467,134	0.480%
Noncore Noncogen Com. (GPNC)	1,775	18	\$2,488	\$2,507	0.735%
Power Plant	0	-	\$5,763	\$5,763	0.000%
NonCogen Trans. (GTNC)	245	3	\$267	\$269	0.946%
Cogen Trans. (GTCG\EG) (excl. Rosarito)	4,840	50	\$9,117	\$9,167	0.547%
TOTAL NONCORE	\$6,860	\$71	\$17,636	\$17,706	0.401%
TOTAL GAS	\$223,478	\$2,302	\$482,538	\$484,840	0.477%

SDG&E Residential Bill Impact
2020 TCAP Application

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer.
- 3) BL usage limits reflect Zone 1
- 4) G-SRF rate for 01/2018

	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	Dec
INPUT:																	
Minimum Bill \$/day =						\$0.32877	\$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 =						\$0.49019	\$0.49019	\$0.49019	\$0.49019	\$0.49019	\$0.49019	\$0.49019	\$0.49019	\$0.49019	\$0.49019	\$0.49019	\$0.49019
NBL Rate \$/th =						\$1.07719	\$1.07719	\$1.07719	\$1.07719	\$1.07719	\$1.07719	\$1.07719	\$1.07719	\$1.07719	\$1.07719	\$1.07719	\$1.07719
G-CP \$/th =						\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827
PPPS Non-CARE \$/th =						\$0.06758	\$0.06758	\$0.06758	\$0.06758	\$0.06758	\$0.06758	\$0.06758	\$0.06758	\$0.06758	\$0.06758	\$0.06758	\$0.06758
G-SRF \$/th =						\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166
BL Usage limit th/day =						1.546	1.546	1.546	1.546	0.493	0.493	0.493	0.493	0.493	0.493	1.546	1.546
# days in month =						31	28	31	30	31	30	31	31	30	31	30	31
BL usage limit th/mo =						48	43	48	46	15	15	15	15	15	15	46	48
CARE Discount						20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
PPPS CARE \$/th =						\$0.05951	\$0.05951	\$0.05951	\$0.05951	\$0.05951	\$0.05951	\$0.05951	\$0.05951	\$0.05951	\$0.05951	\$0.05951	\$0.05951

SDG&E Residential Class Average:

Total th used th/mo =	16	33	50	24	291	50	38	31	25	20	18	16	14	14	14	19	34
BL therms =	14	32	48	23	281	48	38	31	25	15	15	15	14	14	14	19	34
NBL therms =	1	0	2	1	11	2	0	0	0	5	3	1	0	0	0	0	0

charges

Minimum Bill or Cust charge \$/day	\$10.08	\$9.92	\$10.19	\$10.00	\$120.00	\$10.19	\$9.21	\$10.19	\$9.86	\$10.19	\$9.86	\$10.19	\$10.19	\$9.86	\$10.19	\$9.86	\$10.19
BL charges \$/mo =	\$7.05	\$15.89	\$23.53	\$11.47	\$137.64	\$23.53	\$18.56	\$15.35	\$12.06	\$7.35	\$7.35	\$7.35	\$6.63	\$6.67	\$6.93	\$9.41	\$16.45
NBL charge \$/mo =	\$1.47	\$0.41	\$2.48	\$0.94	\$11.31	\$2.48	\$0.00	\$0.00	\$0.00	\$5.43	\$2.77	\$0.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$4.38	\$9.13	\$14.00	\$6.76	\$81.06	\$14.00	\$10.54	\$8.71	\$6.85	\$5.58	\$4.89	\$4.34	\$3.77	\$3.78	\$3.93	\$5.34	\$9.34
PPPS charge \$/mo =	\$1.06	\$2.22	\$3.40	\$1.64	\$19.69	\$3.40	\$2.56	\$2.12	\$1.66	\$1.35	\$1.19	\$1.05	\$0.91	\$0.92	\$0.95	\$1.30	\$2.27
G-PUC Regulatory Fee \$/mo =	\$0.03	\$0.05	\$0.08	\$0.04	\$0.48	\$0.08	\$0.06	\$0.05	\$0.04	\$0.03	\$0.03	\$0.03	\$0.02	\$0.02	\$0.02	\$0.03	\$0.06
Total Charge \$/mo =	\$24.07	\$37.63	\$53.69	\$30.85	\$370.19	\$53.69	\$40.92	\$36.42	\$30.48	\$29.94	\$26.09	\$23.59	\$21.53	\$21.26	\$22.03	\$25.94	\$38.30

SDG&E Residential Single Family:

Total th used th/mo =	17	36	57	26	318	57	42	34	27	22	19	17	14	14	15	20	37
BL therms =	15	35	48	25	297	48	42	34	27	15	15	15	14	14	15	20	37
NBL therms =	2	1	9	2	21	9	0	0	0	7	4	2	0	0	0	0	0

charges

Customer charge/Minimum Bill \$/d	\$10.08	\$9.92	\$10.19	\$10.00	\$120.00	\$10.19	\$9.21	\$10.19	\$9.86	\$10.19	\$9.86	\$10.19	\$10.19	\$9.86	\$10.19	\$9.86	\$10.19
BL charges \$/mo =	\$7.25	\$17.03	\$23.53	\$12.14	\$145.71	\$23.53	\$20.60	\$16.87	\$13.01	\$7.35	\$7.35	\$7.35	\$7.05	\$7.08	\$7.33	\$10.03	\$18.14
NBL charge \$/mo =	\$2.18	\$1.53	\$9.19	\$1.85	\$22.25	\$9.19	\$0.00	\$0.00	\$0.00	\$7.08	\$4.12	\$1.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$4.68	\$10.06	\$15.73	\$7.37	\$88.46	\$15.73	\$11.70	\$9.58	\$7.39	\$6.00	\$5.24	\$4.66	\$4.00	\$4.02	\$4.16	\$5.69	\$10.30
PPPS charge \$/mo =	\$1.14	\$2.44	\$3.82	\$1.79	\$21.48	\$3.82	\$2.84	\$2.33	\$1.79	\$1.46	\$1.27	\$1.13	\$0.97	\$0.98	\$1.01	\$1.38	\$2.50
G-PUC Regulatory Fee \$/mo =	\$0.03	\$0.06	\$0.09	\$0.04	\$0.53	\$0.09	\$0.07	\$0.06	\$0.04	\$0.04	\$0.03	\$0.03	\$0.02	\$0.02	\$0.02	\$0.03	\$0.06
C&T charge \$/mo =	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Charge \$/mo =	\$25.36	\$41.05	\$62.56	\$33.20	\$398.44	\$62.56	\$44.41	\$39.03	\$32.10	\$32.12	\$27.87	\$25.22	\$22.24	\$21.96	\$22.71	\$27.00	\$41.20

SDG&E Residential Multi Family:

Total th used th/mo =	12	19	26	15	185	26	21	19	16	14	13	11	10	10	11	14	20
BL therms =	10	19	26	15	178	26	21	19	16	11	10	11	10	10	11	14	20
NBL therms =	1	0	0	1	6	0	0	0	0	3	3	0	0	0	0	0	0

BL Usage limit th/day =						1.082	1.082	1.082	1.082	0.345	0.345	0.345	0.345	0.345	0.345	1.082	1.082
# days in month =						31	28	31	30	31	30	31	31	30	31	30	31
BL usage limit th/mo =						34	30	34	32	11	10	11	11	10	11	32	34

charges

Customer charge/Minimum Bill \$/d	\$10.08	\$9.92	\$10.19	\$10.00	\$120.00	\$10.19	\$9.21	\$10.19	\$9.86	\$10.19	\$9.86	\$10.19	\$10.19	\$9.86	\$10.19	\$9.86	\$10.19
BL charges \$/mo =	\$5.13	\$9.45	\$12.71	\$7.29	\$87.48	\$12.71	\$10.43	\$9.16	\$7.85	\$5.39	\$4.90	\$5.39	\$4.91	\$4.90	\$5.27	\$6.84	\$9.72
NBL charge \$/mo =	\$1.13	\$0.00	\$0.00	\$0.56	\$6.77	\$0.00	\$0.00	\$0.00	\$0.00	\$3.14	\$3.02	\$0.27	\$0.00	\$0.34	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$3.20	\$5.37	\$7.22	\$4.28	\$51.41	\$7.22	\$5.92	\$5.20	\$4.46	\$3.87	\$3.56	\$3.13	\$2.79	\$2.87	\$2.99	\$3.88	\$5.52
PPPS charge \$/mo =	\$0.78	\$1.30	\$1.75	\$1.04	\$12.48	\$1.75	\$1.44	\$1.26	\$1.08	\$0.94	\$0.87	\$0.76	\$0.68	\$0.70	\$0.73	\$0.94	\$1.34
G-PUC Regulatory Fee \$/mo =	\$0.02	\$0.03	\$0.04	\$0.03	\$0.31	\$0.04	\$0.03	\$0.03	\$0.03	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.03
Total Charge \$/mo =	\$20.34	\$26.07	\$31.91	\$23.20	\$278.45	\$31.91	\$27.02	\$25.84	\$23.29	\$23.56	\$22.24	\$19.76	\$18.59	\$18.68	\$19.20	\$21.55	\$26.80

SDG&E Residential CARE:

Total th used th/mo =	15	27	39	21	254	39	31	27	22	19	17	15	13	13	13	18	27
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**SDG&E Residential Bill Impact
2020 TCAP Application**

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer.
- 3) BL usage limits reflect Zone 1
- 4) G-SRF rate for 01/2018

BL therms =	14	27	39	21	249	39	31	27	22	15	15	15	13	13	13	18	27
NBL therms =	1	0	0	0	6	0	0	0	0	4	2	0	0	0	0	0	0
<u>charges</u>																	
Customer charge/Minimum Bill \$/d	\$8.07	\$7.93	\$8.15	\$8.00	\$96.00	\$8.15	\$7.36	\$8.15	\$7.89	\$8.15	\$7.89	\$8.15	\$8.15	\$7.89	\$8.15	\$7.89	\$8.15
BL charges \$/mo =	\$5.51	\$10.77	\$15.36	\$8.14	\$97.63	\$15.36	\$12.27	\$10.55	\$8.68	\$5.88	\$5.88	\$5.84	\$5.07	\$5.08	\$5.28	\$6.96	\$10.78
NBL charge \$/mo =	\$0.80	\$0.00	\$0.00	\$0.40	\$4.78	\$0.00	\$0.00	\$0.00	\$0.00	\$3.29	\$1.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$3.33	\$6.11	\$8.72	\$4.72	\$56.66	\$8.72	\$6.96	\$5.99	\$4.93	\$4.19	\$3.73	\$3.31	\$2.88	\$2.88	\$3.00	\$3.95	\$6.12
PPPS charge \$/mo =	\$0.89	\$1.63	\$2.33	\$1.26	\$15.14	\$2.33	\$1.86	\$1.60	\$1.32	\$1.12	\$1.00	\$0.89	\$0.77	\$0.77	\$0.80	\$1.06	\$1.64
G-PUC Regulatory Fee \$/mo =	\$0.02	\$0.05	\$0.07	\$0.04	\$0.42	\$0.07	\$0.05	\$0.04	\$0.04	\$0.03	\$0.03	\$0.02	\$0.02	\$0.02	\$0.02	\$0.03	\$0.05
C&T charge \$/mo=	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Charge \$/mo =	\$18.62	\$26.49	\$34.62	\$22.55	\$270.63	\$34.62	\$28.51	\$26.33	\$22.86	\$22.66	\$20.02	\$18.21	\$16.90	\$16.65	\$17.25	\$19.89	\$26.73

**SDG&E Commercial Bill Impact
2020 TCAP Application**

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer. Current rate in 2018
- 3) G-SRF rate in 2018
- 4) Month Average = annual \$amount/12 and Monthly Avg Rate = \$amount/#therms.

	Typical Winter Month (nov-apr)	Typical Summer Month (may-oct)	Monthly Average	Annual Charges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Medium C&I average bill \$/month - 1,000 th/month	Large C&I average bill \$/month - 6,250 th/month	Large and Medium C&I average bill \$/month - 7,250 th/month
SDG&E Core C&I - Current Rates:																			
Customer Charge \$/mo. =	\$10.00	\$10.00	\$10.00		\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 Rate \$/th =	\$0.33142	\$0.33142	\$0.33142		\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142	\$0.33142
Tier 2 Rate \$/th =	\$0.20022	\$0.20022	\$0.20022		\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022	\$0.20022
Tier 3 Rate \$/th =	\$0.16315	\$0.16315	\$0.16315		\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315	\$0.16315
G-CPC \$/th =	\$0.27827	\$0.27827	\$0.27827		\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827
PPPS \$/th =	\$0.05956	\$0.05956	\$0.05956		\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956
G-PUC Regulatory fee \$/th =	\$0.00166	\$0.00166	\$0.00166		\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166
Effective Average Rate \$/th	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425	\$0.70425
# days in month =	30	30	30.42	365	31	28	31	30	31	30	31	31	30	31	30	31	31	31	31
Tier Usage Limits (i.e. maximum # of therms charged at each tier):																			
Tier 1 usage limit th/mo =	1,000	1,000	1,000	12,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Tier 2 usage limit th/mo =	21,000	21,000	21,000	252,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Tier 3 no limit																			
Total th used th/mo =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Tier 1 therms =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
therms remaining to be classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tier 2 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tier 3 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
therms accounted for	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Customer Charge \$/mo =	\$10	\$10	\$10	\$120	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 charges \$/mo =	\$99.43	\$99.43	\$99	\$1,193	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43	\$99.43
Tier 2 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$83.48	\$83.48	\$83	\$1,002	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48
PPPS charge \$/mo =	\$17.87	\$17.87	\$18	\$214	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87
G-PUC Regulatory Fee \$/mo =	\$0.50	\$0.50	\$0	\$6	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
Total Charge \$/mo =	\$211.27	\$211.27	\$211.27	\$2,535.30	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$211.27	\$680.92	\$3,514.39	\$4,054.11

**SDG&E Commercial Bill Impact
2020 TCAP Application**

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer. Current rate in 2018
- 3) G-SRF rate in 2018
- 4) Month Average = annual \$amount/12 and Monthly Avg Rate = \$a

	2014			
	Small C&I average bill \$/month - 300 th/month	Medium C&I average bill \$/month - 1,000 th/month	Large C&I average bill \$/month - 6,250 th/month	Large and Medium C&I average bill \$/month - 7,250 th/month
SDG&E Core C&I - Current Rates:				
Customer Charge \$/mo. =	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 Rate \$/th =	\$0.31615	\$0.31615	\$0.31615	\$0.31615
Tier 2 Rate \$/th =	\$0.16299	\$0.16299	\$0.16299	\$0.16299
Tier 3 Rate \$/th =	\$0.11972	\$0.11972	\$0.11972	\$0.11972
G-CPC \$/th =	\$0.49583	\$0.49583	\$0.49583	\$0.49583
PPPS \$/th =	\$0.08626	\$0.08626	\$0.08626	\$0.08626
G-PUC Regulatory fee \$/th =	\$0.00068	\$0.00068	\$0.00068	\$0.00068
Effective Average Rate \$/th	\$0.70425	\$0.70425	\$0.70425	\$0.70425
 # days in month =	31	31	31	31
Tier Usage Limits (i.e. maximum # of therms charged at each tier):				
Tier 1 usage limit th/mo =	1,000	1,000	1,000	1,000
Tier 2 usage limit th/mo =	21,000	21,000	21,000	21,000
Tier 3 no limit				
 Total th used th/mo =	300	1,000	6,250	7,250
Tier 1 therms =	300	1,000	1,000	1,000
therms remaining to be classified	0	0	5,250	6,250
Tier 2 therms =	0	0	5,250	6,250
Tier 3 therms =	0	0	0	0
therms accounted for	300	1,000	6,250	7,250
 Customer Charge \$/mo =	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 charges \$/mo =	\$94.85	\$316.15	\$316.15	\$316.15
Tier 2 charges \$/mo =	\$0.00	\$0.00	\$855.68	\$1,018.67
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$148.75	\$495.83	\$3,098.91	\$3,594.73
PPPS charge \$/mo =	\$25.88	\$86.26	\$539.11	\$625.37
G-PUC Regulatory Fee \$/mo =	\$0.20	\$0.68	\$4.25	\$4.93
Total Charge \$/mo =	\$279.67	\$908.92	\$4,824.10	\$5,569.85

**SDG&E Commercial Bill Impact
2020 TCAP Application**

Notes:

- 1) G-CP rate from TCAP
- 2) PPPS rate for non-care customer. Current rate in 2018
- 3) G-SRF rate in 2018
- 4) Month Average = annual \$amount/12 and Monthly Avg Rate = \$amount/#therms.

	Typical Winter Month (nov-apr)	Typical Summer Month (may-oct)	Monthly Average	Annual Charges	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Medium C&I average bill \$/month - 1,000 th/month	Large C&I average bill \$/month - 6,250 th/month	Large and Medium C&I average bill \$/month - 7,250 th/month
SDG&E Core C&I - Proposed Rates:																			
Customer Charge Tier 1 \$/day =	\$10.00	\$10.00	\$0.32877		\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 Rate \$/th =	\$0.39590	\$0.39590	\$0.39590		\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590	\$0.39590
Tier 2 Rate \$/th =	\$0.23417	\$0.23417	\$0.23417		\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417	\$0.23417
Tier 3 Rate \$/th =	\$0.18849	\$0.18849	\$0.18849		\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849	\$0.18849
G-CPC \$/th =	\$0.27827	\$0.27827	\$0.27827		\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827	\$0.27827
PPPS \$/th =	\$0.05956	\$0.05956	\$0.05956		\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956	\$0.05956
G-PUC Regulatory fee \$/th =	\$0.00166	\$0.00166	\$0.00166		\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166	\$0.00166
Effective Average Rate \$/th	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873	\$0.76873
# days in month =	30	30	30	365	31	28	31	30	31	30	31	31	30	31	30	31	31	31	31
Tier Usage Limits (i.e. maximum # of therms charged at each tier):																			
Tier 1 usage limit th/mo =	1,000	1,000	1,000	12,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Tier 2 usage limit th/mo =	21,000	21,000	21,000	252,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Tier 3 no limit																			
Total th used th/mo =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	1,000	6,250	7,250
Tier 1 therms =	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	1,000	1,000	1,000
therms remaining to be classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,250	6,250
Tier 2 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,250	6,250
Tier 3 therms =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
therms accounted for	300	300	300	3,600	300	300	300	300	300	300	300	300	300	300	300	300	1,000	6,250	7,250
Customer Charge \$/mo =	\$10	\$10	\$10	\$120	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Tier 1 charges \$/mo =	\$118.77	\$118.77	\$119	\$1,425	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$118.77	\$395.90	\$395.90	\$395.90
Tier 2 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,229.41	\$1,463.58
Tier 3 charges \$/mo =	\$0.00	\$0.00	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Commodity Charge \$/mo =	\$83.48	\$83.48	\$83	\$1,002	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$83.48	\$278.27	\$1,739.19	\$2,017.46
PPPS charge \$/mo =	\$17.87	\$17.87	\$18	\$214	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$17.87	\$59.56	\$372.27	\$431.83
G-PUC Regulatory Fee \$/mo =	\$0.50	\$0.50	\$0	\$6	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$1.66	\$10.38	\$12.04
Total Charge \$/mo =	\$230.62	\$230.62	\$230.62	\$2,767.43	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$230.62	\$745.40	\$3,757.15	\$4,330.82
Increase (decrease) from Current Rates \$/month	\$19.34	\$19.34	\$19.34	\$232.13															
% Increase (decrease) from Current	9.2%	9.2%	9.2%	9.2%															

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	\$175,758	\$111	\$10,038	\$185,908
Medium Pressure Distribution Costs	\$59,988	\$413	\$18,109	\$78,510
High Pressure Distribution Costs	\$6,039	\$107	\$1,857	\$8,004
Backbone Transmission Costs	\$12,830	\$670	\$6,871	\$20,371
Local Transmission Costs	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
NGV	\$0	\$494	\$0	\$494
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$254,615	\$1,796	\$36,875	\$293,287
Less Backbone Transmission Costs	(\$12,830)	(\$670)	(\$6,871)	(\$20,371)
Less Local Transmission Costs	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$3,508	\$109	\$1,388	\$5,005
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$245,294	\$1,236	\$31,392	\$277,921

79%

Other Operating Costs and Revenues

	<i>Non-ECPT?</i>	Add FFU Y or N?	Amount to Allocate (w/o F&U)				
SCG Transport excl Core Storage & Load Balance \$000		Y	\$8,386	\$2,221	\$128	\$1,268	\$3,617
SCG Core Seasonal Storage		Y	\$6,624	\$5,367	\$81	\$1,328	\$6,776
SCG Load Balancing Allocated to ALL SDGE \$000		Y	\$3,548	\$940	\$54	\$536	\$1,530
n/a							
LUAUF		Y	\$2,081	\$1,003	\$58	\$572	\$1,633
Company Use Gas: Other		Y	\$200	\$53	\$3	\$30	\$86
AMI rev req incl FF&U AL 1693-G	Y	Y	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)		Y	\$560	\$243	\$14	\$139	\$396
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAUF Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	\$824	(\$252)	\$96	(\$156)	\$668	\$186,576
Medium Pressure Distribution Costs	\$1,184	\$800	\$465	\$1,265	\$2,449	\$80,959
High Pressure Distribution Costs	\$164	\$126	\$431	\$557	\$721	\$8,725
Backbone Transmission Costs	\$1,629	\$771	\$23,494	\$24,265	\$25,894	\$46,266
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$494
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	\$3,802	\$1,444	\$24,487	\$25,931	\$29,733	\$323,020
Less Backbone Transmission Costs	(\$1,629)	(\$771)	(\$23,494)	(\$24,265)	(\$25,894)	(\$46,266)
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$270	\$120	\$4,101	\$4,221	\$4,491	\$9,496
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	\$2,443	\$793	\$5,093	\$5,886	\$8,329	\$286,250

Other Operating Costs and Revenues							F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storage & Load Balance \$000	\$312	\$148	\$4,502	\$4,649	\$4,962	\$8,579	\$192	\$8,386
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$6,776	\$152	\$6,624
SCG Load Balancing Allocated to ALL SDGE \$000	\$132	\$62	\$1,905	\$1,967	\$2,099	\$3,629	\$81	\$3,548
n/a								
LUAUF	\$31	\$15	\$450	\$465	\$496	\$2,129	\$48	\$2,081
Company Use Gas: Other	\$7	\$4	\$107	\$111	\$118	\$205	\$5	\$200
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	\$34	\$13	\$130	\$143	\$177	\$573	\$13	\$560
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAUF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SDG&E Cost Allocation

Allocation %

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Embedded Costs:									
Customer Related Costs	EC Model	0							
Medium Pressure Distribution Costs	EC Model	0							
High Pressure Distribution Costs	EC Model	0							
Backbone Transmission Costs	EC Model	0							
Local Transmission Costs	EC Model	0							
Storage - Borrego	EC Model	0							
Core Seasonal Storage	EC Model	0							
Storage - Load Balancing	EC Model	0							
NGV	EC Model	0							
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU									
Less Backbone Transmission Costs									
Less Local Transmission Costs									
Plus Local Transmission Costs w/SI,FFU	SCG/ SI & FAR								
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU									
Other Operating Costs and Revenues									
SCG Transport excl Core Storge & Load Balance \$000	SCG RD Model/RUN	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
SCG Core Seasonal Storage	SCG RD Model/RUN	% CYPD MP Res & CCI	100.0%	79.2%	1.2%	19.6%	100.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	SCG RD Model/RUN	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
n/a									
LUAF	Misc Inputs	Method #3 -76.7% core @ ECPT / 23.	100.0%	47.1%	2.7%	26.9%	76.7%	1.5%	0.7%
Company Use Gas: Other	Misc Inputs	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
AMI rev req incl FF&U AL 1693-G	Misc Inputs, AL 1693-G	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
AB32 Fees (subtracted from base margin and allocated here)		ECPT AB32 Fee Non-Exempt	100.0%	42.4%	2.5%	24.2%	69.1%	6.0%	2.3%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	Misc Inputs	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	Misc Inputs	ECPT GHG Fee Non-Exempt	100.0%	55.5%	3.2%	31.7%	90.4%	4.7%	3.5%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	Misc Inputs	Method #3 -76.7% core @ ECPT / 23.	100.0%	47.1%	2.7%	26.9%	76.7%	1.5%	0.7%

SDG&E Cost Allocation

July, 2018 Rates

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

Other Operating Costs and Revenues

SCG Transport excl Core Storage & Load Balance \$000	52.5%	0.0%	57.8%
SCG Core Seasonal Storage	0.0%	0.0%	0.0%
SCG Load Balancing Allocated to ALL SDGE \$000	52.5%	0.0%	57.8%
n/a			
LUAF	21.1%	21.8%	23.3%
Company Use Gas: Other	52.5%	0.0%	57.8%
AMI rev req incl FF&U AL 1693-G	1.8%	0.0%	2.9%
AB32 Fees (subtracted from base margin and allocated here)	22.6%	25.0%	30.9%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	52.5%	0.0%	57.8%
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	1.4%	4.9%	9.6%
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	21.1%	21.8%	23.3%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core	
Subtotal Other Operating Costs and Revenues				\$21,399	\$9,826	\$339	\$3,873	\$14,038
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$568	\$498	\$3	\$64	\$564	\$564
Baseline Balance BA		Y	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)		Y	\$25,990	\$16,925	\$0	\$9,662	\$26,587	\$26,587
CFCA -NGV only		Y	\$666	\$0	\$681	\$0	\$681	\$681
CFCA -Nonmargin Other		Y	\$566	\$356	\$21	\$203	\$579	\$579
CFCA -Nonmargin SCG		Y	\$29	\$18	\$1	\$10	\$29	\$29
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)		Y	\$830	\$314	\$10	\$124	\$447	\$447
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		Y	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User		Y	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF		Y	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA		Y	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C		Y	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA		Y	\$509	\$135	\$8	\$77	\$219	\$219
Master Meter Balancing Account (MMBA)	Y	Y	\$987	\$865	\$4	\$111	\$980	\$980
Natural Gas Supp Refund Track Acct		Y	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other		Y	\$268	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG		Y	\$2,604	\$0	\$0	\$0	\$0	\$0
NGVA		Y	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC		Y	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	Y	Y	(\$519)	(\$455)	(\$2)	(\$58)	(\$515)	(\$515)
Pension BA	Y	Y	\$4,070	\$3,568	\$18	\$457	\$4,042	\$4,042
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission		Y	\$219	\$83	\$3	\$33	\$118	\$118
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$1,616	\$611	\$19	\$241	\$871	\$871
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$14,531	\$10,288	\$183	\$3,164	\$13,636	\$13,636
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission		Y	\$504	\$191	\$6	\$75	\$272	\$272
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution		Y	\$1,672	\$1,184	\$21	\$364	\$1,569	\$1,569
RD&D 1-Way Bal Acct (Pre-2001)		Y	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	Y	\$396	\$348	\$2	\$44	\$394	\$394
Self Gen Memo Acct - SGPMA-CSI	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	Y	\$2,265	\$1,985	\$10	\$254	\$2,250	\$2,250
Gain/Loss on Sale Memo Acct GLOSMA	Y	Y	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA		Y	\$319	\$90	\$5	\$48	\$144	\$144

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Subtotal Other Operating Costs and Revenues	\$517	\$242	\$7,093	\$7,335	\$7,852	\$21,890	\$491	\$21,399
Regulatory Accounts								
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	\$5	\$2	\$10	\$12	\$17	\$581	\$13	\$568
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only (non-NGV)	\$0	\$0	\$0	\$0	\$0	\$26,587	\$596	\$25,990
CFCA -NGV only	\$0	\$0	\$0	\$0	\$0	\$681	\$15	\$666
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$579	\$13	\$566
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$29	\$1	\$29
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$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)	\$24	\$11	\$366	\$377	\$401	\$849	\$19	\$830
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	\$19	\$9	\$273	\$282	\$301	\$520	\$12	\$509
Master Meter Balancing Account (MMBA)	\$9	\$3	\$18	\$21	\$29	\$1,010	\$23	\$987
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$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
NFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	\$17	\$8	\$249	\$257	\$275	\$275	\$6	\$268
NFCA -Nonmargin SCG	\$168	\$79	\$2,417	\$2,496	\$2,664	\$2,664	\$60	\$2,604
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	(\$5)	(\$1)	(\$9)	(\$11)	(\$15)	(\$531)	(\$12)	(\$519)
Pension BA	\$36	\$12	\$74	\$86	\$121	\$4,163	\$93	\$4,070
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$6	\$3	\$97	\$100	\$106	\$224	\$5	\$219
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$47	\$21	\$714	\$735	\$782	\$1,653	\$37	\$1,616
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	\$280	\$214	\$735	\$949	\$1,228	\$14,864	\$333	\$14,531
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$15	\$6	\$223	\$229	\$244	\$516	\$12	\$504
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	\$32	\$25	\$85	\$109	\$141	\$1,711	\$38	\$1,672
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	\$3	\$1	\$7	\$8	\$12	\$406	\$9	\$396
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	\$20	\$6	\$41	\$48	\$67	\$2,317	\$52	\$2,265
Gain/Loss on Sale Memo Acct GLO SMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$11	\$5	\$166	\$171	\$182	\$326	\$7	\$319

SDG&E Cost Allocation

Allocation %

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Subtotal Other Operating Costs and Revenues									
Regulatory Accounts									
Adv Mtring Infrastructure Balancing Acct AMIBA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
On-Bill Financing Balancing Account (OBFBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Baseline Balance BA	Reg. Acct Filing 10/2017	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
CFCA -Margin Only (non-NGV)	Reg. Acct Filing 10/2017	ECPT-Core (non NGV)	100.0%	63.7%	0.0%	36.3%	100.0%	0.0%	0.0%
CFCA -NGV only	Reg. Acct Filing 10/2017	NGV only	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	61.4%	3.6%	35.0%	100.0%	0.0%	0.0%
CFCA -Nonmargin SCG	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	61.4%	3.6%	35.0%	100.0%	0.0%	0.0%
Environmental Fee Balance Account EFBA	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	42.4%	2.5%	24.2%	69.1%	6.0%	2.3%
Disconnect Memorandum Account (DMA)	Reg. Acct Filing 10/2017	100% Res	100.0%	100.0%	0.0%	0.0%	100.0%	0.0%	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	Reg. Acct Filing 10/2017	CYPM	100.0%	36.9%	1.2%	14.6%	52.7%	2.8%	1.3%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Green House Gas Balancing Account (GHGBA) - End User	Reg. Acct Filing 10/2017	ECPT GHG Fee Non-Exempt	100.0%	55.5%	3.2%	31.7%	90.4%	4.7%	3.5%
Green House Gas Balancing Account (GHGBA) - LUAF	Reg. Acct Filing 10/2017	Method #3 -76.7% core @ ECPT / 23.	100.0%	47.1%	2.7%	26.9%	76.7%	1.5%	0.7%
FERC Settlement Proceeds MA	Reg. Acct Filing 10/2017	CAT allocation	100.0%	5.5%	23.5%	70.9%	100.0%	0.0%	0.0%
Core Gas Storage Balancing Acct. GSBA-C	Reg. Acct Filing 10/2017	ECPT-Core	100.0%	61.4%	3.6%	35.0%	100.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Master Meter Balancing Account (MMBA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Natural Gas Supp Refund Track Acct	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	42.4%	2.5%	24.2%	69.1%	6.0%	2.3%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
NFCA -Margin Only	Reg. Acct Filing 10/2017	EPAM Noncore Only	100.0%	0.0%	0.0%	0.0%	0.0%	29.3%	9.5%
NFCA -Nonmargin Other	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	6.3%	3.0%
NFCA -Nonmargin SCG	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	6.3%	3.0%
NGVA	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Non-Core Gas Storage Balancing Acct GSBA-NC	Reg. Acct Filing 10/2017	ECPT-Noncore	100.0%	0.0%	0.0%	0.0%	0.0%	6.3%	3.0%
PBOPBA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Pension BA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	36.9%	1.2%	14.6%	52.7%	2.8%	1.3%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	69.2%	1.2%	21.3%	91.7%	1.9%	1.4%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	36.9%	1.2%	14.6%	52.7%	2.8%	1.3%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	69.2%	1.2%	21.3%	91.7%	1.9%	1.4%
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	Reg. Acct Filing 10/2017	CYPM	100.0%	36.9%	1.2%	14.6%	52.7%	2.8%	1.3%
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	Reg. Acct Filing 10/2017	% HPD Peak Day	100.0%	69.2%	1.2%	21.3%	91.7%	1.9%	1.4%
RD&D 1-Way Bal Acct (Pre-2001)	Reg. Acct Filing 10/2017	ECPT	100.0%	25.9%	1.5%	14.8%	42.2%	3.6%	1.7%
Rewards & Penalties Bal Acct RPBA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Self Gen Memo Acct - SGPMA-CSI	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Self Gen Memo Acct - SGPMA-NonCSI	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
SGPMA - Rev Req for NEXT Year	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Gain/Loss on Sale Memo Acct GLOSMA	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Integrated Transmission Margin ITBA	Reg. Acct Filing 10/2017	CYTP	100.0%	27.7%	1.4%	14.9%	44.0%	3.5%	1.7%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
Subtotal Other Operating Costs and Revenues			
Regulatory Accounts			
Adv Mtring Infrastructure Balancing Acct AMIBA	1.8%	0.0%	2.9%
On-Bill Financing Balancing Account (OBFBA)	1.8%	0.0%	2.9%
Baseline Balance BA	0.0%	0.0%	0.0%
CFCA -Margin Only (non-NGV)	0.0%	0.0%	0.0%
CFCA -NGV only	0.0%	0.0%	0.0%
CFCA -Nonmargin Other	0.0%	0.0%	0.0%
CFCA -Nonmargin SCG	0.0%	0.0%	0.0%
Environmental Fee Balance Account EFBA	22.6%	25.0%	30.9%
Disconnect Memorandum Account (DMA)	0.0%	0.0%	0.0%
Distribution Integrity Management Program Memorandum Account (DIMPBA)	1.8%	0.0%	2.9%
Transmission Integrity Management Program Memorandum Account (TIMPBA)	43.2%	0.0%	47.3%
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	52.5%	0.0%	57.8%
Green House Gas Balancing Account (GHGBA) - End User	1.4%	4.9%	9.6%
Green House Gas Balancing Account (GHGBA) - LUAF	21.1%	21.8%	23.3%
FERC Settlement Proceeds MA	0.0%	0.0%	0.0%
Core Gas Storage Balancing Acct. GSBA-C	0.0%	0.0%	0.0%
Hazardous Substance Cleanup Cost Acct HSCCA	52.5%	0.0%	57.8%
Master Meter Balancing Account (MMBA)	1.8%	0.0%	2.9%
Natural Gas Supp Refund Track Acct	52.5%	0.0%	57.8%
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	22.6%	25.0%	30.9%
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	1.8%	0.0%	2.9%
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	1.8%	0.0%	2.9%
NFCA -Margin Only	61.2%	70.7%	100.0%
NFCA -Nonmargin Other	90.7%	0.0%	100.0%
NFCA -Nonmargin SCG	90.7%	0.0%	100.0%
NGVA	52.5%	0.0%	57.8%
Non-Core Gas Storage Balancing Acct GSBA-NC	90.7%	0.0%	100.0%
PBOPBA	1.8%	0.0%	2.9%
Pension BA	1.8%	0.0%	2.9%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	43.2%	0.0%	47.3%
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	4.9%	6.4%	8.3%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	43.2%	0.0%	47.3%
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	4.9%	6.4%	8.3%
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	43.2%	0.0%	47.3%
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	4.9%	6.4%	8.3%
RD&D 1-Way Bal Acct (Pre-2001)	52.5%	0.0%	57.8%
Rewards & Penalties Bal Acct RPBA	1.8%	0.0%	2.9%
Self Gen Memo Acct - SGPMA-CSI	1.8%	0.0%	2.9%
Self Gen Memo Acct - SGPMA-NonCSI	1.8%	0.0%	2.9%
SGPMA - Rev Req for NEXT Year	1.8%	0.0%	2.9%
Gain/Loss on Sale Memo Acct GLOSMA	1.8%	0.0%	2.9%
Integrated Transmission Margin ITBA	50.8%	0.0%	56.0%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core
Integrated Transmission Nonmargin ITBA		Y	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Y	N	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees		N	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account		Y	\$1,601	\$855	\$38	\$605	\$1,498
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	Y	Y	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts			\$59,691	\$37,858	\$1,028	\$15,479	\$54,365
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr				\$292,977	\$2,603	\$50,744	\$346,324
AVERAGE YEAR THROUGHPUT, Mth/yr				319,982	18,501	182,660	521,144
Average Rate \$/th				\$0.91560	\$0.14069	\$0.27781	\$0.66455
FFU Rate				102.29%	102.29%	102.29%	102.29%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memoradum Account	\$140	\$0	\$0	\$0	\$140	\$1,638	\$37	\$1,601
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$828	\$403	\$5,465	\$5,868	\$6,696	\$61,061	\$1,370	\$59,691
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$3,788	\$1,438	\$17,651	\$19,089	\$22,877	\$369,201		
AVERAGE YEAR THROUGHPUT, Mth/yr	44,975	21,281	648,600	669,882	714,857	1,236,000		
Average Rate \$/th	\$0.08422	\$0.06757	\$0.02721	\$0.02850	\$0.03200	\$0.29871		
FFU Rate	102.29%	102.29%	102.29%	102.29%	102.29%	102.29%		

SDG&E Cost Allocation

Allocation %

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Source	Allocation	Total System	Res	NGV	Core C&I	Total Core	NCCI	EG <3 mmth/yr
Integrated Transmission Nonmargin ITBA	Reg. Acct Filing 10/2017	CYTP	100.0%	27.7%	1.4%	14.9%	44.0%	3.5%	1.7%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
GRCRRMA Sub allocation for AB32 Admin Fees	Reg. Acct Filing 10/2017	ECPT AB32 Fee Non-Exempt	100.0%	42.4%	2.5%	24.2%	69.1%	6.0%	2.3%
CSI Thermal Program memoradum Account	Reg. Acct Filing 10/2017	ECPT ex CARE, EG, Cost. Exempt	100.0%	52.2%	2.3%	36.9%	91.4%	8.6%	0.0%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%
Z-Factor Memorandum Account	Reg. Acct Filing 10/2017	EPAM	100.0%	85.7%	0.4%	11.0%	97.1%	0.9%	0.3%

Total Regulatory Accounts

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

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate MISC Inputs

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	EG>=3 mmth/yr	Total EG	Total NonCore
Integrated Transmission Nonmargin ITBA	50.8%	0.0%	56.0%
General Rate Case Revenue Requirement Memorandum Account (GRCMA)	1.8%	0.0%	2.9%
GRCRRMA Sub allocation for AB32 Admin Fees	22.6%	25.0%	30.9%
CSI Thermal Program memoradum Account	0.0%	0.0%	8.6%
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	1.8%	0.0%	2.9%
Z-Factor Memorandum Account	1.8%	0.0%	2.9%
Total Regulatory Accounts			

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

AVERAGE YEAR THROUGHPUT, Mth/yr

Average Rate \$/th

FFU Rate

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$292,977	\$2,603	\$50,744	\$346,324
SW NGV Adjustment		\$262		\$262
SW EG Adjustment				\$0
TLS Adjustment				
Amount allocated to TLS Class \$000				\$0
TLS revenue paid by class @ average TLS rate \$000				\$0
	\$0	\$0	\$0	\$0
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$292,977	\$2,864	\$50,744	\$346,586
<i>Rate Tables difference</i>	<i>\$292,977</i>	<i>\$2,864</i>	<i>\$50,744</i>	<i>\$346,586</i>
	\$0	\$0	\$0	\$0
AYTP Mth/yr	319,982	18,501	182,660	521,144
Average Rate w/oBTS \$/th	\$0.91560	\$0.15482	\$0.27781	\$0.66505
<i>Rate Tables difference</i>	<i>\$0.91560</i>	<i>\$0.15482</i>	<i>\$0.27781</i>	<i>\$0.66505</i>
	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$9,177	\$479	\$4,914	\$14,570
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$302,154	\$3,344	\$55,659	\$361,156
Average Rate w/ BTS \$/th	\$0.94428	\$0.18073	\$0.30471	\$0.69301
Effective Allocation %'s:				
Total Margin Allocation pre-SI, pre-BTS Unbdle w/FFU	78.8%	0.6%	11.4%	90.8%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	85.7%	0.4%	11.0%	97.1%
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	79.4%	0.7%	13.7%	93.8%
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	79.4%	0.8%	13.8%	94.0%

SDG&E Cost Allocation

July, 2018 Rates

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	\$3,788			\$19,089	\$22,877	\$369,201
SW NGV Adjustment					\$0	\$262
SW EG Adjustment				\$1,794	\$1,794	\$1,794
TLS Adjustment						
Amount allocated to TLS Class \$000	(\$541)			(\$14,127)	(\$14,667)	(\$14,667)
TLS revenue paid by class @ average TLS rate \$000	\$419			\$11,756	\$12,175	\$12,175
	(\$121)			(\$2,371)	(\$2,492)	(\$2,492)
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	\$3,667			\$18,513	\$22,179	\$368,765
<i>Rate Tables difference</i>	<i>\$3,667</i>			<i>\$18,513</i>	<i>\$22,179</i>	<i>\$368,765</i>
	\$0			\$0	\$0	\$0
AYTP Mth/yr	44,975			669,882	714,857	1,236,000
Average Rate w/oBTS \$/th	\$0.08152			\$0.02764	\$0.03103	\$0.29835
<i>Rate Tables difference</i>	<i>\$0.08152</i>			<i>\$0.02764</i>	<i>\$0.03103</i>	<i>\$0.29835</i>
	\$0.00000			\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	\$1,165	\$551	\$16,804	\$17,355	\$18,521	\$33,091
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	\$4,832			\$35,868	\$40,700	\$401,856
Average Rate w/ BTS \$/th	\$0.10743			\$0.05354	\$0.05693	\$0.32513
Effective Allocation %'s:						
Total Margin Allocation pre-SI, pre-BTS Unbdle w/FFU	1.2%	0.4%	7.6%	8.0%	9.2%	100.0%
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	0.9%	0.3%	1.8%	2.1%	2.9%	100.0%
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	1.0%	0.4%	4.8%	5.2%	6.2%	100.0%
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	1.0%	0.0%	0.0%	5.0%	6.0%	100.0%

SDG&E Cost Allocation

Allocation %

July, 2018 Rates

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

SDG&E Cost Allocation

July, 2018 Rates

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

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Embedded Costs:				
Customer Related Costs	(\$12,197)	(\$87)	\$743	(\$11,541)
Medium Pressure Distribution Costs	\$2,000	\$429	\$5,006	\$7,435
High Pressure Distribution Costs	\$6,265	\$157	\$2,804	\$9,226
Backbone Transmission Costs	(\$695)	\$182	\$310	(\$203)
Local Transmission Costs	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0
NGV	\$0	\$153	\$0	\$153
Total Margin Allocation pre-SI, pre-BTS Unbundle w/FFU	(\$4,627)	\$833	\$8,864	\$5,070
Less Backbone Transmission Costs	\$695	(\$182)	(\$310)	\$203
Less Local Transmission Costs	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	(\$90)	\$24	\$201	\$135
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$4,022)	\$675	\$8,755	\$5,408

<u>Other Operating Costs and Revenues</u>	Non-ECPT?	Add FFU Y or N?	Amount to Allocate (w/o F&U)				
SCG Transport excl Core Storge & Load Balance \$000		Y	(\$3,800)	(\$896)	(\$26)	(\$444)	(\$1,367)
SCG Core Seasonal Storage		Y	\$4,898	\$3,549	\$19	\$1,443	\$5,011
SCG Load Balancing Allocated to ALL SDGE \$000		Y	\$4,899	\$1,500	\$134	\$981	\$2,615
n/a			\$0	\$0	\$0	\$0	\$0
LUAF		Y	(\$333)	(\$195)	\$4	(\$70)	(\$261)
Company Use Gas: Other		Y	(\$71)	(\$16)	(\$0)	(\$7)	(\$23)
AMI rev req incl FF&U AL 1693-G	Y	Y	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)		Y	\$0	\$18	\$6	\$24	\$48
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement		Y	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues			\$5,593	\$3,960	\$136	\$1,926	\$6,022

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Embedded Costs:						
Customer Related Costs	(\$720)	\$373	(\$66)	\$307	(\$413)	(\$11,954)
Medium Pressure Distribution Costs	\$66	\$401	(\$11)	\$389	\$455	\$7,890
High Pressure Distribution Costs	\$169	\$151	\$67	\$218	\$387	\$9,614
Backbone Transmission Costs	\$30	\$280	(\$5,809)	(\$5,529)	(\$5,499)	(\$5,702)
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$153
Total Margin Allocation pre-SI, pre-BTS Unbndle w/FFU	(\$456)	\$1,204	(\$5,819)	(\$4,614)	(\$5,070)	\$0
Less Backbone Transmission Costs	(\$30)	(\$280)	\$5,809	\$5,529	\$5,499	\$5,702
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	(\$1)	\$33	(\$1,433)	(\$1,400)	(\$1,401)	(\$1,266)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$487)	\$958	(\$1,443)	(\$485)	(\$972)	\$4,436

Other Operating Costs and Revenues							F&U Amount \$000	Total Allocated \$000
SCG Transport excl Core Storge & Load Balance \$000	(\$114)	(\$22)	(\$2,385)	(\$2,407)	(\$2,521)	(\$3,888)	(\$87)	(\$3,800)
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$5,011	\$112	\$4,898
SCG Load Balancing Allocated to ALL SDGE \$000	\$234	\$169	\$1,994	\$2,163	\$2,397	\$5,012	\$112	\$4,899
n/a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LUAF	\$3	\$7	(\$89)	(\$82)	(\$79)	(\$341)	(\$8)	(\$333)
Company Use Gas: Other	(\$2)	\$0	(\$48)	(\$48)	(\$50)	(\$73)	(\$2)	(\$71)
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	\$5	\$11	(\$64)	(\$53)	(\$48)	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$126	\$165	(\$592)	(\$427)	(\$301)	\$5,721	\$128	\$5,593

SDG&E Cost Allocation

2020 TCAP Application

TLS:

MARGINAL COST COMPONENTS \$000's	NCCI-D	EG-D1	EG-D2	NCCI-T	EG-T	Total SDG&E TLS
Embedded Costs:						
Customer Related Costs	(\$677)	\$392	(\$24)	(\$43)	(\$61)	(\$104)
Medium Pressure Distribution Costs	\$66	\$401	(\$11)	\$0	\$0	\$0
High Pressure Distribution Costs	\$169	\$151	\$67	\$0	\$0	\$0
Backbone Transmission Costs	\$31	\$176	(\$1,213)	(\$1)	(\$4,492)	(\$4,493)
Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Borrego	\$0	\$0	\$0	\$0	\$0	\$0
Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
Storage - Load Balancing	\$0	\$0	\$0	\$0	\$0	\$0
NGV	\$0	\$0	\$0	\$0	\$0	\$0
Total Margin Allocation pre-SI, pre-BTS Unbndle w/FFU	(\$411)	\$1,119	(\$1,180)	(\$45)	(\$4,553)	(\$4,597)
Less Backbone Transmission Costs	(\$31)	(\$176)	\$1,213	\$1	\$4,492	\$4,493
Less Local Transmission Costs	\$0	\$0	\$0	\$0	\$0	\$0
Plus Local Transmission Costs w/SI,FFU	\$1	\$32	(\$187)	(\$3)	(\$1,244)	(\$1,247)
Total Allocated Base Margin post-SI, post-BTS Unbundle, w/ FFU	(\$441)	\$975	(\$155)	(\$46)	(\$1,305)	(\$1,351)

Other Operating Costs and Revenues

SCG Transport excl Core Storge & Load Balance \$000	(\$69)	(\$29)	(\$345)	(\$45)	(\$2,033)	(\$2,078)
SCG Core Seasonal Storage	\$0	\$0	\$0	\$0	\$0	\$0
SCG Load Balancing Allocated to ALL SDGE \$000	\$147	\$154	\$164	\$86	\$1,845	\$1,931
n/a	\$0	\$0	\$0	\$0	\$0	\$0
LUAUF	\$2	\$4	(\$21)	\$1	(\$65)	(\$64)
Company Use Gas: Other	(\$1)	(\$0)	(\$7)	(\$1)	(\$40)	(\$41)
AMI rev req incl FF&U AL 1693-G	\$0	\$0	\$0	\$0	\$0	\$0
AB32 Fees (subtracted from base margin and allocated here)	\$3	\$7	(\$21)	\$2	(\$39)	(\$37)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAUF Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Other Operating Costs and Revenues	\$83	\$136	(\$231)	\$43	(\$333)	(\$289)

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core
<u>Regulatory Accounts</u>							
Adv Mtring Infrastructure Balancing Acct AMIBA	Y	Y	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	Y	Y	\$0	(\$16)	\$1	\$17	\$2
Baseline Balance BA		Y	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only		Y	\$0	(\$532)	\$0	\$532	\$0
CFCA -NGV only		Y	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin Other		Y	\$0	(\$15)	\$6	\$9	\$0
CFCA -Nonmargin SCG		Y	\$0	(\$1)	\$0	\$0	\$0
Environmental Fee Balance Account EFBA		Y	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)		Y	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)		Y	\$0	\$39	\$4	\$40	\$83
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User		Y	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	Y	Y	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA		Y	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C		Y	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA		Y	\$0	\$12	\$4	\$14	\$30
Master Meter Balancing Account (MMBA)	Y	Y	\$0	(\$27)	\$2	\$29	\$4
Natural Gas Supp Refund Track Acct		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount		Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	Y	Y	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other		Y	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG		Y	\$0	\$0	\$0	\$0	\$0
NGVA		Y	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC		Y	\$0	\$0	\$0	\$0	\$0
PBOPBA	Y	Y	\$0	\$14	(\$1)	(\$15)	(\$2)
Pension BA	Y	Y	\$0	(\$112)	\$9	\$118	\$16
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission		Y	\$0	\$10	\$1	\$11	\$22
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution		Y	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission		Y	\$0	\$76	\$8	\$78	\$161
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution		Y	\$0	(\$315)	\$31	\$614	\$330
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission		Y	\$0	\$24	\$2	\$24	\$50
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution		Y	\$0	(\$36)	\$4	\$71	\$38
RD&D 1-Way Bal Acct (Pre-2001)		Y	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	Y	Y	\$0	(\$11)	\$1	\$12	\$2
Self Gen Memo Acct - SGPMA-CSI	Y	Y	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	Y	Y	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	Y	Y	\$0	(\$1,975)	(\$10)	\$21	(\$1,964)
Gain/Loss on Sale Memo Acct GLOSMA	Y	Y	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA		Y	\$0	\$7	\$2	\$9	\$19
Integrated Transmission Nonmargin ITBA		Y	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	Y	Y	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees		Y	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memorandum Account		Y	\$0	(\$33)	\$37	(\$7)	(\$3)

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
<u>Regulatory Accounts</u>								
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	(\$1)	\$2	(\$3)	(\$1)	(\$2)	\$0	\$0	\$0
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -NGV only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$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)	\$4	\$5	(\$91)	(\$86)	(\$83)	\$0	(\$0)	\$0
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	\$3	\$5	(\$38)	(\$33)	(\$30)	\$0	\$0	\$0
Master Meter Balancing Account (MMBA)	(\$2)	\$3	(\$5)	(\$2)	(\$4)	\$0	\$0	\$0
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$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
NFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	\$5	\$6	(\$11)	(\$5)	\$0	\$0	\$0	\$0
NFCA -Nonmargin SCG	\$49	\$58	(\$107)	(\$49)	\$0	\$0	\$0	\$0
NGVA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	\$1	(\$2)	\$3	\$1	\$2	\$0	(\$0)	\$0
Pension BA	(\$8)	\$14	(\$22)	(\$8)	(\$16)	\$0	\$0	\$0
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$1	\$1	(\$24)	(\$23)	(\$22)	\$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 Transmission	\$7	\$10	(\$178)	(\$168)	(\$161)	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	(\$10)	\$10	(\$331)	(\$320)	(\$330)	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$2	\$3	(\$56)	(\$52)	(\$50)	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	(\$1)	\$1	(\$38)	(\$37)	(\$38)	\$0	\$0	\$0
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	(\$1)	\$1	(\$2)	(\$1)	(\$2)	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	(\$20)	\$107	\$1,876	\$1,984	\$1,964	\$0	\$0	\$0
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$2	\$3	(\$23)	(\$20)	(\$19)	\$0	\$0	\$0
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memorandum Account	\$3	\$0	\$0	\$0	\$3	\$0	(\$0)	\$0

SDG&E Cost Allocation

2020 TCAP Application

TLS:

MARGINAL COST COMPONENTS \$000's	NCCI-D	EG-D1	EG-D2	NCCI-T	EG-T	Total SDG&E TLS
Regulatory Accounts		0	0	0	0	
Adv Mtring Infrastructure Balancing Acct AMIBA	\$0	\$0	\$0	\$0	\$0	\$0
On-Bill Financing Balancing Account (OBFBA)	(\$1)	\$2	(\$0)	(\$0)	(\$3)	(\$3)
Baseline Balance BA	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -NGV only	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin Other	\$0	\$0	\$0	\$0	\$0	\$0
CFCA -Nonmargin SCG	\$0	\$0	\$0	\$0	\$0	\$0
Environmental Fee Balance Account EFBA	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect Memorandum Account (DMA)	\$0	\$0	\$0	\$0	\$0	\$0
Distribution Integrity Management Program Memorandum Account (DIMPBA)	\$0	\$0	\$0	\$0	\$0	\$0
Transmission Integrity Management Program Memorandum Account (TIMPBA)	\$2	\$5	(\$13)	\$1	(\$78)	(\$77)
Green House Gas Balancing Account (GHGBA) - Company Gas Compressor	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - End User	\$0	\$0	\$0	\$0	\$0	\$0
Green House Gas Balancing Account (GHGBA) - LUAF	\$0	\$0	\$0	\$0	\$0	\$0
FERC Settlement Proceeds MA	\$0	\$0	\$0	\$0	\$0	\$0
Core Gas Storage Balancing Acct. GSBA-C	\$0	\$0	\$0	\$0	\$0	\$0
Hazardous Substance Cleanup Cost Acct HSCCA	\$2	\$3	(\$12)	\$1	(\$25)	(\$24)
Master Meter Balancing Account (MMBA)	(\$2)	\$3	(\$1)	(\$0)	(\$5)	(\$5)
Natural Gas Supp Refund Track Acct	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Admin Fees Subaccount	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - C&T Subaccount	\$0	\$0	\$0	\$0	\$0	\$0
New Environmental Regulation Balancing Account (NERBA) - Subpart W Subaccount	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Margin Only	\$0	\$0	\$0	\$0	\$0	\$0
NFCA -Nonmargin Other	\$3	\$4	(\$8)	\$2	(\$1)	\$1
NFCA -Nonmargin SCG	\$32	\$42	(\$81)	\$17	(\$10)	\$7
NGVA	\$0	\$0	\$0	\$0	\$0	\$0
Non-Core Gas Storage Balancing Acct GSBA-NC	\$0	\$0	\$0	\$0	\$0	\$0
PBOPBA	\$1	(\$2)	\$0	\$0	\$2	\$3
Pension BA	(\$7)	\$14	(\$3)	(\$1)	(\$20)	(\$20)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Transmission	\$1	\$1	(\$4)	\$0	(\$21)	(\$20)
Pipeline Safety and Reliability Memo Acct (PSRMA) - Distribution	\$0	\$0	\$0	\$0	\$0	\$0
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Local Transmission	\$5	\$9	(\$26)	\$2	(\$152)	(\$149)
Safety Enhancement Capital Cost Balancing Account (SECCBA) - Distribution	(\$10)	\$10	(\$331)	\$0	\$0	\$0
Safety Enhancement Expense Balancing Account (SEEBBA) - Local Transmission	\$1	\$3	(\$8)	\$1	(\$47)	(\$47)
Safety Enhancement Expense Balancing Account (SEEBBA) - Distribution	(\$1)	\$1	(\$38)	\$0	\$0	\$0
RD&D 1-Way Bal Acct (Pre-2001)	\$0	\$0	\$0	\$0	\$0	\$0
Rewards & Penalties Bal Acct RPBA	(\$1)	\$1	(\$0)	(\$0)	(\$2)	(\$2)
Self Gen Memo Acct - SGPMA-CSI	\$0	\$0	\$0	\$0	\$0	\$0
Self Gen Memo Acct - SGPMA-NonCSI	\$0	\$0	\$0	\$0	\$0	\$0
SGPMA - Rev Req for NEXT Year	(\$18)	\$88	\$158	(\$1)	\$1,737	\$1,736
Gain/Loss on Sale Memo Acct GLOSMA	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Transmission Margin ITBA	\$1	\$2	(\$7)	\$1	(\$16)	(\$15)
Integrated Transmission Nonmargin ITBA	\$0	\$0	\$0	\$0	\$0	\$0
General Rate Case Revenue Requirement Memorandum Account (GRCRRMA)	\$0	\$0	\$0	\$0	\$0	\$0
GRCRRMA Sub allocation for AB32 Admin Fees	\$0	\$0	\$0	\$0	\$0	\$0
CSI Thermal Program memorandum Account	\$4	\$0	\$0	(\$1)	\$0	(\$1)

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's				Res	NGV	Core C&I	Total Core
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	Y	Y	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	Y	Y	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts			\$0	(\$2,891)	\$102	\$1,577	(\$1,212)
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr				(\$2,952)	\$913	\$12,258	\$10,218
AVERAGE YEAR THROUGHPUT, Mth/yr				(6,748)	5,627	12,117	10,997
Average Rate \$/th				\$0.01030	\$0.00501	\$0.04565	\$0.00547
FFU Rate				0.00%	0.00%	0.00%	0.00%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total		
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$34	\$229	\$949	\$1,178	\$1,212	\$0	\$0	\$0
						\$0		
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(\$327)	\$1,351	(\$1,085)	\$266	(\$61)	\$10,157		
AVERAGE YEAR THROUGHPUT, Mth/yr	1,970	8,455	(148,106)	(139,651)	(137,682)	(126,685)		
Average Rate \$/th	(\$0.01050)	\$0.02623	\$0.00589	\$0.00801	\$0.00753	\$0.04327		
FFU Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		

SDG&E Cost Allocation

2020 TCAP Application

TLS:

MARGINAL COST COMPONENTS \$000's	NCCI-D	EG-D1	EG-D2	NCCI-T	EG-T	Total SDG&E TLS
Catastrophic Event Memo. Acct. -- 2007 (CEMA)	\$0	\$0	\$0	\$0	\$0	\$0
Z-Factor Memorandum Account	\$0	\$0	\$0	\$0	\$0	\$0
Total Regulatory Accounts	\$13	\$189	(\$373)	\$22	\$1,362	\$1,383
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(\$346)	\$1,300	(\$758)	\$19	(\$276)	(\$257)
AVERAGE YEAR THROUGHPUT, Mth/yr	1,569	5,451	(32,391)	401	(112,712)	(112,311)
Average Rate \$/th	(\$0.01802)	\$0.03707	\$0.01731	\$0.00035	\$0.00541	\$0.00577
FFU Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	Res	NGV	Core C&I	Total Core
Sempra Wide & TLS Adjustments::				
Transport Rev Req w/SI, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(2,952)	913	12,258	10,218
SW NGV Adjustment	0	32	0	32
SW EG Adjustment	\$0	\$0	\$0	\$0
TLS Adjustment				
Amount allocated to TLS Class \$000	\$0	\$0	\$0	\$0
TLS revenue paid by class @ average TLS rate \$000	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
Transport Rev Req w/SI, FFU, SW adj, TLS w/o BTS Rev \$000/yr	(\$2,952)	\$945	\$12,258	\$10,250
<i>Rate Tables</i>	<i>(\$2,952)</i>	<i>\$945</i>	<i>\$12,258</i>	<i>\$10,250</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	(6,748)	5,627	12,117	10,997
Average Rate w/oBTS \$/th	\$0.01030	\$0.00304	\$0.04565	\$0.00552
<i>Rate Tables</i>	<i>\$0.01030</i>	<i>\$0.00304</i>	<i>\$0.04565</i>	<i>\$0.00552</i>
<i>difference</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00000</i>
BTS w/FFU Charge \$000	(\$37)	\$163	\$495	\$621
Transport Rev Req w/SI, FFU, SW adj, TLS, BTS Rev \$000/yr	(\$2,989)	\$1,107	\$12,753	\$10,871
Average Rate w/ BTS \$/th	\$0.01080	\$0.00374	\$0.04652	\$0.00611

SDG&E Cost Allocation

2020 TCAP Application

MARGINAL COST COMPONENTS \$000's	NCCI	EG Tier 1	EG Tier 2	Total EG	Total NonCore	System Total
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(327)	0	0	266	(61)	10,157
SW NGV Adjustment	0	0	0	0	0	32
SW EG Adjustment	\$0	\$0	\$0	(\$800)	(\$800)	(\$800)
TLS Adjustment						
Amount allocated to TLS Class \$000	(\$19)	\$0	\$0	\$276	\$257	\$257
TLS revenue paid by class @ average TLS rate \$000	\$150	\$0	\$0	\$1,367	\$1,516	\$1,516
	\$131	\$0	\$0	\$1,642	\$1,773	\$1,773
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	(\$196)	\$0	\$0	\$1,109	\$912	\$11,163
<i>Rate Tables</i>	<i>(\$196)</i>	<i>\$0</i>	<i>\$0</i>	<i>\$1,109</i>	<i>\$912</i>	<i>\$11,163</i>
<i>difference</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
AYTP Mth/yr	1,970	0	0	(139,651)	(137,682)	(126,685)
Average Rate w/oBTS \$/th	(\$0.00760)	\$0.00000	\$0.00000	\$0.00937	\$0.00898	\$0.04413
<i>Rate Tables</i>	<i>(\$0.00760)</i>	<i>\$0.00000</i>	<i>\$0.00000</i>	<i>\$0.00937</i>	<i>\$0.00898</i>	<i>\$0.04413</i>
<i>difference</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>
BTS w/FFU Charge \$000	\$84	\$240	(\$3,483)	(\$3,243)	(\$3,159)	(\$2,538)
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	(\$112)	\$0	\$0	(\$2,135)	(\$2,247)	\$8,624
Average Rate w/ BTS \$/th	(\$0.00690)	\$0.00000	\$0.00000	\$0.01008	\$0.00969	\$0.04490

SDG&E Cost Allocation

2020 TCAP Application

TLS:

MARGINAL COST COMPONENTS \$000's	NCCI-D	EG-D1	EG-D2	NCCI-T	EG-T	Total SDG&E TLS
Sempra Wide & TLS Adjustments::						
Transport Rev Req w/Sl, FFU w/o BTS Rev, SW adj, TLS \$000/yr	(\$346)	\$1,300	(\$758)	\$19	(\$276)	(\$257)
SW NGV Adjustment	\$0	\$0	\$0	\$0	\$0	\$0
SW EG Adjustment	\$0	(\$530)	(\$270)	\$0	(\$800)	(\$800)
TLS Adjustment						
Amount allocated to TLS Class \$000	\$0	\$0	\$0	(\$19)	\$276	\$257
TLS revenue paid by class @ average TLS rate \$000	\$0	\$0	\$0	\$150	\$1,367	\$1,516
Transport Rev Req w/Sl, FFU, SW adj, TLS w/o BTS Rev \$000/yr	(\$346)	\$770	(\$1,028)	\$150	\$1,367	\$1,516
<i>Rate Tables</i>	\$0	\$770	(\$1,028)	\$150	\$1,367	\$1,516
<i>difference</i>	\$0	\$0	\$0	\$0	\$0	\$0
AYTP Mth/yr	1,569	0	0	401	0	401
Average Rate w/oBTS \$/th	(\$0.01802)	\$0.00000	\$0.00000	\$0.00796	\$0.00000	\$0.00796
<i>Rate Tables</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
<i>difference</i>	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
BTS w/FFU Charge \$000	(\$3,243)	\$159	(\$808)	\$23	(\$2,594)	(\$2,571)
Transport Rev Req w/Sl, FFU, SW adj, TLS, BTS Rev \$000/yr	(\$285)	\$1,459	(\$1,566)	\$42	(\$2,870)	(\$2,828)
Average Rate w/ BTS \$/th	(\$0.01731)	\$0.03777	\$0.01802	\$0.00106	\$0.00612	\$0.00718

**SDGE - Transfer Data and Other Requirements to RUN Rate Design model
2020 TCAP Application**

Data From SCG RD Model			Model / Source	
Allocated Local T under SI w/FFU \$000	Res	\$3,418	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	NGV	\$133	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Core C&I	\$1,589	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Total Core	\$5,141	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	NCCI	\$269	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	EG Tier 1	\$153	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	EG Tier 2	\$2,668	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Total EG	\$2,821	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	Total NonCore	\$3,090	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated Local T under SI w/FFU \$000	System Total	\$8,230	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Res	\$7,695	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	NGV	\$541	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Core C&I	\$4,554	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Total Core	\$12,789	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	NCCI	\$1,052	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	EG Tier 1	\$666	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	EG Tier 2	\$11,214	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Total EG	\$11,881	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	Total NonCore	\$12,933	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Allocated BBT under SI w/FFU \$000	System Total	\$25,722	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
TLS Revenue NCCI-T EFBA Exempt \$000		\$498	SCG RD Model/RUN	copy to Rate Tables
TLS Revenue EG-Tier T EFBA Exempt \$000		\$144	SCG RD Model/RUN	copy to Rate Tables
TLS Revenue EG-Tier 2-T EFBA Exempt \$000		\$12,946	SCG RD Model/RUN	copy to Rate Tables
TLS Class Average Rate NCCI T		\$0.02837	SCG RD Model/RUN	copy to Rate Tables
TLS Class Average Rate EG T		\$0.02837	SCG RD Model/RUN	copy to Rate Tables
Pre-SW TLS NCCI		\$489	SCG RD Model/RUN	copy to Rate Tables
Post SW TLS NCCI		\$498	SCG RD Model/RUN	copy to Rate Tables
Pre-SW TLS EG		\$13,818	SCG RD Model/RUN	copy to Rate Tables
Post SW TLS EG		\$13,090	SCG RD Model/RUN	copy to Rate Tables
EFBA adder			SCG RD Model/RUN	copy to Rate Tables
TLS Revenue NCCI-T \$000		\$498	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Revenue EG-Tier 1-T \$000		\$144	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Revenue EG-Tier 2-T \$000		\$12,946	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes NCCI-T Mth/yr		\$17,569	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes EG-Tier1-T Mth/yr		\$5,074	SCG RD Model/Local T Rate	copy to Rate Tables
TLS Volumes EG-Tier2-T Mth/yr		\$456,289	SCG RD Model/Local T Rate	copy to Rate Tables

TLS SFV Mcapacity Reserved Mdth/day	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
TLS SFV Volumes Mth/year	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
TLS ST VOL Volumes Mth/year	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
TLS LT VOL Volumes Mth/year	n/a	SCG RD Model/Local T Rate	copy to Rate Tables
Est FAR Revenue from SDGE Res	\$9,140	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE NGV	\$642	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE CCI	\$5,409	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE NCCI	\$1,249	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 1	\$791	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE EG Tier 2	\$13,321	SCG RD Model/Local & BBT Costs	copy to COST ALLOC tab
Est FAR Revenue from SDGE Customers	\$30,553	SCG RD Model/Local & BBT Costs	Copy to Rate Tables
SCG Transport Only Costs Allocated to SDGE Core & Dist \$000	\$4,586	SCG RD model/SDGE Detail Alloc	Copy to Cost Alloc
SCG Core Seasonal Storage	\$11,522	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Load Balancing Allocated to ALL SDGE \$000	\$8,447	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Core Seasonal Storage HRSMA	\$0	SCG RD Model/RUN	copy to COST ALLOC tab
SCG Load Balancing Allocated to ALL SDGE \$000 HRSMA	\$0	SCG RD Model/RUN	copy to COST ALLOC tab
SFV Base Margin Items = Reservation Charge \$/dth/day	\$0.00968	SCG RD Model / Trans Rates	Copy to Rate Tables
ST Volumetric Base Margin Items \$/th	\$0.01437	SCG RD Model / Trans Rates	Copy to Rate Tables
TLS LT VOL Rate \$/th	\$0.01437	SCG RD Model/TLS Rate	Copy to Rate Tables
TLS CA Usage Fee (non base margin items) \$/th	\$0.01414	SCG RD Model / Trans Rates	Copy to Rate Tables
TLS RS Usage Fee \$/th	\$0.01414	SCG RD Model / Trans Rates	Copy to Rate Tables
120% Class Average Volumetric Rate \$/th	\$0.03279		
200% Class Average Volumetric Rate \$/th	\$0.03849		
EG Tier 1-D SW Volumetric Rate w/FFU \$/th Post SW	\$0.12880	SCG RD model/EG-D Rates	Copy to EG-D rates tab
EG Tier 2-D SW Volumetric Rate w/FFU \$/th Post SW	\$0.07293	SCG RD model/EG-D Rates	Copy to EG-D rates tab
EG Tier 1 NoTLS SW Volumetric Rate w/FFU \$/th Post SW	n/a	SCG RD model/EG Rates NoTLS	Copy to EG-D rates tab
EG Tier 2 NoTLS SW Volumetric Rate w/FFU \$/th Post SW	n/a	SCG RD model/EG Rates NoTLS	Copy to EG-D rates tab
SW Volumetric Rate w/FFU \$/th UnCompressed	\$0.12583	SCG RD model/NGV Rates	
SW Volumetric Rate w/FFU \$/th Compressed	\$1.04809	SCG RD model/NGV Rates	
SDGE ITBA Balance Post SI	\$0	SCG RD model/Misc Inputs	
Unbundled FAR amount w/FFU	\$25,722	SCG RD model/Misc Inputs	
BBT %	0%	SCG RD model/Misc Inputs	
Local %	0%	SCG RD model/Misc Inputs	
Proposed BTS Rate SFV \$/dth/day	\$0.26245	SCG Rate Tables	
Current BTS Rate SFV \$/dth/day	\$0.26353		

Data TO SCG RD Model		Model / Source
SDGE AYTP mth/yr Res	313,234	Alloc Factors
SDGE AYTP mth/yr Core C&I	194,777	Alloc Factors
SDGE AYTP mth/yr NR A/C	0	
SDGE AYTP mth/yr Gas Eng	0	
SDGE AYTP mth/yr NGV	24,129	Alloc Factors
SDGE AYTP mth/yr Total Core	532,140	Alloc Factors
SDGE AYTP mth/yr Non Core C&I	46,945	Alloc Factors
SDGE AYTP mth/yr EG Tier 1	29,736	Alloc Factors
SDGE AYTP mth/yr EG Tier 2	500,494	Alloc Factors
SDGE AYTP mth/yr EOR	0	
SDGE AYTP mth/yr Total Retail Non Core	577,175	Alloc Factors
SDGE AYTP mth/yr Long Beach	0	
SDGE AYTP mth/yr SDG&E	0	
SDGE AYTP mth/yr Sout West Gas	0	
SDGE AYTP mth/yr Vernon	0	
SDGE AYTP mth/yr Total Whole sale	0	
SDGE AYTP mth/yr DGN	0	
SDGE AYTP mth/yr TBS	0	
SDGE AYTP mth/yr Total Non Core	577,175	Alloc Factors
SDGE AYTP mth/yr Total System \$000	1,109,315	Alloc Factors
SDGE CYTP mth/yr Res	343,408	Alloc Factors
SDGE CYTP mth/yr Core C&I	203,236	Alloc Factors
SDGE CYTP mth/yr NR A/C	0	
SDGE CYTP mth/yr Gas Eng	0	
SDGE CYTP mth/yr NGV	24,129	Alloc Factors
SDGE CYTP mth/yr Total Core	570,773	Alloc Factors
SDGE CYTP mth/yr Non Core C&I	46,945	Alloc Factors
SDGE CYTP mth/yr EG Tier 1	29,736	Alloc Factors
SDGE CYTP mth/yr EG Tier 2	500,494	Alloc Factors
SDGE CYTP mth/yr EOR	0	
SDGE CYTP mth/yr Total Retail Non Core	577,175	Alloc Factors
SDGE CYTP mth/yr Long Beach	0	
SDGE CYTP mth/yr SDG&E	0	
SDGE CYTP mth/yr Sout West Gas	0	
SDGE CYTP mth/yr Vernon	0	
SDGE CYTP mth/yr Total Whole sale	0	
SDGE CYTP mth/yr DGN	0	
SDGE CYTP mth/yr TBS	0	
SDGE CYTP mth/yr Total Non Core	577,175	Alloc Factors
SDGE CYTP mth/yr Total System \$000	1,147,948	Alloc Factors
SDGE's Core AYTP Mth/yr	532,140	Alloc Factors
NCCI-Distribution AYTP mth/yr	29,376	Alloc Factors
EG-Tier 1 Distribution AYTP mth/yr	24,662	Alloc Factors
EG-Tier 2 Distribution AYTP mth/yr	44,206	Alloc Factors
SDGE's Core # customers	905,032	Alloc Factors

NCCI-Distribution # customers	44	Alloc Factors
EG-Tier 1 Distribution # customers	69	Alloc Factors
EG-Tier 2 Distribution # customers	6	Alloc Factors
NCCI-Transmission AYTP mth/yr	17,569	Alloc Factors
EG-Tier 1 Transmission AYTP mth/yr	5,074	Alloc Factors
EG-Tier 2 Transmission AYTP mth/yr	456,289	Alloc Factors
NCCI-Transmission # customers	9	Alloc Factors
EG-Tier 1 Transmission # customers	3	Alloc Factors
EG-Tier 2 Transmission # customers	12	Alloc Factors
Transmission Costs w/FFU \$000	\$40,564	SDGE RD Model/Cost Alloc
Compressor Volumes mth/yr	628	SDGE RD Model / NGV Rates
SDGE - NCCI-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	\$118	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Local Transmission Costs	\$101	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	\$241	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Regulatory Accounts	\$200	SDGE RD Model / Detail Alloc
SDGE - NCCI-T ITBA Base Margin	\$5	SDGE RD Model / Detail Alloc
SDGE - EG-T ITBA Base Margin	\$131	SDGE RD Model / Detail Alloc
SDGE - NCCI-T Transport Rev Req w/o BBT, w/ FFU & EOR Cr \$000/yr	\$559	SDGE RD Model / Detail Alloc
SDGE - EG-T Total Allocated Base Margin w/SI, FAR & FFU, w/o Fuel Use	\$2,454	SDGE RD Model / Detail Alloc
SDGE - EG-T Local Transmission Costs	\$2,429	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	\$5,929	SDGE RD Model / Detail Alloc
SDGE - EG-T Regulatory Accounts	\$5,468	SDGE RD Model / Detail Alloc
SDGE CYPM mth/mo Res	50,188	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Core C&I	23,331	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo NR A/C	0	
SDGE CYPM mth/mo Gas Eng	0	
SDGE CYPM mth/mo NGV	1,960	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total Core	75,479	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Non Core C&I	3,947	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 1	2,244	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EG Tier 2	39,175	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo EOR	0	
SDGE CYPM mth/mo Total Retail Non Core	45,366	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Long Beach	0	
SDGE CYPM mth/mo SDG&E	0	
SDGE CYPM mth/mo Sout West Gas	0	
SDGE CYPM mth/mo Vernon	0	
SDGE CYPM mth/mo Total Whole sale	0	
SDGE CYPM mth/mo DGN	0	
SDGE CYPM mth/mo TBS	0	
SDGE CYPM mth/mo Total Non Core	45,366	SDGE RD Model / Alloc Factors
SDGE CYPM mth/mo Total System \$000	120,845	SDGE RD Model / Alloc Factors

SDGE NonCore Embedded Customer Related Costs \$000	\$255	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Medium Pressure Distribution Costs \$000	\$2,904	SDGE RD Model/Cost Alloc
SDGE Non Core Embedded High Pressure Distribution Costs \$000	\$0	
SDGE NonCore Embedded Transmission Costs \$000	\$20,395	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Storage - Seasonal \$000	\$0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Storage - Load Balancing \$000	\$0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Storage - TBS \$000	\$0	
SDGE NonCore Embedded Non-DSM Marketing Related Costs \$000	\$0	
SDGE NonCore Embedded Credit (EOR Revenues - EOR UAF) * 95% \$000	\$0	
SDGE NonCore Embedded Less Allocated Transmission Cost \$000	\$0	SDGE RD Model/Cost Alloc
SDGE NonCore Embedded Plus Allocated Local T under SI \$000	\$8,230	SDGE RD Model/Cost Alloc
Total Margin Allocation w/o SI, FAR, Fuel Use, FF&U	\$323,020	SDGE RD Model/Cost Alloc
Other Op	\$2,493	SDGE RD Model/Cost Alloc
SCG Storage Charges	\$20,428	SDGE RD Model/Cost Alloc
Reg Accounts	\$61,061	SDGE RD Model/Cost Alloc
Less EC Transmission	(\$40,564)	SDGE RD Model/Cost Alloc
Plus Local-T	\$0	SDGE RD Model/Cost Alloc
plus FAR revenue	\$30,553	SDGE RD Model/Cost Alloc
less local-T noncore trans cust costs	(\$14,410)	SDGE RD Model/Revenue Check
plus Reg Gap Revenue	\$13,692	SDGE RD Model/Revenue Check
plus new SCG Transport (i.e.RegGap SDGE C&D)	\$4,691	SDGE RD Model/Cost Alloc
SW Adjustments	\$1,288	SDGE RD Model/Revenue Check
EG Tier 1-D Pre-SW Total revenue \$000/yr	\$2,640	SDGE RD Model/EG-D Rates
EG Tier 1-D AYTP Mth/yr	24,662	SDGE RD Model/EG-D Rates
EG Tier 1-D Customer Charge Revenue \$000	\$41	SDGE RD Model/EG-D Rates
EG Tier 2-D Pre-SW Total revenue \$000/yr	\$2,808	SDGE RD Model/EG-D Rates
EG Tier 2-D AYTP Mth/yr	44,206	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	29,736	SDGE RD Model/Alloc Factors
EG Tier 2 NoTLS AYTP Mth/yr	500,494	SDGE RD Model/Alloc Factors
Final Rev Req \$000	\$379,928	SDGE RD Model/Rate Tables
Pre-SW NGV Transportation Volumetric Revenue	\$2,754	SDGE RD Model / NGV Rates
Pre-SW NGV Customer Charge Revenue	\$12	SDGE RD Model / NGV Rates
NGV Transportation volumes mth/yr	24,129	SDGE RD Model / NGV Rates
NGV Post SW Customer Charge Revenue:	\$12	SDGE RD Model / NGV Rates
Pre SW NGV Compressor Revenue \$000	\$647	SDGE RD Model / NGV Rates
NGV Compressor Volumes Mth/yr	628	SDGE RD Model / NGV Rates
SDGE NCCI-T Direct Peak Day Demand Mth/day	48	SDGE RD Model / Alloc Factors
SDGE EG-T Direct Peak Day Demand Mth/day	1,690	SDGE RD Model / Alloc Factors
SDGE Core Cumulative Transmission Peak Day Mth/day	4,123	SDGE RD/Alloc Factors
SDGE Noncore Cumulative HP Distribution Peak Day Mth/day	265	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast AYTP Mth/yr	630,384	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYTP Mth/yr	669,016	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast # Customers	905,151	SDGE RD/Alloc Factors
SDGE Core & Dist Forecast CYPM Mth/mo	83,698	SDGE RD/Alloc Factors

SDGE NCCI-T Forecast AYTP Mth/yr	17,569	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYTP Mth/yr	17,569	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast # Customers	9	SDGE RD/Alloc Factors
SDGE NCCI-T Forecast CYPM Mth/mo	1,477	SDGE RD/Alloc Factors
SDGE EG-T Forecast AYTP Mth/yr	461,363	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYTP Mth/yr	461,363	SDGE RD/Alloc Factors
SDGE EG-T Forecast # Customers	15	SDGE RD/Alloc Factors
SDGE EG-T Forecast CYPM Mth/mo	35,670	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	\$12,135	SDGE RD Model/Cost Alloc
SDGE BBT Costs CCI	\$7,182	SDGE RD Model/Cost Alloc
SDGE BBT Costs NGV	\$853	SDGE RD Model/Cost Alloc
SDGE BBT Costs NCCI	\$1,659	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier 1	\$1,051	SDGE RD Model/Cost Alloc
SDGE BBT Costs EG Tier2	\$17,686	SDGE RD Model/Cost Alloc
SDGE CoUse Transmission Costs	\$0	SDGE RD Model/Misc Inputs
SDGE Forecast AYTP Mth/yr Core	532,140	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr NCCI-D	29,376	SDGE RD/Alloc Factors
SDGE Forecast AYTP Mth/yr EG-D	68,867	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr Core	570,773	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr NCCI-D	29,376	SDGE RD/Alloc Factors
SDGE Forecast CYTP Mth/yr EG-D	68,867	SDGE RD/Alloc Factors
SDGE Forecast # Customers Core	905,032	SDGE RD/Alloc Factors
SDGE Forecast # Customers NCCI-D	44	SDGE RD/Alloc Factors
SDGE Forecast # Customers EG-D	75	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr Core	75,479	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr NCCI-D	2,470	SDGE RD/Alloc Factors
SDGE Forecast CYPM Mth/yr EG-D	5,749	SDGE RD/Alloc Factors
SDGE FFU Rate	102.29%	SDGE RD/Cost Alloc
FFU Rate Gross-to-Net Ratio	97.76%	SDGE RD/Misc Inputs
SDGE Mbtu/mcf	1,040	SDGE RD/Misc Inputs
Authorized Base Margin in 2008GRC (excl misc revenue) \$000	\$304,021	SDGE RD/Revenue Check
Current Authorized Base Margin	\$323,020	SDGE RD/Revenue Check
Net System Integration	(\$32,334)	SDGE RD/Revenue Check
Other Operate Costs	\$27,612	SDGE RD/Revenue Check
Regulatory Accounts	\$61,061	SDGE RD/Revenue Check
SW NGV Adjustment	\$294	SDGE RD/Revenue Check
SW EG Adjustment	\$994	SDGE RD/Revenue Check
SW NGV & EG Adjustment	\$1,288	SDGE RD/Revenue Check
NET TLS Adjustment	(\$719)	SDGE RD/Revenue Check
Revenue Requirement w/oFAR	\$379,928	SDGE RD/Revenue Check
Total Allocated Base Margin post-SI, post-FAR Unbundle, w/ FFU	\$290,686	SDGE RD/Revenue Check
CSITMA allocated to SDGE's NCCI-T customers \$000	\$56	NCCI Detail Alloc
CSITMA allocated to SDGE's EG-T customers \$000	\$0	EG Detail Alloc

EFBA EG-D Tier 1	\$20	EG Detail Alloc
EFBA EG-D Tier 2	\$37	EG Detail Alloc
EFBA EG-T	\$33	EG Detail Alloc
EFBA NCCI-T	\$15	NCCI Detail Alloc
EFBA EG-T nonexempt volumes	\$39,584	EG Detail Alloc
EFBA NCCI-T nonexempt volumes	17,569	NCCI Detail Alloc

**SAN DIEGO GAS & ELECTRIC
2020 TCAP**

**Section 2
NGV Compression Rate Adder Model**

**Workpapers to the Prepared Written Testimony of
Sharim Chaudhury**

2020 TCAP

NGV Compression Adder Revenue Requirement

	Total Public & Private Access		Public Access Station		Data Source
	\$000's/yr	\$/th	\$000's/yr	\$/th	
NGV Station Costs \$000's					
NGV Station Rate Base	\$703	\$1.02	\$363	\$0.58	Return tab
Rate of Return %	7.79%		7.79%		Return tab
Return on Ratebase	\$55	\$0.08	\$28	\$0.05	
Income Taxes	\$25	\$0.04	\$13	\$0.02	Return Tab
Ad Valorem Taxes	\$11	\$0.02	\$6	\$0.01	Return Tab
Depreciation Expense	\$60	\$0.09	\$29	\$0.05	NGV Dept
Capital Related Revenue Requirement	\$150	\$0.22	\$76	\$0.12	
NGV Station Throughput in THERMS	686,849		628,286		
O&M Expense \$/th = \$0.502	\$345	\$0.50	\$315	\$0.50	NGV Dept
Electricity Expense \$/th = \$0.384	\$264	\$0.38	\$241	\$0.38	NGV Dept
Customer Related O&M	\$609	\$0.89	\$557	\$0.89	
Effective NGV Station Revenue Requirement	\$759	\$1.11	\$633	\$1.01	
Total NGV Station Throughput in therms	686,849		628,286		NGV Dept
Compression Throughput Mth/year	687	687	628	628	
Compression Rate \$/therm	\$1.11		\$1.01		
Sempra Wide Compressor Adder \$/therm			\$1.04809		SDGE RD model/Rate tables

2020 TCAP

Calculation of Capital Related costs

Calculation of NGV Station Capital related Costs	Total Public & Private Access \$000's/yr	Public Access Station \$000's/yr	Data Source	Notes
NBV of NGV Stations	\$1,428	\$738	Recorded 2016	
Total NBV of Utility Gas Plant in Service	\$1,495,438	\$1,495,438	Net Plant	Updated from FERC form 2016
NBV Ratio	0.10%	0.05%		
Total Utility Rate Base	\$735,782	\$735,782	Recorded 2016	Updated from Accounting
NBV Ratio	0.10%	0.05%		
NGV Station Ratebase	\$703	\$363		
Total Utility Income & CNG Fuel taxes	\$25,684	\$25,684	FERC Form 1 p. 33 (Page 2 of 2), line 32	Updated from FERC form 2016
NBV Ratio	0.10%	0.05%		
NGV Station Income & CNG Fuel taxes	\$25	\$13		
Total Utility AdValorem taxes	\$11,510	\$11,510	FERC Form 1 p. 263, line 2, (I)	Updated from FERC form 2016
NBV Ratio	0.10%	0.05%		
NGV Station Income & CNG Fuel taxes	\$11	\$6		

Calculation of Authorized ROR% and Total Return on Ratebase:

	Capital Ratio	Rate	ROR%		
Long-Term Debt	45.25%	5.00%	2.26%	FERC Form 1 p. 123.60, cost of capital section	Updated from FERC form 2016
Preferred Stock	2.75%	6.22%	0.17%		
Common Equity	52.00%	10.30%	5.36%		
Total ROR%	100%		7.79%		

2020 TCAP

Subtotal Net Utility Plant - Gas	\$1,339,085
Common plant	\$633,264
Percentage of Common plant assigned to gas	25%
Subtotal of Common Plant assigned to gas	<u>\$156,353</u>
Applicable Net Plant - Gas	<u>\$1,495,438</u>

Data Source

FERC Form 1 p. 201, Column d Line 15

FERC Form 1 p. 201, Column h Line 15

FERC Form 1 p. 356.1

**SAN DIEGO GAS & ELECTRIC
2020 TCAP**

**Section 3
Submeter Credit Model**

**Workpapers to the Prepared Written Testimony of
Sharim Chaudhury**

Submetering Avoided Cost Credit -GT

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

**SDG&E GT Submeter Discount
 2020 TCAP Illustrative Rates**

		Avoided Cost Per Subunit (Single Family) (\$/cst/yr.)	Incurred Cost Per GT Master Meter (\$/cst/yr.)		Source
1	Plant Costs				
1	Service/Regulation/Meter	\$169.86	\$193.25	1	SDGE LPMC Customer Cost
2	Distribution Main (High Pressure)	\$54.44	\$54.44	2	SDGE LPMC Distribution
3	Net Annual Cost/Space	\$224.30	\$247.70	3	SDGE LPMC Customer Cost
4	Customer Expenses				
4	O&M	\$42.00	\$54.00	4	SDGE LPMC Customer Cost
5	O&M Loaders	\$17.60	\$22.63	5	SDGE LPMC Customer Cost
6	Net Customer Expenses	\$59.60	\$76.63	6	SDGE LPMC Customer Cost
8	Subtotal - Annual Costs	\$283.91	\$324.33	8	
9	x EPAM Scaling Factor	79.81%	79.81%	9	SDGE Cost Allocation
10	= Avoided / Incurred Cost / Yr	\$226.59	\$258.85	10	
11	+ Number Months / Year	12	12	11	
12	= Avoided / Incurred Cost / Mo	\$18.88	\$21.57	12	
13	+ Avg.No. of Subunits Per Master Meter Account	1	115	13	Recorded 2016
14	= Incurred Cost Per Living Unit for Master Meter		\$0.19	14	
15	Net Avoided Cost / Month	\$18.69		15	<< Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.
16	- SDG&E Monthly Cust Charge	\$0.00		16	
17	Submeter Credit / Month	\$18.69		17	
18	x Number Months / Year	12		18	
19	Submeter Credit / Year	\$224.28		19	
20	+ Number Days / Year	365		20	
21	= Submeter Credit / Day	\$0.61447		21	
1	Net Avoided Cost / Month	\$18.69		1	<< Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.
2	- SDG&E Monthly Cust/Min Charge	\$10.00		2	
3	Submeter Credit / Month	\$8.69		3	
4	x Number Months / Year	12		4	
5	Submeter Credit / Year	\$104.28		5	
6	+ Number Days / Year	365		6	
7	= Submeter Credit / Day	\$0.28570		7	

Submetering Avoided Cost Credit - GS

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

**SDG&E GS Submeter Discount
 2020 TCAP Phase Illustrative Rates**

		Avoided Cost Per Subunit (Single Family) (\$/cst/yr.)	Incurred Cost Per GS Master Meter (\$/cst/yr.)		Source
1	Plant Costs				
1	Service/Regulation/Meter	\$169.86	\$193.25	1	SDGE LRM Customer Cost
2	Distribution Main (High Pressure)	\$54.44	\$54.44	2	SDGE LRM Distribution
3	Net Annual Cost/Space	\$224.30	\$247.70	3	SDGE LRM Customer Cost
4	Customer Expenses				
4	O&M	\$42.00	\$54.00	4	SDGE LRM Customer Cost
5	O&M Loaders	\$17.60	\$22.63	5	SDGE LRM Customer Cost
6	Net Customer Expenses	\$59.60	\$76.63	7	SDGE LRM Customer Cost
8	Subtotal - Annual Costs	\$283.91	\$324.33	8	
9	x EPAM Scaling Factor	79.81%	79.81%	9	SDGE Cost Allocation
10	= Avoided / Incurred Cost / Yr	\$226.59	\$258.85	10	
11	+ Number Months / Year	12	12	11	
12	= Avoided / Incurred Cost / Mo	\$18.88	\$21.57	12	
13	+ Avg No. of Subunits Per Master Meter Account	1	26	13	Recorded 2016
14	= Incurred Cost Per Living Unit for Master Meter		\$0.82	14	
15	Net Avoided Cost / Month	\$18.06		15	<< Net of (Avoided Subunit Costs) - (Incurred Master Meter Costs) Per Subunit.
16	- SDG&E Monthly Cust Charge	\$0.00		16	
17	Submeter Credit / Month	\$18.06		17	
18	x Number Months / Year	12		18	
19	Submeter Credit / Year	\$216.72		19	
20	+ Number Days / Year	365		20	
21	= Submeter Credit / Day	\$0.59375		21	
22	Net Avoided Cost / Month	\$18.06		22	
23	- SDG&E Monthly Cust Charge	\$10.00		23	
24	Submeter Credit / Month	\$8.06		24	
25	x Number Months / Year	12		25	
26	Submeter Credit / Year	\$96.72		26	
27	+ Number Days / Year	365		27	
28	= Submeter Credit / Day	\$0.26499		28	

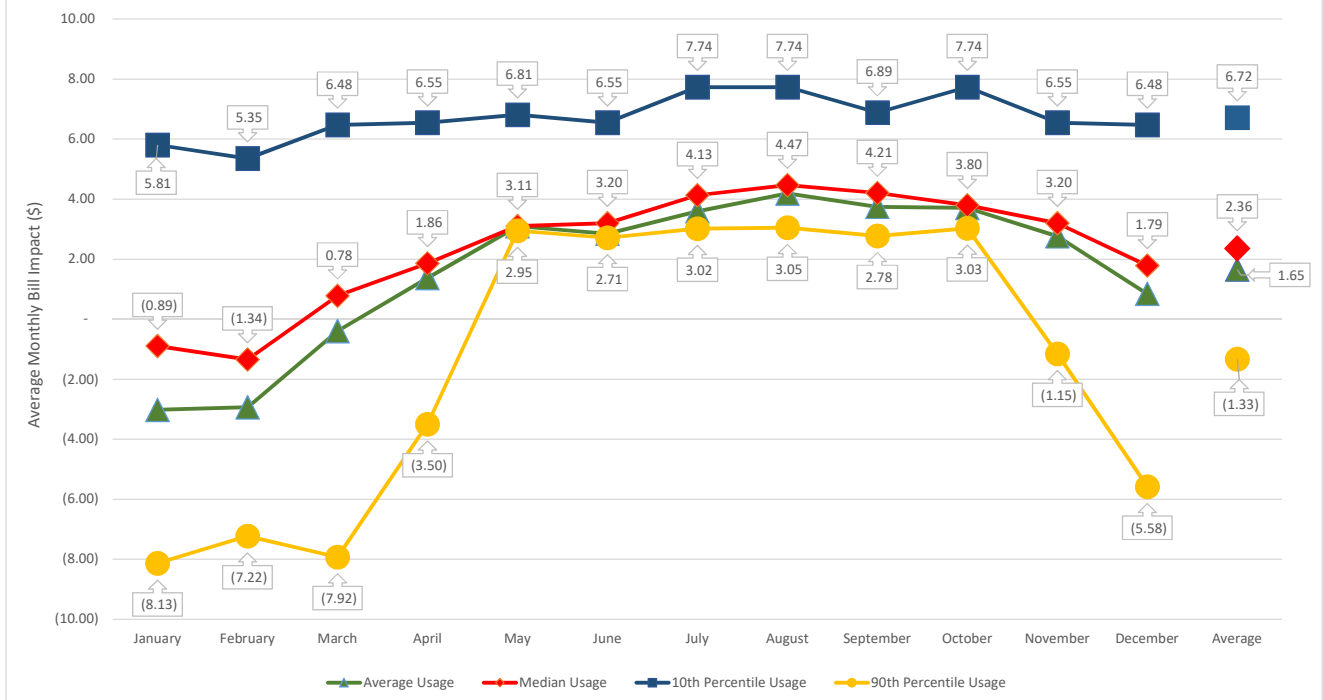
**SAN DIEGO GAS & ELECTRIC
2020 TCAP**

CARE Bill Impact Calculations

**Workpapers to the Prepared Written Testimony of
Sharim Chaudhury**

	Usage				Average			
	Average Usage	Median Usage	10th Percentile Usage	90th Percentile Usage	Average Usage	Median Usage	10th Percentile Usage	90th Percentile Usage
January	(3.02)	(0.89)	5.81	(8.13)				
February	(2.93)	(1.34)	5.35	(7.22)				
March	(0.39)	0.78	6.48	(7.92)				
April	1.37	1.86	6.55	(3.50)				
May	3.10	3.11	6.81	2.95				
June	2.85	3.20	6.55	2.71				
July	3.60	4.13	7.74	3.02				
August	4.19	4.47	7.74	3.05				
September	3.74	4.21	6.89	2.78				
October	3.71	3.80	7.74	3.03				
November	2.76	3.20	6.55	(1.15)				
December	0.85	1.79	6.48	(5.58)				
Average					1.65	2.36	6.72	(1.33)
Average	1.65	2.36	6.72	(1.33)				

Chart 2: SDG&E's CARE Customers' Bill Impact From Proposed \$10 Customer Charge



CARE Bill Impacts Lowest 10 Percentile

CARE	revmo	Customers	Average	Avg Baseli	High (90th)			Median	Low (10th)		Status Quo	\$10 Cust			Care (T/F)	Daily BL	Days/Mo	Monthly	Care	Monthly	Baseline
					Avg Non B	Percentile	Therms		Therms	Therms		Total Bill	Charge Bill	Delta							
Yes	1	163,889	33.3518	28.6052	4.7465	67	27	7	7.08	12.89	5.81	TRUE	1.546	31	48	20%	7	7			
Yes	2	164,902	30.7407	26.6903	4.0504	60	26	6	6.07	11.42	5.35	TRUE	1.546	28	43	20%	6	6			
Yes	3	166,397	25.5158	23.7478	1.768	48	22	5	5.05	11.53	6.48	TRUE	1.546	31	48	20%	5	5			
Yes	4	166,351	19.4525	19.0474	0.4051	34	18	4	4.04	10.59	6.55	TRUE	1.546	30	46	20%	4	4			
Yes	5	166,332	17.6071	15.5465	2.0607	31	17	4	4.04	10.86	6.81	TRUE	0.493	31	15	20%	4	4			
Yes	6	166,832	16.3001	11.8771	-4.423	29	14	4	4.04	10.59	6.55	TRUE	0.493	30	15	20%	4	4			
Yes	7	167,561	13.6065	10.9417	2.6648	25	12	3	2.45	10.18	7.74	TRUE	0.493	31	15	20%	3	3			
Yes	8	169,005	11.8309	9.7933	2.0376	22	11	3	2.45	10.18	7.74	TRUE	0.493	31	15	20%	3	3			
Yes	9	170,054	12.3838	10.3673	2.0164	23	11	3	3.03	9.92	6.89	TRUE	0.493	30	15	20%	3	3			
Yes	10	169,912	13.2649	10.5012	2.7637	24	13	3	2.45	10.18	7.74	TRUE	0.493	31	15	20%	3	3			
Yes	11	169,528	15.3132	14.3665	0.9467	27	14	4	4.04	10.59	6.55	TRUE	1.546	30	46	20%	4	4			
Yes	12	168,979	21.7995	20.7341	1.0654	41	19	5	5.05	11.53	6.48	TRUE	1.546	31	48	20%	5	5			

Non BL

Usage

	Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
0	7.08	0.09863	0.90889	1.09084	0.27827	0.06758	0.00166	0.05951	12.89	0.32877	0.49019	1.07719	0.27827	0.06758	0.00166	0.05951
0	6.07	-	5.08977	-	1.55832	-	0.01162	0.41655	11.42	8.15342	2.74509	-	1.55832	-	0.01162	0.41655
0	5.05	-	4.36266	-	1.33570	-	0.00996	0.35705	11.53	7.36438	2.35293	-	1.33570	-	0.00996	0.35705
0	4.04	-	3.63555	-	1.11308	-	0.00830	0.29754	10.59	8.15342	1.96078	-	1.11308	-	0.00830	0.29754
0	4.04	-	2.90844	-	0.89047	-	0.00664	0.23803	10.59	7.89041	1.56862	-	0.89047	-	0.00664	0.23803
0	4.04	-	2.90844	-	0.89047	-	0.00664	0.23803	10.59	8.15342	1.56862	-	0.89047	-	0.00664	0.23803
0	2.45	(0.58666)	2.18133	-	0.66785	-	0.00498	0.17852	10.18	8.15342	1.17647	-	0.66785	-	0.00498	0.17852
0	2.45	(0.58666)	2.18133	-	0.66785	-	0.00498	0.17852	10.18	8.15342	1.17647	-	0.66785	-	0.00498	0.17852
0	3.03	-	2.18133	-	0.66785	-	0.00498	0.17852	9.92	7.89041	1.17647	-	0.66785	-	0.00498	0.17852
0	2.45	(0.58666)	2.18133	-	0.66785	-	0.00498	0.17852	10.18	8.15342	1.17647	-	0.66785	-	0.00498	0.17852
0	4.04	-	2.90844	-	0.89047	-	0.00664	0.23803	10.59	7.89041	1.56862	-	0.89047	-	0.00664	0.23803
0	5.05	-	3.63555	-	1.11308	-	0.00830	0.29754	11.53	8.15342	1.96078	-	1.11308	-	0.00830	0.29754

CARE Bill Impacts Median

CARE	revmo	Customers	Average	Avg Baseli	High (90th			Median	Low (10th		Status Quo	\$10 Cust			Daily BL	Days/Mo	Monthly	Care	Monthly	Baseline
					Avg Non B	Percentile	Therms		Percentile	Therms		Total Bill	Charge Bill	Delta						
Yes	1	163,889	33.3518	28.6052	4.7465	67	27	7	27.29	26.40	(0.89)	TRUE	1.546	31	48	20%	27	27		
Yes	2	164,902	30.7407	26.6903	4.0504	60	26	6	26.28	24.94	(1.34)	TRUE	1.546	28	43	20%	26	26		
Yes	3	166,397	25.5158	23.7478	1.768	48	22	5	22.24	23.02	0.78	TRUE	1.546	31	48	20%	22	22		
Yes	4	166,351	19.4525	19.0474	0.4051	34	18	4	18.20	20.06	1.86	TRUE	1.546	30	46	20%	18	18		
Yes	5	166,332	17.6071	15.5465	2.0607	31	17	4	17.48	20.58	3.11	TRUE	0.493	31	15	20%	17	15		
Yes	6	166,832	16.3001	11.8771	-4.423	29	14	4	14.15	17.35	3.20	TRUE	0.493	30	15	20%	14	14		
Yes	7	167,561	13.6065	10.9417	2.6648	25	12	3	12.13	16.26	4.13	TRUE	0.493	31	15	20%	12	12		
Yes	8	169,005	11.8309	9.7933	2.0376	22	11	3	11.12	15.59	4.47	TRUE	0.493	31	15	20%	11	11		
Yes	9	170,054	12.3838	10.3673	2.0164	23	11	3	11.12	15.33	4.21	TRUE	0.493	30	15	20%	11	11		
Yes	10	169,912	13.2649	10.5012	2.7637	24	13	3	13.14	16.94	3.80	TRUE	0.493	31	15	20%	13	13		
Yes	11	169,528	15.3132	14.3665	0.9467	27	14	4	14.15	17.35	3.20	TRUE	1.546	30	46	20%	14	14		
Yes	12	168,979	21.7995	20.7341	1.0654	41	19	5	19.21	21.00	1.79	TRUE	1.546	31	48	20%	19	19		

Non BL

Usage

	Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
0	27.29	-	19.63199	-	6.01065	-	0.04482	1.60671	26.40	8.15342	10.58820	-	6.01065	-	0.04482	1.60671
0	26.28	-	18.90488	-	5.78804	-	0.04316	1.54720	24.94	7.36438	10.19604	-	5.78804	-	0.04316	1.54720
0	22.24	-	15.99643	-	4.89757	-	0.03652	1.30917	23.02	8.15342	8.62742	-	4.89757	-	0.03652	1.30917
0	18.20	-	13.08799	-	4.00710	-	0.02988	1.07114	20.06	7.89041	7.05880	-	4.00710	-	0.02988	1.07114
2	17.48	-	10.90666	1.74534	3.78448	-	0.02822	1.01163	20.58	8.15342	5.88233	1.72351	3.78448	-	0.02822	1.01163
0	14.15	-	10.17955	-	3.11663	-	0.02324	0.83311	17.35	7.89041	5.49018	-	3.11663	-	0.02324	0.83311
0	12.13	-	8.72533	-	2.67140	-	0.01992	0.71409	16.26	8.15342	4.70587	-	2.67140	-	0.01992	0.71409
0	11.12	-	7.99822	-	2.44878	-	0.01826	0.65458	15.59	8.15342	4.31371	-	2.44878	-	0.01826	0.65458
0	11.12	-	7.99822	-	2.44878	-	0.01826	0.65458	15.33	7.89041	4.31371	-	2.44878	-	0.01826	0.65458
0	13.14	-	9.45244	-	2.89402	-	0.02158	0.77360	16.94	8.15342	5.09802	-	2.89402	-	0.02158	0.77360
0	14.15	-	10.17955	-	3.11663	-	0.02324	0.83311	17.35	7.89041	5.49018	-	3.11663	-	0.02324	0.83311
0	19.21	-	13.81510	-	4.22972	-	0.03154	1.13065	21.00	8.15342	7.45095	-	4.22972	-	0.03154	1.13065

CARE Bill Impacts Average

CARE	revmo	Customers	Average	Avg Baseli	High (90th			Median	Low (10th		Status Quo	\$10 Cust		Care (T/F)	Daily BL	Days/Mo	Monthly	Care	Monthly	Baseline
					Avg Non B	Percentile	Therms		Percentile	Therms		Total Bill	Charge Bill							
Yes	1	163,889	33.3518	28.6052	4.7465	67	27	7	33.72	30.70	(3.02)	TRUE	1.546	31	48	20%		33	33	
Yes	2	164,902	30.7407	26.6903	4.0504	60	26	6	31.08	28.14	(2.93)	TRUE	1.546	28	43	20%		31	31	
Yes	3	166,397	25.5158	23.7478	1.768	48	22	5	25.79	25.40	(0.39)	TRUE	1.546	31	48	20%		26	26	
Yes	4	166,351	19.4525	19.0474	0.4051	34	18	4	19.66	21.04	1.37	TRUE	1.546	30	46	20%		19	19	
Yes	5	166,332	17.6071	15.5465	2.0607	31	17	4	18.18	21.28	3.10	TRUE	0.493	31	15	20%		18	15	
Yes	6	166,832	16.3001	11.8771	-4.423	29	14	4	16.67	19.52	2.85	TRUE	0.493	30	15	20%		16	15	
Yes	7	167,561	13.6065	10.9417	2.6648	25	12	3	13.75	17.35	3.60	TRUE	0.493	31	15	20%		14	14	
Yes	8	169,005	11.8309	9.7933	2.0376	22	11	3	11.96	16.15	4.19	TRUE	0.493	31	15	20%		12	12	
Yes	9	170,054	12.3838	10.3673	2.0164	23	11	3	12.52	16.26	3.74	TRUE	0.493	30	15	20%		12	12	
Yes	10	169,912	13.2649	10.5012	2.7637	24	13	3	13.41	17.12	3.71	TRUE	0.493	31	15	20%		13	13	
Yes	11	169,528	15.3132	14.3665	0.9467	27	14	4	15.48	18.24	2.76	TRUE	1.546	30	46	20%		15	15	
Yes	12	168,979	21.7995	20.7341	1.0654	41	19	5	22.04	22.89	0.85	TRUE	1.546	31	48	20%		22	22	

Non BL

Usage

	Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
0	33.72	0.09863	0.90889	1.09084	0.27827	0.06758	0.00166	0.05951	30.70	0.32877	0.49019	1.07719	0.27827	0.06758	0.00166	0.05951
0	31.08	-	24.25045	-	7.42467	-	0.05536	1.98469	28.14	8.15342	13.07909	-	7.42467	-	0.05536	1.98469
0	25.79	-	22.35189	-	6.84339	-	0.05103	1.82931	28.14	7.36438	12.05513	-	6.84339	-	0.05103	1.82931
0	19.66	-	18.55281	-	5.68024	-	0.04236	1.51839	25.40	8.15342	10.00616	-	5.68024	-	0.04236	1.51839
3	18.18	-	14.14412	-	4.33045	-	0.03229	1.15757	21.04	7.89041	7.62840	-	4.33045	-	0.03229	1.15757
1	16.67	-	10.90666	2.27514	3.91964	-	0.02923	1.04776	21.28	8.15342	5.88233	2.24668	3.91964	-	0.02923	1.04776
0	13.75	-	10.90666	1.13456	3.62868	-	0.02706	0.96998	19.52	7.89041	5.88233	1.12037	3.62868	-	0.02706	0.96998
0	11.96	-	9.89343	-	3.02903	-	0.02259	0.80969	17.35	8.15342	5.33586	-	3.02903	-	0.02259	0.80969
0	12.52	-	8.60237	-	2.63376	-	0.01964	0.70403	16.15	8.15342	4.63955	-	2.63376	-	0.01964	0.70403
0	13.41	-	9.00439	-	2.75684	-	0.02056	0.73693	16.26	7.89041	4.85638	-	2.75684	-	0.02056	0.73693
0	15.48	-	9.64505	-	2.95299	-	0.02202	0.78936	17.12	8.15342	5.20190	-	2.95299	-	0.02202	0.78936
0	22.04	-	11.13439	-	3.40897	-	0.02542	0.91125	18.24	7.89041	6.00516	-	3.40897	-	0.02542	0.91125
0		-	15.85065	-	4.85293	-	0.03619	1.29724	22.89	8.15342	8.54879	-	4.85293	-	0.03619	1.29724

CARE Bill Impacts Highest 90 Percentile

CARE	revmo	Customers	Average	Avg Baseli	High (90th)			Median	Low (10th)		Status Quo	\$10 Cust			Daily BL	Days/Mo	Monthly	Care	Monthly	Baseline
					Therms	Therms	Avg Non B		Percentile	Therms		Therms	Therms	Total Bill						
Yes	1	163,889	33.3518	28.6052	4.7465	67	27	7	70.50	62.36	(8.13)	TRUE	1.546	31	48	20%		67	48	
Yes	2	164,902	30.7407	26.6903	4.0504	60	26	6	63.13	55.90	(7.22)	TRUE	1.546	28	43	20%		60	43	
Yes	3	166,397	25.5158	23.7478	1.768	48	22	5	48.52	40.60	(7.92)	TRUE	1.546	31	48	20%		48	48	
Yes	4	166,351	19.4525	19.0474	0.4051	34	18	4	34.37	30.87	(3.50)	TRUE	1.546	30	46	20%		34	34	
Yes	5	166,332	17.6071	15.5465	2.0607	31	17	4	33.67	36.62	2.95	TRUE	0.493	31	15	20%		31	15	
Yes	6	166,832	16.3001	11.8771	-4.423	29	14	4	31.35	34.07	2.71	TRUE	0.493	30	15	20%		29	15	
Yes	7	167,561	13.6065	10.9417	2.6648	25	12	3	26.73	29.75	3.02	TRUE	0.493	31	15	20%		25	15	
Yes	8	169,005	11.8309	9.7933	2.0376	22	11	3	23.26	26.31	3.05	TRUE	0.493	31	15	20%		22	15	
Yes	9	170,054	12.3838	10.3673	2.0164	23	11	3	24.42	27.19	2.78	TRUE	0.493	30	15	20%		23	15	
Yes	10	169,912	13.2649	10.5012	2.7637	24	13	3	25.57	28.60	3.03	TRUE	0.493	31	15	20%		24	15	
Yes	11	169,528	15.3132	14.3665	0.9467	27	14	4	27.29	26.14	(1.15)	TRUE	1.546	30	46	20%		27	27	
Yes	12	168,979	21.7995	20.7341	1.0654	41	19	5	41.45	35.87	(5.58)	TRUE	1.546	31	48	20%		41	41	

Non BL

Usage

	Total Bill 1	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =	Total Bill 2	Customer Charge \$/day =	BL Rate \$/th =	NBL Rate \$/th =	G-CP \$/th =	PPPS Non-CARE \$/th =	G-SRF \$/th =	PPPS CARE \$/th =
19	70.50	-	0.90889	1.09084	0.27827	0.06758	0.00166	0.05951	62.36	0.32877	0.49019	1.07719	0.27827	0.06758	0.00166	0.05951
17	63.13	-	34.90131	16.58074	14.91532	-	0.11122	3.98702	55.90	8.15342	18.82346	16.37336	14.91532	-	0.11122	3.98702
0	48.52	-	31.26576	14.83540	13.35701	-	0.09960	3.57046	40.60	7.36438	16.86269	14.64985	13.35701	-	0.09960	3.57046
0	48.52	-	34.90131	-	10.68560	-	0.07968	2.85637	30.87	8.15342	18.82346	-	10.68560	-	0.07968	2.85637
0	34.37	-	24.72176	-	7.56897	-	0.05644	2.02326	36.62	7.89041	13.33329	-	7.56897	-	0.05644	2.02326
16	33.67	-	10.90666	13.96273	6.90112	-	0.05146	1.84474	34.07	8.15342	5.88233	13.78809	6.90112	-	0.05146	1.84474
14	31.35	-	10.90666	12.21739	6.45589	-	0.04814	1.72572	29.75	7.89041	5.88233	12.06458	6.45589	-	0.04814	1.72572
10	26.73	-	10.90666	8.72670	5.56542	-	0.04150	1.48769	26.31	8.15342	5.88233	8.61756	5.56542	-	0.04150	1.48769
7	23.26	-	10.90666	6.10869	4.89757	-	0.03652	1.30917	27.19	8.15342	5.88233	6.03229	4.89757	-	0.03652	1.30917
8	24.42	-	10.90666	6.98136	5.12019	-	0.03818	1.36868	28.60	7.89041	5.88233	6.89405	5.12019	-	0.03818	1.36868
9	25.57	-	10.90666	7.85403	5.34280	-	0.03984	1.42819	26.14	8.15342	5.88233	7.75580	5.34280	-	0.03984	1.42819
0	27.29	-	19.63199	-	6.01065	-	0.04482	1.60671	35.87	7.89041	10.58820	-	6.01065	-	0.04482	1.60671
0	41.45	-	29.81153	-	9.12729	-	0.06806	2.43982		8.15342	16.07838	-	9.12729	-	0.06806	2.43982

SDG&E Residential Bill Impact

2020 TCAP Application

	Rates 1 Status Quo	Rates 2 \$10 Cust Charge
<u>INPUT:</u>		
Customer Bill \$/day =	\$0.09863	\$0.32877
BL Rate \$/th =	\$0.90889	\$0.49019
NBL Rate \$/th =	\$1.09084	\$1.07719
G-CP \$/th =	\$0.27827	\$0.27827
PPPS Non-CARE \$/th =	\$0.06758	\$0.06758
G-SRF \$/th =	\$0.00166	\$0.00166
PPPS CARE \$/th =	\$0.05951	\$0.05951