Application of SOUTHERN CALIFORNIA GAS	)
COMPANY for authority to update its gas revenue	)
requirement and base rates	)
effective January 1, 2019 (U 904-G)	)

Application No. 17-10-008 Exhibit No: (SCG-41-WP-2R)

# SECOND REVISED

# **WORKPAPERS TO**

# PREPARED DIRECT TESTIMONY

OF ANNETTE M. STEFFEN

# ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY

# BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

April 6, 2018



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39 total tabs (not pages)	

MISCELLANEOUS REVENUES  SUMMARY  Thousand of Dollars (\$)  Testimony Item #  Activities  G/L Account Description  FORECAST METHODOLOGY  FORECAST GROWTH RATE  SUMMARY  FORECAST GROWTH RATE	SOUTHERN	ALIFORNIA GAS COMPANY	T						1							
Description   Control Dates (5)																
Tellinery   Activities																
	Thousand of D	Pollars (\$)														
Macellearous Service Brewness																
		Activities	G/L Account Description		FC	DRECAST ME	THODOLOG	Υ		FOREC	AST GROWT	H RATE		SUMMARY	OF RESULTS	
Service Extensions   Service				2012	2013	2014	2015	2016	AVG*	2017	2018	2019	2016 Rec	2017 Est	2018 Est	2019 TY
1   Service Edisblement Charges (SEC)   Service Enablement Charges   24,646   23,35   24,676   23,476   23,476   23,476   23,976   24,676   23,076   24,677   23,077   24,67		Miscellaneous Service Revenues	488			2011		20.0	7.00		20.0		20101100	2011 201	2010 201	
Recommodification   Reco	1			24,049	23,335	21,851	21,416	21,574	22,445	-2.0%	-1.9%	0.0%	21,574	21,140	20,749	0
Seconsection Charge   Miss See New Recomment Charge   1,296   1,296   1,296   1,296   1,297   1,510   0,076   0,756   0,075	2	AMI Opt Out Fee	Opt Out Fee	0	0	0	0	0	0	0.0%	0.0%	0.0%	0	3,240	2,521	1,054
# Residential Part Program   Residential Part Program   Roy Form Comm Parts States   2,600   2,246   2,300   0   12,726   1,0%   0,0%   0,5%   3,50%   0   1,0%   0	3		Misc Svs Rev Reconnect Charge	1,298	1,396	1,250	1,493	1,797	1,513	0.0%	0.0%	0.0%	1,797	1,513	1,513	1,513
Cornect Appliance Program   Rever From Age Connection Sec   96   77   76   77   78   37   0   24 5 5   0.75   0.95   87	•								0					2,848		
7   Natural Gai Verleick Mentenance   Rev from Cact Conned NoV Station Mant   57   91   84   101   131   99   0.0%   0.														3,976		
B														109		
Second Company														99		
Other Customer Service Revenues   Revenue from Set Time Apple Soc Chirg   54   48   41   59   67   0   0.8%   0.9%   0.4%   0.														60 521		
Rent From Property Used in Operations   Size   Si									521					93		
Rent From Case Property	10	Outer Gustoffier Gervice Neverlues		54 E					0					93	0	
Rev for Semine Restores   316   318   332   421   444   0   14.9%   0.8%   0.				3				- v	n					7	7	
Sub-Total				316				ŭ	0					510		
Rent From Gas Property   493									0					19		
Rent From Gas Property   493		Sub-Total		31.131				30.806	24.638				30.806	34,135		
Sub-Total   Rent from Property Used in Operations   Goldea Lease Fees   Alice Rental for Property (See in Control of See In Control of S								,	,				,			
Alian Ferdam for Telecom Sites   203   246   219   227   225   224   4.0%   2.8%   3.5%   225		Rent From Gas Property	493													
Sub-Total	11	Rent from Property Used in Operations	Goleta Lease Fees									2.5%		61		
Sub-Total   479   596   601   559   471   561   8.8%   2.7%   9.2%   471														234		
Chief Gas Revenues   Shared Assets (after BUCU reallocation)   Shared Assets Fewerue - Gas Distrib   40,054   49,856   50,351   52,995   54,576   49,567   -12,874   -0.274   17,111   -0.275   -0.276			Rents for Prop Use - Non-tariff Gas											187		
13		Sub-Total Sub-Total		479	596	601	659	471	561	8.8%	-2.7%	9.2%	471	482	473	489
13		Ott O D	405													
Honor Rancho Di Rev   9.219   5.401   3.574   3.092   17.711   4.599   45.1%   7.6%   96.5%   17.711   4.72   5.012   17.41   999   2.910   17.4%   2.0%   0.2%   999   Aliso Shallow Zone   2.415   4.472   5.012   17.41   999   2.910   17.4%   2.0%   0.2%   999   Aliso PEOC   316   333   288   304   95   273   9.99%   450.0%   0	42			40.0E4	40.056	E0 2E1	E2 00E	E4 E76	40 567	12 00/	0.20/	14 60/	E4 E76	47,589	47,481	54,398
Aliso Shallow Zone														939		
Alleo PEOC   Alleo PEOC   All Administrative Fee For PDR PECO 0II & Gas LLC, et al   3,154   1,880   2,2617   1,140   737   1,996   1,0%   2,2%   2,4%   2,4%   737	13	Citude Oil Sales												1,067		
PECO Oil & Gas LLC, et al.   Administrative Fee FOP RPECO Oil & Gas LLC, et al.   Administrative Fee FOP RPECO Oil & Gas LLC, et al.   Administrative Fee FOP RPECO Oil & Gas LLC, et al.   Administrative Fee FOP RPECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & For FoP RPECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas LC, et al.   Administrative Fee For PPRECO Oil & Gas Converse Fee F														1,007		
Administrative Fee For PDR PECO Q1 & Gas LLC, et al.   Administrative Fee For PDR PECO Q1 & Gas   14														745		
14   Storage Engineering Emission Credits   Goleta Chevron Emissions Credits   767   1,023   1,023   1,023   1,023   1,023   1,023   0,0%   0,0%   0,0%   0,0%   1,023   15   15   Returned Chack Charges   492   463   450   494   657   496   0,0%		Administrative Fee For PDR PECO Oil & Gas LLC, et al.												15		
16	14			767	1,023	1,023		1,023		0.0%		0.0%	1,023	1,023		
Training Activity	15		Returned Check Charges											496		
Sundry Tmg Materials														4,574		
Line Item Billing	17	Training Activity												298		
Line Item Billing Non-Tariff Third Party Rev 19 Federal Energy Retrofit Program (FERP) Other Rev Gas - Federal Proj Mgnt Services 73 80 78 88 88 86 3-3.7% 0.0% 0.0% 88  Geographic Services 73 80 78 88 88 88 85 3-3.7% 0.0% 0.0% 88  Gas Land Services Right Off Way Revenue 13 13 11 20 10 14 34.8% 0.0% 0.0% 10  Aliso Crimson Aliso Termo 43 45 44 40 34 41 7.3% 0.0% 0.0% 34  Aliso Road Access Fees 2 10 10 10 11 8 8 80 0.0% 0.0% 0.0% 34  Aliso Canyon Reclaim Trading Credits 0 7 20 0 97 25 100.0% 0.0% 0.0% 97  21 Microwave Bandwidth Lease Revenue Microwave Bandwidth Lease Revenue Microwave Bandwidth Lease Revenue Microwave Bandwidth Lease Revenue  Microwave Bandwidth Lease Revenue														163		
19   Federal Energy Retrofit Program (FERP)   Other Rev Gas - Federal Proj Mgmt   860   753   530   726   366   647   80.0%   97.9%   -56.3%   366     20   Miscellaneous Other Gas Revenues   Geographic Services   73   80   78   88   88   85   -3.7%   0.0%   0.0%   0.0%   88     31   11   20   10   14   34.8%   0.0%   0.0%   0.0%   10     41   34.8%   0.0%   0.0%   0.0%   10     42   Aliso Crimson   63   77   75   73   69   71   -13.2%   0.0%   0.0%   0.0%   69     43   45   44   40   34   41   7.3%   0.0%   0.0%   0.0%   34     54   Aliso Gand Access Fees   2   10   10   11   8   8   20.0%   0.0%   0.0%   88     55   Aliso Crimson   63   77   75   73   69   71   -13.2%   0.0%   0.0%   69     56   Aliso Crimson   443   445   44   40   34   41   7.3%   0.0%   0.0%   0.0%   34     55   Aliso Caryon Reclaim Trading Credits   0   7   20   0   97   25   -100.0%   0.0%   0.0%   0.0%   0.0%   31     57   Aliso Caryon Reclaim Trading Credits   0   7   20   0   97   25   -100.0%   0.0%   0.0%   0.0%   0.0%   31     57   Aliso Caryon Reclaim Trading Credits   0   7   20   0   97   25   -100.0%   0.0%	18	Line Item Billing												54		
20   Miscellaneous Other Gas Revenues   Geographic Services   73   80   78   88   88   85   3.7%   0.0%   0.0%   88	40	Fodoral Francis Detrofit Program (FERR)												5,539 130		
Cas Land Services Right Of Way Revenue   13   13   11   20   10   14   34.8%   0.0%   0.0%   10																
Aliso Crimson 63 77 75 73 69 71 -13.2% 0.0% 0.0% 69  Aliso Termo 43 45 44 40 34 41 7.3% 0.0% 0.0% 34  Aliso Termo 43 45 44 40 34 41 7.3% 0.0% 0.0% 0.0% 34  Billo Road Access Fees 2 10 10 11 18 8 80.00% 0.0% 0.0% 0.0% 8  Microwave Bandwidth Lease Revenue Aliso Canyon Reclaim Trading Credits 0 7 20 0 97 25 -100.0% 0.0% 0.0% 0.0% 31  21 Microwave Bandwidth Lease Revenue Microwave Bandwidth Lease Revenue 27 40 27 24 31 30 0.0% 0.0% 0.0% 0.0% 31  22 Ownership Charges Unrefunded CAC Balance 4,462 4,968 4,828 4,450 3,270 4,183 -14.9% 5.1% 3.370  Sub-Total Other Adjustments 67,284 74,128 75,088 74,571 73,024 72,666 26.1% 596.5% 3.31% 73,024  Other Adjustments 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20	IVIISCEIIATIECUS OTITEI GAS REVETIUES												85 14		
Aliso Termo Aliso Termo Aliso Termo Aliso Termo Aliso Termo Aliso Termo Aliso Canyon Reclaim Trading Credits Description of the Adjustments  2 10 10 11 18 8 8 20.00% 0.0% 0.0% 0.0% 97 25 -100.0% 0.0% 0.0% 97 21 Microwave Bandwidth Lease Revenue														60		
Aliso Road Access Fees   2   10   10   11   8   8   200.0%   0.														36		
Aliso Canyon Reclaim Trading Credits 0 7 20 0 97 25 -100.0% 0.0% 0.0% 97 21 Microwave Bandwidth Lease Revenue Microwave Bandwidth Lease Revenue 27 40 27 24 31 30 0.0% 0.0% 0.0% 31 32 0.0% 0.0% 0.0% 31 32 0.0% 0.0% 0.0% 31 32 0.0% 0.0% 0.0% 31 32 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0																
21       Microwave Bandwidth Lease Revenue       27       40       27       24       31       30       0.0%       0.0%       0.0%       31         22       Ownership Charges       Unrefunded CAC Balance       4,462       4,968       4,828       4,450       3,270       4,183       -14.9%       -5.1%       -3.1%       3,270         Sub-Total       Other Adjustments       Other Adjustments       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0 <td></td> <td></td> <td></td> <td></td> <td>7</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td>657</td>					7		0							0		657
Sub-Total         67,284         74,128         75,088         74,571         73,024         72,666         26.1%         596.5%         -3.1%         73,024           Other Adjustments           23         Gain on Sale of Property         0		Microwave Bandwidth Lease Revenue	Microwave Bandwidth Lease Revenue		40	27	24	31	30		0.0%		31	30	30	30
Other Adjustments			Unrefunded CAC Balance											3,561		
23 Gain on Sale of Property 0 0 0 0 0 0 0 0 0 0 0.0% 0.0% 0.0% 0.0		Sub-Total Sub-Total		67,284	74,128	75,088	74,571	73,024	72,666	26.1%	596.5%	-3.1%	73,024	66,442	66,313	71,700
23 Gain on Sale of Property 0 0 0 0 0 0 0 0 0 0 0.0% 0.0% 0.0% 0.0		Other Adjustments														
Sub-Total 0 0 0 0 0 0 0 0 0.0% 0.0% 0.0% 0.0% 0.		Other Aujustinelits			+	+							1			<del>                                     </del>
Sub-Total 0 0 0 0 0 0 0 0 0.0% 0.0% 0.0% 0.0% 0.	23	Gain on Sale of Property		n	0	0	0	n	n	n n%	n n%	n n%	n	n		_
Grand Total (Including Shared Assets and ITCC) 98,894 105,347 105,084 105,289 104,300 97,865 133.8% 598.4% 10.5% 104,300   Grand Total Excluding ITCCA 94,507 102,136 101,694 101,665 100,429 94,168 115.7% 577.2% -3.1% 100,429   Grand Total Excluding Shared Assets 58,840 55,491 54,733 52,293 49,724 48,298 146.6% 598.6% -4.1% 49,724		Sam Sin Sale of Frequency	Sub-Total	n	0	0	0	n	0				0	0	0	0
Grand Total Excluding ITCCA 94,507 102,136 101,694 101,665 100,429 94,168 115.7% 577.2% -3.1% 100,429 94,168 115.7% 577.2% 100,429 94,168 115.7% 577.2% 100,429 94,168 115.7% 577.2% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,168 115.7% 100,429 94,16				Ů			Ü	Ü	Ŭ					Ů		
Grand Total Excluding Shared Assets 58,840 55,491 54,733 52,293 49,724 48,298 146.6% 598.6% -4.1% 49,724		Gra	nd Total (Including Shared Assets and ITCC)	98,894	105,347	105,084	105,289	104,300	97,865	133.8%	598.4%	10.5%	104,300	101,059	99,874	83,110
Grand Total Excluding Shared Assets 58,840 55,491 54,733 52,293 49,724 48,298 146.6% 598.6% -4.1% 49,724			Grand Total Excluding ITCCA	94.507	102.136	101.694	101.665	100.429	94.168	115.7%	577.2%	-3.1%	100.429	96,486	94,330	76,813
			5.2 Total Excitating ITOOA													
" IT applicable, 3 to 5 Year Average - see workpapers			Grand Total Excluding Shared Assets	58,840	55,491	54,733	52,293	49,724	48,298	146.6%	598.6%	-4.1%	49,724	53,470	52,393	28,713
	*	If applicable, 3 to 5 Year Average - see workpapers													<b></b>	<b></b>

	SOUTHERN C	ALIFORNIA GA	AS COMPAN	Υ				
		ANEOUS RE						
	TAB 1: FERC ACCOUNT 48	8 SERVICE ES	TABLISHME	NT CHARGE	S	1		
A. Acco	unt Description: # 1 Service Establishment Charge	es						
	e Service Establishment Charge is \$25.00 for all custo vice pursuant to SoCalGas Tariff Rule No. 10.	omers, except e	electric gener	ation and who	lesale custo	mers, to esta	ablish gas	
B. Fored	ast Methodology							
rat	e SEC forecast is based on the historical 2012 through e 4-Year average % historical trends((2016 actual - the period 2017-2019.				pase, while a	djusting for a	annual custom	er grov
	Srvc Establishment Fee Actu	ual <u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	4 YR AVG	
	Service Establishment Fee Ad CARE Discount (Report E03P04, E03P04-2 A		23,335	21,851	21,416	21,574	***	
			2017	2018	2019			
	Forecast Growth Ra	ate	-2.0%	-1.9%	2013			
	FORECAST = 5 Year Avg x Growth Ra	ate	21,140	20,749	0			
C Sumr	nary of Results							
J. Julii	nary of results							
				Total				
	ine Miscellaneous Revenues			(\$000)				
	1. 2016 Actual			21,574				
	2. <b>2017 Estimated</b>			21,140				
	3. <b>2018 Estimated</b>			20,749				
	4. <b>2019 Test Year</b>			-				
	SCG/Ex. No: SCI	G-41-WP-2R //	Vitness: Anne	ette M. Steffer				
***	Average was not provided	Page 4 o		1.5				

							5	Southern Calif	orni	a Gas Compa	an	У						
								Miscellane	eou	s Revenues		-						
				TAB	1: F	ERC ACCOUN	T 48	88 SERVICE ES	STA	BLISHMENT (	CI	HARGES (SE	C) F	ORECAST				
Account Descr	iptic	<u>on</u>																
The currently a	utho	rized SEC fee	is \$	25 for all custo	mer	s, except for el	ectri	c generation ar	nd w	holesale custo	om	ners, which is t	to es	stablish gas se	rvice	pursuant to		
SoCalGas' Ca	lifori	nia Public Utilit	ies (	Commission ("(	Com	mission" or "Cl	PUC	")-approved Ta	riff I	Rule 10.				_		•		
SEC Historical																		
	GL	Accounts 4330	003	, 4330031 and	CAI	RE Discount												
						Actual					1					change from		
	_	2012		2013		2014		2015	_	2016				2012-2013				2015-2016
Total	\$	24,048,757	\$	23,335,261	\$	21,851,453	\$	21,415,950	\$	21,573,657				-3.1%		-6.8%	-2.0%	0.7%
Forecast Meth	odo	logv																
			his	torical 2012 thr	roua	h 2016 trends v	with :	2016 recorded	as t	he base, while	- a	adiusting for ar	nua	al customer arc	wth	rate		
					Τ					•		, ,						
	4-Y	ear average %	hist	orical trends (	(20	16 actual - 201	2 ac	tual) / 2012 act	tual	) / 4 year								
														Forecast	<del>                                     </del>			
											L	2017		2018		2019		
								stomer growth r				0.56%		0.72%		0.78%	CGR 2017	
							4-ye	ear average %			-	-2.57%		-2.57%		-2.57%		
								Net % chan	ge y	ear-over-year		-2.01%		-1.85%		-1.79%		
											+							
	Fore	ecast Revenue	<u> </u>	( 2016 volume	bas	e vear X net	⊬ % ch	nange year-ove	r ve	ar ) +2016 volu	un	ne base vear )	X	\$ 25				
						,		<u> </u>	, -	,	T	, ·-·· /		· -				
						Actual					T			Forecast				
		2012		2013		2014		2015		2016		2017		2018		2019		
Revenue	\$	24,048,757			\$	21,851,453		21,415,950	\$	21,573,657				20,749,067				
	\$	25	\$	25	\$	25	\$	25	\$	25	_	•	\$	25	\$	25		
Volume		961,950		933,410		874,058		856,638		862,946		845,610		829,963		815,094		
In thousands		24,049		23,335		21,851		21,416		21,574								

		SOUTHERN CALI	FORNIA GA	AS COMPA	NY				
		MISCELLAN	IEOUS REV	/ENUES					
		TAB 2: FERC ACCOUNT 4	88 Advanc	ed Meter (	Opt Out Fee				
A. Accour	nt Descript	ion: # 2 Advanced Meter O	pt Out Fee						
The All		is requested to continue the							le for a
		period of 3-years from the da	ate the resid	ential custo	omer enrolls	in the Opt-	Out Progra	m	
B. Foreca	st Methodo	ology							
		ctive opt-out customers and	a 3-vear av	erage of fu	ture ont-out	customers	as well as t	he	
		service order count trend for		orago or ra	taro opt out	ouotornoro :	ao won ao i		
	Guotomor								
			<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	4 YR AVG	
									***
				<u>2017</u>	<u>2018</u>	<u>2019</u>			
		Forecast Growth Rate			-22.2%	-58.2%			
FO	RECAST =	3 Year Avg x Growth Rate		3,240	2,521	1,054			
0.0	ame of Door	li -							
C. Summa	ary of Resu	lits							
					Total				
	Line	Miscellaneous Revenues			(\$000)				
	1.	2016 Actual			(\$000)				
	2.	2017 Estimated			3,240				
	3.	2018 Estimated			2,521				
	4.	2019 Test Year			1,054				
					.,	<u> </u>			
***	Historical	revenues not available for the	e forecast.						

														AS COMPAN	Y									
													EOUS REV											
<u> </u>			1 1	-					TAB	2a: FI	ERC ACC	OUNT 48	38 AMI OP	T OUT FEE F	ORECAST		1	1	1	1 1		1	1	
										-														
			1							-+											<del>                                     </del>			<b>-</b>
Subject: RE	· Ont-Out Aug	ust Outlook 201	, '		,	'	"		'				'		'		1		١					
bubject. NE	, opt-out Aug	ust Outlook 201																						
Hi all,																								
,																								
																					-			
'm attachii	na tha undata	Outlook for On	t-Out holow. The	ara ara a faw kay	adjustments that are	included with	this outlank Isaa	bullet pts.). I'll be glad to s	chadula coma tima to rav	ow it fu	uthar if naad	lad Thank	el											<b>—</b>
III attaciiii	ig tile upuate	outlook for op	t-Out below. The	ere are a rew key	aujustilielits tilat alt	iliciadea with	uns outlook (see	bullet histly I il he glad to s	unedule sonie unie to rev	ewitiu	il ulei il lieeu	icu, Illalik	31										_	
. +			to be a supplement		0																			
• Ine	e updated 5-ye	ar Outlook is mi	ore in line with ou	ır previous 5-year	Outlook in 2016																			
	o The May	2017 Outlook die	not include MVF	Read Orders	in the actuals for th	e early nortion	of 2017 This is a	lower volume activity, but it	t has been added hack int	n the for	recast Δs a i	result the i	indated forec	act is more refler	tive of the 5-ve	ear Outlook th	at was suhmitte	d in 2016						
							01 2017. 1115 15 0	iower volume delivity, but i	t has been added back int	o the for	necasti Asa i	result, the t	puuteu toree	ast is more renet	anc or the 5 ye	Lui Outiook tii	at was sabilitie	.0 111 20101						
<ul> <li>The</li> </ul>	number of A	ctive Opt-Out cu	stomers was also	updated with the	latest actuals in the	new forecast																		
• We	received the	updated 2017 fo	recast from the C	ustomer Contact	Center (we included	itne 3-year ave	erage for future y	ears)																-
• Wo	alco racaivad	12 hatchnu adt	G Order Counts fo	rom Iim Guillet for	2016 and 2017 that	ic includad in th	na naw foracast /	trend % used for activity "or	rdar" hacad anrollmants/	in-anrol	llmants — lou	uar voluma)												
									der based enrollinents/	III-EIII OI	IIIIIEIIG IOW	ver volunte												
• We	have update	the 2017 avera	ge time that it tak	es the field to con	nplete the Bill Read	Orders to calcu	late more accurat	te FTE information											(					
			-																					
• In /	August 2020, ti	iere will no long	er be any margina	al (major) revenue	es received from cus	tomers paying	the monthly Opt	Out fees as a result of the 3	3-year limitation (high-ligh	ed in bl	lue).													
DEVENUE E	ORECAST CON	IDADICON																						
KEVENUE	UKECASI CUI	IPAKISUN																			<del>                                     </del>		<del>                                     </del>	
	Aug 2016	5/26																						
	_			7/2011																				
	Original	Updated		7/13 Updated	1																			
	Forecast	Forecast	Difference	Forecast	Difference																			
$\overline{}$		Torcost			_													+‡+			-			
	\$000	\$000	\$000	\$000	\$000													1/2		1	1	-	<del>                                     </del>	
				-	_														-					
	Α	В	C = B - A	D	E=D-B																			
2017	ć 2.24A	ć 2,000	ć (24E)	d 2.240	ć 241																			
2017	\$ 3,314	\$ 2,999	\$ (315)	\$ 3,240	\$ 241																			
2018	\$ 2,486	\$ 2,240	\$ (246)	\$ 2,521	\$ 281																			
2010	2 <sub>1</sub> 400 ب	<del></del>			+																			
2019	\$ 892	\$ 1,283	\$ 391	\$ 1,054	\$ (229)																			<del></del>
2025	7 332	y 2/200	7 552	y 2/001	7 (22)																	-	<del>                                     </del>	-
																							<del> </del>	
																			-				<u> </u>	
1																			-				<b> </b>	
BILL READ (	ORDER FOREC	IST COMPARISO	N																			i	<del>                                     </del>	

## SOUTHERN CALIFORNIA GAS COMPANY MISCELLANEOUS REVENUES TAB 3: FERC ACCOUNT 488 RECONNECTION CHARGE FORECAST A. Account Description: # 3 Reconnection Charge The Reconnection Charge is \$16.00 to re-establish service subsequent to the closing of a customer account for non-payment pursuant to SoCalGas Tariff Schedule/Rule 10. B. Forecast Methodology The 2019 estimate is based on a three year historical average (2014-2016) adjusted for the annual growth rates for non-pay turn-on orders for the period 2017-2019. A three year historical average was adopted to reflect increased Field activity in 2016 and a sustained Field activity at a slightly decreased level. 2012 2013 2014 2015 2016 3 YR AVG Misc Svs Rev Reconnect Charge 1,298 1,396 1,250 1.493 1,797 1,513 2019 2017 2018 **Forecast Growth Rate** 0.0% 0.0% 0.0% **FORECAST = 3 Year Avg x Growth Rate** 1.513 1.513 1.513 C. Summary of Results Total Miscellaneous Revenues (\$000) Line 1. 2016 Actual 1,797 2. 2017 Estimated 1.513 3. 2018 Estimated 1,513 SCG/Ex. No: SCG-41-WP-2R /Witness: Anniette3M. Steffen 2019 Test Year

		SOUT	HERN CALIFO	RNIA GAS CO	MPANY		
			MISCELLANE	OUS REVENUE	S		
		TAB 3A: FER	C ACCOUNT 48	88 RECONNEC	TION CHARGI	E	
GL Accou	ınt 4330002						
	0040	0040	0044	0045	0040		
	2012	2013	2014	2015	2016		
Jan	81,925	113,500	99,139	104,569	88,707		
Feb	111,983	118,234	111,222	127,028	115,141		
Mar	121,626	129,879	100,379	152,220	163,359		
Apr	114,759	131,495	108,140	146,276	164,533		
May	119,582	123,637	104,099	125,326	163,877		
Jun	112,024	110,880	108,536	128,341	173,123		
Jul	99,510	105,731	86,633	121,645	132,397		
Aug	116,967	133,213	89,800	119,312	182,215		
Sep	91,937	121,663	98,471	121,903	173,935		
Oct	133,027	120,879	119,051	147,346	171,111		
Nov	107,798	102,953	114,296	117,773	154,763		
Dec	86,392	84,035	109,971	81,525	114,061		
Total	1,297,530	1,396,099	1,249,735	1,493,263	1,797,222		
3 year av	verage			1,513,407			
Forecast	Years				2017	2018	2019
Forecast	Growth by Year -	-			0.0%	0.0%	0.0%
			Forecast		1,513,407	1,513,407	1,513,407

		SOUTHERN CAL	IFORNIA G	AS COMPAN	Υ			
			NEOUS RE					
		TAB 4: FERC ACCOUNT 488 RES	SIDENTIAL	PARTS PRO	RAM FOREC	CAST		
A. A	ccount [	Description: # 4 Residential Parts Program						
		sidential Parts Program provides limited parts replaced include such items as as as.						
B. F	orecast	Methodology						
	the cus	19 forecast is based on the 2016 average transaction tomer services field forecasted orders, multiplied by	the 2016 av	erage revenu	e per sales or	der transactio	on. This fored	ast
		ology aligns with the activity forecast presented in the Tab 4b for the detailed calculations.	ne Custome	r Services - Fi	eid testimony	or Gwen Mar	elli (Ex. SCG-	-18-R).
			<u>2012</u>	<u>2013</u>	2014	<u>2015</u>	<u>2016</u>	
		Residential Limited Parts Program	1,932	1,948	2,063	2,416	2,539	
				<u>2017</u>	<u>2018</u>	<u>2019</u>		
		Forecast Growth Rate						
		FORECAST = refer to Forecast Methodology above.		2,848	2,875	2,889		
c. s	ummary	of Results						
					Total			
	Line	Miscellaneous Revenues			(\$000)			
	1.	2016 Actual			2,539			
	2.	2017 Estimated			2,848			
	3.	2018 Estimated			2,875			
	4.	2019 Test Year SCG/Ex. No: SCG-41-W	P-2R /Witne	ess: Annette M	1. Steffen 2,889			

	SOUTHERN (	CALIFORNIA GA	S COMPANY			
		LANEOUS REVI				
TAB 4A	: FERC ACCOUN	T 488 RESIDENT	TIAL PARTS PRO	GRAM		
2012	2013	2014				
(168,384.50)	(182,150.68)	(178,305.59)	(236,511.97)	(245,043.38)		
(170,816.76)	(172,767.52)	(149,098.32)	(187,442.87)	(211,630.85)		
(164,264.18)	(135,033.00)	(146,102.36)	(163,735.82)	(184,691.38)		
(146,032.00)	(137,580.00)	(165,856.56)	(178,540.83)	(169,575.38)		
(156,500.23)	(150,118.45)	(154,589.00)	(179,005.00)	(207,556.44)		
(141,465.37)	(126,687.00)	(143,792.00)	(174,132.77)	(173,791.00)		
(134,718.47)	(128,898.39)	(139,629.42)	(181,374.01)	(198,462.23)		
(133,235.23)	(139,960.20)	(151,837.88)	(159,792.58)	(181,918.00)		
(132,109.00)	(138,880.00)	(162,715.40)	(174,804.60)	(189,616.00)		
(170,203.05)	(164,559.00)	(183,064.04)	(185,106.00)	(210,281.04)		
(219,512.76)	(223,255.62)	(257,724.00)	(304,632.00)	(262,497.26)		
(194,828.00)	(248,389.71)	(230,528.00)	(290,987.58)	(303,665.05)		
(1,932,069.55)	(1,948,279.57)	(2,063,242.57)	(2,416,066.03)	(2,538,728.01)		

Part		Southern California Gas Company																						
		Miscellaneous Revenues																						
## Authors   March September	TAB 1B																							
Second Continue																								
The content of the part of the content of the part o					$\vdash$	Appliance	Program, Time	a Appointme	nt, Non-Seismi	c Kestores,	Seismic Kesto	res, and Seisn	nic Services											
The content of the part of the content of the part o							201	7 TV 2010	CTIMATED D	EVENUE CU	MANAARY (CO	1001		-							-			
March   Control of C							201		ESTIMATED K	EVENUE SU	IVIIVIARY (ŞU	100)												
Visible   Control   Cont										Time	Non-	Seismic	Seismic											
Notice to the Confidence of the Part of of the Pa						Year						Restores												
Procedure Service Analysis   Procedure Serv							Program	Program	Program		Restores													
The first Confidence of Section Confidence						2017	\$ 3,976	\$ 2,848	\$ 109	\$ 93	\$ 19	\$ 510	\$ 7											
Control Cont																								
Property of the property of						2018	\$ 4,005	\$ 2,875	\$ 110	\$ 93	\$ 20	\$ 514	\$ 7											
			L6 average rev	venue per sa	ales order	Tr. 2040	4 4007	ć 2.000			ć 20	ć 540												
Column   C		transaction is snown in column r below.		_		11 2019	\$ 4,037	\$ 2,889	\$ 110	\$ 94	\$ 20	\$ 518	\$ /											
Column   C		Datailed Calculations for Commercial Borts, Broom	- Dooldon	tial Darta D	L		nee Dreeren	Timed Ann	interest No.	e Calamia D	astavas Cais	mie Desteres	and Calend	- Comileos										
March   Marc		Detailed Calculations for Commercial Parts, Progr	ain, kesiden	Iliai Parts P	Togram, Co	nect Applia	ince Program,	Timea App	Jintment, Noi	1-Seismic K	estores, seis	mic Restores	, and seism	C Services										
March   Marc		Column/Calculation Steps >>	A1	Α2	A3				В								C = A1 x B							D = A2 x E
Under   Property   P							2046				O-d C - C -	lan Tour			2017.5				olas Terr			2010 5		
Compare Associate Control (1987)   Compare Associ			Oraer	volume For	ecast *					ige or Sales (	Ji der Per Ord	iei Type					Sale Order fra	insactions by Oi	uer rype					ales Order
Control Cont	Line No.	Order Type	2017	2010	2010	<b>Total Sales</b>				Timed		Seismic	Seismic				Timed	Non-Seismic	Seismic	Seismic				Timed
Compare forcement (Section Compared C			2017	2016	2013	Order				Appt		Restores	Services				Appt	Restores	Restores	Services				Appt
Control of Account Control   Contr	1	Change of Account - Turn On (Not Entered)	43,217	15,895	5,893	0.0%				0.0%		0.0%	0.0%		- 0		5.7	-	0.8	-			-	2.
Constitutions - International Profit (a)   2008   2008   2008   2009		Change of Account - Close (Soft)	307,112	309,396	311,853	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		-	-	-	-	-	-		-	-	-
Constitution Closed   Constitution														-	-	-		-	-	-	-	-	-	-
Control   Cont																		1		-	-		-	-
Constitution Clote																		-			<del>-</del>	-		-
10   CO - 10															-	-			-		-	-	-	
CO   No. Ga   18,000   18,000   18,000   18,000   18,000   10,000   18,000   10,00	8	CSO - CSO	200,549	202,040	203,645	5.9%	0.0%	4.6%	0.4%	0.6%	0.0%	0.3%	0.0%	13.9	9,236.1	870.7	1,117.3	33.9	587.2	9.2	14.0	9,304.7	877.2	1,125.
13   CSO - Sessional OFF   1,579   3,586   3,892   1,095   1																-	-	-	-	-	-		-	
32   COL Second Col.																			4,531.5	20.2	1.4		2./	4.
13   Gis Leaf- COLORAN   1,000   1,0																				-			-	461.
15   Gos Leaf - Leaf Novellegenic (Dept)   13,38   13,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   10,47   13,28   1														250.4		2.9			817.2	15.7	252.3		2.9	5.
Foreign   The Company   The														6.0		-		-			6.0		-	-
75   Fundament Clear   1,000														-							-		-	-
181   Hills - February   High -																					6.9		-	63.
93																					2.3			3.
Meter Work (Capital) - Meter Sets (-180 FM)   2,500   3,199   3,382   0.0%	19	HBI - Not Entered	6,740		6,844			0.0%		0.0%			0.0%		2.2	-			-	-			-	2.
22 Meter Work (Coldal) - Meter Seet - Turn On																		-	-	-	1.8		-	5.
All   Meter Work (ORA)   Meter Rest - Furn On   990   997   996   13%   13%   13%   13%   0.0%   0														-	1.2			-	-	-	-	1.4	-	
24 Meter Work (D&M) - Meter Pased - Left Off 1														1.3	16.6		-	-			1.3	16.7	-	
Meter Work (D&M) - Meter Change (Not Entered Dange (Not Entered Dang																-	1.4	-	-	-	-		-	1.
Meter Work (OSM) - Meter Change (Size)   6,007   6,074   6,075   3.7%   0.0%														-	112.7				-	-	-	257.6	-	1.
Meter Work (DAM) - Meter Remove   7,747   7,804   7,865   0.0%														-	-	-			0.9	-	-	- 240.7	-	19.
NoPey Turn On - Turn On   105,187   103,187														- 1.3	209.2	-	9.0	-	-	1.3	- 1.3	- 210.7	-	9.
31 Read/Nerfy - Verify - Soft Close - 180 Os 31,500 31,734 31,986 22 Read/Nerfy - Verify - Soft Close - 180 Os 91 18,741 8,1851 18,757 9 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.		NonPay Turn On - Turn On												39.5	2,493.2		232.9	-	-	-	38.7	2,445.8	-	228.
32 Read/Verify - Verify - Soft Close - 180 Days 33 Read/Verify - Verify - Soft Close - 180 Days 34 TurnOn/ShutOff - Turn On (Intered) 35 TurnOn/ShutOff - Turn On (Intered) 36 TurnOn/ShutOff - Turn On (Intered) 37 TurnOn/ShutOff - Turn On (Intered) 38 TurnOn/ShutOff - Turn On (Intered) 38 TurnOn/ShutOff - Turn On (Intered) 39 Miscellaneous - Sevice Order (MSO)** 39 Miscellaneous - Sevice Order (MSO)** 49 Foot Industry - Turn On (Intered) 40 Miscellaneous - Sevice Order (MSO)** 41 Miscellaneous - Sevice Order (MSO)** 42 Foot Industry - Turn On (Intered) 43 Foot Industry - Soft Close - 12 Soft - 12 Soft - 12 Soft - 14															9.1	-	-	-	2.6	-	1.3	9.2	-	-
33 Read/Verliy-Load Survey-Res   6,102 6,147 6,196   1.0% 0.0% 0.9% 0.0% 0.9% 0.0% 0.0% 0.0%   - 4,62   - 1,54     - 4,65   - 1,11																				-			-	-
34   Turnon/Shufff-Turn on (Intered)   90,639   91,312   92,038   46%   0.0%   3.4%   0.0%				-7-																	H :		-	15.
35   TumOn/ShutOff - Tum On Easter																			4.1	-	1.4		-	1,076
37 TurnOn/ShutOff - Tuno n (PS)   1,509 1,520 1,532   1,1% 0,0% 0,2% 0,0% 0,0% 0,0% 0,0% 0,0% 0,0	35	TurnOn/ShutOff - Turn On Entered (Gas On)	18,701	18,840	18,989	6.7%	0.0%	6.4%	0.0%	0.3%	0.0%	0.1%	0.0%	-	1,192.4		57.7	-	10.7	-	-	1,201.2	-	58
38																					-		-	13
39   Miscellaneous - Service Order (MSO)**   50.711   51,088   51,494   10.6%   0.0%																					1		-	- 11
40 Miscellaneous - Meter & Reg (MMR) ** 41 Miscellaneous - Assist 42 E 5600 J 25811 26,016 43 Food Industry - Turn On (Entered) 44 Food Industry - CSO Leak 45 Food Industry - CSO Leak 46 Commercial/Industrial - ISO 47 Commercial/Industrial - CSO 48 Commercial/Industrial - CSO 48 Commercial/Industrial - CSO 49 Commercial/Industrial - CSO 40 Commercial/Industrial - CSO 41 Commercial/Industrial - CSO 42 S Food Industry - CSO Leak 43 Food Industry - CSO Leak 44 Food Industry - CSO Leak 45 Commercial/Industrial - ISO 46 Commercial/Industrial - Load Survey - VC 47 Commercial/Industrial - CSO 48 Commercial/Industrial - CSO 48 Commercial/Industrial - CSO 49 Commercial/Industrial - CSO 40 Commercial/Industrial - CSO 40 Commercial/Industrial - CSO 41 S Food Industry - CSO Leak 42 S Food Industry - CSO Leak 43 Commercial/Industrial - CSO 45 Commercial/Industrial - CSO 46 Commercial/Industrial - CSO 47 Commercial/Industrial - CSO 48 Commercial/Industrial - CSO 49 Cust/Comp Work - Other 49 Cust/Comp Work - Other 40 Cust/Comp Work - Other 41 Cust/Comp Work - Other 42 S Food Industry - CSO Leak 43 Custrial - CSO 44 Custrial - CSO 45 Custrial - CSO 45 Custrial - CSO 46 Custrial - CSO 46 Custrial - CSO 47 Custrial - CSO 48 Custri																-				2.4			-	
42 Food Industry - Turn On (Entered) 43 Food Industry - CSO 44 Food Industry - CSO 45 Food Industry - CSO 46 Food Industry - CSO Leak 47 Food Industrial - Load Survey - VC 48 Commercial/Industrial - Load Survey - VC 49 Commercial/Industrial - CSO 49 Commercial/Industrial - CSO 40 Commercial/Industrial - CSO 41 Commercial/Industrial - Turn On (Entered) 49 Cust/Comp Work - Other  **Order Volume Forecast - Refer to the workpaper of Gwen Marelli, Exhibit SCG-18-WP  **MSO & MMR volume do not match the order volume in Exhibit SCG-18-WP  **MSO & MMR volume do not match the order volume in Exhibit SCG-18-WP and is slightly higher. If this volume was corrected, the annual revenue forecast would be \$1,000 less for the Commercial  **Parts Program and \$4,000 less for the Residential Parts Program.  **Toda Industrial - CSO 4,575		Miscellaneous - Meter & Reg (MMR) **																			5.0		-	1.
43 Food Industry - CSO Leak 4 Food Industry - CSO Leak 5 Food Industry - CSO Leak 5 Food Industry - CSO Leak 6 Food Industry - CSO Leak 6 Food Industry - CSO Leak 7 Food Industrial - ISO 1 Food Industrial - Iso Industria																		-					-	-
44 Food Industry - CSO Leak 4 Food Industry - CS																-							-	5 28
45 Commercial/Industrial - ISO 46 Commercial/Industrial - Load Survey- V/C 47 Commercial/Industrial - SO 33,505 33,754 34,827 4,624 33,505 33,754 34,822 33,732 33,734 34,022 48 Commercial/Industrial - Turn On (Entered) 49 Cust/Comp Work - Other  **Order Volume Forecast - Refer to the workpaper of Gwen Marelli, Exhibit SCG-18-WP  ***MSO & MMR volume do not match the order volume in Exhibit-SCG-18-WP and is slightly higher. If this volume was corrected, the annual revenue forecast would be \$1,000 less for the Commercial  **Parts Program and \$4,000 less for the Residential Parts Program.  ***Industrial - Iso 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%								0.070								-					,		-	1.
46 Commercial/Industrial - Load Survey-VC   4,554   4,587   4,624   33,505   33,754   34,022   33,254   34,022   33,254   34,022   33,254   34,022   31,243   34,022																							-	2
48 Commercial/Industrial - Turn On (Entered) 49 Cust/Comp Work - Other 586 591 595 586 591 595 0.2% 0.0% 0.2% 0.0% 0.0% 0.0% 0.0% 0.0%		Commercial/Industrial - Load Survey- I/C		4,587	4,624											-			-	-	1.3	-	-	1.
49 Cust/Comp Work - Other 586 591 595 0.2% 0.0% 0.2% 0.0% 0.0% 0.0% 0.0% 0.0%																84.9							85.6	118.
*Order Volume Forecast - Refer to the workpaper of Gwen Marelli, Exhibit SCG-18-WP  **MSO & MMR volume do not match the order volume in Exhibit-SCG-18-WP and is slightly higher. If this volume was corrected, the annual revenue forecast would be \$1,000 less for the Commercial  Parts Program and \$4,000 less for the Residential Parts Program.																-	227.1	1.1	18.3		39.1		-	228
**MSO & MMR volume do not match the order volume in Exhibit-SCG-18-WP and is slightly higher. If this volume was corrected, the annual revenue forecast would be \$1,000 less for the Commercial  Parts Program and \$4,000 less for the Residential Parts Program.	3	cosy comp work - other	500	331	333	J.270	0.070	5.270	5.070	5.070	5.070	5.076	5.570		1.2	-	_		-			1.2	_	
**MSO & MMR volume do not match the order volume in Exhibit-SCG-18-WP and is slightly higher. If this volume was corrected, the annual revenue forecast would be \$1,000 less for the Commercial  Parts Program and \$4,000 less for the Residential Parts Program.		*Order Volume Forecast - Refer to the workpaper of G	wen Marelli, I	Exhibit SCG-	18-WP																			
Parts Program and \$4,000 less for the Residential Parts Program .						higher. If this	volume was o	orrected, the	annual revenue	e forecast w	ould be \$1.00	0 less for the 0	L Commercial							<del>                                     </del>				
SCG/Ex. No: SCG-41-WP-2R /Witness: Annette M. Steffen								,			+ =, 50			-						<del>                                     </del>	-			
SCG/Ex. No: SCG-41-WP-2R /Witness: Annette M. Steffen																								
										SCG/Ex. N	lo: SCG-41-W	P-2R /Witnes:	: Annette M.	Steffen										

TAB 1B																		-				
											-											
											-											
																		-				
							E = A3 x B						F									G = C x F
	nsactions by Or	der Type			2019 Fore	ecast - No. of Sa	ales Order Tr	ansactions by C	order Type		2016	Average Rev	enue \$ Per Sal	es Order Trans	action						2017	Estimated Re
Line No.	Non-Seismic	Seismic	Seismic	Commercial	Residental	Connect	Timed	Non-Seismic	Seismic	Seismic		Commercial		Connect	Timed	Non-Seismic	Seismic	Seismic	Commercial	Residental	Connect	Timed
	Restores	Restores	Services	Parts Program	Parts Program	Appliance Program	Appt	Restores	Restores	Services	Description	Parts Program	Parts Program	Appliance Program	Appt	Restores	Restores	Services	Parts Program	Parts Program	Appliance Program	Appt
2	-	0.3	-	0.2 1.3		-	0.8		0.1	-	2016 Total Sales Amount Collected 2016 Total Sales Order Transactions	\$ 3,535,313 15,297	\$ 2,538,728 34,789	\$ 87,375 772	\$ 86,700 3,249		\$ 444,023 5,545	\$ 5,789 48	\$ 378 \$ 290		\$ - \$ -	\$ 153
3	-	-	-	-	-	-	-	-	-	-	2016 Average Revenue \$ Per Sales Order Transaction									\$ -	\$ -	\$ -
5	-	-	-	-	-	-	-	-	-	-									\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ -
6	-	÷	-	-	-	-	÷	-	-	-									\$ -	\$ -	\$ -	\$ -
7 8	34.2	591.5	9.3	14.1	9,378.6	884.2	1,134.6	34.4	596.2	9.4									\$ 3,206	\$ - \$ 674,003	\$ - \$ 98,551	\$ 29,816
9 10	142.1	- 4,565.2	20.3	1.4	129.1 238.7		4.1	143.2	4,601.4	20.5									\$ - \$ 310	\$ 9,277	\$ - \$ 304	\$ - \$ 108
11	- 142.1	4,303.2	-	- 1.4	25.0	-	4.2		4,001.4	- 20.5									\$ -	\$ 1,798	\$ -	\$ 110
12	14.4	- 823.3	15.9	254.3	1,341.9 12,561.7		465.3 5.8	14.5	829.8	16.0									\$ - \$ 57,881	\$ 96,436 \$ 902,752	\$ - \$ 324	\$ 12,227 \$ 153
14	-	19.7	-	6.1	347.5	-	-	-	19.8	-									\$ 1,387	\$ 24,972	\$ -	\$ -
15 16	1.5	29.1 1.4	1.4	6.9	861.5 2,880.3		63.9	1.5	29.4 1.4	1.4	-									\$ 61,915 \$ 206,993	\$ - \$ -	\$ -
17 18	-	-	-	2.3	4.1 116.3		- 3.5	-	-										\$ - \$ 530	\$ 294 \$ 8,360	\$ - \$ -	\$ - \$ 92
19	-	-		-	2.3	-	2.3	-	-	-									\$ -	\$ 163	\$ -	\$ 60
20 21	-	-	-	1.9	100.6 1.6		5.7	-	-	-	-							-	\$ 340 \$ -	\$ 5,687 \$ 88		\$ 118 \$ -
22	-	-	-	-	-	-	v	-	-	-									Ÿ	\$ -	\$ -	\$ -
23 24	-	-	-	1.3	16.9 1.4		1.4	-	-	-									\$ 296 \$ -	\$ 1,213 \$ 103		\$ - \$ 38
25 26	3.5	2.1	-	-	195.6	-	1.3 14.4		1.6	-									7	\$ 8,224 \$ -	\$ - \$ -	\$ 20 \$ 222
27	-	-	-	1.3		-	9.2		-	-									\$ 298		\$ -	\$ 241
28 29	-	-	1.3	37.9	2,394.8	-	223.7	-	-	1.3	-							-	\$ -	\$ - \$ 181,944	\$ - \$ -	\$ - \$ 6,214
30 31		2.6	-	1.3	9.2		-	-	2.6	-									\$ 301		\$ -	\$ -
32	-	-	-	-	-	-		-	-	-									\$ -	\$ -	\$ - \$ -	\$ -
33 34	2.8	4.2	-	1.4	46.9 3,157.9		15.6 1,084.8	2.8	4.2	-									\$ - \$ 319	\$ 3,368 \$ 226,947	\$ - \$ -	\$ 411 \$ 28,509
35	-	10.8	-	-	1,210.8	-	58.6	-	10.9	-	-								\$ -	\$ 87,014	\$ -	\$ 1,541
36 37	9.5	170.2 2.8	-	-	1,619.4 2.8		13.4 11.2		171.5 2.8	-									\$ - \$ -	\$ 116,379 \$ 202	\$ - \$ -	\$ 353 \$ 295
38	- 4.2	-	-	- 14.9	8.1	-	-	-	-	- 25									\$ -	\$ 585	\$ -	\$ -
39 40	1.2	8.6 1.2	2.4 6.2	14.8 5.0	164.7	-	1.2	1.2	8.6 1.2										\$ 3,364 \$ 1,136	\$ 11,838	\$ - \$ -	\$ - \$ 33
41 42	-	1.4 2.7	-	93.9 206.6	98.1 1.3		- 5.4	-	1.4 2.7	-									\$ 21,380 \$ 47,027	\$ 7,049 \$ 96	\$ - \$ -	\$ - \$ 141
43	8.1	59.5	2.7	13,978.2	25.9	-	28.6	8.2	59.9	2.7									\$ 3,181,402	\$ 1,860	\$ -	\$ 752
44 45	-	8.2 10.6	-	2,005.3 304.5			1.4 2.7		8.3 10.6										\$ 456,406 \$ 69,303	\$ 478	\$ -	\$ 36 \$ 70
46 47	- 45	84.4	-	1.3 485.7	-	-	1.3 119.1	-		-									\$ 289		\$ -	\$ 33
48	4.5 1.1	84.4 18.4	-	485.7 39.4	913.3	-	119.1 230.6			-									\$ 8,969	\$ 65,636	\$ -	\$ 6,061
49	-	-	-	-	1.2	-	-	-	-	-									\$ -	\$ 89	\$ -	\$ -
				-															\$ 3,976,048	\$ 2,847,720	\$ 108,791	\$ 92,616
																						Estimated Re
																			Commercial		Connect	Timed
											SCG/Ex. No: SCG-41-WP-2R /Witness: Annette M. Steffen								Parts Program	Parts Program	Appliance Program	Appt

TAB 1B												$\pm$	_					
							H = D x F						_		I = E x F			
	enue					2018	Estimated Rev	venue						TY 201	9 Estimated Re	evenue		
Line No.	Non-Seismic	Seismic	Seismic	Commercial	Residental	Connect	Timed	Non-Seismic	Seismic	Seismic	Commerc		tal	Connect	Timed	Non-Seismic	Seismic	Seismic
	Restores	Restores	Services	Parts Program	Parts Program	Appliance Program	Appt	Restores	Restores	Services	Parts Program	Parts Progra	n	Appliance Program	Appt	Restores	Restores	Services
2	\$ - \$ -	\$ 66	\$ -	\$ 139 \$ 292	\$ 264	\$ - \$ -	\$ 56 \$ -	\$ - \$ -	\$ 24	\$ - \$ -		52 \$ 94 \$	98	\$ - \$ -	\$ 21 \$ -	\$ - \$ -	\$ 9 \$ -	\$ - \$ -
3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	_	\$ -	\$ -	\$ -	\$ -	\$ -
5	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ -	\$		\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ -
7	\$ - \$ -	\$ - \$ -	\$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ -	\$	_	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ -
8	\$ 3,014	\$ 47,019	\$ 1,115	\$ 3,229	\$ 679,013	\$ 99,284	\$ 30,038	\$ 3,037	\$ 47,368	\$ 1,124	\$ 3,2				\$ 30,276	\$ 3,061	\$ 47,745	\$ 1,132
10	\$ - \$ 12,541	\$ - \$ 362,865	\$ 2,431	\$ 313		\$ 306	\$ -		\$ 365,563		\$ 3	15 \$ 17,	422	\$ -		\$ - \$ 12,734	\$ 368,466	\$ -
11 12	\$ -	\$ - \$ -	\$ -	\$ -	\$ 1,811 \$ 97,153	\$ -	\$ 110 \$ 12,318		\$ -	\$ -	\$ -			\$ - \$ -	\$ 111 \$ 12,416	\$ -	\$ -	\$ -
13 14	\$ 1,272 \$ -	\$ 65,436 \$ 1,562	\$ 1,899 \$ -	\$ 58,312 \$ 1,398	\$ 909,464 \$ 25,157	\$ 326 \$ -	\$ 154 \$ -	\$ 1,282 \$ -	\$ 65,923 \$ 1,574	\$ 1,913 \$ -	\$ 58,7 \$ 1,4			\$ 329 \$ -	\$ 155 \$ -	\$ 1,292 \$ -	\$ 66,447 \$ 1,586	\$ 1,928 \$ -
15	\$ 128	\$ 2,315	\$ -	\$ -	\$ 62,375	\$ -	\$ -	\$ 129	\$ 2,332	\$ -	\$ -	\$ 62,	870	\$ -	\$ -	\$ 130	\$ 2,351	\$ -
16 17	\$ - \$ -	\$ 110 \$ -	\$ 165 \$ -	\$ 1,593	\$ 208,532 \$ 296	\$ - \$ -	\$ 1,692 \$ -	\$ -	\$ 110 \$ -	\$ 166 \$ -	\$ 1,6		189 299	\$ - \$ -	\$ 1,706 \$ -	\$ - \$ -	\$ 111 \$ -	\$ 168 \$ -
18 19	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 533 \$ -	\$ 8,422 \$ 164	\$ - \$ -	\$ 92 \$ 60		\$ - \$ -	\$ - \$ -	\$ 5 \$ -		489 165	\$ - \$ -	\$ 93 \$ 61	\$ - \$ -	\$ - \$ -	\$ - \$ -
20	\$ -	\$ -	\$ -	\$ 410	\$ 6,856	\$ - \$ -	\$ 142	\$ -	\$ - \$ -	\$ -		39 \$ 7,	342	\$ - \$ -	\$ 152	\$ - \$ -	\$ -	\$ - \$ -
21 22	\$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 106 \$ -	\$ -	\$ - \$ -	\$ -	\$ -	\$ -	\$ - \$ -	\$	-	\$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ -
23 24	\$ -	\$ - \$ -	\$ - \$ -	\$ 298	\$ 1,222 \$ 104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3		_	\$ - \$ -	\$ -	\$ -	\$ - \$ -	\$ -
25 26	\$ 135 \$ -	\$ - \$ 74	\$ - \$ -	\$ - \$ -	\$ 18,801 \$ -	\$ - \$ -	\$ 46 \$ 507		\$ - \$ 169	\$ - \$ -	\$ - \$ -	\$ 14, \$		\$ - \$ -	\$ 35 \$ 385	\$ 235 \$ -	\$ - \$ 128	\$ - \$ -
27	\$ -	\$ -	\$ -	\$ 301	\$ 15,377	\$ -	\$ 243	\$ -	\$ -	\$ -	7	3 \$ 15,		\$ -	\$ 245	\$ -	\$ -	\$ -
28 29	\$ - \$ -	\$ - \$ -	\$ 159 \$ -	\$ 8,949	\$ - \$ 178,484	\$ -	\$ - \$ 6,096	\$ - \$ -	\$ -	\$ 160 \$ -	\$ 8,7			\$ - \$ -	\$ - \$ 5,969	\$ - \$ -	\$ - \$ -	\$ 162 \$ -
30 31	\$ - \$ -	\$ 208 \$ -	\$ - \$ -	\$ 303	\$ 669 \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 210 \$ -	\$ - \$ -	\$ 3	)5 \$ .s	675	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ 211 \$ -	\$ - \$ -
32 33	\$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ -	\$ - \$ 414	\$ -	\$ - \$ -	\$ -	\$ -	\$ 3.	_	\$ - \$ -	\$ -	\$ -	\$ - \$ -	\$ -
34	\$ 245	\$ 331	\$ -	\$ 321	\$ 228,634	\$ -	\$ 28,721	\$ 247	\$ 334	\$ -	\$ 3	24 \$ 230,	450	\$ -	\$ 28,949	\$ 249	\$ 336	\$ -
35 36	\$ -	\$ 860 \$ 13,526	\$ - \$ -	\$ - \$ -	\$ 87,661 \$ 117,244	\$ - \$ -	\$ 1,552 \$ 355		\$ 867 \$ 13,627		\$ - \$ -	\$ 88, \$ 118,	_	\$ - \$ -	\$ 1,565 \$ 358	\$ -	\$ 873 \$ 13,735	\$ -
37 38	\$ - \$ -	\$ 221 \$ -	\$ - \$ -	\$ - \$ -	\$ 203 \$ 590	\$ - \$ -	\$ 297 \$ -	\$ - \$ -	\$ 223 \$ -	\$ - \$ -	\$ - \$ -			\$ - \$ -	\$ 300 \$ -	\$ - \$ -	\$ 225 \$ -	\$ - \$ -
39	\$ 108	\$ 680	\$ 293	\$ 3,389	\$ 19,438	\$ -	\$ -	\$ 109	\$ 685	\$ 295	\$ 3,4	16 \$ 19,	592	\$ -	\$ -	\$ 109	\$ 690	\$ 297
40 41	\$ -	\$ 98 \$ 109	\$ 741 \$ -	\$ 1,145 \$ 21,539	\$ 11,926 \$ 7,101	\$ - \$ -	\$ 33	\$ -	\$ 99 \$ 110	\$ 747 \$ -	\$ 1,1 \$ 21,7	10 \$ 7,	158	\$ - \$ -	\$ 33	\$ - \$ -	\$ 100 \$ 111	\$ 753
42 43	\$ - \$ 716	\$ 212 \$ 4,727	\$ - \$ 324	\$ 47,376 \$ 3,205,054	\$ 97 \$ 1,874	\$ - \$ -	\$ 142 \$ 757	\$ - \$ 721	\$ 213 \$ 4,762	\$ - \$ 326	\$ 47,7		98 889	\$ - \$ -	\$ 143 \$ 763	\$ - \$ 727	\$ 215 \$ 4,800	\$ -
44	\$ -	\$ 652	\$ -	\$ 459,799	\$ 798	\$ -	\$ 36 \$ 70	\$ -	\$ 657	\$ -	\$ 463,4	51 \$	804	\$ -	\$ 37	\$ -	\$ 662	\$ -
45			\$ -	\$ 69,818	\$ -		\$ 34	\$ -	\$ 845	\$ -	\$ 2	93 \$	485	\$ -	\$ 71			\$ -
47 48	\$ 397 \$ 101			\$ 111,355 \$ 9,036			\$ 3,154 \$ 6,106						429 649		\$ 3,179 \$ 6,155			
49	\$ -	\$ -	\$ -	\$ -	\$ 89	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	90	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 19,497	\$ 510,084	\$ 7,126	\$ 4,005,191	\$ 2,875,281	\$ 109,600	\$ 93,375	\$ 19,815	\$ 513,929	\$ 7,179	\$ 4,036,6	\$4 \$ 2,888,	573	\$ 110,470	\$ 93,776	\$ 19,896	\$ 517,953	\$ 7,236
	enue						Estimated Rev	venue							9 Estimated Ro	evenue		
	Non-Seismic Restores	Seismic Restores	Seismic Services	Parts Program	Residental Parts	Connect Appliance	Timed SAPBIEx. N	Non-Seismic	Seismic	Seismic Anneste Vicesteff	Commerc Parts	Parts		Appliance Program	Timed Appt	Non-Seismic Restores	Seismic Restores	Seismic Services
				Program	Program	Program		Pag	c 14 of 45	M. Otoli	n Program	Progra	11	Program				

					13.7			
		SOUTHERN CAL MISCELLA	LIFORNIA G NEOUS RE		IY			
		TAB 5: FERC ACCOUNT 488 COM			GRAM FORE	CAST		
A. Ad	ccount [	Description: # 5 Commercial Parts Program						
	homes,	mmercial Parts Program provides parts replacement sanitariums, schools, churches, and in-plant food publications, ovens, braising pans, deep fat fryers, pressustomers include thermostats, connectors, and continuous	oreparation fa sure fryers, s	acilities. The	se appliances i	nclude dishv	vashers, broil	ers, griddles,
							1	1
B. Fo	orecast l	Methodology						
	method	tomer services field forecasted orders, multiplied by ology aligns with the activity forecast presented in the Tab 4b for the detailed calculations.						
			2012	2013	2014	2015	2016	
		Rev From Comm Parts Sales	2,804	2,840	2,988	3,431	3,535	
				2017	2018	2019		
		Forecast Growth Rate						
		FORECAST = refer to Forecast Methodology above.		3,976	4,005	4,037		
C. Sı	ummary	of Results						
					Total			
	Line	Miscellaneous Revenues			(\$000)			
	1.	2016 Actual			3,535			
	2.	2017 Estimated			3,976			
	3.	2018 Estimated			4,005			
	4.	2019 Test Year SCG/Ex. No: SCG-41-W	P-2R /Witne	ss: Annette M	1. Steffen 4.037			
	<u> </u>	D	age 15 of 45		.,		1	1

	SC	OUTHERN CALIF	ORNIA GAS COMF	PANY			
		MISCELLANE	OUS REVENUES				
	TAB 5A: FERO	C ACCOUNT 488	<b>COMMERCIAL PA</b>	RTS PROGRAM	Λ		
GL Accou	nt 4330005						
	2012	2013	2014	2015	2016		
Jan	253,331	248,937	257,439	268,459	279,884		
Feb	247,448	247,176	237,989	278,559	289,567		
Mar	254,120	225,954	231,349	284,926	291,616		
Apr	234,247	238,670	243,979	275,788	314,993		
May	228,055	223,239	239,745	314,519	308,786		
Jun	220,279	232,476	232,166	278,892	297,843		
Jul	231,795	226,823	251,983	277,794	285,461		
Aug	222,997	225,395	256,683	270,050	275,077		
Sep	229,133	238,983	262,516	299,364	290,532		
Oct	226,729	242,143	241,503	301,896	308,866		
Nov	240,985	263,844	289,320	316,698	279,871		
Dec	215,269	226,100	243,250	263,768	312,816		
Total	2,804,390	2,839,741	2,987,922	3,430,713	3,535,313		

r							
	SOUTHERN CAI			IY			
	TAB 6: FERC ACCOUNT 488 CON	NEOUS RE		CDAM FORE	CAST		
	TAB 6: FERC ACCOUNT 466 CON	INECT APP	 	GRAW FURE	CASI		
A. Accoun	t Description: # 6 Connect Appliance Program						
range	ect Appliance Program provides upon customer reques, dryers, and barbecues pursuant to SoCalGas Tarifectors.						
B. Forecas	t Methodology						
the cometh	2019 forecast is based on the 2016 average transaction ustomer services field forecasted orders, multiplied by odology aligns with the activity forecast presented in the Tab 4b for the detailed calculations.	/ the 2016 av	verage revenu	ie per sales or	der transacti	on. This fore	cast
		<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	
	Revs From Appl Connection Svc	99	79	76	78	87	
			2017	<u>2018</u>	2019		
	Forecast Growth Rate						
	FORECAST = refer to Forecast Methodology above.		109	110	110		
C. Summa	ry of Results						
Line	e Miscellaneous Revenues			Total			
Lin	wiscenarieous Revenues			(\$000)			
1.	2016 Actual			87			
2.	2017 Estimated			109			
3.	2018 Estimated			110			
4.	SCG/Ex. No: SCG-41-W	P-2R /Witne		1. Steffen 110			

	SO	UTHERN CALIF	ORNIA GAS CO	MPANY	
		MISCELLAN	<b>EOUS REVENUE</b>	S	
	TAB 6A: FERC	ACCOUNT 488	CONNECT APP	LIANCE PROGR	AM
	2012	2013	2014	2015	2016
Jan	7299.00	5916.00	6117.00	7758.00	5045.00
Feb	9953.00	9050.00	4457.00	6721.00	4835.00
Mar	7527.00	9427.00	7026.82	5548.00	5445.00
Apr	7496.00	7665.00	5683.00	7506.00	6314.00
May	8429.00	6993.00	6395.00	7811.00	7880.00
Jun	8281.00	7174.00	6777.00	6330.00	7874.00
Jul	9023.00	7072.00	5698.00	6836.00	8741.00
Aug	9517.00	7586.00	5747.00	7726.00	9,543
Sep	9996.00	5846.00	9184.00	7348.00	10,424
Oct	8671.00	3359.00	5575.00	5324.00	6,671
Nov	5190.00	3672.00	7430.00	5117.00	6,947
Dec	7138.00	5180.00	6047.00	4080.00	7,656
Total	98,520	78,940	76,137	78,105	87,375

		SOUTHERN CAL	LIFORNIA GA	S COMPAN	Υ			
			ANEOUS REV					
		TAB 7: FERC ACCOUNT 488 NATUR	AL GAS VEH	ICLE MAIN	TENANCE FO	RECAST		<del></del>
								_
Δ	Account I	Description: # 7 Natural Gas Vehicle (NGV) Mainto	enance					
	Account	rescription: # 7 Natural Gas Vernicle (NGV) manie	Citation					+
	SoCalC	□ Gas receives revenues for providing maintenance sei	rvices at custo	mer owned	NGV facilities.			
		Mash a data wa						
В.	Forecast	Methodology						_
	The 20	16 forecast reflects the five-year average booked rev	venue (2009-2	2013).				
			<u>2012</u>	2013	2014	2015	2016	5 YR AVG
		Rev from Cust Owned NGV Station Maint	87	91	84	101	131	99
				2014	2015	2016		
		Forecast Growth Rate		0.00%	0.00%	0.00%		
		FORFOACT - F.V A O		00	00	00		
		FORECAST = 5 Year Avg x Growth Rate		99	99	99		
C.	. Summary	of Results						
					Total			
	Line	Miscellaneous Revenues	<del>                                     </del>		Total (\$000)			_
	1.	2013 Actual			131			
	2.	2014 Estimated			99			
	3.	2015 Estimated			99			
	4.	2016 Test Year			99			

		SOUTHERN CALI	FORNIA GAS CO	MPANY	
		MISCELLAN	IEOUS REVENUE	S	
	TAB 7A: FERC	ACCOUNT 488 N	ATURAL GAS VEH	HICLE MAINTENA	NCE
	2012	2013	2014	2015	2016
Jan	(5,015.26)	(7,294.94)	-4300.00	-18321.10	0.00
Feb	(5,203.35)	(4,756.90)	-6054.67	-6508.49	-9079.06
Mar	(8,789.57)	(9,431.88)	-4300.00	-4300.00	-18935.16
Apr	(5,164.64)	(2,447.45)	-7993.65	-10097.75	-9632.60
May	(12,261.01)	(2,775.38)	-14252.02	-11122.60	-25748.74
Jun	(16,778.77)	(3,591.81)	-17128.84	-8810.40	-4300.00
Jul	(1,225.93)	-	-4300.00	-10807.51	-4300.00
Aug	(8,753.16)	(1,201.95)	-6845.48	-4300.00	-10203.03
Sep	-	(36,023.47)	-4300.00	-5948.96	-5679.20
Oct	(10,422.07)	(5,393.29)	-4300.00	-6203.43	-3850.00
Nov	(7,009.72)	(4,300.00)	-6072.93	-5819.84	-35456.69
Dec	(6,212.40)	(13,888.19)	-4300.00	-8274.82	-3850.00
Total	(86,835.88)	(91,105.26)	(84,147.59)	(100,514.90)	(131,034.48)

		SOUTHERN CAI	LIFORNIA G	AS COMPAN	Y			
		MISCELLA	NEOUS RE	VENUES				
		TAB 8: FERC ACCOUNT 4	88 PIPELINE	SERVICES	FORECAST			
A. Ac	count D	Pescription: # 8 Pipeline Services						
								1
		e services revenues are received for providing install	lation and ma	intenance of	gas facilities p	rimarily for co	ommercial cu	stomers,
	school	districts, cities, and counties.			1		T	1
R FA	rocast !	 Methodology						
Б. ГО	Tecasii	Wethodology						
	Unknov	□ vn future work requirements and excess capacity for	· Pineline Ser	Vices work fo	l recasting has	heen set to F	vr average	
	OTIKITOV	The rate of the requirements and excess supports for	i ipeline cel	Vioco Work, ic	Todasting nas	DOCTI SCI TO C	yr average.	
			2012	2013	2014	2015	2016	5 YR AVG
		Pipeline Services Revenue	13	80	76	<u>=515</u>	78	60
		, , , , , , , , , , , , , , , , , , ,	-		-	-	-	
				2017	2018	2019		
		Forecast Growth Rate		0.00%	0.00%	0.00%		
		FORECAST =		60	60	60		
_								
C. Su	ımmary	of Results						
					· ·			
	1 2	Missallansaus December			Total			
	Line	Miscellaneous Revenues			(\$000)			
	1. 2.	2016 Actual 2017 Estimated			78 60			
	2. 3.	2017 Estimated 2018 Estimated			60			
	3. 4.	2019 Test Year			60			
	4.	AUID ICOL ICAI			00			

		SOUTHERN CAL	IFORNIA G	AS COMPAN	Y			
			NEOUS RE					
		TAB 9: FERC ACCOUNT 488 LATE PAYN	IENT CHAR	GES (NON-R	ESIDENTIAL)	FORECAST	•	<b>.</b>
A. A	Account D	Description: # 9 Late Payment Charges						
								<u> </u>
		alGas' Commission-authorized Tariff Rule 12, Rende tial customers. The monthly charge is equal to 1/12 o s.						
B. F	orecast I	Methodology						
	The 20	19 forecast reflects the five-year average booked rev	venue (2012-	2016).				T
			2010	0040	0044	0045	0040	5 VD 4 VO
		Dov. From Late Brot Chris. Actival	<b>2012</b> 460	<b>2013</b> 479	<u>2014</u> 584	<b>2015</b> 572	<u>2016</u>	5 YR AVG
		Rev From Late Pmt Chrg Actual	460	479	584	5/2	510	521
				2017	2018	2019		
		Forecast Growth Rate		0.00%	0.00%	0.00%		
		1 orecast Growth Nate		0.0070	0.0070	0.0070		
		FORECAST = 5 Year Avg x Growth Rate		521	521	521		
		g a canalana			<u> </u>			
C. 8	Summary	of Results						
					Total			
	Line	Miscellaneous Revenues			(\$000)			
	1.	2016 Actual			510			
	2.	2017 Estimated			521			
	3.	2018 Estimated			521			
	4.	2019 Test Year			521			

2012 44,747 56,026 40,316 57,409 33,889 28,562 27,545 29,962	2013 32,635 60,489 52,833 39,552 40,248 46,036	S REVENUES	2015 44,787 73,217 65,292	2016 61,320 76,094		
2012 44,747 56,026 40,316 57,409 33,889 28,562 27,545 29,962	2013 32,635 60,489 52,833 39,552 40,248 46,036	2014 42,260 68,555 68,920 50,893	2015 44,787 73,217 65,292	2016 61,320 76,094		
2012 44,747 56,026 40,316 57,409 33,889 28,562 27,545 29,962	2013 32,635 60,489 52,833 39,552 40,248 46,036	2014 42,260 68,555 68,920 50,893	2015 44,787 73,217 65,292	2016 61,320 76,094		
44,747 56,026 40,316 57,409 33,889 28,562 27,545 29,962	32,635 60,489 52,833 39,552 40,248 46,036	42,260 68,555 68,920 50,893	44,787 73,217 65,292	61,320 76,094		
44,747 56,026 40,316 57,409 33,889 28,562 27,545 29,962	32,635 60,489 52,833 39,552 40,248 46,036	42,260 68,555 68,920 50,893	44,787 73,217 65,292	61,320 76,094		
44,747 56,026 40,316 57,409 33,889 28,562 27,545 29,962	32,635 60,489 52,833 39,552 40,248 46,036	42,260 68,555 68,920 50,893	44,787 73,217 65,292	61,320 76,094		
44,747 56,026 40,316 57,409 33,889 28,562 27,545 29,962	32,635 60,489 52,833 39,552 40,248 46,036	42,260 68,555 68,920 50,893	44,787 73,217 65,292	61,320 76,094		
56,026 40,316 57,409 33,889 28,562 27,545 29,962	60,489 52,833 39,552 40,248 46,036	68,555 68,920 50,893	73,217 65,292	76,094		
40,316 57,409 33,889 28,562 27,545 29,962	52,833 39,552 40,248 46,036	68,920 50,893	65,292			
57,409 33,889 28,562 27,545 29,962	39,552 40,248 46,036	50,893		EE OOE		
33,889 28,562 27,545 29,962	40,248 46,036		00.000	55,025		
28,562 27,545 29,962	46,036	57 465	63,900	49,062		
27,545 29,962		01, <del>1</del> 00	52,387	39,833		
29,962		46,495	49,643	34,950		
29,962	33,289	62,658	47,738	31,937		
	45,418	41,681	40,061	28,372		
45,284	38,072	40,912	35,992	35,641		
24,874	28,523	33,718	30,564	31,444		
42,570	35,948	38,942	31,562	32,467	<u> </u>	
28,332	25,706	31,167	36,433	34,254		
459,515	478,748	583,665	571,578	510,399		
	520 781					
	320,701	2014	2015	2016		
ear -						
coast		320,701	320,761	320,701		
ļ		ļ				
evenue varies fr	om those provided	in original docum	ent. The results sh	nown here reflect		
			ioni. The recalle on	iowii iioio ioiioot		
drie (not or orodi	ito a dobito recordo	111 1000001)				
	SCG/Ev	No: SCG-41-W	P-2R /Witness Ann	ette M. Steffen		
	000/11/			OLIG IVI. OLGITOTI		
	24,874 42,570 28,332 459,515 Vear - ecast	24,874 28,523 42,570 35,948 28,332 25,706 459,515 478,748  520,781  Year - ecast  evenue varies from those provided unt (net of credits & debits recorded)	24,874 28,523 33,718 42,570 35,948 38,942 28,332 25,706 31,167 459,515 478,748 583,665  520,781  evenue varies from those provided in original documunt (net of credits & debits recorded in 4330004)  SCG/Ex. No: SCG-41-WF	24,874 28,523 33,718 30,564 42,570 35,948 38,942 31,562 28,332 25,706 31,167 36,433 459,515 478,748 583,665 571,578	24,874	24,874 28,523 33,718 30,564 31,444 42,570 35,948 38,942 31,562 32,467 28,332 25,706 31,167 36,433 34,254 459,515 478,748 583,665 571,578 510,399 520,781 2014 2015 2016 (ear - 0.0% 0.0% 0.0% 0.0% east 520,781 520,78

### SOUTHERN CALIFORNIA GAS COMPANY MISCELLANEOUS REVENUES TAB 10: FERC ACCOUNT 488 OTHER CUSTOMER SERVICE REVENUES FORECAST A. Account Description: # 10 Other Customer Service Revenues Other Customer Service Revenues consist of miscellaneous programs, including timed appointments, seismic services, and non-seismic restore of gas services. B. Forecast Methodology Timed Appt, Seismic, Non-Seismic: The 2019 forecast is based on the 2016 average transaction percentage of sales orders per customer services field order, multiplied by the customer services field forecasted orders, multiplied by the 2016 average revenue per sales order transaction. This forecast methodology aligns with the activity forecast presented in the Customer Services - Field testimony of Gwen Marelli (Ex. SCG-18-R). Refer to Tab 4b for the detailed calculations. Revenue from Set Time Appt Svc Chrg -5 Rev Fr Airqual Prog Hndbk & Smnar Rev for Seismic Services Rev for Seismic Restores Rev for Non-Seismic Restores \*Excluding Customer **Forecast Growth Rate** Solutions (Air Quality) Revenue from Set Time Appt Svc Chrg Rev Fr Airqual Prog Hndbk & Smnar Rev for Seismic Services Rev for Seismic Restores Rev for Non-Seismic Restores Total C. Summary of Results Total Miscellaneous Revenues (\$000) Line 2016 Actual 2017 Estimated 3. 2018 Estimated SCG/Ex. No: SCG-41-WP-2R /Witness: Annette M. Steffen 639 2019 Test Year

## **SOUTHERN CALIFORNIA GAS COMPANY** MISCELLANEOUS REVENUES TAB 11: FERC ACCOUNT 493 RENT FROM GAS PROPERTY FORECAST A. Account Description: # 11 Rent from Property Used in Operations Rent from property used in operations is rent received by SoCalGas from outside parties for use of utility-owned properties. **B. Forecast Methodology** The 2016 forecast is based on the rents received from existing or known lease agreements adjusted for applicable escalations clauses. 2012 2013 2015 2016 2014 Goleta Lease Fees 57 63 59 58 58 203 227 225 Aliso Rental for Telecom Sites 246 219 Rents for Prop Use - Non-tariff Gas 219 287 323 374 188 479 596 601 659 471 **Forecast Growth Rate** 2018 2019 2017 2.52% Goleta Lease Fees 5.17% 3.93% Aliso Rental for Telecom Sites 2.75% 4.00% 3.56% -0.35% -9.35% 3.07% Rents for Prop Use - Non-tariff Gas Forecasts are based on existing or known lease agreements adjusted for applicable escalations clauses Goleta Lease Fees 61 63 65 Aliso Rental for Telecom Sites 234 240 249 Rents for Prop Use - Non-tariff Gas 187 169 175 473 482 489 C. Summary of Results Total Line Miscellaneous Revenues (\$000)2016 Actual 471 482 2. 2017 Estimated 2018 Estimated 473 SCG/EX. No: SCG-41-WP-2R (Witness: Annette IVI. Stetten 2019 Test Year 489

		SOUT	HERN CALIF	ORNIA GAS	COMPANY				
		I	MISCELLAN	<b>EOUS REVE</b>	NUES				
		TAB 11A:	FERC ACCC	OUT 493 REV	<b>ENUE LEAS</b>	ES			
	•	•	Year 2016	-2019 Forec	ast				
Lease #		Acct No.	2016	2017	2018	2019	Notes		
1L1		4370233	168,000	168,000	168,000	168,000	Flat Rate		
116L2		4370233	5,805	5,805	5,805	5,805	Flat Rate		
0241L3		4370233	8,619	8,253	8,583	8,926	Scheduled 4% incr.		
246L4		4370233	30	10	10	10	One-time annual charge		
262L1		4370233	0	7,292	7,584	7,887	Scheduled 4% incr.		
326L1		4370233	84	4,405	4,537	4,674	Scheduled 3% incr.		
342L5		4370233	7,839	7,611	7,611	7,611	1/2 of SCG Rent		
364L1		4370233	82,133	85,135	88,540	92,082	Scheduled 4% incr.		
484L1		4370233	1,000	1,000	1,000		Flat Rate		
551L1		4370233	0	7,292	7,584	7,888	Scheduled 4% incr.		
553L2		4370233	1,250	1,250	1,250	1,250	Flat Rate		
652L1		4370233	8,918	9,096	9,278	9,464	CPI		
652L2		4370233	1,000	1,000	1,000	1,000	Flat Rate		
685L2		4370233	11,453	11,453	11,453	11,453	Flat Rate		
826L2		4370233	3,000	3,000	3,000		Flat Rate		
872L3		4370233	9,005	9,366	9,740		Scheduled 4% incr.		
1002L2		4370233	2,500	2,500	2,500	2,500	Flat Rate		
0734L2		4370233	44,982	22,491	0	0	Flat Rate		
	Subtotal - 4307233	Subtotal	\$187,618	\$186,959	\$169,476	\$174,679			
						•			
805L3		4370115	34,847	35,803	36,877	37,984	Scheduled 3% incr.		
805L4		4370115	23,770	25,645	26,542		Scheduled 3.5% incr.		
	Subtotal - 4370115	Subtotal	\$58,617	\$61,448	\$63,420	\$65,455			
			,						
550L3		4370121	17,791	18,503	19,243	20,013	*Scheduled 4% incr.		
550L11		4370121	44,627	45,852	47,227	48,644	*Scheduled 3% incr.		
			,	,		,		2019 is ba	sed on an
550L12		4370121	10,620	12,280	12,771	10,980	*Scheduled 4% incr.	average of	
550L14		4370121	89,852	91,496	93,326	95,192	*CPI		
		1210.21	55,552	5 1, 100	55,525	55,152		2019 is ba	sed on an
EEOI 1E		4270424	E0 147	E1 065	E2 007	E7 64E	*CDI	average of	
550L15		4370121	50,147	51,065	52,087	57,645	CPI		
								2019 is ba	
550L16		4370121	14,639	15,175	15,782	17,078		average of	income
	Subtotal - 4370121	Subtotal	\$227,676	\$234,371	\$240,436	\$249,552			
		SC		CG-41-WP-2I			effen		
	TOTAL REVENUES		\$473,912	\$482p7g7ge	26 <b>\$47\$5332</b>	\$489,686			

		SOUTHERN CAL	IFORNIA G	AS COMPAN	<b>Y</b>			
		MISCELLA	NEOUS RE	VENUES				
		TAB 12: FERC ACCOUNT	495 SHARE	D ASSETS F	ORECAST			
A. A	Account [	Description: # 12 Shared Assets						
		ne from shared assets reflects the use of SoCalGas a nication equipment, by San Diego Gas & Electric Cos.						
B. F	orecast	Methodology						
		ecast of the 2019 charges billed to affiliates reflects t g depreciation, property taxes, federal and state inco						
			2012	2013	2014	2015	2016	E VD AVC
		Shared Assets Revenue - Gas Distrib	40,054					IDIKAVG
				49,856	50,351	52,995		<b>5 YR AVG</b> 49,567
			,	49,856	50,351		54,576	49,567
			.0,00.	,	,	52,995		
		Forecast Growth Rate	.0,00	49,856 <b>2017</b> -12.80%	50,351 <b>2018</b> -0.23%			
		Forecast Growth Rate	,	2017	2018	52,995 <b>2019</b>		
		Forecast Growth Rate FORECAST	.5,001	<b>2017</b> -12.80%	2018	52,995 <b>2019</b>		
			,	2017	<b>2018</b> -0.23%	52,995 <b>2019</b> 14.57%		
			,	<b>2017</b> -12.80%	<b>2018</b> -0.23%	52,995 <b>2019</b> 14.57%		
			.5,00	<b>2017</b> -12.80%	<b>2018</b> -0.23%	52,995 <b>2019</b> 14.57%		
C. S	Summary		,	<b>2017</b> -12.80%	<b>2018</b> -0.23%	52,995 <b>2019</b> 14.57%		
C. S	Summary	FORECAST	.5,00	<b>2017</b> -12.80%	<b>2018</b> -0.23%	52,995 <b>2019</b> 14.57%		
C. 8	Summary	FORECAST		<b>2017</b> -12.80%	<b>2018</b> -0.23%	52,995 <b>2019</b> 14.57%		
C. S	Summary	FORECAST	.5,00	<b>2017</b> -12.80%	2018 -0.23% 47,481	52,995 <b>2019</b> 14.57%		
C. S		of Results		<b>2017</b> -12.80%	<b>2018</b> -0.23% 47,481	52,995 <b>2019</b> 14.57%		
C. S	Line	of Results  Miscellaneous Revenues		<b>2017</b> -12.80%	2018 -0.23% 47,481 Total (\$000)	52,995 <b>2019</b> 14.57%		
C. S	Line 1.	of Results  Miscellaneous Revenues  2016 Actual		<b>2017</b> -12.80%	2018 -0.23% 47,481 Total (\$000) 54,576	52,995 <b>2019</b> 14.57%		

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	-			1		1	1			-		Т	1	Т			П		1		
	-	<u> </u>	1	SaC-10	as Shared Asse	at Allocation			1												
				Socaid					1												
					Billable	e Costs															
					Return	Annual		Total	Allocat	tion %	Alloca	ation \$	+				++				
		Weighted Avg	Annual	Billable	Grossed Up	Deprec.	Annual	Billable	Allocat	1011 70	Allooc	ιιοιτφ									
					,													SoCalGas		ĺ	
2017		Rate Base	Return	Return	for FIT & SIT	Expense	Property Tax	Charges	Retained	Billed	Retained	Billed	SoCal	SDGE	Affiliate	Total		Retained	SDGE	Affiliate	Total
Structures & Improvements		18,836	8.02%			2,288	244	5,082	94.1%	5.9%	4,784	298		284	13	298	Structures and Improvements	94.15%	5.59%	0.26%	100%
Computer Hardware		45,621	8.02%	3,659	6,175	17,952	592	24,719	60.7%	39.3%	14,992	9,727	_	9,447	279	9,727	Computer Hardware	60.65%	38.22%	1.13%	100%
Computer Software:	2-4 Yrs	5.167	8.02%	.  414	699	4.583	l 01	5.282	61.3%	38.7%	3.239	2.044	_	1.985	59 l	2.044	Computer Software 2-4 Yrs	61.31%	37.58%	1.11%	100%
	5-8 Yrs	125.547	8.02%			4,583 29.988	0		73.7%	26.3%	34.607	12.373		12,186	188	12.373	Computer Software 2-4 Yrs	73.66%		0.40%	100%
	9-12 Yrs	158,203	8.02%		21,413	34,655	Ö	56,068	62.5%	37.5%	35,039	21,029		20,985	44	21,029	Computer Software 9-12 Yrs	62.49%		0.08%	100%
	15 Yrs	3,527	8.02%	283	477	384	0	862	62.4%	37.6%	538	324		322	2	324	Computer Software 15 Yrs	62.39%	37.34%	0.26%	100%
	20 Yrs	0	8.02%	0	0	0	0	0	0.0%	0.0%	0	0		0	0	0 _	Computer Software 20 Yrs	-			
Communications		7.074	8.02%	567	957	2.922	92	3.971	55.0%	45.0%	2,185	1.786	-	1.614	172	1.786	Communications	55.02%	40.64%	4.33%	100%
Miscellaneous		196	8.02%				3	29	70.2%	29.8%	20	9		9	0	9	Miscellaneous	70.19%		0.00%	100%
	Total	364,172	8.02%	29,207	49,290	92,772	930	142,993				47,589	0	46,832	757	47,589					
					Return	Annual		Total	Allocat	tion %	Alloca	ation \$									
		Weighted Avg	Annual	Billable	Grossed Up	Deprec.	Annual	Billable		-								0.0.10			
2018		Rate Base	Return	Return	for FIT & SIT	Expense	Property Tax	Charges	Retained	Billed	Retained	Billed	SoCal	SDGE	Affiliate	Total		SoCalGas Retained	SDGE	Affiliate	Total
Structures & Improvements		16.327	7.34%	1.198	1.664	2.279	213	4.156	94.3%	5.7%	3.918	238		227	11	238	Structures and Improvements	94.27%	5.46%	0.26%	100%
Computer Hardware		57.204	7.34%			18.364	747	24,942	63.2%	36.8%	15.772	9.170		8.898	271		Computer Hardware	63.24%		1.09%	100%
Computer Software:																					
	2-4 Yrs	1,089	7.34%			2,905	0	3,016	61.3%	38.7%	1,850	1,166		1,134	32	1,166	Computer Software 2-4 Yrs	61.33%		1.07%	100%
	5-8 Yrs	177,863	7.34%			43,993	0		72.5%	27.5%	45,051	17,071		16,805	266	17,071	Computer Software 5-8 Yrs	72.52%		0.43%	100%
	9-12 Yrs 15 Yrs	121,561 3.122	7.34%			34,746 384	0		62.5% 62.4%	37.5% 37.6%	29,436 438	17,699 264		17,662 262	37 2	17,699 264	Computer Software 9-12 Yrs Computer Software 15 Yrs	62.45% 62.40%		0.08%	100% 100%
	20 Yrs	0	7.34%						0.0%	0.0%	436	0		0	0 2	0	Computer Software 20 Yrs	02.40%	37.30%	0.23%	100%
	20 110	, i	1.011			, i	, i	Ĭ	0.070	0.070	ŭ		-	Š	Ŭ.		Compater Contrare 20 110	_			
Communications	****	7,736	7.34%				101	4,477	58.3%	41.7%	2,610	1,867		1,726	141	1,867	Communications	58.30%			100%
Miscellaneous		177	7.34%				2	20	70.2%	29.8%	14	6		6	0	6	Miscellaneous	70.19%	29.81%	0.00%	100%
	Total	385,080	7.34%	28,265	, .	106,260	1,063	146,571		. 0/		47,481	-	46,720	761	47,481					
		Weighted Avg	Annual	Billable	Return Grossed Up	Annual Deprec.	Annual	Total Billable	Allocat	ion %	Alloca	ation \$					+				
0010									5	D.11	5	D.II. 1		0005	A 65''	T		SoCalGas	0005	A (C): 1	T
2019		Rate Base	Return	Return	for FIT & SIT	Expense	Property Tax	Charges	Retained	Billed	Retained	Billed	SoCal	SDGE	Affiliate	Total		Retained	SDGE	Affiliate	Total
Structures & Improvements		13,780	7.34%			2,142	181	3,727	94.4%	5.6%	3,520	207		197	10		Structures and Improvements		5.30%	0.27%	100%
Computer Hardware		95,412	7.34%	7,003	9,724	28,704	1,254	39,683	64.1%	35.9%	25,421	14,262		13,825	438	14,262	Computer Hardware	64.06%	34.84%	1.10%	100%
Computer Software:	2-4 Yrs	ത	7.34%	ol (0)	(0)	1 ^	l ol	(0)	61.3%	38.7%	(0)		-	(0)	തി	(o) F	Computer Software 2-4 Yrs	61.33%	37.59%	1.07%	100%
	5-8 Yrs	212.320	7.34%			56.161	0	77.801	72.5%	27.5%	56,418	21,383		21,001	382	21.383	Computer Software 2-4 Yrs	72.52%	26.99%	0.49%	100%
	9-12 Yrs	86,849	7.34%			34,429	0		62.4%	37.6%	26,997	16,284		16,248	37	16,284	Computer Software 9-12 Yrs	62.38%	37.54%	0.49%	100%
	15 Yrs	2,737	7.34%				0		62.4%	37.6%	414	249		248	2	249	Computer Software 15 Yrs	62.39%	37.37%	0.24%	100%
	20 Yrs	0	7.34%	0	0	0	0	0	0.0%	0.0%	0	0		0	0	0	Computer Software 20 Yrs				
Communications		15.805	7.34%	1,160	1.611	5.183	208	7.002	71.4%	28.6%	4 996	2.006	-	1,938	68 l	2.006	Communications	71.35%	27.68%	0.96%	100%
Miscellaneous		157	7.34%				2	18		29.8%	13	5		5	0	5	Miscellaneous	70.19%	29.81%	0.00%	100%
	Total	427.060	7.34%	31.346	43.526	127.004	1.645	172,176				54.398		53.462	935	54.398					

#### SOUTHERN CALIFORNIA GAS COMPANY MISCELLANEOUS REVENUES TAB 13: FERC ACCOUNT 495 CRUDE OIL SALES FORECAST A. Account Description: # 13 Crude Oil Sales Crude Oil Sales represents the revenue from the sale of crude oil produced at the Company's Aliso, Honor Rancho, and Playa Del Rey underground storage fields. Forecast includes administrative fee reimbursement for PDR PECO Oil & Gas LLC, et al. for all costs and expenses incurred in the operation of the Playa del Rey Field, including without limitation lifting, reworking and redrilling expenses, improvement and maintenance of surface equipment under agreement. B. Forecast Methodology The oil sales revenue estimate is based on the forecasted price of oil times forecasted volumes. The price forecast is based on a recent NYMEX futures strip for West Texas Intermediate crude oil, adjusted for the historical differentials between the benchmark West Texas Intermediate price and the price received at the various storage fields. The oil volume is based on trending of recent years volumes. Forecast based on 2016 base year. Forecast includes administrative fee reimbursement for PDR PECO Oil & Gas LLC, et al. for all costs and expenses incurred in the operation of the Playa del Rey Field, including without limitation lifting, reworking and redrilling expenses, improvement and maintenance of surface equipment under agreement. 5 YR AVG 2012 2013 2014 2015 2016 Honor Rancho Oil Rev 9.219 5.401 3.574 3.092 1.711 4.599 Aliso Shallow Zone 2,415 4,472 5.012 1.741 909 2.910 383 Aliso PEOC 316 268 304 95 273 PECO Oil & Gas LLC, et al 3,154 1,880 2,617 1,140 737 1,906 PDR PECO Oil & Gas LLC, et al Admin Fee 15 15 15 15 15 15 15,119 12,151 11,485 6,291 3,467 9,703 Forecast Growth Rate 2017 2018 2019 Honor Rancho Oil Rev -45.11% 7.56% 96.53% 0.19% Aliso Shallow Zone 17.41% -1.97% Aliso PEOC -97.90% 450.00% 0.00% PECO Oil & Gas LLC, et al 1.02% 8.19% -2.36% 0.00% PDR PECO Oil & Gas LLC, et al Admin Fee 0.00% 0.00% FORECAST = 5 Year Avg x Growth Rate Honor Rancho Oil Rev 939 1.010 1.985 1,067 1,046 1,048 Aliso Shallow Zone Aliso PEOC 11 11 2 PECO Oil & Gas LLC, et al 745 806 787 PDR PECO Oil & Gas LLC, et al Admin Fee 15 15 15 2,768 2,888 3,846 C. Summary of Results Total Line Miscellaneous Revenues (\$000)

3,467 2,768

2,888

3,846

1.

2.

3.

2016 Actual

2017 Estimated

2018 Estimated

2019 Test Year

#### **SOUTHERN CALIFORNIA GAS COMPANY** MISCELLANEOUS REVENUES TAB 13A: FERC ACCOUNT 495 CRUDE OIL SALES 2016 2017 2018 2019 **PLAN** Acct. No. Total **Total** Total Total Honor Rancho Oil Revenue \$ 1,010,048 1,984,918 4370103 1,710,577 939.344 40.906 Honor Rancho Oil Volume Bbl. 43.237 19.140 21,421 Honor Rancho Oil Avg Price \$/Bbl. 49.08 48.52 39.56 47.15 Growth Rate -0.450.08 0.97 Aliso Shallow Zone Oil Revenue \$ 4370105 908,749 1,067,306 1,046,253 1,047,756 25,883 24,785 24040 Aliso Shallow Zone Oil Volume Bbl. 25,212 Aliso Shallow Zone Oil Price \$/Bbl. 36.04 41.24 42.21 43.58 Growth Rate 0.17 -0.02 0.00 Aliso PEOC Lifting Fee Revenue \$ 11,429 11,200 4370106 95,163 2,184 Aliso PEOC Volume Bbl. 22,986 528 2,761 2,705 Aliso PEOC Lifting Fee \$/Bbl. 4.14 4.14 4.14 4.14 Growth Rate -0.98 4.23 -0.02 SoCalGas Share of PECO Oil & Gas LLC, et al Oil Revenue \$ 4370112 737,473 744,821 806,446 786,820 SoCalGas Share of PECO Oil & Gas LLC, et al Oil Volume Bbl. 21,217 17,931 19,152 18,096 PECO Oil & Gas LLC, et al Oil Price \$/Bbl. 34.76 41.54 42.11 43.48 Growth Rate 0.01 0.08 -0.02 **Total Oil Misc Revenues** 3,451,962 2,753,656 2,874,175 3,830,693

SOUTHERN CA	LIFORNIA GA	AS COMPAN'	Y			
	ANEOUS REV		<u>-</u>			
TAB 14: FERC ACCOUNT 495 S	TORAGE EM	IISSION CRE	DITS FOREC	AST		
A. Account Description: # 14 Underground Storage Engine E	mission Cre	dits				
Goleta Storage Emission Credit revenues result from the le	oco of omicci	on offset eres	lite at SaCalC	ac' Colota na	tural gas eta	rogo facility
Goleta Storage Emission Credit revenues result from the le	ase or emissi	on-onset cred	ilis at Socale	ias Goleta na	ilurai yas sio	rage racility.
	T	T		I	T	
N Farana 4 Mathadala ma						
3. Forecast Methodology						
The 2019 forecast is based on a continuation of the contrac	tual agreeme	hnt with Chevr	on IIS A. Co.	rporation con	corning the E	Point Arguella
Project that was executed on February 5, 1988. The agree						Ollit Alguello
Troject that was executed of the editally 5, 1900. The agree	ment provide.	s ioi a lixed a	illidal lee paid	on a quarter	ly basis.	
	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	4 YR AVG
Goleta Chevron Emissions Credits	767	1,023	1,023	1,023	1,023	1,023
\$10,000 per ton						
Tons per calendar quarter of Nox	X					
Subtotal		255,800				
Quarters per year	X					
Annual Forecast		1,023				
		<u>2017</u>	<u>2018</u>	<u>2019</u>		
Forecast Growth Rate		0.00%	0.00%	0.00%		
		4.000	4.000	4.000		
FORECAST = 2016 Year x Growth Rate		1,023	1,023	1,023		
C. Summary of Results						
5. Juninary of Results						
			Total			
Line Miscellaneous Revenues			(\$000)			
1. 2016 Actual		1	1,023			
2. 2017 Estimated			1,023			
3. <b>2018 Estimated</b> SCG/Ex. No: SCG-41-W	P-2R /Witnes	ss: Annette M				
4. <b>2019 Test Year</b>	age 31 of 45		1,023			+

		SOL	JTHERN CA	LIFORNIA GA	AS COMPAN'	Y			
				ANEOUS REV					 
		TAB 15: FERC ACC	OUNT 495 F	RETURNED C	HECK CHAP	RGE FOREC	AST		
Α. Α	Account [	Description: # 15 Returned Check Charge							
		urned check charge is \$7.50, which is assessed to	customers wh	nose checks a	ire returned fr	om the bank	for insufficie	nt funds	
	pursuai	nt to SoCalGas Tariff Schedule/Rule 12.							
В. І	orecast	Methodology							
	The 20	19 estimate is based on a three year historical avera	age (2014-20	16). A three y	ear historical	average was	adopted to	reflect	
	increas	ed Field activity in 2016 and a sustained Field activi	ty at a slightl	y decreased le	evel.				
			2012	2013	2014	2015	2016	3 YR AVG 1	
		Returned Check Charges Actual	492	463	450	494	557	496	
				<u>2017</u>	<u>2018</u>	<u>2019</u>			
		Forecast Growth Rate		0.00%	0.00%	0.00%			
		FORECAST = 3 Year Avg x Growth Rate		496	496	496			
C. S	Summary	of Results							
					Total				
	Line	Miscellaneous Revenues			(\$000)				
	1.	2016 Actual			557				
	2.	2017 Estimated			496				
	3.	2018 Estimated			496				
	4.	2019 Test Year			496				
(1)	On tab 15	a, 2016 was not updated to include 2016 recorded o	costs (it still in	ncluded estim	ates for Oct -	Dec).			

			CELLANEOUS F				
	TAB	15A: FERC ACC	COUNT 495 RET	URNED CHEC	K CHARGE		
GL Account 43700	006						
_	2012	2013	2014	2015	2016		
Jan	51,444	39,889	42,270	43,553	50,703		
Feb	48,725	40,216	39,368	36,320	52,590		
Mar	43,739	42,139	39,283	42,968	50,311		
Apr	42,268	42,432	40,384	40,201	43,671		
May	42,785	41,130	34,414	37,081	41,775		
Jun	39,518	36,240	40,456	38,417	45,625		
Jul	38,603	40,539	41,107	44,950	44,512		
Aug	40,674	40,193	38,789	46,801	46,011		
Sep	34,744	35,480	34,799	42,852	46,864		
Oct	40,822	37,970	36,803	45,703	45,703		
Nov	34,984	30,224	27,668	33,811	33,811		
Dec	33,559	36,587	34,945	41,483	41,483		
Total	491,866	463,038	450,287	494,140	543,059	(1)	
		122 222					
3 year average		495,828					
Forecast Years			2017	2018	2019		
Forecast Growth			0.0%	0.0%	0.0%		
F	Forecast		495,828	495,828	495,828		
Note: Any recorde	ed revenue varie	s from those pro	vided in original	document The	results		
shown here reflect							
		To accurre (flot o	. Crodito & dobito	10001404 111 40	. 5555		
(1)	estimates for Oct						

		SOUTHERN CAL	IFORNIA GA	S COMPAN	Y			
		MISCELLA	NEOUS REV	/ENUES				
	TAB 16	6: FERC ACCOUNT 495 INCOME TAX COMPONE	NT OF CON	TRIBUTION-I	N-AID-OF-CC	NSTRUCTIO	N FORECAS	ST .
A. A	ccount D	escription: # 16 Income Tax Component of Cont	rubution-in-	Aid-of-Const	ruction (ITC	CA)		
	1TCCA 1	represents the tax gross-up for contributions-in-aid-o	of-constructio	n (CIAC) which	ch became tax	able under th	ne Tax Reforr	n Act of
	1300.							
B F	_ orecast N	Methodology						
	1							
	The 201	l forecast is based on the ongoing amortization of t	he ITCCA co	llected from 1	987 through 2	2016 and the	amortization	of the
		ted ITCCA to be collected from 2017-2019.			oor anoagn.	to ro and the	amorazation	
								1
			2042	2013	2014	2045	2016	E VD AVC
		Amortization of ITCC	<b>2012</b> 4,387	3,211	3,390	<b>2015</b> 3,624	3,871	<b>5 YR AVG</b> 3,697
		Amortization of Tree	4,367	3,211	3,390	3,024	3,071	3,097
				2017	2018	2019		
		Forecast Growth Rate		18.15%	21.22%	13.59%		
		1 Olecast Glowth Rate		10.1370	21.22/0	13.3370		
		FORECAST = 5 Year Avg x Growth Rate		4,574	5,544	6,297		
		TONEDAGT - 3 Teal Avg x Glowill Nate		4,574	5,544	0,291		
C S	ummarv	of Results						
	<u> </u>							
					Total			
	Line	Miscellaneous Revenues			(\$000)			
	1.	2016 Actual			3,871			
	2.	2017 Estimated			4,574			
	3.	2018 Estimated			5,544			
	4.	2019 Test Year			6,297			

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<u> </u>				SOU <sup>-</sup>	THERN CALIFO	RNIA GAS CO	MPANY						
					RC - MISCELLA								
				ľ	TCC AMORTIZA	ATION 2016 - 2	019						
		A -4:1	A = 4 = 1	A = 4 = 1		Ганалан		Ганалага	Ганалага		Гочесов	C	Ганалага
		Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
		<u>2016</u>	<u>2016</u>	<u>2016</u>	<u>2017</u>	<u>2017</u>	<u>2017</u>	<u>2018</u>	<u>2018</u>	<u>2018</u>	<u>2019</u>	<u>2019</u>	<u>2019</u>
		CIAC	CAC	Total	CIAC	CAC	Total	CIAC	CAC	Total	CIAC	CAC	Total
ITCC AMORTIZATI				0			0			0			0
	1988			0			0			0			0
	1989			0			0			0			0
	1990 1991			0			0			0			0
	1991		+	0			0			0			0
	1993			0			0			0			0
	1994			0			0			0			0
	1995			0			0			0			0
	1996	1,161		1,161			0			0			0
	1997	3,252		3,252	1,633		1,633			0			0
	1998	1,174		1,174	1,174		1,174	590		590			0
	1999	(1,652)		(1,652)	(1,652)		(1,652)	(1,652)		(1,652)	(830)		(830)
	2000	32,085	47,310	79,395	32,085	47,310	79,395	32,085	47,310	79,395	32,085	47,310	79,395
	2001	11,623	42,675	54,298	11,623	42,675	54,298	11,623	42,675	54,298	11,623	42,675	54,298
	2002	68,976	108,887	177,863	68,976	108,887	177,863	68,976	108,887	177,863	68,976	108,887	177,863
	2003	40,097	65,464	105,561	40,097	65,464	105,561	40,097	65,464	105,561	40,097	65,464	105,561
	2004	41,046	82,215	123,261	41,046	82,215	123,261	41,046	82,215	123,261	41,046	82,215	123,261
	2005	428,105	130,365	558,470	428,831	130,586	559,417	428,105	130,365	558,470	428,831	130,586	559,417
	2006	83,888	120,790	204,678	83,746	120,586	204,332	83,888	120,790	204,678	83,746	120,586	204,332
	2007	22,147	169,801	191,948	22,184	170,089	192,273	22,147	169,801	191,948	22,184	170,089	192,273
	2008	52,027 352,055	147,455 150,713	199,482 502,768	51,939 352,651	147,205 150,968	199,144 503,619	52,027 352,055	147,455	199,482 502,768	51,939 352,651	147,205 150,968	199,144 503,619
	2009	163,311	147,716	311,027	163,311	147,716	311,027	163,588	150,713 147,967	311,555	163,311	147,716	311,027
	2010	27,837	132,400	160,237	25,732	122,388	148,120	23,785	113,128	136,913	23,470	111,626	135,096
	2012	69,802	90,477	160,279	64,668	83,822	148,490	59,778	77,484	137,262	55,255	71,621	126,876
	2012	33,921	109,765	143,686	31,341	101,417	132,758	29,036	93,957	122,993	26,840	86,853	113,693
	2014	322,263	106,807	429,070	298,142	98,812	396,954	275,467	91,297	366,764	255,205	84,582	339,787
	2015	135,569	94,537	230,106	125,429	87,466	212,895	116,041	80,920	196,961	107,216	74,765	181,981
	2016	81,412	153,303	234,715	156,745	295,159	451,904	145,022	273,083	418,105	134,167	252,643	386,810
	2017	0	0	0	203,768	367,431	571,199	392,321	707,428	1,099,749	362,979	654,518	1,017,496
	2018	0	0	0	0	0	0	191,581	365,477	557,057	368,856	703,665	1,072,521
	2019	0	0	0	0	0	0	0	0	0	69,579	344,229	413,808
	Total	1,970,099	1,900,680	3,870,779	2,203,469	2,370,196	4,573,665	2,527,606	3,016,416	5,544,022	2,699,226	3,598,203	6,297,429
	1												
* Fully Amortized	1												
ITOO mamuus saasta !!				_f	(CIAC)								
ITCC represents the					(CIAC).								
ITCC is amortized in	nto rever	iue over the life	e oi trie related T	property.	SCG/Ex No	SCG-41-WP-2	R /Witness: An	nette M. Steffer	<u> </u>				
					300, LA. 140		35 of 45	wi. Otolioi	•				

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## **SOUTHERN CALIFORIA GAS COMPANY** MISCELLANEOUS REVENUES **TAB 17: FERC ACCOUNT 495 TRAINING ACTIVITY** A. Account Description: # 17 Training Activity SoCalGas receives revenues for providing distribution and customer services field training, particularly welding training, welding recertification/re-qualifying, to various third party companies/contractors and other utilities involved in such activities. **B. Forecast Methodology** Forecast Methodology for 2017 thru 2019: Use the three year linear. 5 YR AVG 2012 2013 2014 2015 2016 Sundry Trng Labor 146 166 223 260 270 213 Sundry Trng Materials 66 84 110 127 145 107 Oper Qualification Training 0 0 0 0 250 212 333 387 415 320 **Forecast Growth Rate** 2017 2018 2019 Sundry Trng Labor 10.42% 7.89% 7.31% Sundry Trng Materials 11.87% 10.72% 9.68% Oper Qualification Training 0.00% 0.00% 0.00% FORECAST = 3 Year Linear Sundry Trng Labor 298 321 345 Sundry Trng Materials 163 180 197 Oper Qualification Training 0 0 0 460 501 542 C. Summary of Results Total Miscellaneous Revenues (\$000) Line 2016 Actual 415 460 2017 Estimated 2018 Estimated 501 3. SCG/Ex. No: SCG-41-WP-2R /Witness: Annette M. Steffen 542 2019 Test Year Page 36 of 45

		SOUTHERN CAL			Y			
			NEOUS REV					
		TAB 18: FERC ACCOUNT 4	495 LINE ITE	EM BILLING	FORECAST		T	T
<b>A</b> . <i>i</i>	Account [	Description: # 18 Line Item Billing						
		vice is offered to qualified third parties providing en				oducts and/o	r services to	residential
	and sm	all commercial industrial customers within The Gas	Company se	rvice territory				_
R	Forecast	Methodology						
B.	l Olecast	Methodology						
	The Co	nmerce Energy forecast is based on a 5-year and a	adjusted for e	xnectation of	dropping enr	ollments		
	1	minores Energy rereseast is based on a siyear and s	iajaotoa ioi c	mpootation of	diopping on			
	Comme	erce Energy began marketing UDC billing to resident	tial customer	s in summer	2016. Expecta	ition is that m	arketing cam	paign will
		d enrollments will begin dropping again by Jan. 2017						.p9
			0040	0040	0044	0045	0046	5 VD AVO
			<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	5 YR AVG
		Commerce Energy	75	63	58	56	59	62
		Total	75	63	58	56	59	62
		Forecast Growth Rate -		<u>2017</u>	<u>2018</u>	<u>2019</u>		
		Commerce Energy		-13%	20%	0%		
		FORECAST = 5 Year Avg x Growth Rate						
		Commerce Energy		54	65	65		
	0							
U	Summary	of Results						
					Total			
	Lina	Miscellaneous Revenues			Total			
	Line	Miscenarieous Revenues			(\$000)			
	1.	2016 Actual			59			
		2010710100						
	2.	2017 Estimated			54			
	3.	2018 Estimated			65			
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	4.	2019 Test Year	age 37 of 45		65			

		SOUTHERN CAL	IFORNIA G	AS COMPANY	/			
		MISCELLA			•			
	1	TAB 18A: FERC ACCO	UNT 495 L	INE ITEM BILI	LING		İ	į
<del> </del>								
A. Ac	count L	Description: # 18A Line Item Billing						
	The ser	l vice is offered to qualified third parties providing ene	ergy-related	and home saf	ety-related pro	oducts and/or	services to	residential
		all commercial industrial customers within The Gas (						
B. Fo	recast l	Methodology						
		3,						
		me Serve 2017 forecast is based on 5 Yr Avg; Assui					of future mar	ket potential,
	sustaini	ing vendor relationship, and limited qualified vendor	pool offerin	g kind-for-kind	product/servi	ce offerings.		
			2012	2013	<u>2014</u>	2015	2016	5 YR AVG
		Home Serve	635	1,118	2,373	4,267	5,083	2,695
		Total	635	1,118	2,373	4,267	5,083	2,695
				-				
		Forecast Growth Rate -		<u>2017</u>	<u>2018</u>	<u>2019</u>		
		Home Serve		105.50%	-20.00%	-83.33%		
		FORECAST = 5 Year Avg x Growth Rate						
		Home Serve		5,539	4,431	739		
		Total		5,539	4,431	739		
C Si	ımmarv	of Results		0,000	.,	. 00		
0. 30		Of Results						
					Total			
	Line	Miscellaneous Revenues			(\$000)			
	1.	2016 Actual			5,083			
	2.	2017 Estimated			5,539			
	3.	2018 Estimated			4,431			
<del>                                     </del>	٥.		) (I) (IAI:+					
	4.	2019 Test Year SCG/Ex. No: SCG-41-WF	9-2R /Witne <del>ige 38 of 45</del>	ess: Annette M.	739			
			ye <del>oo oi to</del>					

								1		1	_							
				Y														
	TAB 19: FERC ACCOUNT 495 FEDER/	AL ENERGY	RETROFIT F	PROGRAM FO	DRECAST													
1		ı	1	1														
Account	Description: # 19 Federal Energy Retrofit Progran	n (FERP)																
			ļ.,,	l														
facilitat	te the implementation of cost effective energy and wa																	
Forecast	Methodology																	
The 2019 forecast is based on the expected net revenue from forecasted contracts with various federal entities and level of fins																		
		iancing																
	•	la a in ar linait1	ta landan fir	mand muster to	aa saali	I aften the OO	16 CDC											
cycle.	SoCalGas anticipates this reduced level of activity to	as not																
		<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	5 YR AVG											
Oth	ner Rev Gas - Federal Proj Mgmt - (Gross Revenue)	9,831	8,648	5,839	8,625	2,476	7,084											
	FERC 495 O&M (Expense)	8,971	7,894	5,309	7,899	2,110	6,437											
	Profit	860	753	530	726	366	647											
			2017	2018	2019													
	Foregood Crowth Boto																	
			-19.90%	91.00%	-30.20%													
Oth	-		1 365	2 701	1 181	1												
Jui			,	, .	- ' '	<u> </u>												
	` ' '		·	-														
-	Profit		130	257	112													
Summary	v of Results					-								-				
Janimary				Total														
Line	Miscellaneous Revenues			(\$000)														
1.	2016 Estimated			366														
2.	2017 Estimated			130														
3.	2018 Estimated			257														
4. <b>2019 Test Year</b> 112																		
	Under facilita Federa  Forecast  The 20 allowa  1) SoC cycle. execut  Ott  Ott  Summar:  1. 2. 3.	MISCELLA TAB 19: FERC ACCOUNT 495 FEDER  Account Description: # 19 Federal Energy Retrofit Prograr  Under Executive Order 13132, the U.S. Government is auth facilitate the implementation of cost effective energy and wa Federal Customers in its service territory.  Forecast Methodology  The 2019 forecast is based on the expected net revenue from allowable by the U.S. Government.  1) SoCalGas' expectation of reduced Navy contracts due to cycle. SoCalGas anticipates this reduced level of activity to executed an UESC contract since November 2014.  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)  FERC 495 O&M (Expense)  Profit  FORECAST = 5 Year Avg x Growth Rate  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)  FERC 495 O&M (Expense)  Profit  Summary of Results  Line Miscellaneous Revenues  1. 2016 Estimated  2. 2017 Estimated  3. 2018 Estimated	MISCELLANEOUS REV TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY  Account Description: # 19 Federal Energy Retrofit Program (FERP)  Under Executive Order 13132, the U.S. Government is authorized and el facilitate the implementation of cost effective energy and water conserva Federal Customers in its service territory.  Forecast Methodology  The 2019 forecast is based on the expected net revenue from forecaster allowable by the U.S. Government.  1) SoCalGas' expectation of reduced Navy contracts due to being limited cycle. SoCalGas anticipates this reduced level of activity to continue into executed an UESC contract since November 2014.  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)  FERC 495 O&M (Expense)  Forecast Growth Rate  FORECAST = 5 Year Avg x Growth Rate  FORECAST = 5 Year Avg x Growth Rate  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)  FERC 495 O&M (Expense)  Profit  Summary of Results  Line  Miscellaneous Revenues  1. 2016 Estimated  2. 2017 Estimated  3. 2018 Estimated	MISCELLANEOUS REVENUES  TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT F  Account Description: # 19 Federal Energy Retrofit Program (FERP)  Under Executive Order 13132, the U.S. Government is authorized and encouraged to facilitate the implementation of cost effective energy and water conservation measures Federal Customers in its service territory.  Forecast Methodology  The 2019 forecast is based on the expected net revenue from forecasted contracts wi allowable by the U.S. Government.  1) SoCalGas' expectation of reduced Navy contracts due to being limited to lender-fine cycle. SoCalGas anticipates this reduced level of activity to continue into this 2019 GF executed an UESC contract since November 2014.  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)  FERC 495 O&M (Expense)  FORECAST = 5 Year Avg x Growth Rate  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)  FORECAST = 5 Year Avg x Growth Rate  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)  1, 365  FERC 495 O&M (Expense)  1, 235  Profit  130  Summary of Results  Line  Miscellaneous Revenues  1. 2016 Estimated  2. 2017 Estimated  3. 2018 Estimated	TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FOR Account Description: # 19 Federal Energy Retrofit Program (FERP)  Under Executive Order 13132, the U.S. Government is authorized and encouraged to enter into confacilitate the implementation of cost effective energy and water conservation measures. SoCalGas' if Federal Customers in its service territory.  The 2019 forecast is based on the expected net revenue from forecasted contracts with various fediallowable by the U.S. Government.  1) SoCalGas' expectation of reduced Navy contracts due to being limited to lender-financed projects cycle. SoCalGas anticipates this reduced level of activity to continue into this 2019 GRC cycle. As executed an UESC contract since November 2014.  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)  FERC 495 O&M (Expense)  Profit 860 753 530  Profit 860 753 530  2017 2018  FORECAST = 5 Year Avg x Growth Rate  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)  FERC 495 O&M (Expense)  1,365 2,701  FERC 495 O&M (Expense)  1,365 2,701  FERC 495 O&M (Expense)  1,235 2,444  Profit 130 257  Summary of Results  Total  Line Miscellaneous Revenues  1. 2016 Estimated  2. 2017 Estimated  3. 2018 Estimated  2. 2017 Estimated	MISCELLANEOUS REVENUES  TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST  Account Description: # 19 Federal Energy Retrofit Program (FERP)  Under Executive Order 13132, the U.S. Government is authorized and encouraged to enter into contracts with lor facilitate the implementation of cost effective energy and water conservation measures. SoCalGas' FERP program Federal Customers in its service territory.  Forecast Methodology  The 2019 forecast is based on the expected net revenue from forecasted contracts with various federal entities a allowable by the U.S. Government.  1) SoCalGas' expectation of reduced Navy contracts due to being limited to lender-financed projects was realized cycle. SoCalGas anticipates this reduced level of activity to continue into this 2019 GRC cycle. As an example, executed an UESC contract since November 2014.	MISCELLANEOUS REVENUES  TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST  Account Description: # 19 Federal Energy Retrofit Program (FERP)  Under Executive Order 13132, the U.S. Government is authorized and encouraged to enter into contracts with local utilities to facilitate the implementation of cost effective energy and water conservation measures. SoCalGas' FERP program offers this Federal Customers in its service territory.  The 2019 forecast is based on the expected net revenue from forecasted contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities and level of final contracts with various federal entities to final contracts with various federal	TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST  Account Description: # 19 Federal Energy Retrofit Program (FERP)  Under Executive Order 13132, the U.S. Government is authorized and encouraged to enter into contracts with local utilities to expedite and facilitate the implementation of cost effective energy and water conservation measures. SoCalGas' FERP program offers this service to Federal Customers in its service territory.  Forecast Methodology  The 2019 forecast is based on the expected net revenue from forecasted contracts with various federal entities and level of financing allowable by the U.S. Government.  1) SoCalGas' expectation of reduced Navy contracts due to being limited to lender-financed projects was realized after the 2016 GRC cycle. SocalGas anticipates this reduced level of activity to continue into this 2019 GRC cycle. As an example, SoCalGas has not executed an UESC contract since November 2014.  2012 2013 2014 2015 2016 5YRAVG  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue) 9,831 8,648 5,839 8,625 2,476 7,084  FERC 495 O&M (Expense) 9,871 7,994 5,309 7,899 2,110 6,437  Profit 860 753 530 726 366 647  FORECAST = 5 Year Avg x Growth Rate  FORECAST = 5 Year Avg x Growth Rate  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue) 1,365 2,701 1,181  FERC 495 O&M (Expense) 1,235 2,444 1,069  Profit 130 257 112  Summary of Results  Total  Line Miscellaneous Revenues (\$000)  1. 2016 Estimated 366  2. 2017 Estimated 130  3. 2018 Estimated 257	MISCELLANEOUS REVENUES  TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST  Account Description: # 19 Federal Energy Retrofit Program (FERP)  Under Executive Order 13132 the U.S. Government is authorized and encouraged to enter into contracts with local utilities to expedite and facilitate the implementation of cost effective energy and water conservation measures. SoCalGas' FERP program offers this service to Federal Customers in its service territory.  The 2019 forecast is based on the expected net revenue from forecasted contracts with various federal entities and level of financing allowable by the U.S. Government.  1) SoCalGas' expectation of reduced Navy contracts due to being limited to lender-financed projects was realized after the 2016 GRC cycle. SoCalGas anticipates this reduced level of activity to continue into this 2019 GRC cycle. As an example, SoCalGas has not executed an UESC contract since November 2014.  2012 2013 2014 2015 2016 SYR AVG  Other Rev Gas - Federal Proj Mgmt - (Gross Revenue) 9.831 8.648 5.839 8.625 2.476 7.084  FERC 495 O&M (Expense) 8.971 7.894 5.309 7.899 2.110 6.437  Profit 880 753 530 726 366 647  FORECAST = S Year Avg x Growth Rate -79.96% 97.88% -56.28%  FORECAST = S Year Avg x Growth Rate -79.96% 97.88% -56.28%  FORECAST = S Year Avg x Growth Rate -79.96% 97.88% -56.28%  FERC 495 O&M (Expense) 1.235 2.444 1.069  Profit 130 257 112  Summary of Results - 1.235 2.444 1.069  Line Miscellaneous Revenues (\$5000)  Line Miscellaneous Revenues (\$5000)  Line Miscellaneous Revenues (\$5000)  1. 2016 Estimated 366  2. 2017 Estimated 366  3. 2018 Estimated 257	MISCELLANEOUS REVENUES  TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST    Account Description: # 19 Federal Energy Retrofit Program (FERP)	MISCELLANEOUS REVENUES  TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST    Count Description: # 19 Federal Energy Retrofit Program (FERP)   Countries with local utilities to expedite and scalitate the implementation of cost effective energy and water conservation measures. SocialGas' FERP program offers this service to Federal Customers in its service territory.   Contracts with various federal entities and level of financing allowable by the U.S. Government.   Covernment of the expected net revenue from forecasted contracts with various federal entities and level of financing allowable by the U.S. Government.   Covernment.   Covernme	MISCELLANEOUS REVENUES  TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST    Cocurt Description: # 19 Federal Energy Retrofit Program (FERP)	MISCELLANEOUS REVENUES  TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST    Caccount Description: # 19 Federal Energy Retrofit Program (FERP)	MISCELLANEOUS REVENUES  TAB 19: FERC ACCOUNT 49: FEDERAL ENERGY RETROFIT PROGRAM FORECAST  Line Table 19: FERC ACCOUNT 49: FEDERAL ENERGY RETROFIT PROGRAM FORECAST  Line Table 19: FERC ACCOUNT 49: FEDERAL ENERGY RETROFIT PROGRAM FORECAST  Line Miscellane the inspectation of cost effective energy and water conservation measures. SocialGas if FERP program offers this service to Produce Outcomes in its service energy and water conservation measures. SocialGas if FERP program offers this service to Produce Outcomes in its service to its service to its service to its service in the service tention.	TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST  TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST  Account Description: # 19 Federal Energy Retrofit Program (FERP)  Under Executive Octed: 13132. The U.S. Government is authorized and emocuraged to enter into continacts with local utilities to expectite and facilitate the implementation of cost effective onergy and water conservation measures. SoCalGas* FERP program offers this service to Federal Customers in its service territory.  The 2019 forecast is based on the expected net revenue from forecasted contracts with various federal entities no expectite and facilitate by the U.S. Government.  1) SoCalGas* expectation of reduced Navy contracts due to being limited to lender-financed projects was realized after the 2016 GRC cycle. SoCalGas anicipates this reduced level of activity to continue into this 2019 GRC cycle. As an example, SoCalGas has not executed on UESC contract since Neverment 2014.  2012 2013 2014 2016 2016 SYR AVG  Other Rev Gas - Federal Prof. Might. (Gross Revenue) 9.831 8,648 5,839 8,025 2,470 7,044 4  FERC 495 GAM (Expense) 8,911 7,789 4 5,309 7,899 2,110 8,437 7  Forecast Growth Rate 7,799(% 97.89% 55,02%	TAS 19: FERC ACCOUNT 499 FEBRAL ENROY RETROFT PROGRAM FORECAST    Cocount Description: # 19 Federal Energy Retroft Program (FERP)	TAB 19: FERC ACCOUNT 496 FEDERAL ENERGY RETROFT PROGRAM FORECAST    Control of the Control of th	TAB 19: FERC ACCOUNT 496 FEDERAL ENERGY RETORIT PROGRAM FORECAST    Control of the Control of th

					SOUTHERN C	ALIFORNIA G	AS COMPANY					
						LANEOUS RE						
	1		TAB 19A: FER	C ACCOUNT 495 F	EDERAL ACCOUNT	S - GOVERNI	ENTAL TURNKE	Y PROJECT PROFIT	CALCULATION		1	1
-adaral Assaus	ts - Governmental Turnk	roy Droinet										
	2017-2019 Backup	ley Project										
Sitto i Tollis Iol	2017-2013 Backup											
		Existing Contract									_	
Billed & Unbilled	Contract Value	Value (Burn Rate)		on Burn Rate (New		2000	2004	Orig Bal - Burn Rate	Beg Balance	Contract Adds	Revenue	End Balance
	Beg Bal	(978,826)	2017	2018	2019	2020	2021					
1/1/2017	Deg bai	(924,447)						(924,447)	(924,447)		54,379	(870,068
2/1/2017	2	(870,068)						(870,068)	(870,068)		54,379	(815,689)
3/1/2017	3	(815,689)						(815,689)	(815,689)		54,379	(761,309
4/1/2017	4	(761,309)						(761,309)	(761,309)		54,379	(706,930)
5/1/2017	5	(706,930)						(706,930)	(706,930)		54,379	(652,551
6/1/2017	6	(652,551)						(652,551)	(652,551)		54,379	(598,172)
7/1/2017	7	(598,172)	237,500					(360,672)	(598,172)	3,800,000	291,879	3,493,708
8/1/2017	8	(543,792)	237,500				1	(306,292)	3,493,708		291,879 291,879	3,785,587 4,077,466
9/1/2017 10/1/2017	10	(489,413) (435,034)	237,500 237,500				1	(251,913) (197,534)	3,785,587 4,077,466		291,879	4,077,466
11/1/2017			237,500					(143,155)	4,369,345		291,879	4,661,225
12/1/2017	12		237,500				1	(88,775)	4,661,225		291,879	4,953,104
1/1/2018			237,500					(34,396)	4,953,104		291,879	5,244,983
2/1/2018			237,500					19,983	5,244,983		291,879	5,536,862
3/1/2018		(163,138)	237,500					74,362	5,536,862		291,879	5,828,742
4/1/2018			237,500					128,742	5,828,742		291,879	6,120,621
5/1/2018			237,500					183,121	6,120,621		291,879	6,412,500
6/1/2018								237,500	6,412,500		291,879	6,704,379
7/1/2018			79,167					79,167	6,704,379		79,167	6,783,546
8/1/2018 9/1/2018			79,167 79,167					79,167 79,167	6,783,546 6,862,713		79,167 79,167	6,862,713 6,941,879
10/1/2018			79,167					79,167	6,941.879		79,167	7.021.046
11/1/2018			79,167					79,167	7,021,046		79,167	7,100,213
12/1/2018			79,167					79,167	7,100,213		79,167	7,179,379
1/1/2019			79,167					79,167	7,179,379		79,167	7,258,546
2/1/2019			79,167					79,167	7,258,546		79,167	7,337,713
3/1/2019	27		79,167					79,167	7,337,713		79,167	7,416,879
4/1/2019			79,167					79,167	7,416,879		79,167	7,496,046
5/1/2019			79,167					79,167	7,496,046		79,167	7,575,213
6/1/2019			79,167					79,167	7,575,213		79,167	7,654,379
7/1/2019					450.050			450,050	7,654,379	2,500,000	-	7,654,379
8/1/2019 9/1/2019					156,250 156,250			156,250 156,250	7,654,379 10,310,629	2,500,000	156,250 156,250	10,310,629 10,466,879
10/1/2019					156,250			156,250	10,466.879		156,250	10,623,129
11/1/2019					156,250			156,250	10,623,129		156,250	10,779,379
12/1/2019	36				156,250			156,250	10,779,379		156,250	10,935,629
			3,800,000	-	781,250	-	-	(3,738,774)		6,300,000	5,560,076	
		Amount	Term (Months)	Total Revenue	Profit %	Total Profit	Gas Percentage		Gas Profit		-	
	Contracts 2017	3,800,000	24	2,077,551	9.50% 9.50%	197,367	100% 100%		197,367			
	Contracts 2017 Contracts 2018	3,000,000	24		9.50%	211,496	100%		211,496			
	Contracts 2019	2,500,000	24		9.50%	119,344	100%		119,344			
		2,000,000	2-1	,,255,250	3.3370	. 10,017	.55%	1,200,200	1.0,011			
	Profits	Total		Model								
	2015 Actuals	726		Revenue	100.00%		<b></b>					
	2016 Actuals	366*		Cost	90.50%							
	2017 Estimated 2018 Estimated	197 211		Profit	9.50%		<del> </del>					
	GRC 2019 TY	119					1					
	GRC 2019 11	119										

#### SOUTHERN CALIFORNIA GAS COMPANY MISCELLANEOUS REVENUES TAB 20: FERC ACCOUNT 495 MISCELLANEOUS OTHER GAS REVENUES FORECAST A. Account Description: # 20 Other Revenues Miscellaneous Other Revenues consist of other items not reflected above, including mapping services, Land & Right of Way, Aliso Canyon property and reclaim credit revenues. Land & Right of Way line item is distinct from mapping services (Geographic Services); costs for Land & Right of Way are associated adminstrative fees for property rights documentation. Difference in Mapping services is strictly representing fees for atlas requests and Will Serve letters. Previous revenues was for license sales which are no longer offered. B. Forecast Methodology The 2019 forecast is based on primarily 2016 recorded results. Using a 3 year average for Geographic Services. 2015 2012 2013 2014 2016 AVG Geographic Services - 3 Year Average 73 80 85 78 88 88 Land & Right of Way - 3 Year Average 11 14 13 13 20 10 Aliso Crimson - 5 Year Average 63 77 75 73 69 71 Aliso Termo - 5 Year Average 44 40 34 43 45 41 Aliso Road Access Fees - 5 Year Average 2 10 10 11 8 8 Aliso Canyon Reclaim Trading Credits - 5 Year Average 0 7 20 0 97 25 232 231 239 306 244 Forecast Growth Rate 2017 2018 2019 Geographic Services 0.00% -3.68% 0.00% Land & Right of Way 0.00% 0.00% 34.78% Aliso Crimson -13.19% 0.00% 0.00% Aliso Termo 7.29% 0.00% 0.00% Aliso Road Access Fees 200.00% 0.00% 0.00% Aliso Canyon Reclaim Trading Credits -100.00% 0.00% 0.00% FORECAST = 5 Year Avg x Growth Rate Geographic Services 85 85 85 Land & Right of Way 14 14 14 Aliso Crimson 60 60 60 Aliso Termo 36 36 36 Aliso Road Access Fees 24 24 24 Aliso Canyon Reclaim Trading Credits 657 219 219 875 C. Summary of Results Total (\$000) Line Miscellaneous Revenues 2016 Actual 306 2017 Estimated 219 3. 2018 Estimated 219 2019 Test Year 875 Included in this GRC is Land & Right of MG/Fix/NanuSCG-41-WP-2R /Witness: Annette M. Steffen

	SOUTHERN CALI	FORNIA G	AS COMPAN	Y											1
	MISCELLAN			-											
	TAB 21: FERC ACCOUNT 495 MICROWA			E REVENUE I	ORECAST										
			T												
A. Account l	Description: # 21 Microwave Bandwidth Lease Rev	enue													
This re	venue is for the leasing of excess capacity on the con	npany's mic	rowave netwo	ork to a third p	artv (Kinder M	lorgan/El Pa	so Energy).								
This lea	ase has a right to terminate clause if the capacity is ne	eeded for in	ternal use by	SoCalGas.	(										
	3 , ,		,												
B. Forecast	Methodology														
			1				1							1	
	not have any indication of a change to the lease requ			nd overall tele	com costs for	this area are	e static								
(initiate	ed in 2000) which is why we do not anticipate any char	nge in rever	nue.												
		2012	2013	2014	2015	2016	5 YR AVG								
	Microwave Bandwidth Lease Revenue	27	40	27	24	31	30								
	marana zanaman zada ritarina					<u> </u>	- 55								
			2017	2018	2019										
	Forecast Growth Rate		0.00%	0.00%	0.00%										
				0.00.1	0.00.										
	FORECAST = 5 Year Avg x Growth Rate		30	30	30										
C. Summary	of Results														
				Total											
Line	Miscellaneous Revenues			(\$000)											
1.	2016 Actual		1	31											
2.	2017 Estimated			30											
3.	2018 Estimated			30											
4.	2019 Test Year			30											
	NOTES														
	Contracted amount is \$26,714.88/year														
	2013 - lessee overpaid by \$12,966,70 (5.8 months	5)													
	2015 - lessee underpaid by \$2,226.24 (1 month)	-													
	2016 - lessee met contracted amount by October	, 2 months	additional p	aid									İ		
	\$0 authorized in 2015, new in 2016 GRC														
	Variance (\$2K) between 2016 authorized and 201	9 forecaste	ed amount is	due to 2016 :	authorized be	ing based	on the 5 year a	average (a	s of Senten	her 2016)	Based on	2016 actua	ıls. 5 vear a	verage is \$	30K.

			SOUTHERN CALIFORNIA GAS	COMPANY					
			MISCELLANEOUS REVE	NUES	NOT.				
			TAB 22: FERC ACCOUNT 495 OWNERSHIP	CHARGES FORECA	451				
	A. Account Description: # 22 O	wnershin Charges							
	A. Account Description: # 22 C								<u> </u>
			are derived by applying the cost-of-ownership rate t sen into consideration in deriving the refunds and th					to-serve dat	e. The
			-						
	B. Forecast Methodology								
			yr average. Forecast numbers represents a decline	in years 2017 and 20	18 due to the econd	omic recovery and a	decrease in	the ownersh	ip charge
		rate.							
									1 2 1/2 11/2
			Un-refunded CAC Balance	2012 4,462	2013 4,968	2014 4,828	2015 4,450	2016 3,270	3 YR AVG 4,183
				·	2017	2018	2019		
			Forecast Growth Rate		-14.87%	-5.10%	-3.05%		
			FORECAST = 3 Year Avg x Growth Rate		3,561	3,379	3,276		
			1 ONE OND 1 - 0 Teal Avg & Glowill Rate		0,001	0,010	0,210		
	C. Summary of Results								+
						Total			1
		Line 1.	Miscellaneous Revenues 2016 Actual			( <b>\$000</b> ) 3,270			+
		2. 3.	2017 Estimated 2018 Estimated	_		3,561 3,379			<u> </u>
		3. 4.	2019 Test Year			3,379 3,276			<u> </u>
									+
2012 Period	Debit	Credit	Balance	Cumulative balance					
Baland	0.00	0.00	0.00	0.00					
2	17,172,870.88 444,637.36	17,182,923.82 464,955.03	(10,052.94) (20,317.67)	(10,052.94) (30,370.61)					+
3	553,812.75	587,984.12	(34,171.37)	(64,541.98)					1
4 5	489,511.04 702,298.97	536,849.78 767,793.88	(47,338.74) (65,494.91)	(111,880.72) (177,375.63)					-
6 7	119,996.64 1,174,210.29	122,586.40 1,302,385.76	(2,589.76) (128,175.47)	(179,965.39) (308,140.86)					
8	818,006.86	896,268.29	(78,261.43)	(386,402.29)					
9 10	595,406.22 698,951.51	654,410.15 762,202.83	(59,003.93) (63,251.32)	(445,406.22) (508,657.54)					
11	570,573.35	626,975.20	(56,401.85)	(565,059.39)					
12 13	14,245,941.01	18,142,854.31 0.00	(3,896,913.30) 0.00	(4,461,972.69) (4,461,972.69)					+
14	0.00	0.00	0.00	(4,461,972.69)					1
15 16	0.00	0.00	0.00 0.00	(4,461,972.69) (4,461,972.69)					
Total	37,586,216.88	42,048,189.57	(4,461,972.69)	(4,461,972.69)					
									+
2013									+
Period		Credit	Balance	Cumulative balance					
Baland 1	0.00 1,689,879.84	0.00 1,784,496.47	0.00 (94,616.63)	(94,616.63)					+
2	990,704.83	1,018,873.94	(28,169.11)	(122,785.74)					1
3 4	1,193,414.45 1,097,542.94	1,259,961.54 1,131,659.59	(66,547.09) (34,116.65)	(189,332.83) (223,449.48)					
5 6	1,062,637.61 1,342,620.16	1,116,546.08 1,438,614.13	(53,908.47) (95,993.97)	(277,357.95) (373,351.92)					<b>I</b>
7	984,363.65	1,025,499.53	(41,135.88)	(414,487.80)					
8 9	950,203.60 945,840.71	1,021,233.84 991,362.85	(71,030.24) (45,522.14)	(485,518.04) (531,040.18)					-
10	1,049,508.73	1,147,643.58	(98,134.85)	(629,175.03)					1
11 12	1,284,834.34 15,635,346.52	1,382,981.27 19,876,414.67	(98,146.93) (4,241,068.15)	(727,321.96) (4,968,390.11)					+
13	0.00	0.00	0.00						1
14 15	0.00 0.00	0.00 0.00	0.00 0.00						
16 Total	0.00 28,226,897.38	0.00 33,195,287.49	0.00 (4,854,820.37)						1
iUldi	20,220,091.36	33,193,207.49	(4,004,020.37)						
2014									1
Period		Credit	Balance	Cumulative balance					
Baland 1	0.00 1,311,415.89	0.00 1,328,836.93	0.00 (17,421.04)	(17,421.04)					<del> </del>
2	1,178,933.05	1,226,034.85	(47,101.80)	(64,522.84)					1
3	1,028,051.20	1,082,013.95	(53,962.75)	(118,485.59)					

			SUITHEDN CALIEODNIA GAS	COMPANY					
			SOUTHERN CALIFORNIA GAS MISCELLANEOUS REVE						
			TAB 22: FERC ACCOUNT 495 OWNERSHIP		AST				
4	1,016,031.95	1,083,555.24	(67,523.29)	(186,008.88)					
5	887,654.49 820,694.93	941,142.23 862,063.33	(53,487.74) (41,368.40)	(239,496.62) (280,865.02)	+	<del>                                     </del>	-	+	+
7	584,013.60	634,585.83	(50,572.23)	(331,437.25)	+	<del>                                     </del>	<del>                                     </del>	+	+
8	731,516.10	813,706.91	(82,190.81)	(413,628.06)					
9	653,594.91	704,733.26	(51,138.35)	(464,766.41)					
10 11	1,136,056.87 1,177,952.48	1,203,794.97 1,263,268.51	(67,738.10) (85,316.03)	(532,504.51) (617,820.54)		-		-	
12	1,177,952.48	21,887,117.83	(4,210,189.04)	(4,828,009.58)	<u>'</u>	<del>                                     </del>		+	
13	0.00	0.00	0.00	, ,==,,;;;)					
14	0.00	0.00	0.00						
15 16	0.00	0.00	0.00 0.00			-			-
Total	28,202,844.26	33,030,853.84	(4.854.820.37)			<del> </del>		+	-
		27,222,022.	(1)						
2045									
2015 Period	Balance	Cumulative balance			-	-		+	-
Balanc		Cultiviative balance				<del>                                     </del>			_
1	(980.11)	(980.11)							
2	(104,048.15)	(105,028.26)							
3	93,780.05 (297,659.66)	(11,248.21) (308,907.87)			<u> </u>	<del>                                     </del>		-	-
5	69,706.78	(239,201.09)			+	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	
6	(76,987.60)	(316,188.69)							
7	(41,423.51)	(357,612.20)							
8 Q	(39,961.94) (69,630,80)	(397,574.14) (467,204.94)			+	<del> </del>	-	+	+
10	(84,946.13)	(552,151.07)				<del>                                     </del>		<del>                                     </del>	
11	(14,005.51)	(566,156.58)							
12	(3,883,960.01)	(4,450,116.59)							
13 14	0.00				+	+	-	+	+
15	0.00				†	<del>                                     </del>		<del>                                     </del>	+ -
16	0.00								
Total	(4,450,116.59)	(4,450,116.59)			-	-		1	1
					+	+	<del>                                     </del>	+	+
									<u></u>
2016	Dit	F	D. i. ID.	0 1 " 1		<u> </u>			
Period Balanc	Balance 0.00	Reduction	Revised Balance 0.00	Cumulative balance		1	-	-	+
1	(37,672.59)	0.00	(10,816.37)	(10,816.37)	+	<del>                                     </del>	<del>                                     </del>	+	
2	(59,773.02)	0.00	8,139.04	(2,677.33)				T	
3	(8,909.93)								
5	(400,000,07)	0.00	(48,656.41)	(51,333.74)					
	(133,099.87) (12,563.14)	0.00	(42,785.21)	(51,333.74) (94,118.95)					
6	(133,099.87) (12,563.14) (71,449.99)			(51,333.74) (94,118.95) (104,080.65) (223,681.45)					
6 7	(12,563.14) (71,449.99) (44,377.21)	0.00 0.00 0.00 0.00	(42,785.21) (9,961.70) (119,60.80) (108,718.78)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23)					
6 7 8	(12,563.14) (71,449.99) (44,377.21) (64,394.33)	0.00 0.00 0.00 0.00 0.00	(42,785.21) (9,961.70) (119,600.80) (108,718,78) (60,361.79)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02)					
6 7 8 9	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43)	0.00 0.00 0.00 0.00	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57)					
11	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82)	0.00 0.00 0.00 0.00 0.00 0.00 (12,540,95) (9,873,42)	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81)					
11 12	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 (12,540.95)	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34)					
11 12 13	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07)	0.00 0.00 0.00 0.00 0.00 0.00 (12,540,95) (9,873,42)	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81)					
11 12 13 14	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00	0.00 0.00 0.00 0.00 0.00 0.00 (12,540,95) (9,873,42)	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81)					
11 12 13 14 15 16	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 (12,540.95) (9,873.42) (616,760.86)	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)					
11 12 13 14 15	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 (12,540,95) (9,873,42)	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81)					
11 12 13 14 15 16 Total	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 0.00 (4,748,838.76)	0.00 0.00 0.00 0.00 0.00 0.00 (12,540,95) (9,873,42) (616,760.86)	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)					
11 12 13 14 15 16 Total	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 (12,540,95) (9,873,42) (616,760.86)	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)					
11 12 13 14 15 16 Total Reduct	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76)	0.00 0.00 0.00 0.00 0.00 0.00 (12,540.95) (9,873.42) (616,760.86) (639,175.24) wnership Charge Rate Chang	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,6043.77) (58,043.77) (2,602,635.60)  (4,109,663.52)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)					
11 12 13 14 15 16 Total Reduct	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (85,663.6) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76)	0.00 0.00 0.00 0.00 0.00 0.00 (12,540,95) (9,873,42) (616,760.86)	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)		Cumulative Balance			
11 12 13 14 15 16 Total Reduct	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 (12,540.95) (9,873.42) (616,760.86)  (639,175.24) whership Charge Rate Chang	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41) (3,270,425.41)	Revised Balance				
11 12 13 14 15 16 Total Reduct	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (85,663.6) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76)	0.00 0.00 0.00 0.00 0.00 0.00 (12,540.95) (9,873.42) (616,760.86) (639,175.24) wnership Charge Rate Chang	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,6043.77) (58,043.77) (2,602,635.60)  (4,109,663.52)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)		Cumulative Balance (7,880.94) (46,455.75)			
11 12 13 14 15 16 Total Reduct	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (55,430.43) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76) tion of 15% Oct thru Dec due to O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  Revised Balance (8,278.30) (40,519.76) (2,504.41)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21)	Revised Balance (7,880,94) (38,574.81) (2,384.20)	(7,880.94) (46,455.75) (48,839.95)			
11 12 13 14 15 16 Total Reduct	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 (4,748,838.76) tion of 15% Oct thru Dec due to Or	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e  Revised Balance  (8,278.30) (40,519.76) (2,504.41) (115,590.98)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37)	(7,880.94) (38,574.81) (2,384.20) (110,042.61)	(7,880.94) (46,455.75) (48,839.95) (158,882.56)			
11 12 13 14 15 16 Total Reduct	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76) tion of 15% Oct thru Dec due to O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.76) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e  Revised Balance  (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91	(51,333.74) (94,118,95) (104,080,65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10	(7,880,94) (38,574.81) (2,384.20) (110,042.61) 1,687.81	(7,880.94) (46,455.75) (48,839.95) (158,882.56) (157,194.75)			
11 12 13 14 15 16 Total Reduct	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 (4,748,838.76) tion of 15% Oct thru Dec due to Or	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e  Revised Balance  (8,278.30) (40,519.76) (2,504.41) (115,590.98)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40)	(7,880.94) (46,455.75) (48,839.95) (158,882.56)			
11 12 13 14 15 16 Total Reduct	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 (4,748,838.76) tion of 15% Oct thru Dec due to O  Balance 0.00 (9,739.17) (47,670.30) (2,946.37) (135,989.39) 2,085.78 (79,318.93) (66,948.4) (60,838.18)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e  Revised Balance (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26)	(7,880.94) (46,455.75) (48,839.95) (158,882.56) (157,194.75) (221,379.63) (275,519.03) (324,749.28)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 4 5 6 7 7 8 8	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76) tion of 15% Oct thru Dec due to O  Balance 0.00 (9,739.17) (47,670.30) (2,946.37) (135,989.39) 2,085.78 (79,318.93) (66,904.84) (60,083.13) (63,245.23)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52)  e  Revised Balance  (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04)	(7,880.94) (46,455.75) (48,839.95) (158,882.56) (157,194.75) (221,379.63) (275,519.03) (324,749.28) (392,111.33)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 4 5 6 7 8 9	(12,563.14) (77,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) (0,00) (0,00) (0,00) (10,00) (4,748,838.76) (10,00)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52)  e  Revised Balance  (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45) (72,218.40)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41) (3,466.48)	(7,880,94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04) (68,751.92)	(7,880.94) (46,455.75) (48,639.95) (158,882.56) (157,194.75) (221,379.63) (275,519.03) (324,749.28) (392,111.33) (460,863.24)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 4 5 6 7 7 8 8	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76) tion of 15% Oct thru Dec due to O  Balance 0.00 (9,739.17) (47,670.30) (2,946.37) (135,989.39) 2,085.78 (79,318.93) (66,904.84) (60,083.13) (63,245.23)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52)  e  Revised Balance  (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04)	(7,880.94) (46,455.75) (48,839.95) (158,882.56) (157,194.75) (221,379.63) (275,519.03) (324,749.28) (392,111.33)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 4 4 5 6 6 7 7 8 8 9 10 11 12 13	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) (0,00) (0,00) (0,00) (0,00) (4,748,838.76) (65,828.82) (4,111,739.07) (4,748,838.76) (4,748,838.76) (5,946.37) (135,989.39)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e  Revised Balance (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45) (72,218.40) (47,201.70)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41) (3,466.48) (2,265.68)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04) (68,751.92) (44,936.02)	(7,880.94) (46,455.75) (48,839.95) (158,882.56) (157,194.75) (221,379.63) (275,519.03) (324,749.28) (392,111.33) (460,863.24) (505,799.26)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 3 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 (4,748,838.76) tion of 15% Oct thru Dec due to O  Balance 0.00 (9,739.17) (47,670.30) (2,946.37) (135,989.39) 2,085.78 (79,318.93) (60,938.81) (60,938.81) (60,938.81) (62,242.67) (52,446.34) (52,446.34) (52,446.34) (52,446.34) (52,446.34)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e  Revised Balance (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45) (72,218.40) (47,201.70)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41) (3,466.48) (2,265.68)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04) (68,751.92) (44,936.02)	(7,880.94) (46,455.75) (48,839.95) (158,882.56) (157,194.75) (221,379.63) (275,519.03) (324,749.28) (392,111.33) (460,863.24) (505,799.26)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 4 5 6 6 7 7 8 9 9 10 11 12 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76)  tion of 15% Oct thru Dec due to O   Balance  0.00 (9,739.17) (47,670.30) (2,946.37) (135,989.39) 2,085.78 (79,318.93) (66,938.18) (60,838.18) (83,245.23) (80,242.67) (52,446.34) (52,246.34)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e  Revised Balance (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45) (72,218.40) (47,201.70)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41) (3,466.48) (2,265.68)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04) (68,751.92) (44,936.02)	(7,880.94) (46,455.75) (48,839.95) (158,882.56) (157,194.75) (221,379.63) (275,519.03) (324,749.28) (392,111.33) (460,863.24) (505,799.26)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 3 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 (4,748,838.76) tion of 15% Oct thru Dec due to O  Balance 0.00 (9,739.17) (47,670.30) (2,946.37) (135,989.39) 2,085.78 (79,318.93) (60,938.81) (60,938.81) (60,938.81) (62,242.67) (52,446.34) (52,446.34) (52,446.34) (52,446.34) (52,446.34)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e  Revised Balance (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45) (72,218.40) (47,201.70)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41) (3,466.48) (2,265.68)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04) (68,751.92) (44,936.02)	(7,880.94) (46,455.75) (48,839.95) (158,882.56) (157,194.75) (221,379.63) (275,519.03) (324,749.28) (392,111.33) (460,863.24) (505,799.26)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 3 4 5 6 7 8 9 9 10 11 12 13 14 15 16 7 16 16 16 16 16 16 16 16 16 16 16 16 16	(12,563.14) (77,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) (0,00) 0.00 0.00 (14,748,838.76) (15,739.17) (47,670.30) (2,946.37) (135,989.39)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52)  e  Revised Balance  (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45) (70,758.45) (72,218.40) (47,201.70) (3,209,035.40)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41) (3,466.48) (2,265.68)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04) (68,751.92) (44,936.02)	(7,880,94) (46,455,75) (48,839,95) (158,882,56) (157,194,75) (221,379,63) (275,519,03) (324,749,28) (392,111,33) (460,863,24) (505,799,26) (3,560,800,96)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 3 4 5 6 7 8 9 9 10 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76)  Balance 0.00 (9,739.17) (47,670.30) (2,946.37) (135,989.39) 2,085.78 (79,318.93) (66,904.84) (60,838.18) (60,938.18) (83,245.23) (80,242.67) (52,446.34) (3,565.594.88) (3,565.594.88) 0.00 0.00 0.00 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	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52) e  Revised Balance  (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45) (72,218.40) (47,201.70) (3,209,035.40)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41) (3,466.48) (2,265.68)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04) (68,751.92) (44,936.02)	(7,880,94) (46,455,75) (48,839,95) (158,882,56) (157,194,75) (221,379,63) (275,519,03) (324,749,28) (392,111,33) (460,863,24) (505,799,26) (3,560,800,96)			
11 12 13 14 15 16 Total Reduct 2017 Period Balanc 1 2 3 3 4 5 6 7 8 9 9 10 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	(12,563.14) (71,449.99) (44,377.21) (64,394.33) (55,430.43) (83,606.36) (65,822.82) (4,111,739.07) 0.00 0.00 0.00 0.00 (4,748,838.76)  Balance 0.00 (9,739.17) (47,670.30) (2,946.37) (135,989.39) 2,085.78 (79,318.93) (66,904.84) (60,838.18) (60,938.18) (83,245.23) (80,242.67) (52,446.34) (3,565.594.88) (3,565.594.88) 0.00 0.00 0.00 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	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	(42,785.21) (9,961.70) (119,600.80) (108,718.78) (60,361.79) (128,966.55) (88,043.77) (58,017.47) (2,602,635.60)  (4,109,663.52)  e  Revised Balance  (8,278.30) (40,519.76) (2,504.41) (115,590.98) 1,772.91 (67,421.09) (56,869.11) (51,712.45) (70,758.45) (70,758.45) (72,218.40) (47,201.70) (3,209,035.40)	(51,333.74) (94,118.95) (104,080.65) (223,681.45) (332,400.23) (392,762.02) (521,728.57) (609,772.34) (667,789.81) (3,270,425.41)  SFC Reduction (397.36) (1,944.95) (120.21) (5,548.37) 85.10 (3,236.21) (2,729.72) (2,482.20) (3,396.41) (3,466.48) (2,265.68)	(7,880.94) (38,574.81) (2,384.20) (110,042.61) 1,687.81 (64,184.88) (54,139.40) (49,230.26) (67,362.04) (68,751.92) (44,936.02)	(7,880,94) (46,455,75) (48,839,95) (158,882,56) (157,194,75) (221,379,63) (275,519,03) (324,749,28) (392,111,33) (460,863,24) (505,799,26) (3,560,800,96)			
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			SOUTHERN CALIFORNIA GAS	COMPANY				
			MISCELLANEOUS REVE					
			TAB 22: FERC ACCOUNT 495 OWNERSHIP	CHARGES FOREC	AST			
Balanc	0.00		0.00					
1	(6,559.14)	(655.91)	(5,903.23)	(283.35)	(5,619.87)	(5,619.87)		
2	(44,827.97)	(4,482.80)	(40,345.18)	(1,936.57)	(38,408.61)	(44,028.48)		
3	14,246.48	1,424.65	12,821.83	615.45	12,206.38	(31,822.09)		
4	(150,162.49)	(15,016.25)	(135,146.24)	(6,487.02)	(128,659.22)	(160,481.32)		
5	20,477.63	2,047.76	18,429.87	884.63	17,545.23	(142,936.09)		
6	(86,924.43)	(8,692.44)	(78,231.98)	(3,755.14)	(74,476.85)	(217,412.93)		
7	(68,093.90)	(6,809.39)	(61,284.51)	(2,941.66)	(58,342.85)	(275,755.78)		
8	(49,851.33)	(4,985.13)	(44,866.20)	(2,153.58)	(42,712.62)	(318,468.40)		
9	(88,653.13)	(8,865.31)	(79,787.82)	(3,829.82)	(75,958.00)	(394,426.40)		
10	(80,580.61)	(4,029.03)	(76,551.58)	(3,674.48)	(72,877.10)	(467,303.50)		
11	(38,986.33)	(1,949.32)	(37,037.02)	(1,777.78)	(35,259.24)	(502,562.74)		
12	(3,180,532.44)	(159,026.62)	(3,021,505.81)	(145,032.28)	(2,876,473.53)	(3,379,036.28)		
13								
14								
15								
16		(2				(		
Total	(3,760,447.65)	(211,039.80)	(3,549,407.86)			(3,379,036.28)		
			Dec due to Ownership Charge Rate Change					
	on of 10% Jan thru Sept reduced	Lto 5% Oct thru DecOct thru F	lec due to Ownershin Charge Rate Change					
Reduction		Tio 070 Cot till a Decedet till a E	occude to Ownership Charge Nate Change					
		1 to 0 % Oot and Booost and E	ord due to Ownership Orlange Nate Orlange					
2019	•							
2019 Period E	Balance	Ownership Charge Reduction	Revised Balance	SFC Reduction	Revised Balance	Cumulative Balance		
2019	Balance 0.00	Ownership Charge Reduction	Revised Balance 0.00					
2019 Period E	3alance 0.00 (8,238.18)	Ownership Charge Reduction (411.91)	Revised Balance 0.00 (7,826.27)	(375.66)	(7,450.61)	(7,450.61)		
2019 Period E	3alance 0.00 (8,238.18) (23,596.44)	Ownership Charge Reduction (411.91) (1,179.82)	Revised Balance  0.00 (7.826.27) (22,416.62)	(375.66) (1,076.00)	(7,450.61) (21,340.62)	(7,450.61) (28,791.23)		
2019 Period E	3alance 0.00 (8,238.18) (23,596.44) (12,984.81)	Ownership Charge Reduction (411.91) (1,179.82) (649.24)	Revised Balance 0.00 (7.826.27) (22,416.62) (12,335.57)	(375.66) (1,076.00) (592.11)	(7,450.61) (21,340.62) (11,743.47)	(7,450.61) (28,791.23) (40,534.70)		
2019 Period E	3alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47)	Ownership Charge Reduction (411.91) (1,179.82) (649.24) (4,783.92)	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.57) (90,894.55)	(375.66) (1,076.00) (592.11) (4,362.94)	(7,450.61) (21,340.62) (11,743.47) (86,531.61)	(7,450.61) (28,791.23) (40,534.70) (127,066.31)		
2019 Period E	3alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82	Ownership Charge Reduction (411.91) (1,179.82) (649.24) (4,783.92) 155.94	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.57) (90,884.55) 2,962.87	(375.66) (1,076.00) (592.11) (4,362.94) 142.22	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65)		
2019 Period E	0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25)	Ownership Charge Reduction (411.91) (1,179.82) (649.24) (4,783.92) 155.94 (4,358.31)	Revised Balance  0.00 (7.826.27) (22,416.20) (12,335.57) (90,894.55) 2,962.87 (82,807.94)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80)		
2019 Period E	3alance 0.00 (8,238.18) (23,556.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58)	Ownership Charge Reduction (411.91) (1,179.82) (649.24) (4,783.92) 155.94 (4,358.31) (3,732.18)	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.57) (90,894.55) 2,962.87 (82,807.94) (70,911.40)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46)		
2019 Period E	3alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62)	Ownership Charge Reduction (411.91) (1.179.82) (649.24) (4.783.92) 155.94 (4.358.31) (3.732.18) (2,579.78)	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.57) (90,894.55) 2,962.87 (82,807.94) (70,911.40) (49,015.84)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54)		
2019 Period E Balanc 1 2 3 4 5 6 7 8 9 9	8alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33)	Ownership Charge Reduction (411.91) (1,179.82) (649.24) (4,783.92) 155.94 (4,358.31) (3,732.18)	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.57) (90.884.55) 2,962.87 (82,807.94) (70,911.40) (49,015.84) (87,299.62)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77)		
2019 Period Balanc 1 2 3 4 5 6 7 8 9 10	3alance  0.00 (8,238.18) (23,596.44) (12,994.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09)	Ownership Charge Reduction (411.91) (1.179.82) (649.24) (4.783.92) 155.94 (4.358.31) (3.732.18) (2,579.78)	Revised Balance  0.00 (7,826,27) (22,416,62) (12,335,57) (90,894,55) 2,962,87 (82,807,94) (70,911,40) (49,015,84) (87,299,62) (77,713,09)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,962.86)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63)		
2019 Period E Balanc 1 2 3 4 5 6 7 8 9 10 11	3alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09) (46,826.14)	Ownership Charge Reduction (411.91) (1.179.82) (649.24) (4.783.92) 155.94 (4.358.31) (3.732.18) (2,579.78)	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.77) (90,894.55) 2,962.87 (82,807.94) (70,911.40) (49,015.84) (87,299.62) (77,713.09) (48,826.14)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23) (2,247.65)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,982.86) (44,578.48)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63) (518,920.12)		
2019 Period E Balanc 1 2 3 3 4 4 5 6 6 7 8 8 9 9 10 11 11 12	3alance  0.00 (8,238.18) (23,596.44) (12,994.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09)	Ownership Charge Reduction (411.91) (1.179.82) (649.24) (4.783.92) 155.94 (4.358.31) (3.732.18) (2,579.78)	Revised Balance  0.00 (7,826,27) (22,416,62) (12,335,57) (90,894,55) 2,962,87 (82,807,94) (70,911,40) (49,015,84) (87,299,62) (77,713,09)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,962.86)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63)		
2019 Period E Balanc 1 2 3 3 4 4 5 6 6 7 7 8 9 9 10 11 11 12 13	3alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09) (46,826.14)	Ownership Charge Reduction (411.91) (1.179.82) (649.24) (4.783.92) 155.94 (4.358.31) (3.732.18) (2,579.78)	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.77) (90,894.55) 2,962.87 (82,807.94) (70,911.40) (49,015.84) (87,299.62) (77,713.09) (48,826.14)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23) (2,247.65)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,982.86) (44,578.48)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63) (518,920.12)		
2019 Period E Balanc 1 2 3 4 4 5 5 6 6 7 7 8 8 9 10 11 12 13 14	3alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09) (46,826.14)	Ownership Charge Reduction (411.91) (1.179.82) (649.24) (4.783.92) 155.94 (4.358.31) (3.732.18) (2,579.78)	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.77) (90,894.55) 2,962.87 (82,807.94) (70,911.40) (49,015.84) (87,299.62) (77,713.09) (48,826.14)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23) (2,247.65)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,982.86) (44,578.48)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63) (518,920.12)		
2019 Period E Balanc 1 2 3 4 4 5 5 6 6 7 7 8 8 9 10 11 12 13 14 15	3alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09) (46,826.14)	Ownership Charge Reduction (411.91) (1.179.82) (649.24) (4.783.92) 155.94 (4.358.31) (3.732.18) (2,579.78)	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.77) (90,894.55) 2,962.87 (82,807.94) (70,911.40) (49,015.84) (87,299.62) (77,713.09) (48,826.14)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23) (2,247.65)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,982.86) (44,578.48)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63) (518,920.12)		
2019 Period E Balanc 1 2 3 4 5 5 6 7 8 9 9 10 11 12 13 14 15 16	8alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09) (46,826.14) (2,896,048.18)	Ownership Charge Reduction (411.91) (1,179.82) (649.24) (4,783.92) 155.94 (4,358.31) (3,732.18) (2,579.78) (4,594.72)	Revised Balance  0.00 (7.826.27) (22,416.62) (12,335.57) (90.884.55) 2,962.87 (82.807.94) (70,911.40) (49,015.84) (87.299.62) (77,713.09) (46,626.14) (2,896,048.18)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23) (2,247.65)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,982.86) (44,578.48)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63) (518,920.12) (3,275,957.98)		
2019 Period E Balanc 1 2 3 4 4 5 5 6 6 7 7 8 8 9 10 11 12 13 14 15	3alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09) (46,826.14)	Ownership Charge Reduction (411.91) (1.179.82) (649.24) (4.783.92) 155.94 (4.358.31) (3.732.18) (2,579.78)	Revised Balance  0.00 (7,826.27) (22,416.62) (12,335.77) (90,894.55) 2,962.87 (82,807.94) (70,911.40) (49,015.84) (87,299.62) (77,713.09) (48,826.14)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23) (2,247.65)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,982.86) (44,578.48)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63) (518,920.12)		
2019 Period E Balanc 1 2 3 4 4 5 6 6 7 7 8 9 9 10 11 12 13 14 15 16	8alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09) (46,826.14) (2,896,048.18)	Ownership Charge Reduction (411.91) (1,179.82) (649.24) (4,783.92) 155.94 (4,358.31) (3,732.18) (2,579.78) (4,594.72)	Revised Balance  0.00 (7.826.27) (22,416.62) (12,335.57) (90.884.55) 2,962.87 (82.807.94) (70,911.40) (49,015.84) (87.299.62) (77,713.09) (46,626.14) (2,896,048.18)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23) (2,247.65)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,982.86) (44,578.48)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63) (518,920.12) (3,275,957.98)		
2019 Period E Balanc 1 2 3 3 4 4 5 5 6 6 7 7 8 9 9 10 11 11 11 12 13 3 14 15 16 6 6 7 7 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8alance 0.00 (8,238.18) (23,596.44) (12,984.81) (95,678.47) 3,118.82 (87,166.25) (74,643.58) (51,595.62) (91,894.33) (77,713.09) (46,826.14) (2,896,048.18)	Ownership Charge Reduction (411.91) (1,179.82) (649.24) (4,783.92) 155.94 (4,358.31) (3,732.18) (2,579.78) (4,594.72)	Revised Balance  0.00 (7.826.27) (22,416.62) (12,335.57) (90.884.55) 2,962.87 (82.807.94) (70,911.40) (49,015.84) (87.299.62) (77,713.09) (46,626.14) (2,896,048.18)	(375.66) (1,076.00) (592.11) (4,362.94) 142.22 (3,974.78) (3,403.75) (2,352.76) (4,190.38) (3,730.23) (2,247.65)	(7,450.61) (21,340.62) (11,743.47) (86,531.61) 2,820.66 (78,833.15) (67,507.65) (46,663.08) (83,109.24) (73,982.86) (44,578.48)	(7,450.61) (28,791.23) (40,534.70) (127,066.31) (124,245.65) (203,078.80) (270,586.46) (317,249.54) (400,358.77) (474,341.63) (518,920.12) (3,275,957.98)		