SOUTHERN CALIFORNIA GAS COMPANY SAN DIEGO GAS & ELECTRIC COMPANY 2016 TCAP Phase 1

12/18/2014

Workpapers to the Prepared Direct Testimony of Sim-Cheng Fung

		Embedded Costs per 12/31/2013						Funtionalized
	Functional Factor	FERC Form 2	Exclusions	Additions	Base Margin	Storage	Storage	A&G
Storage								
814 UndStr Op-Supervision & Engineering (Incl Payroll Taxes) 815 UndStr Op-Maps & Records	100% Storage 100% Storage	\$10.626386 \$0.023638	(\$0.021) \$0.000	\$2.0 \$0.0	\$12.560 \$0.024	\$12.560 \$0.024	100.0% 100.0%	0.0% 0.0%
816 UndStr Op-Wells Expenses	100% Storage	\$5.483401	\$0.000	\$0.0	\$5.483	\$5.483	100.0%	0.0%
817 UndStr Op-Lines Expense	100% Storage	\$0.488332	\$0.000	\$0.0	\$0.488	\$0.488	100.0%	0.0%
818 UndStr Op-Compressor Station Expense 819 UndStr Op-Compress Station Fuel & Power (PBR Excluded)	100% Storage 100% Storage	\$4.387858 \$3.426626	\$0.000 (\$3.427)	\$0.0 \$0.0	\$4.388 \$0.000	\$4.388 \$0.000	100.0% 100.0%	0.0%
820 UndStr Op-Meas & Reg Station Expenses	100% Storage	\$0.004656	\$0.000	\$0.0	\$0.005	\$0.005	100.0%	0.0%
821 UndStr Op-Purification Expenses	100% Storage	\$1.005616	\$0.000	\$0.0	\$1.006	\$1.006	100.0%	0.0%
823 UndStr Op-Gas Losses (PBR Excluded) 824 UndStr Op-Other Expenses	100% Storage 100% Storage	\$0.028487 \$8.241779	(\$0.028) (0.070)	\$0.0 \$0.0	\$0.000 \$8.172	\$0.000 \$8.172	100.0% 100.0%	0.0% 0.0%
825 UndStr Op-Storage Well Royalties	100% Storage	\$1.352380	\$0.000	\$0.0	\$1.352	\$1.352	100.0%	0.0%
826 UndStr Op-Rents	100% Storage	\$0.175767	\$0.000	\$0.0	\$0.176	\$0.176	100.0%	0.0%
830 Maintenance Supervision & Engineering 831 UndStr Mnt-Structures & Improvements	100% Storage 100% Storage	\$0.003320 \$0.538857	\$0.000 \$0.000	\$0.0 \$0.0	\$0.003 \$0.539	\$0.003 \$0.539	100.0% 100.0%	0.0%
832 UndStr Mnt-Reservoirs & Wells	100% Storage	\$4.812829	\$0.000	\$0.0	\$4.813	\$4.813	100.0%	0.0%
833 UndStr Mnt-Lines	100% Storage	\$4.392794	\$0.000	\$0.0	\$4.393	\$4.393	100.0%	0.0%
834 UndStr Mnt-Compressor Station Equipment 835 UndStr Mnt-Meas & Reg Station Equipment	100% Storage 100% Storage	\$4.890009 \$0.751043	\$0.000 \$0.000	\$0.0 \$0.0	\$4.890 \$0.751	\$4.890 \$0.751	100.0% 100.0%	0.0% 0.0%
836 UndStr Mnt-Purification Equipment	100% Storage	\$1.228492	\$0.000	\$0.0	\$1.228	\$1.228	100.0%	0.0%
837 UndStr Mnt-Other Equipment	100% Storage	\$1.286210	\$0.000	\$0.0	\$1.286	\$1.286	100.0%	0.0%
		\$53.148480	(\$3.546)	\$1.955	\$51.557	\$51.557		
A&G FERC Account								
920 AdmGen Op-Salaries Plus Payroll taxes	A&G Func Fctrs/Labor	\$46.091454	\$0.000	\$5.356	\$51.447	\$1.072	2.1%	50.0%
921 AdmGen Op-Office Supplies & Expenses 922 AdmGen Op-(Less) Administrative Exp Transferred	A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$14.519705 (\$6.349039)	\$0.000 \$0.000	\$0.000 \$0.000	\$14.520 (\$6.349)	\$0.302 (\$0.132)	2.1% 2.1%	50.0% 50.0%
923 AdmGen Op-Outside Services Employed - General	A&G Func Fctrs/Labor	\$72.629634	\$0.000	\$0.000	\$72.630	\$1.513	2.1%	50.0%
924 AdmGen Op-Property Insurance	A&G Func Fctrs/Labor	\$3.256461	\$0.000	\$0.000	\$3.256	\$0.068	2.1%	50.0%
925 AdmGen Op-Injuries & Damages 926 AdmGen Op-Employee Pensions & Benefits	A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$34.068221 \$142.537477	\$0.000 \$0.000	\$0.000 \$0.000	\$34.068 \$142.537	\$0.710 \$2.969	2.1% 2.1%	50.0% 50.0%
927 AdmGen Op-Employee Pensions & Benefits 927 AdmGen Op-Franchise Requirements	Excluded	\$45.292214	(\$45.292)	\$0.000	\$0.000	\$2.969	0.0%	0.0%
928 AdmGen Op-Regulatory Commission Expenses	A&G Func Fctrs/Labor	\$5.204593	\$0.000	\$0.000	\$5.205	\$0.108	2.1%	50.0%
930.2 A&G Op-MiscGen Exp(PBR Ex Public Purpose RDD)	A&G Func Fctrs/Labor	\$9.391366	\$0.000	\$0.000	\$9.391	\$0.196	2.1%	50.0%
931 AdmGen Op-Rents 932 AdmGen Mnt-General Plant	A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$17.483135 \$21.242999	\$0.000 \$0.000	\$0.000 \$0.000	\$17.483 \$21.243	\$0.364 \$0.443	2.1% 2.1%	50.0% 50.0%
	7 day 1 dilo 1 dilo 2 day	\$405.368220	(\$45.292)	\$5.356	\$365.432	\$7.613	2.170	00.070
Total Storage O&M, A&G Expenses		\$458.5	(\$48.8)	\$7.3	\$417.0	\$59.2		
Functionalized Return: Storage	100% Storage	\$19.361	\$0.000	\$0.000	\$19.361	\$19.361	100.0%	0.0%
General Plant	A&G Func Fctrs/Labor	\$26.715	\$0.000	\$0.000	\$26.715	\$0.557	2.1%	50.0%
Functionalized Return		\$46.077	\$0.000	\$0.000	\$46.077	\$19.918		
Functionalized Depreciation:								
Storage Depreciation 350.1- GAS STORED UNDRGR Amortization Exp.	1000/ Charage	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
350.1- GAS STOKED UNDROK AMURIZATION EXP.	100% Storage 100% Storage	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
350.3- STORAGE RTS & OIL	100% Storage	\$0.041	\$0.000	\$0.000	\$0.041	\$0.041	100.0%	0.0%
350.4- RIGHTS OF WAY	100% Storage	\$0.001	\$0.000	\$0.001	\$0.001	\$0.001	100.0%	0.0%
351.2- COMPRESS STN STRU 351.4- STRUC & IMPR-CITY	100% Storage 100% Storage	\$1.239 \$0.000	\$0.000 \$0.000	\$0.000 \$0.000	\$1.239 \$0.000	\$1.239 \$0.000	100.0% 100.0%	0.0% 0.0%
352.2- UGS WELLS- ALISO	100% Storage	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
352.4- UNDGD WELLS-CITY	100% Storage	\$6.987	\$0.000	\$0.000	\$6.987	\$6.987	100.0%	0.0%
353.2- UGS LINES - ALISO 353.4- UNDGD LINES-CITY	100% Storage 100% Storage	\$0.000 \$0.776	(\$0.045) \$0.000	\$0.000 \$0.000	(\$0.045) \$0.776	(\$0.045) \$0.776	100.0% 100.0%	0.0% 0.0%
354- COMPRES STN EQUIP	100% Storage	\$1.444	\$0.000	\$0.000	\$1.444	\$1.444	100.0%	0.0%
355- MEAS & REG EQUIP	100% Storage	\$0.250	\$0.000	\$0.000	\$0.250	\$0.250	100.0%	0.0%
356.2- PURIF EQUIP-ALISO 357- OTHER EQUIPMENT	100% Storage 100% Storage	\$3.111 \$1.528	\$0.000 \$0.000	\$0.000 \$0.000	\$3.111 \$1.528	\$3.111 \$1.528	100.0% 100.0%	0.0% 0.0%
358- Montebello (Excluded per MTTA)	Storage Func Fctr (Montet	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
		\$15.377	(\$0.045)	\$0.001	\$15.332	\$15.332		
General Plant Depreciation 389.1- LAND	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	2.1%	50.0%
389.2- LAND RIGHTS	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	2.1%	50.0%
390- STRUCTURES & IMPR	A&G Func Fctrs/Labor	\$22.547	\$0.000	\$0.000	\$22.547	\$0.470	2.1%	50.0%
391.1- OFFC FURN & EQUIP 391.2- COMPUTER EQUIP.	A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$98.919 \$0.000	\$0.000 \$0.000	\$0.000 \$0.000	\$98.919 \$0.000	\$2.061 \$0.000	2.1% 2.1%	50.0% 50.0%
391.3- COMPUTER SOFTWARE	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	2.1%	50.0%
391.4- COMPUTER SOFTWARE	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	2.1%	50.0%
391.5- COMPUTER SOFTWARE 391.6- COMPUTER SOFTWARE	A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$0.000 \$0.000	\$0.000 \$0.000	\$0.000 \$0.000	\$0.000 \$0.000	\$0.000 \$0.000	2.1% 2.1%	50.0% 50.0%
392- TRANSPORT. EQUIP.	A&G Func Fctrs/Labor	\$0.087	\$0.000	\$0.000	\$0.087	\$0.002	2.1%	50.0%
393- STORES EQUIPMENT	A&G Func Fctrs/Labor	\$0.005	\$0.000	\$0.000	\$0.005	\$0.000	2.1%	50.0%
	A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$2.300 \$0.000	\$0.000 \$0.000	\$0.000 \$0.000	\$2.300 \$0.000	\$0.048 \$0.000	2.1% 2.1%	50.0% 50.0%
394.1- SHOP & GARAGE EQU		φυ.υυυ		\$0.000	\$0.000	\$0.000	2.1%	50.0%
394.103- CAPITAL TOOL-KERN		\$0,000			\$0.259	\$0.005	2.1%	50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP.	A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$0.000 \$0.259	\$0.000 \$0.000	\$0.000				50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI	A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$0.259 \$0.003	\$0.000 \$0.000	\$0.000	\$0.003	\$0.000	2.1%	
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQU	A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471	\$0.000 \$0.000 \$0.000	\$0.000 \$0.000	\$0.003 \$19.471	\$0.000 \$0.406	2.1% 2.1%	50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI	A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$0.259 \$0.003	\$0.000 \$0.000	\$0.000	\$0.003	\$0.000	2.1%	50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQUI 397-001- GEN NETWORK EQD 397.002- PBX & OTHER VOICE 397.002- MICROWAVE & RADIO	A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000	2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQUI 397.001- GEN NETWORK EQP 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT	A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000	2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQUI 397-001- GEN NETWORK EQD 397.002- PBX & OTHER VOICE 397.002- MICROWAVE & RADIO	A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.010	2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQU 397.001- GEN NETWORK EQP 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU	A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.010	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQU 397.001- GEN NETWORK EQP 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU Total Functionalized Depreciation	A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.010	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQU 397.001- GEN NETWORK EQP 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU Total Functionalized Depreciation	A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.010	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQU 397.001- GEN NETWORK EQP 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU Total Functionalized Depreciation Functionalized Taxes: Storage Taxes General Plant	A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.437	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.393	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.010 \$3.001 \$18.334	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQU 397.001- GEN NETWORK EQP 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU Total Functionalized Depreciation Functionalized Taxes: Storage Taxes General Plant	A&G Func Fetrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.437	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.393	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.010 \$3.001 \$18.334	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQU 397.001- GEN NETWORK EQP 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU Total Functionalized Depreciation Functionalized Taxes: Storage Taxes General Plant Functionalized Taxes: Miscellaneous Revenues	A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.437 \$0.807 \$1.113 \$1.920	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.393 \$0.807 \$1.113 \$1.920	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.010 \$3.001 \$18.334 \$0.807 \$0.023	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQUI 397-004- MINEWORK EQP 397.002- PBX & OTHER VOICE 397.003- MINEWORK & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU Total Functionalized Depreciation Functionalized Taxes: Storage Taxes General Plant Functionalized Taxes:	A&G Func Fetrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.437	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.393	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.010 \$3.001 \$18.334	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQUI 397-001- GEN NETWORK EQD 397.001- GEN NETWORK EQD 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU Total Functionalized Depreciation Functionalized Taxes: Storage Taxes General Plant Functionalized Taxes: Miscellaneous Revenues 493 - Rent Property Used in Operations at Goleta/Aliso 495 - Curde Oil Sales	A&G Func Fctrs/Labor Storage Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor STORAGE STORAGE	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.437 \$1.113 \$1.113 \$1.120 \$0.309) \$1.2145 \$1.223	\$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.393 \$0.807 \$1.113 \$1.920 \$0.309) (\$12.145) (\$1.023)	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.001 \$3.001 \$18.334 \$0.807 \$0.023 \$0.830 \$0.309) \$12.145) \$12.145	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQUI 397- OOMMUNICATION EQUI 397.001- GEN NETWORK EQP 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU Total Functionalized Depreciation Functionalized Taxes: Storage Taxes General Plant Functionalized Taxes: Miscellaneous Revenues 493- Rent Property Used in Operations at Goleta/Aliso 495 - Crude Oil Sales 495- Goleta Storage Emission Credit Lease & ReclaimCredits 495- Misc Other Gas Revenues	A&G Func Fctrs/Labor Storage Func Fctrs/Labor A&G Func Fctrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.437 \$0.807 \$1.113 \$1.920 \$0.309 \$12.145 \$1.920 \$0.000 \$0.	\$0.000 \$0.000	\$0.000 \$0	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$1.44.061 \$159.393 \$0.807 \$1.113 \$1.920 \$0.309) \$12.145 \$1.023 \$0.009)	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.001 \$3.001 \$18.334 \$0.807 \$0.023 \$0.830 \$0.309) \$12.145 \$1.023 \$0.009)	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0% 50.0% 50.0% 50.0%
394.103-CAPITAL TOOL-KERN 394.3-LRGE PRTBLE TOOLS 395-LABORATORY EQUIP. 396-CONSTRUCTION EQUI 397-COMMUNICATION EQUI 397-001-GEN NETWORK EQD 397.001-GEN NETWORK EQD 397.002-PBX & OTHER VOICE 397.003-MICROWAVE & RADIO 397.004-COMMUNIC. STRUCT 397.01-AUTO EQUIP 398-MISCELLANEOUS EQU Total Functionalized Depreciation Functionalized Taxes: Storage Taxes General Plant Functionalized Taxes: Wiscellaneous Revenues 493-Rent Property Used in Operations at Goleta/Aliso 495-Crude Oil Salase 495-Crude Oil Salase 495-Grude Storage Emission Credit Lease & ReclaimCredits	A&G Func Fctrs/Labor Storage Func Fctrs/Labor A&G Func Fctrs/Labor A&G Func Fctrs/Labor STORAGE STORAGE	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.437 \$1.113 \$1.113 \$1.120 \$0.309) \$1.2145 \$1.223	\$0.000 \$0.000	\$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.393 \$0.807 \$1.113 \$1.920 \$0.309) \$12.145) \$1.023 \$0.099 \$49.319	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.001 \$3.001 \$18.334 \$0.807 \$0.023 \$0.830 \$0.309) \$12.145) \$12.145	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0% 50.0% 50.0% 50.0%
394.103- CAPITAL TOOL-KERN 394.3- LRGE PRTBLE TOOLS 395- LABORATORY EQUIP. 396- CONSTRUCTION EQUI 397- COMMUNICATION EQUI 397-001- GEN NETWORK EQP 397.002- PBX & OTHER VOICE 397.003- MICROWAVE & RADIO 397.004- COMMUNIC. STRUCT 397.01- AUTO EQUIP 398- MISCELLANEOUS EQU Total Functionalized Depreciation Functionalized Taxes: Storage Taxes General Plant Functionalized Taxes: Miscellaneous Revenues 493- Rent Property Used in Operations at Goleta/Aliso 495- Cytel Oil Sales 495- Goleta Storage Emission Credit Lease & ReclaimCredits 495- Goleta Storage Emission Credit Lease & ReclaimCredits 495- Shared Assets	A&G Func Fotrs/Labor Storage Func Fotrs/Labor A&G Func Fotrs/Labor	\$0.259 \$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.469 \$144.061 \$159.437 \$0.807 \$1.113 \$1.920 \$1.2145 \$1.2145 \$1.023 \$0.099 \$0.099 \$0.099 \$0.093	\$0.000 \$0.000	\$0.000 \$0	\$0.003 \$19.471 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$1.44.061 \$159.393 \$0.807 \$1.113 \$1.920 \$0.309) \$12.145 \$1.023 \$0.009)	\$0.000 \$0.406 \$0.000 \$0.000 \$0.000 \$0.000 \$0.001 \$3.001 \$18.334 \$0.807 \$0.023 \$0.830 \$0.309) \$12.145) \$1.023 \$0.099) \$0.099) \$0.099	2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1% 2.1%	50.0% 50.0% 50.0% 50.0% 50.0% 50.0% 50.0% 50.0%

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SoCalGas Storage Margin



SOUTHERN CALIFORNIA GAS COMPANY 2013 Utility Gas Plant in Service By FERC Account for FERC Form 2 (Thousands of Dollars)

		Aso	f December 31, 2013		<u>.</u>	12/31/13	For the Year Ended 2013
ACCOUNT	ACCT NO.	INVESTMENT	ACCUM DEP	NET BOOK VALUE	Book Value Allocator	Weighted Avg Rate Base	DEPRECIATION EXPENSE
Intangible							
	301	76	-	76			-
	302	569	-	569			-
Total Intangible		646	-	646	0.0%	324	-
Gas Production							
	325	15	-	15			
	330	5,557	(1)	5,556			-
	331	455	(0)	455			-
	332 334	1,731	•	1,731			-
	336	536 485	•	536 485			•
Total Gas Prod	330	8,780	(1)	8,778	0.1%	4,408	-
	_						
Underground Storage	e 117.1	58,549	_	58,549			
	350	22,501		22,501			
	351	41,641	(19,759)	21,882			1,23
	352	279,338	(167,005)	112,333			6,98
	353	105,718	(93,440)	12,278			77
	354	137,678	(63,501)	74,177			1,44
	355	6,217	(1,738)	4,479			25
	356	129,485	(66,034)	63,451			3,11
	357	28,975	(7,356)	21,619			1,52
	358	49,599	39,431	89,030			-
Total Underground	Montebello 1 Storage	859,700	(379,402)	480,298	6.9%	241,200	2,009 17,349
Total Oliderground	1 Storage	009,700	(373,402)	400,230	0.370	241,200	17,54
Transmission							
	365	24,528	(15,077)	9,451			44
	366	35,154	(20,867)	14,287			469
	367	1,361,164	(578,873)	782,292			30,174.7
	368	206,667	(106,710)	99,957			2,71:
	369	63,176	(26,635)	36,541			1,33
	371 372	5,181 43,448	(2,714) 121,081	2,466 164,530			200
Total Transmission		1,739,319	(629,795)	1,109,523	15.9%	557,189	35,333
Distribution	374	21 605	(12)	21 672			
	375	31,685 243,599	(12)	31,673 175,070			6,810
	376	3,385,953	(68,529) (1,974,040)	1,411,913			79,27
	378	87,964	(59,343)	28,621			4,39
	380	2,210,344	(1,833,257)	377,087			71,45
	381	560,595	(128,520)	432,075			15,22
	382	341,940	(146,975)	194,965			5,90
	383	134,134	(56,722)	77,411			3,18
	387	31,642	(21,024)	10,618			(180
	388	520,445	1,477,531	1,997,976			
Total Distribution		7,548,301	(2,810,891)	4,737,410	67.8%	2,379,069	186,07
General Plant							
	389	1,417	-	1,417			-
	390	182,426	(153,701)	28,725			22,54
	391	832,683	(335,532)	497,151			98,91
	392	574	(6)	568			8
	393	101	(29)	72			
	394	54,237	(25,246)	28,990			2,30
	395	5,469	(3,360)	2,109			259
	396	12	11	23			
	397	142,888	(51,404)	91,485			19,47
	398	3,305	(148)	3,157			469
Total General Plar	399.1 nt	1,223,656	(936) (570,350)	(392) 653,306	9.3%	328,082	144,06
				,		,,	,00
Other Storage Plan	nt	<u> </u>	-	-	-		-
Total Utility Gas Pl	lant In Service	11,380,401	(4,390,440)	6,989,961	100.0%	3,510,272	382,81
Total Investment		11,380,401					
Less: Cushion Ga		(58,549)					
Plus: UGS topside	ed entry						
Plus: Dist topside	d entry						
Plus: Dist topsided			0040 0 0 10 ==	DO F			
Adj. Utility Plant - F	FERC Form 2	11,321,853 {	= 2013 SoCalGas FE	кс Form 2,p209	, row 129, o	column (g)}	
Total Ratebase at	12-31-2013	3,510,272					



Southern California Gas Company Summary of Native Gas Orders - O & M As of August 31, 2014

Operating & Maintenance

Work Order	IO#	Description	Costs 2009	Costs 2010	Costs 2011	Costs 2012	Costs 2013	Costs 2014	Costs PTD	Projected in Service Date	Work End	Comments
Support Order												
23758.000	300600524	AC-NATIVE GAS OPERATING AND MAINTENANCE	2,674.69	40,349.49	6,057.80	6,141.78	12,770.73	-	67,994.49	12/31/2013		
Total for Operating	& Maintenar	nce							\$ 67,994.49			

Dry Well

Dry well											
Work Order	IO#	Description						Costs PTD	Projected in Service Date	Work End	Comments
Support Order											
23803.000	300609998	ACQUISITION & EXPLORAT	0.16	-	-	-	-	0.16	12/31/2012		
23803.001	300612768	A&E SUB-AC NGP SF 7 RE	36,139.01	-	-	-	-	36,139.01	10/31/2009	12/31/2009	Sub project finished
Total for Dry Well								\$ 36,139.17			

Delay Rentals

Work Order	IO #	Description							Costs PTD	Projected in Service Date	Work End	Comments
Support Order												
23833.000	300617674	AC-NGP ALISO CRETACEOUS STANDARD SESNON	11,852.35	7,910.00	7,910.00	7,910.00	7,910.00	7,910.00	51,402.35	1/3/2011		
Total for Delay Ren	itals								\$ 51,402,35			

Test Wayside 16 Zone

Work Order	IO#	Description					Costs PTD	Projected in Service Date	Work End	Comments
Support Order										
25223.000	300666087	HR - NGP - BD 2 DEEPEN BELOW		-	-	-	-	10/1/2011	10/20/2011	Project cancelled
Total for Test Waysi	de 16 Zone						\$ -			

Note: Work End dates are shown for the projects that are finished or cancelled. Corresponding Projected in Service dates are stricken out.

 O&M
 Subtotal all charges
 155,536.01

 Add: O&M related to cancelled projects indicated in project tabs
 525,026.18

 Total O&M charges
 680,562.19

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Capital-Related Functional factors

	Weighted Avg. Rate Base 2013	% Total	Functionalize Total Return	Functionalize Income Taxes	Functionalize Ad Valorem Tax FERC Form 2 p. 263a	Functionalize Capital- RelatedTaxes
Storage Including Cushion Gas	\$241.20	6.9%	\$19.361	(\$2.191)	\$2.998	\$0.807
Transmisison	\$557	15.9%	\$44.726	(\$5.062)	\$6.925	\$1.864
Distribution	\$2,379	67.8%	\$190.971	(\$21.612)	\$29.569	\$7.958
General Plant & Intangibles	\$333	9.5%	\$26.715	(\$3.023)	\$4.137	\$1.113
Total NBV	\$3,510.27	100.0%	\$281.774	(\$31.888)	\$43.629	\$11.741

	12/31/2013				
Distribution of Salaries and Wages FERC Form 2 p. 355	\$ Millions	% of Total	Functionalize Labor-Related Taxes FERC Form 2 p. 263a	Labor Factor to A&G/Genera	
Gas Supply	\$3.590	0.849%	\$0.444	\$3.590	0.95%
Storage	\$15.821	3.740%	\$1.955	\$15.8	4.17%
Transmission	\$31.554	7.459%	\$3.898	\$31.6	8.31%
Distribution	\$199.123	47.067%	\$24.600	\$328.7	86.58%
Customer Acco	\$104.128	24.613%	\$12.864		
Customer Serv	\$25.499	6.027%	\$3.150		
A&G	\$43.351	10.247%	\$5.356		
Total	\$423.066	100.000%	\$52.266	\$379.7	100.00%

Capital Component	Capital Ratio	Rate	ROR%	Ratebase	Capital	Return
Long-Term Debt	45.60%	5.77%	2.63%	\$3,510	\$1,601	\$92
Preferred Stock	2.40%	6.00%	0.14%	\$3,510	\$84	\$5
Common Equity	52.00%	10.10%	5.25%	\$3,510	\$1,825	\$184
Total	100%		8.02%		\$3,510	\$282

Combined Tax Rate	
SIT	8.84%
FIT	35.00%
Combined Tax Rate	40.75%

			Allocation of General Plan	t Taxes to SoCalGas	'Transmission & Sto	orage_
Calculation of Income Taxes to be collected in rates			50% General Plant Taxes(\$MM)	Fransm. Labor Factor	Transm. General	Plant Taxes(\$MM)
Preferrd Stock Return		\$5.055	1.113	4.2%	\$	0.05
Equity Return		\$184.359				
Authorized after tax equity return	_	\$189.414	50% General Plant Taxes(\$MM) \$	Storage Labor Factor	Storage General I	Plant Taxes(\$MM)
ROR Taxes to be collected in rates	40.75%	\$130.251	1.113	2.1%	\$	0.02
Tax Intercept with Taxes Paid in 2013		(\$162.138)				
State & Federal Income Tay FERC Form 2 n. 263a		(\$31.888)				

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SOUTHERN CALIFORNIA GAS COMPANY

Total Weighted Average Depreciated Rate Base Balance as of December 31, 2013 (Thousands of Dollars)



	Ending	Weighted
Account Description	Balance	Average
Fixed Capital		
Plant In Service	10,763,904	10,371,300
Work-In-Progress (non-interest bearing)	8,529	4,728
Total Fixed Capital	10,772,433	10,376,029
Working Capital		
Materials & Supplies	26,816	25,585
Working Cash	0	0
Total Working Capital	26,816	25,585
Other		
Customer Advances For Construction	(101,493)	(101,316)
Deferred Revenue - ITCC	(32,990)	(33,900)
Total Other	(134,483)	(135,216)
Deductions For Reserves		
Accumulated Depreciation Reserve	(6,045,050)	(5,900,117)
Accumulated Deferred Taxes - Plant	(1,022,602)	(967,929)
Accumulated Deferred Taxes - CIAC	115,785	112,060
Accumulated Deferred Investment Tax Credits	(140)	(140)
Total Deductions For Reserves	(6,952,007)	(6,756,126)
Weighted Average Depreciated Rate Base	3,712,759	3,510,272