

Application of SAN DIEGO GAS & ELECTRIC)
COMPANY for authority to update its gas and electric)
revenue requirement and base rates)
effective January 1, 2016 (U 902-M))

Application No. 14-11-003
Exhibit No: (SDG&E-34-R-A-WP)

REVISED
WORKPAPERS TO
PREPARED DIRECT TESTIMONY
OF MICHELLE A. SOMERVILLE
ON BEHALF OF SAN DIEGO GAS & ELECTRIC COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

APRIL 2015



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SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
SUMMARY OF PUC ACCOUNTS, 451, 454, 456, 488, 493, 495
 Thousand of Dollars (\$)

	RECORDED					FORECAST			
	2009	2010	2011	2012	2013	2014	2015	2016	
SDG&E Electric Misc. Revenue - 451									
Service Establishment Charges	1	\$ 4,747	\$ 4,191	\$ 2,965	\$ 2,825	\$ 2,400	\$ 2,505	\$ 2,532	\$ 2,730
Collection Charges	2	\$ 2,181	\$ 2,216	\$ 2,092	\$ 1,868	\$ 1,608	\$ 735	\$ 108	\$ 108
Late Payment Charges	3	\$ 481	\$ 370	\$ 442	\$ 428	\$ 478	\$ 442	\$ 444	\$ 447
Returned Check Service Charge	4	\$ 242	\$ 215	\$ 226	\$ 220	\$ 223	\$ 225	\$ 227	\$ 201
Direct Access Fees	5	\$ 90	\$ 131	\$ 84	\$ 80	\$ 72	\$ 91	\$ 91	\$ 91
Cogeneration Reimbursement	6	\$ 248	\$ 239	\$ 236	\$ 232	\$ 224	\$ 236	\$ 236	\$ 236
Other Service Revenues	7	\$ 311	\$ 45	\$ (29)	\$ (55)	\$ 3	\$ 325	\$ 328	\$ 332
Sub-Total - 451		\$ 8,300	\$ 7,407	\$ 6,016	\$ 5,598	\$ 5,008	\$ 4,559	\$ 3,966	\$ 4,145
Rent From Electric Properties - 454									
Rent from Electric Property	8	\$ 1,551	\$ 1,589	\$ 1,565	\$ 1,434	\$ 1,462	\$ 1,506	\$ 1,566	\$ 1,628
Special Facilities Charges	9	\$ 1,445	\$ 1,128	\$ 4,333	\$ 8,271	\$ 951	\$ 1,722	\$ 1,722	\$ 1,722
Customer Advances for Construction	10	\$ 1,513	\$ 742	\$ 814	\$ 452	\$ 601	\$ 734	\$ 734	\$ 734
Other Misc. Revenue	11	\$ 48	\$ 80	\$ 48	\$ 55	\$ 40	\$ 55	\$ 56	\$ 57
Sub-Total - 454		\$ 4,557	\$ 3,539	\$ 6,760	\$ 10,212	\$ 3,054	\$ 4,017	\$ 4,078	\$ 4,141
Other Electric Revenues - 456									
Revenue Cycle Service Credits	12	\$ (221)	\$ (227)	\$ (231)	\$ (240)	\$ (254)	\$ (287)	\$ (305)	\$ (305)
Dist. Pole Attachment Fees	13	\$ 1,418	\$ 2,317	\$ 1,534	\$ 1,554	\$ 1,474	\$ 1,472	\$ 1,537	\$ 1,611
Shared Assets	14	\$ 4,210	\$ 3,606	\$ 3,991	\$ 4,704	\$ 5,994	\$ 6,292	\$ 5,812	\$ 5,085
Federal Energy Retrofit Program (FERP)	15	\$ 2,045	\$ 1,505	\$ 1,154	\$ 929	\$ 780	\$ 160	\$ 509	\$ 457
Other Misc. Revenue	16	\$ 206	\$ 140	\$ 128	\$ 310	\$ 85	\$ 85	\$ 85	\$ 85
Sub-Total - 456		\$ 7,658	\$ 7,341	\$ 6,576	\$ 7,257	\$ 8,079	\$ 7,722	\$ 7,638	\$ 6,933
TOTAL ELECTRIC		\$20,515	\$18,287	\$19,352	\$23,067	\$16,141	\$16,298	\$15,682	\$15,220
SDG&E Gas Misc. Revenue - 488									
Service Establishment Charges	17	\$ 2,459	\$ 2,125	\$ 1,455	\$ 1,407	\$ 1,329	\$ 1,340	\$ 1,356	\$ 1,553
Collection Charges	2	\$ 935	\$ 949	\$ 896	\$ 801	\$ 689	\$ 315	\$ 47	\$ 47
Late Payment Charges	18	\$ 114	\$ 70	\$ 53	\$ 42	\$ 45	\$ 65	\$ 65	\$ 66
Sub-Total - 488		\$ 3,508	\$ 3,144	\$ 2,404	\$ 2,250	\$ 2,063	\$ 1,720	\$ 1,469	\$ 1,666
Rent From Gas Properties - 493									
Rent from Gas Property	19	\$ (2)	\$ 15	\$ 17	\$ 18	\$ 18	\$ 19	\$ 19	\$ 20
Sub-Total - 493		\$ (2)	\$ 15	\$ 17	\$ 18	\$ 18	\$ 19	\$ 19	\$ 20
Other Gas Revenues - 495									
Other Misc. Revenue	16	\$ 19	\$ 12	\$ 10	\$ 5	\$ 8	\$ 8	\$ 8	\$ 8
Customer Advances for Construction	20	\$ 180	\$ 67	\$ 81	\$ 63	\$ 88	\$ 86	\$ 86	\$ 86
Shared Assets	14	\$ 1,396	\$ 1,253	\$ 1,418	\$ 2,025	\$ 2,641	\$ 2,524	\$ 2,332	\$ 2,039
Federal Government Retrofit Revenue	21	\$ 492	\$ 364	\$ 275	\$ 227	\$ 194	\$ 65	\$ 208	\$ 186
Other Misc. Revenue	22	\$ 4	\$ 5	\$ 8	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-Total - 495		\$ 2,091	\$ 1,701	\$ 1,792	\$ 2,320	\$ 2,931	\$ 2,683	\$ 2,634	\$ 2,319
TOTAL GAS		\$5,597	\$4,860	\$4,213	\$4,588	\$5,012	\$4,422	\$4,121	\$4,005
TOTAL MISC. REVENUE		\$26,112	\$23,147	\$23,565	\$27,655	\$21,153	\$20,720	\$19,804	\$19,225

**SAN DIEGO GAS & ELECTRIC
ELECTRIC FORECAST FOR 2016 GRC MISCELLANEOUS REVENUE FILING**

TAB	Activity	Sundry Activity	FERC	FORECAST METHODOLOGY (000's)					FORECAST GROWTH RATE			SUMMARY OF RESULTS (000's)		
				2009	2010	2011	2012	2013	2014	2015	2016	2014 Est	2015 Est	2016 TY
1	SEC	RE Misc Rev Serv Est Resident (13) / SP SE Charge Portion (19)	451	4,747	4,191	2,965	2,825	2,400	0.65%	0.98%	1.20%	2,505	2,532	2,730
2	Collection Charges	\$9.00 Collection Charge (17)	451	1,915	1,978	1,862	1,633	1,568	0.00%	0.00%	0.00%	686	48	48
2	Collection Charges	\$15.00 Collection Charge (18)	451	266	238	230	235	40	0.00%	0.00%	0.00%	49	60	60
3	Late Payment Fees	Late Payment Charge - Elec Com/Ind (14)	451	481	370	442	428	478	0.42%	0.58%	0.54%	442	444	447
4	Returned Check	JE Misc Rev Returned Check Chg	451	242	215	226	220	223	0.65%	0.98%	1.20%	225	227	201
5	Direct Access Fees	UDC Direct Access Fees	451	90	131	84	80	72	0.00%	0.00%	0.00%	91	91	91
6	Cogeneration Reimbursement	Misc Rev Serv Co-Gen Reimbrsmnt Distribution Rule 21	451	248	239	236	232	224	0.00%	0.00%	0.00%	236	236	236
7i	Other Mtr/Billing Revenues	Misc Rev Temporary Service Work	451	266	0	-73	-100	-41	0.65%	0.98%	1.20%	280	283	287
7ii	Other Mtr/Billing Revenues	SP Bill Rev	451	16	16	16	16	17	0.00%	0.00%	0.00%	16	16	16
7iii	Other Mtr/Billing Revenues	Opt Mtr Read Date Change	451	26	26	26	26	25	0.00%	0.00%	0.00%	26	26	26
7iv	Other Mtr/Billing Revenues	Int Mtr Data Rev	451	3	3	2	3	2	0.65%	0.98%	1.20%	3	3	3
				8,300	7,407	6,016	5,598	5,008				4,559	3,966	4,145
8i	Rent from Electric Property	Rent Electric Property	454	1,482	1,468	1,452	1,386	1,411	3.00%	4.00%	4.00%	1,453	1,511	1,571
8ii	Rent from Electric Property	Leases & Licenses Rent electric Property-Dist. Sub. (36)	454	69	121	113	48	51	3.00%	4.00%	4.00%	53	55	57
9	Special Facilities Charges	Rule 2: Alt Srv / Spec Facilities Distribution (60)	454	1,445	1,128	4,333	8,271	951	0.00%	0.00%	0.00%	1,722	1,722	1,722
10	CAC Revenue	Ownership cost deductions - electric	454	1,513	742	814	452	601	-11.00%	0.00%	0.00%	734	734	734
11	Other Misc. Revenue	Electric Right of Way fees	454	48	80	48	55	40	1.50%	1.50%	1.50%	55	56	57
				4,557	3,539	6,760	10,212	3,054				4,017	4,078	4,141
12	Revenue Cycle Service Credits	Elec Rev Cycle Service Credits	456	-221	-227	-231	-240	-254	0.00%	0.00%	0.00%	-287	-305	-305
13	Dist. Pole Attachment Fees	Lease of conduit on elec prop (29), Right of Way Fee	456	187	182	181	201	209	0.00%	0.00%	0.00%	192	192	192
13	Dist. Pole Attachment Fees	Dist Pole Attach Fee, Telecomms (32)	456	1,231	2,135	1,353	1,353	1,265	0.00%	0.00%	0.00%	1,280	1,345	1,419
14	Shared Asset Revenue			4,210	3,606	3,991	4,704	5994	0.00%	0.00%	0.00%	6,292	5,812	5,085
15	Federal Energy Retrofit (FERP)	Other Rev Electric Federal Project (45)	456	2,045	1,505	1,154	929	780	See Notes	See Notes	See Notes	160	509	457
16i	Other Misc. Revenue	Chemical and other substance testing for external customers	456	174	108	92	42	69	0.00%	0.00%	0.00%	68	68	68
16ii	Other Misc. Revenue	Other Rev Electric Federal Project (45)	456	55	4	5	245	-2	0.00%	0.00%	0.00%	0	0	0
16iii	Other Misc. Revenue	Shop and testing services IO 200176072 PET Lab	456	15	11	14	6	1	0.00%	0.00%	0.00%	0	0	0
16iv	Other Misc. Revenue	Leasing of excess microwave communications	456	-38	17	17	17	17	0.00%	0.00%	0.00%	17	17	17
				7,658	7,341	6,576	7,257	8,079				7,722	7,638	6,933
				20,515	18,287	19,352	23,067	16,141				16,298	15,682	15,220

**SAN DIEGO GAS & ELECTRIC
GAS FORECAST FOR 2016 GRC MISCELLANEOUS REVENUE FILING**

FERC	TAB	Activity	Sundry Activity	Acct #	Responsible		FORECAST METHODOLOGY (000's)					FORECAST GROWTH RATE			SUMMARY OF RESULTS (000's)			
					Dept.	Bus. Mgr	2009	2010	2011	2012	2013	2014	2015	2016	2014 Est	2015 Est	2016 TY	
488	17	SEC - Residential	JE RG Service Estab Residential (65)	4370136	No IO - no expenses	Collections	David Vorse	2,459	2,125	1,455	1,407	1,329	0.84%	1.18%	1.41%	1,340	1,356	1,553
488	2	Collection Charges	\$9.00 Collection Charge (17)	New accts in 2005 4330111 - (G) No IO - no expenses	4370127 (Old acct)	Field Collection	David Vorse	821	847	798	700	672	0.00%	0.00%	0.00%	294	21	21
488	2	Collection Charges	\$15.00 Collection Charge (18)	New accts in 2005 4330112 (G) No IO - no expenses	4370128 (Old acct)	Collections	David Vorse	114	102	98	101	17	0.00%	0.00%	0.00%	21	26	26
488	18	Late Payment Fees	Late Payment Charge Gas Com/Ind (66)	4370137	No IO - no expenses	Collections	Ted Williams/ Cindy Amirkhiz	114	70	53	42	45	0.42%	0.58%	0.54%	65	65	66
488								3,508	3,144	2,404	2,250	2,063				1,720	1,469	1,666
493	19i	Rent from Gas Property	Leases & Licenses Rent Gas Property, Distribution (69)	4370220	No separate IO, % of admin costs	Real Estate	Carolyn Godfrey	-5	12	13	14	14	3.00%	4.00%	4.00%	14	15	16
493	19ii	Rent from Gas Property	Leases & Licenses Rent Gas Property Transmission (70)	4370221	No separate IO, % of admin costs	Real Estate	Carolyn Godfrey	3	3	4	4	4	3.00%	4.00%	4.00%	4	4	4
493								-2	15	17	18	18				19	19	20
14		Shared Asset Revenue		4370226			Jenny Chhuor / Edith Manzano	1,396	1,253	1,418	2,025	2,641	0.00%	0.00%	0.00%	2,524	2,332	2,039
495	16i	Other Misc. Revenue	Chemical and other substance testing for external customers	4370152		Environ. Svcs	Randy Calentine / Crystal Yousef	19	12	10	5	8	0.00%	0.00%	0.00%	8	8	8
495	20	CAC Revenue	Ownership Cost Deductions - gas	4350188	No IO - no expenses		Steven Dais	180	67	81	63	88	-10.00%	0.00%	0.00%	86	86	86
495	21	Federal Energy Retrofit (FERP)	Other Rev Gas - Federal Project Mgmt (80)	4370145	One IO for every project	Federal Accounts	Eric Llewellyn	492	364	275	227	194	See notes	See notes	See notes	65	208	186
495	22	Other Misc. Revenue	Emission Credit Proceeds - Gas	4370102	No IO - no expenses	Gas Engineering	Tom Ishii	4	5	8	0	0	0.00%	0.00%	0.00%	0	0	0
495								2,091	1,701	1,792	2,320	2,931				2,683	2,634	2,319
5,597								4,860	4,213	4,588	5,012				4,422	4,121	4,005	

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 1: FERC ACCOUNT 451 SERVICE ESTABLISHMENT CHARGES**

A) Description

Revenue collection from electric customers for establishment or reestablishment of service.

B) Forecast Methodology

The 2014-2015 forecasts are calculated using base year actuals adjusted by estimated annual customer growth for the period, since full Smart Meter benefits were realized in 2013. The TY2016 forecast is based on the same forecast methodology for the transactions, however, using \$5 for non-fielded orders and \$25 for fielded orders in an effort to move towards cost based fees.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
4,747	4,191	2,965	2,825	2,400	3,426

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
0.65%	0.98%	1.20%
2,416	2,439	2,469
90	93	88
2,505	2,532	2,556

Source: Ex. SDG&E-31, Witness K. Schiermeyer

Tab 1a

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	2,400
2	2014 Estimated	2,505
3	2015 Estimated	2,532
4	2016 Test Year	2,730

Tab 1b

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 1A: FERC ACCOUNT 451 REMOTE SERVICE REESTABLISHMENT**

A) Description

Revenue collection from residential electric customers for remote reestablishment of service. Fee first implemented 9/27/2013.

B) Forecast Methodology

The 2016 forecast is calculated using a projection of residential disconnections which takes into account the expiration of the Disconnection OIR limits, full implementation of Smart Meters for remote disconnection (rate of disconnections completed remotely calculated for fully implemented program) and 'Vulnerable' Customers eligible for remote disconnection mid-2014 per the anticipated terms of the 2014 Disconnection OIR. Assumed annual residential disconnection increases of 9% in 2014 and 3% thereafter. Further assumes a remote re-connection rate equal to the 2 year moving average.

Residential Non-Pay Disconnections (000s)

2009	2010	2011	2012	2013
24.68	22.06	21.46	22.40	26.71

All Residential Accounts

Forecast Growth Rate (All residential disconnections)

All Residential Accounts

2014	2015	2016
9.00%	3.00%	3.00%
29.11	29.98	30.88

Consistent with assumptions in the Disconnect OIR

Forecast Residential Disconnections Completed Remotely

All Residential Accounts

2014	2015	2016
98%	98%	98%
28.54	29.40	30.28

Based on about 1.2% being opt-out customers

Residential Remote Reconnections (000s)

Based on historical reconnects

2009	2010	2011	2012	2013
-	-	0.02	1.02	21.14

Residential Remote Reconnection Rate

2012	2013	Average 2014	Average 2015	Average 2016
86.0%	84.8%	85.4%	85.1%	85.2%

Projected Remote Reconnections and Revenue (000s)

All Residential Customers

2014	2015	2016
24.37	25.02	25.81
\$ 122	\$ 125	\$ 129

Allowed Charges Rate:

2014	2015	2016
1.0%	1.0%	1.0%
(1)	(1)	(1)

Charges reversed by Call Center

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)	using SEC Fcst Methodology 2013 actuals + elec mtr growth	Difference between column E and SEC wp methodology
1	2013 Recorded	31		
2	2014 Estimated	121	31	90
3	2015 Estimated	124	31	93
4	2016 Test Year	128	40	88

Tab 1b

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 1B: SERVICE ESTABLISHMENT CHARGES CALCULATION**

	2013 Actuals	2016 Forecast
Electric Meters	1,405,218	1,445,387
Gas Meter	861,573	891,506
Total Meters	2,266,791	2,336,893

		BASE YEAR 2013 ACTUALS		
FEE TYPE	CATEGORY	ELECTRIC	GAS	TOTAL
SORT *	Fielded (b)	15,919	19,867	35,786
REM ORDERS	Non-Fielded (a)	56,247	0	56,247
LATE POST	Non-Fielded (a)	1	0	1
NON FIELD	Non-Fielded (a)	382	84	466
DIST/CONST	Fielded (b)	5,152	0	5,152
BATCH CMPL	Non-Fielded (a)	351,720	199,880	551,600
GAS OPS	Fielded (b)	0	164	164
TOTAL ALL ORDERS		429,421	219,995	649,416
Total Non-Fielded		408,350	199,964	608,314
Total Fielded		21,071	20,031	41,102

* SORT Orders can be worked by Customer Service Field (CSF), Advanced Meter Operations (AMO), and Electric Troubleshooters

Base Year 2013 Actuals + 2016 Meter Growth by Meter Type				
		2016 FORECAST		
FEE TYPE	CATEGORY	ELECTRIC	GAS	TOTAL
SORT *	(b)	16,374	20,557	36,931
REM ORDERS	(a)	57,855	0	57,855
LATE POST	(a)	1	0	1
NON FIELD	(a)	393	87	480
DIST/CONST	(b)	5,299	0	5,299
BATCH CMPL	(a)	361,774	206,824	568,598
GAS OPS	(b)	0	170	170
TOTAL ALL ORDERS		441,696	227,638	669,334
Total Non-Fielded Orders	Sum (a)	420,023	206,911	626,934
Total Fielded Orders	Sum (b)	21,673	20,727	42,400
Non-Fielded Orders x \$5 Fee	Sum (a) x \$5	\$2,100	\$1,035	\$3,135
Increase in Remote Cut-Ins following Remote Disconnect (See SDGE-34-WP Tab 1a)		\$88	\$0	\$88
Sub-Total Non-Fielded Fees		\$2,188	\$1,035	\$3,223
Fielded Orders x \$25 Fee	Sum (b) x \$25	\$542	\$518	\$1,060
TOTAL SEC FEES		\$2,730	\$1,553	\$4,283

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 2: FERC ACCOUNT 451/488 COLLECTION CHARGES**

A) Description

Revenue from charges assessed to customers to pay for the cost of delivering field collection notices and field disconnections. The fees are based on \$9 and \$15 increments.

B) Forecast Methodology

The full impact of Remote Disconnection is realized in 2013. Additionally, the 2011 Disconnection OIR (which included disconnection limits) will expire during 2014, and it will be replaced by a new Disconnection OIR which we anticipate will require the waiving of collection charges for "Vulnerable" customers. Vulnerable customers are those who are one of Medical Baseline or self-certified Disabled. Assumptions have been made regarding the growth of the self-certified category of customers within the Residential Class. Additionally, the new OIR will permit these vulnerable customers to be remotely disconnected and reconnected, which has been prohibited in the first Disconnection OIR. There is no collection charge for remote disconnection. Additionally, delivery of 48-hour notices (1st Call Collections visit) will be completed via mail beginning 6/1/14. Vulnerable customers will receive an additional fielded 48-hour notice per the 2014 Disconnection OIR and may not be charged for these visits. Commercial accounts will continue to be fielded for 2nd and 3rd calls and the 2 year average of 55% Payment received is applied to those visits to result in \$9 notice charge as opposed to \$15 disconnection charge. Fees are calculated on a consolidated basis and then split 70% Electric/30% Gas consistent with Regulatory Account practice.

Field Collections Notices (\$9: G/L 4331001, 4330111)

Chargeable calls completed (000s)

2009	2010	2011	2012	2013	
307	320	305	268	254	All Customers
3	4	4	7	29	Vulnerable Customers

Projected calls completed (000s, operational changes and best estimate of orders created)

2014	2015	2016	
115	16	16	All Customers
19	8	9	Vulnerable Customers

Revenue Projection (\$9)

2014	2015	2016	
1,034	143	147	All Customers
-43	-73	-77	Vulnerable Customers (charge disallowed after 6/1/14)
991	69	70	Gross Charges
1.1%	1.1%	1.1%	Call Center Reversed Charge Rate (3 Year Average)
980	69	69	Net Charges

Field Disconnections (\$15: G/L 4331002, 4330112)

Chargeable disconnections completed (000s)

2009	2010	2011	2012	2013	
27	24	23	23	4	All Customers
0	0	0	0	0.3	Vulnerable Customers

Projected calls completed (000s, operational changes and best estimate of orders created)

2014	2015	2016	
4.7	5.8	5.8	All Customers
0.0	0.0	0.0	Vulnerable Customers

Revenue Projection (\$15)

2014	2015	2016	
70.9	87.0	87.7	All Customers
-0.1	-0.1	-0.1	Vulnerable Customers (charge disallowed)
70.8	86.9	87.5	Gross Charges
1.9%	1.9%	1.9%	Call Center Reversed Charge Rate (3 Year Average)
69.4	85.2	85.8	Net Charges

C) Summary of Results

Line	Miscellaneous Revenue	Collection Notice (\$9)			Credit Disconnection (\$15)		
		Electric	Gas	Total	Electric	Gas	Total
		Total (000's)	Total (000's)	Total (000's)	Total (000's)	Total (000's)	Total (000's)
1	2013 Recorded	1,568	672	2,240	40	17	57
2	2014 Estimated	686	294	980	49	21	69
3	2015 Estimated	48	21	69	60	26	85
4	2016 Test Year	48	21	69	60	26	86

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 3: FERC ACCOUNT 451 LATE PAYMENT CHARGES (ELECTRIC)**

A) Description

Revenue from the charges assessed to commercial customers for delinquent payments.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded) adjusted by estimated annual customer growth for the period 2014 - 2016.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
481	370	442	428	478	440

Forecast Growth Rate of Commercial/Industrial Accounts

2014	2015	2016
0.42%	0.58%	0.54%
442	444	447

Developed based on Ex. SDG&E-31, Table KS-1. Witness K. Schiermeyer.

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	478
2	2014 Estimated	442
3	2015 Estimated	444
4	2016 Test Year	447

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 4: FERC ACCOUNT 451 RETURNED CHECK SERVICE CHARGE**

A) Description

A fee of \$7 (revised from \$8 on 4/23/14 for effective date 1/1/2016) is charged to customers for returned checks. While there is little difference between the forecast revenue estimates using a three year or five year average, SDG&E has used the three year average to be consistent with the late fee methodology for other revenue estimates herein.

B) Forecast Methodology

The 2016 forecast is based on 5 years of history of the volume of charges assessed with a fee of \$8 prior to 12/31/2015 and \$7 after 1/1/16 and holding the allowed charge rate constant to the two year average (2012-2013).

Gross Volume of Charges assessed (in thousands)

2009	2010	2011	2012	2013
31	28	29	29	29

2%

Gross Volume Assessed (before Call Center Allowed)

2009	2010	2011	2012	2013
31	28	29	29	29

5 Yr Avg

29

Gross Charges Recorded (\$000)

2009	2010	2011	2012	2013
\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00	\$ 8.00
248	222	233	229	233

2%

Gross Charges Recorded (before Call Center Allowed Charges)

2009	2010	2011	2012	2013
248	222	233	229	233

5 Yr Avg

233

Charges Allowed/Credited (\$000)

2009	2010	2011	2012	2013
6	6	8	9	10
			3.9%	4.2%

Allowed Rate

GRC Electric Acct Growth Rate

2014	2015	2016
0.65%	0.98%	1.20%

Source: Ex. SDG&E-31, Witness K. Schiermeyer

Avg Projected Fee \$ 8.00 \$ 8.00 \$ 7.00

Allowed Charges Rate

2014	2015	2016
0	0	0
-4.0%	-4.0%	-4.0%
-	-	-

Gross Charges with Fee Change

Projected:	Transactions			Charges		
	2014	2015	2016	2014	2015	2016
On 5 Yr Avg	29.3	29.6	30.0	\$ 234.53	\$ 236.83	\$ 209.72

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	233
2	2014 Estimated	225
3	2015 Estimated	227
4	2016 Test Year	201

Allowed Charge Rate -4.0%

Projected Net Charges	2014	2015	2016
	On 5 Yr	225.1	227.4

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 5: FERC ACCOUNT 451/456 DIRECT ACCESS (DA) FEES**

A) Description

Revenues from Direct Access (DA) fees include charges billed to Energy Service Providers (ESP's) for late payments, rebilling and other miscellaneous billing requests completed by SDG&E on behalf of ESP's. In addition, DA fees include metering charges billed to DA customers for installation of meters and monthly maintenance of SDG&E-owned meters.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded).

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
90	131	84	80	72	91

2014	2015	2016
0.00%	0.00%	0.00%
91	91	91

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	72
2	2014 Estimated	91
3	2015 Estimated	91
4	2016 Test Year	91

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 6: FERC ACCOUNT 451 COGENERATION REIMBURSEMENT**

A) Description

Cogeneration reimbursements reflect credits received from the billing of cogeneration and small power producers for reimbursement of utility operating and maintenance expenses for work performed by the utility at the customer's facilities.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded).

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
248	239	236	232	224	236

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
0.00%	0.00%	0.00%
236	236	236

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	224
2	2014 Estimated	236
3	2015 Estimated	236
4	2016 Test Year	236

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 7I: FERC ACCOUNT 451 OTHER SERVICE REVENUES**

A) Description

Other service revenues are primarily from temporary service work, but also include meter testing, special metering and billing charges, and other service charges.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded) adjusted by estimated annual customer growth for the period 2014- 2016.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG	
266	0	-73	-100	-41	10	Recorded
0	320	384	293	344	268	Prior Period Adj
266	320	311	193	303	279	Adjusted 5 YR Avg

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016	
0.65%	0.98%	1.20%	Source: Ex. SDG&E-31, Witness K. Schiermeyer
280	283	287	

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	(41)
2	2014 Estimated	280
3	2015 Estimated	283
4	2016 Test Year	287

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 7II: FERC ACCOUNT 451 OTHER SERVICE REVENUES**

A) Description

Customers may select a different due date (cycle) when their bill becomes due & payable.
50 - 100 customers.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded).

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
16	16	16	16	17	16

No growth rate applied. Preferred due date charges are customer requested action and not required.

2014	2015	2016
0.00%	0.00%	0.00%
16	16	16

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	17
2	2014 Estimated	16
3	2015 Estimated	16
4	2016 Test Year	16

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 7III: FERC ACCOUNT 451 OTHER SERVICE REVENUES**

A) Description

Customers choose to be billed on a cycle other than their normal billing cycle.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded).

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
26	26	26	26	25	26

No growth rate applied. Select a Cycle charges are based on customer requested action and not required.

2014	2015	2016
0.00%	0.00%	0.00%
26	26	26

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	25
2	2014 Estimated	26
3	2015 Estimated	26
4	2016 Test Year	26

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 7IV: FERC ACCOUNT 451 OTHER SERVICE REVENUES**

A) Description

Report detailing energy use in 15-min intervals for customers. with hourly interval meters using less than 500 kw demand.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded).

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
3	3	2	3	2	3

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
0.65%	0.98%	1.20%
3	3	3

Source: Ex. SDG&E-31, Witness K. Schiermeyer

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	2
2	2014 Estimated	3
3	2015 Estimated	3
4	2016 Test Year	3

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 8I: FERC ACCOUNT 454 RENT FROM ELECTRIC PROPERTY**

A) Description

Rent from electric property primarily reflects revenues received for the use of SDG&E operating sites, properties, licenses and right of ways. The amount recorded for rents exclude those properties allocated to SDG&E's electric transmission department.

B) Forecast Methodology

The forecast is based on existing lease & license agreements. The contracts have an annual increase provision with a fixed increase from 3% to 5%. Others increase by the CPI.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
1,482	1,468	1,452	1,386	1,411	1,440

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
3.00%	4.00%	4.00%
1,453	1,511	1,572

Average annual contract increase provision.

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	1,411
2	2014 Estimated	1,453
3	2015 Estimated	1,511
4	2016 Test Year	1,572

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 8II: FERC ACCOUNT 454 RENTS & LEASES**

A) Description

Leases & Licenses - Rent electric Property-Dist. Sub. (36)

Rent Electric Property - Distribution

B) Forecast Methodology

The forecast is based on existing lease & license agreements. The contracts have an annual increase provision with a fixed increase from 3% to 5%. Others increase by the CPI.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
69	121	113	48	51	80

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
3.00%	4.00%	4.00%
53	55	57

Average annual contract increase provision.

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	51
2	2014 Estimated	53
3	2015 Estimated	55
4	2016 Test Year	57

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 9: FERC ACCOUNT 454 SPECIAL FACILITY CHARGES**

A) Description

Revenues from special facilities reflect charges billed to customers for the installation, use and/or maintenance of facilities by the utility at the customer's request. Payments from customers are received in the form of either monthly increments, annual installments, or as one-time payments as selected by the customer.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009 - 2013 recorded) adjusted for the construction of a 12kV back-up circuit from SDG&E's Stuart Mesa substation to MCB Camp Pendleton's 12kV switchgear at the new Navy Hospital, Camp Pendleton.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
1,445	1,128	4,333	8,271	951	3,226
0	0	0	-7,516	0	-1,503
1,445	1,128	4,333	755	951	1,722

One-time project

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
0.00%	0.00%	0.00%
1,722	1,722	1,722

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	951
2	2014 Estimated	1,722
3	2015 Estimated	1,722
4	2016 Test Year	1,722

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 10: FERC ACCOUNT 454 CUSTOMER ADVANCES FOR CONSTRUCTION (CAC)**

A) Description

CAC revenue, also called "ownership cost deductions" reflects the amount of revenue, based on a fixed percentage, which can be taken by SDG&E as a reduction to CAC deposits on a monthly basis if the customer does not become eligible for refunds one (electric) to three (gas) years after SDG&E facilities are ready to provide service.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the 5-year historical average (2009 - 2013 recorded) adjusted for the electric ownership rate of 0.38% (previously 0.43% thru 8/2013). This decrease in rate is reflected in the 2014 and 2015 forecasts. New business growth rates for the period 2014 - 2016 are not expected to materially affect ownership cost revenues.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
1,513	742	814	452	601	824

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
-11.00%		
734	734	734

% adjustment for ownership rate [(.38 / .43) - 1]

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	601
2	2014 Estimated	734
3	2015 Estimated	734
4	2016 Test Year	734

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 11: FERC ACCOUNT 454 ELECTRIC RIGHT OF WAY FEES**

A) Description

Electric rights-of-way customer charges for Quit Claims of unused easements, Permission to Grade letters, Joint Use Agreements, Street Crossing Fees, Plan Review, Encroachment Removal Agreements, Right of Entry Permits, Consent Agreements or Right of Way Use Agreements.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded).

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
48	80	48	55	40	54

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
1.50%	1.50%	1.50%
55	56	57

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	40
2	2014 Estimated	55
3	2015 Estimated	56
4	2016 Test Year	57

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 12: FERC ACCOUNT 456 REVENUE CYCLE SERVICE (RCS) CREDITS**

A) Description

Pursuant to D.98-09-070, SDG&E was directed to provide credits to DA customer bill for those customers who elect to have metering and billing services from a party other than SDG&E. Since the RCS credits reduce the amount of revenue SDG&E is able to recover in electric distribution rates, the credits are recorded to account 456 as "negative" miscellaneous revenue, thereby increasing the revenue requirement.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded) escalated by an estimated 30% per year increase effective April 2014 and forward as DA reads are anticipated to increase.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
(221)	(227)	(231)	(240)	(254)	(235)

No growth rate applied. RCS credits are affected by other factors already assumed in the 5 year average.

2014	2015	2016	5 YR AVG	(235)
0.00%	0.00%	0.00%	30% Increase for 9 Mo	(287)
(235)	(235)	(235)	30% Increase for 12 Mo	(305)

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	(254)
2	2014 Estimated	(287)
3	2015 Estimated	(305)
4	2016 Test Year	(305)

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 13: FERC ACCOUNT 454/456 POLE ATTACHMENT FEES**

A) Description

Underground Conduit: Telecommunications use of SDG&E's existing conduits
Engineering Fees
Right-of-way
Distribution

B) Forecast Methodology

Distribution pole attachment fee - On January 21, 2011, SDG&E entered into a settlement agreement regarding distribution pole attachment fees (ref: Advice Letter 2225-E). The set fees for 2014-2016 are as follows: 2014-\$14.75, 2015-\$15.50, 2016-\$16.35. These fees are only applicable to those companies that signed the settlement agreement.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
187	182	181	201	209	192
1,231	2,135	1,353	1,353	1,265	1,467
1,418	2,317	1,534	1,554	1,474	1,659

GL 4371058, 4371059, 4351011

GL 4371057

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
192	192	192
1,280	1,345	1,419
1,472	1,537	1,611

GL 4371058, 4371059, 4351011

GL 4371057 **Tab 13a**

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	209
2	2014 Estimated	1,472
3	2015 Estimated	1,537
4	2016 Test Year	1,611

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 13A: DISTRIBUTION POLE CALCULATION**

Communication Infrastructure Provider (CIP)	Number of Distribution Poles at \$14.75/pole*	2014 Total
AT&T	4745	\$ 69,988.75
Crown Castle NextG West	5364	\$ 79,119.00
City of Encinitas	53	\$ 781.75
Cox Communications SD	60802	\$ 896,829.50
Cox Communications OC	1498	\$ 22,095.50
Cricket Communications	4	\$ 59.00
ExteNet Systems	499	\$ 7,360.25
Freedom Telecommunication	233	\$ 3,436.75
Level 3	13	\$ 383.11
Marine Corps Base	42	\$ 1,237.74
MCI	937	\$ 13,820.75
Mediacom	2101	\$ 30,989.75
Orion	680	\$ 10,030.00
Sunesys	94	\$ 1,386.50
Time Warner Cable	8971	\$ 132,322.25
T-Mobile	4	\$ 59.00
USA Cable	711	\$ 10,487.25
Total	86751	\$ 1,280,386.85

*Level 3 and Marine Corps Base did not sign the settlement agreement

Communication Infrastructure Provider (CIP)	Number of Distribution Poles at \$15.50/pole	2015 Total
AT&T	4745	\$ 73,547.50
Crown Castle NextG West	5364	\$ 83,142.00
City of Encinitas	53	\$ 821.50
Cox Communications SD	60802	\$ 942,431.00
Cox Communications OC	1498	\$ 23,219.00
Cricket Communications	4	\$ 62.00
ExteNet Systems	499	\$ 7,734.50
Freedom Telecommunication	233	\$ 3,611.50
Level 3	13	\$ 383.11
Marine Corps Base	42	\$ 1,237.74
MCI	937	\$ 14,523.50
Mediacom	2101	\$ 32,565.50
Orion	680	\$ 10,540.00
Sunesys	94	\$ 1,457.00
Time Warner Cable	8971	\$ 139,050.50
T-Mobile	4	\$ 62.00
USA Cable	711	\$ 11,020.50
Total	86751	\$ 1,345,408.85

Communication Infrastructure Provider (CIP)	Number of Distribution Poles at \$16.35/pole	2016 Total
AT&T	4745	\$ 77,580.75
Crown Castle NextG West	5364	\$ 87,701.40
City of Encinitas	53	\$ 866.55
Cox Communications SD	60802	\$ 994,112.70
Cox Communications OC	1498	\$ 24,492.30
Cricket Communications	4	\$ 65.40
ExteNet Systems	499	\$ 8,158.65
Freedom Telecommunication	233	\$ 3,809.55
Level 3	13	\$ 383.11
Marine Corps Base	42	\$ 1,237.74
MCI	937	\$ 15,319.95
Mediacom	2101	\$ 34,351.35
Orion	680	\$ 11,118.00
Sunesys	94	\$ 1,536.90
Time Warner Cable	8971	\$ 146,675.85
T-Mobile	4	\$ 65.40
USA Cable	711	\$ 11,624.85
Total	86751	\$ 1,419,100.45

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 14: SHARED ASSETS**

Shared Asset Information

Year	Electric	Gas	Total
2014	6,292	2,524	8,816
2015	5,812	2,332	8,144
2016	5,085	2,039	7,124

Source: RO Model

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 15: FERC ACCOUNT 456 FEDERAL ENERGY RETROFIT PROGRAM**

A) Description

Under Executive Order 13132, the US Government is authorized and encouraged to enter into contracts with local utilities to expedite and facilitate the implementation of cost effective energy and conservation measures. This is the electric portion of the Government Turnkey program.

B) Forecast Methodology

The 2014-2016 forecast is based on expected net revenues from existing contracts with various federal entities and level of financing allowable by US Government.

Profits Recorded (\$000)				Actual	
2009	2010	2011	2012	2013	5 YR AVG
2,045	1,505	1,154	929	780	1,283

Forecast Growth Rate of Non-Pay T/on Orders (Profit)

2014	2015	2016
See Notes	See Notes	See Notes
160	509	457

C) Summary of Results (Profits)

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	780
2	2014 Estimated	160
3	2015 Estimated	509
4	2016 Test Year	457

Notes:

Because of changes in Navy contracting, revenues from 2009 to 2013 have decreased by half. This downward trend is expected to continue through 2016. 2014 and 2015 profitability will be impacted significantly due to a slowdown in project contract volume and prior contract concessions.

Pricing pressure due to competitive market conditions have decreased profit margins.

Profit margins will decrease significantly 2014 and 2015, but are expected to rebound 2016

New Contracts are expected to complete in about 24 months vs. 12 - 18 months in prior years due to customer requirements regarding construction.

Costs to administer contracts have increased due to construction requirements.

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 16I: FERC ACCOUNT 456/495 OTHER MISCELLANEOUS REVENUES**

A) Description

The Environmental Laboratory is a State of California certified laboratory that utilizes approved methods to characterize primarily soil, water, and oil analysis. The laboratory also provides sampling support and consulting services.

B) Forecast Methodology

The 2014 through 2016 estimate is based on the loss of revenue from our major customer South Bay (Duke Energy) which was de-commissioned in 2011. Lower revenues may also be expected from Cabrillo power plant which is expected to wind-down as well. The two power plants represent a significant source of revenue for environmental services hence the significant decrease from 2009 to 2013.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG	
174	108	92	42	69	97	Electric
19	12	10	5	8	11	Gas
193	120	102	47	77	108	

2011	2012	2013	3 YR AVG
92	42	69	68
10	5	8	8
102	47	77	76

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
76	76	76

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	69
2	2014 Estimated	76
3	2015 Estimated	76
4	2016 Test Year	76

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 16II: FERC ACCOUNT 456 EMERGENCY SERVICES**

GL Account 4371083

A) Description

SRV-CAMP PENDLETON SERVICES - Emergency Restoration for Customer Owned Facilities (gas and electric) on MCB Camp Pendleton.

B) Forecast Methodology

Starting in 2014, the Navy will no longer contract services through the Emergency Services Agreement at Camp Pendleton.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
55	4	5	245	-2	61

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
0	0	0

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	(2)
2	2014 Estimated	0
3	2015 Estimated	0
4	2016 Test Year	0

Notes: 2012 included two non-recurring transactions (studies - \$192k and \$59k)

**SAN DIEGO GAS & ELECTRIC COMPANY
 MISCELLANEOUS REVENUES
 TAB 16III: FERC ACCOUNT 456 SHOP AND TESTING SERVICES**

A) Description

Kearny's Protective Equipment Testing (PET) Lab

B) Forecast Methodology

Kearny's Protective Equipment Testing (PET) Lab is not anticipating any revenue producing activities for the 2013 through 2016 business years. Due to budgetary constraints, our focus has concentrated on in-house testing procedures.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
15	11	14	6	0	9

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
0.00%	0.00%	0.00%
0	0	0

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	0
2	2014 Estimated	0
3	2015 Estimated	0
4	2016 Test Year	0

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 16IV: FERC ACCOUNT 456 LEASING OF EXCESS MICROWAVE COMMUNICATIONS**

A) Description

Leasing of excess microwave communications - Edison & Imperial Irrigation District
Electric - Transmission

B) Forecast Methodology

We have an existing contract with IID for leasing of this excess capacity at a rate of \$1438.51/mo. This was an update as of Jan. 2009 to reflect a reduction in the lease.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
-38	17	17	17	17	6

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
0.00%	0.00%	0.00%
17	17	17

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	17
2	2014 Estimated	17
3	2015 Estimated	17
4	2016 Test Year	17

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 17: FERC ACCOUNT 488 SERVICE ESTABLISHMENT CHARGES**

A) Description

Revenue collection from gas customers for establishment or reestablishment of service.

B) Forecast Methodology

The 2014-2015 forecast is calculated using base year actuals adjusted by estimated annual customer growth for the period, since full Smart Meter benefits were realized in 2013. The TY2016 forecast is based on the same forecast methodology for the transactions, however, using \$5 for non-fielded orders and \$25 for fielded orders in an effort to move towards cost based fees.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
2,459	2,125	1,455	1,407	1,329	1,755

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
0.84%	1.18%	1.41%
1,340	1,356	1,375

Source: Ex. SDG&E-32, Witness R. M. Payan

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	1,329
2	2014 Estimated	1,340
3	2015 Estimated	1,356
4	2016 Test Year	1,553

Tab 17a

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 17A: SERVICE ESTABLISHMENT CHARGES CALCULATION**

	2013 Actuals	2016 Forecast
Electric Meters	1,405,218	1,445,387
Gas Meter	861,573	891,506
Total Meters	2,266,791	2,336,893

		BASE YEAR 2013 ACTUALS		
FEE TYPE	CATEGORY	ELECTRIC	GAS	TOTAL
SORT *	Fielded (b)	15,919	19,867	35,786
REM ORDERS	Non-Fielded (a)	56,247	0	56,247
LATE POST	Non-Fielded (a)	1	0	1
NON FIELD	Non-Fielded (a)	382	84	466
DIST/CONST	Fielded (b)	5,152	0	5,152
BATCH CMPL	Non-Fielded (a)	351,720	199,880	551,600
GAS OPS	Fielded (b)	0	164	164
TOTAL ALL ORDERS		429,421	219,995	649,416
Total Non-Fielded		408,350	199,964	608,314
Total Fielded		21,071	20,031	41,102

* SORT Orders can be worked by Customer Service Field (CSF), Advanced Meter Operations (AMO), and Electric Troubleshooters

Base Year 2013 Actuals + 2016 Meter Growth by Meter Type				
		2016 FORECAST		
FEE TYPE	CATEGORY	ELECTRIC	GAS	TOTAL
SORT *	(b)	16,374	20,557	36,931
REM ORDERS	(a)	57,855	0	57,855
LATE POST	(a)	1	0	1
NON FIELD	(a)	393	87	480
DIST/CONST	(b)	5,299	0	5,299
BATCH CMPL	(a)	361,774	206,824	568,598
GAS OPS	(b)	0	170	170
TOTAL ALL ORDERS		441,696	227,638	669,334
Total Non-Fielded Orders	Sum (a)	420,023	206,911	626,934
Total Fielded Orders	Sum (b)	21,673	20,727	42,400
Non-Fielded Orders x \$5 Fee	Sum (a) x \$5	\$2,100	\$1,035	\$3,135
Increase in Remote Cut-Ins following Remote Disconnect (See SDGE-34-WP Tab 1a)		\$88	\$0	\$88
Sub-Total Non-Fielded Fees		\$2,188	\$1,035	\$3,223
Fielded Orders x \$25 Fee	Sum (b) x \$25	\$542	\$518	\$1,060
TOTAL SEC FEES		\$2,730	\$1,553	\$4,283

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 18: FERC ACCOUNT 488 LATE PAYMENT CHARGES (GAS)**

A) Description

Revenue from the charges assessed to commercial customers for delinquent payments.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009-2013 recorded) adjusted by estimated annual customer growth for the period 2014 - 2016.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
114	70	53	42	45	65

Forecast Growth Rate of Commercial/Industrial Accounts

2014	2015	2016
0.42%	0.58%	0.54%
65	65	66

Developed based on Ex. SDG&E-31, Table KS-1. Witness K. Schiermeyer

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	45
2	2014 Estimated	65
3	2015 Estimated	65
4	2016 Test Year	66

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 19I: FERC ACCOUNT 493 LEASES & LICENSES**

A) Description

Leases & Licenses - Rent Gas Property, Distribution (69)

B) Forecast Methodology

The forecast is based on existing lease & license agreements. The contracts have an annual increase provision with a fixed increase from 3% to 5%. Others increase by the CPI.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
-5	12	13	14	14	10

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
3.00%	4.00%	4.00%
14	15	16

Average annual contract increase provision.

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	14
2	2014 Estimated	14
3	2015 Estimated	15
4	2016 Test Year	16

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 19II: FERC ACCOUNT 493 RENT FROM GAS PROPERTY**

A) Description

Rent from gas property primarily reflects revenues received for the use of SDG&E operating sites, properties, licenses and right of ways.

B) Forecast Methodology

The forecast is based on existing lease & license agreements. The contracts have an annual increase provision with a fixed increase from 3% to 5%. Others increase by the CPI.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
3	3	4	4	4	4

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
3.00%	4.00%	4.00%
4	4	4

Average annual contract increase provision.

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	4
2	2014 Estimated	4
3	2015 Estimated	4
4	2016 Test Year	4

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 20: FERC ACCOUNT 495 CUSTOMER ADVANCES FOR CONSTRUCTION (CAC)**

A) Description

CAC revenue, also called "ownership cost deductions" reflects the amount of revenue, based on a fixed percentage, which can be taken by SDG&E as a reduction to CAC deposits on a monthly basis if the customer does not become eligible for refunds one (electric) to three (gas) years after SDG&E facilities are ready to provide service.

B) Forecast Methodology

The 2016 forecast is based on the calculation of the five-year historical average (2009 - 2013 recorded) adjusted for the gas ownership rate of 0.36% (previously 0.4% thru 1/2008). This decrease in rate is reflected in the 2014 and 2015 forecasts. New business growth rates for the period 2014 - 2016 are not expected to materially affect ownership cost revenues.

Recorded (\$000)

2009	2010	2011	2012	2013	5 YR AVG
180	67	81	63	88	96

2014	2015	2016
-10.00%		
86	86	86

% adjustment for ownership rate [(.36 / .40) - 1]

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	88
2	2014 Estimated	86
3	2015 Estimated	86
4	2016 Test Year	86

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 21: FERC ACCOUNT 495 FEDERAL GOVERNMENT RETROFIT REVENUE**

A) Description

Under Executive Order 13132, the US Government is authorized and encouraged to enter into contracts with local utilities to expedite and facilitate the implementation of cost effective energy and conservation measures. This is the Gas Revenue portion of the Government Turnkey Activities.

B) Forecast Methodology

The 2014-2016 forecast is based on expected net revenues from existing contracts with various federal entities and level of financing allowable by US Government.

Profits Recorded (\$000)					Actual
2009	2010	2011	2012	2013	5 YR AVG
492	364	275	227	194	310

Forecast Growth Rate of Non-Pay T/on Orders (Profits)

2014	2015	2016
See notes	See notes	See notes
65	208	186

C) Summary of Results (Profit)

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	194
2	2014 Estimated	65
3	2015 Estimated	208
4	2016 Test Year	186

Actual

Notes:

Because of changes in Navy contracting, revenues from 2009 to 2013 have decreased by half. This downward trend is expected to continue through 2016. 2014 and 2015 profitability will be impacted significantly due to a slowdown in project contract volume and prior contract concessions.

Pricing pressure due to competitive market conditions have decreased profit margins.

Profit margins will decrease significantly 2014 and 2015, but are expected to rebound 2016

New Contracts are expected to complete in about 24 months vs. 12 - 18 months in prior years due to customer requirements regarding construction.

Costs to administer contracts have increased due to construction requirements.

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 21A: FEDERAL ACCOUNTS - GOVERNMENTAL TURNKEY PROJECT PROFIT CALCULATION**

GRC Profits for 2014-2018 Backup

Billed & Unbilled Contract Value	Existing Contract Value (Burn Rate)	Revenue Recognition Burn Rate (New Contracts)					Orig Bal - Burn Rate	Beg Balance	Contract Adds	Revenue	End Balance
		2014	2015	2016	2017	2018					
12/31/2013	Beg Bal	(13,295,293)									
1/1/2014	1	(12,820,461)					(12,820,461)	(13,295,293)		474,832	(12,820,461)
2/1/2014	2	(12,345,629)					(12,345,629)	(12,820,461)		474,832	(12,345,629)
3/1/2014	3	(11,870,797)					(11,870,797)	(12,345,629)		474,832	(11,870,797)
4/1/2014	4	(11,395,965)	884,956				(10,511,010)	(11,870,797)	(10,000,000)	1,359,788	(20,511,010)
5/1/2014	5	(10,921,134)	884,956				(10,036,178)	(20,511,010)		1,359,788	(19,151,222)
6/1/2014	6	(10,446,302)	884,956				(9,561,346)	(19,151,222)		1,359,788	(17,791,434)
7/1/2014	7	(9,971,470)	884,956				(9,086,514)	(17,791,434)		1,359,788	(16,431,647)
8/1/2014	8	(9,496,638)	884,956				(8,611,682)	(16,431,647)		1,359,788	(15,071,859)
9/1/2014	9	(9,021,806)	884,956				(8,136,850)	(15,071,859)		1,359,788	(13,712,071)
10/1/2014	10	(8,546,974)	884,956				(7,662,018)	(13,712,071)		1,359,788	(12,352,284)
11/1/2014	11	(8,072,142)	884,956				(7,187,186)	(12,352,284)		1,359,788	(10,992,496)
12/1/2014	12	(7,597,310)	884,956				(6,712,355)	(10,992,496)		1,359,788	(9,632,709)
1/1/2015	13	(7,122,478)	884,956				(6,237,523)	(9,632,709)		1,359,788	(8,272,921)
2/1/2015	14	(6,647,646)	884,956				(5,762,691)	(8,272,921)		1,359,788	(6,913,133)
3/1/2015	15	(6,172,815)	884,956				(5,287,859)	(6,913,133)		1,359,788	(5,553,346)
4/1/2015	16	(5,697,983)	-				(5,697,983)	(5,553,346)		474,832	(5,078,514)
5/1/2015	17	(5,223,151)	-				(5,223,151)	(5,078,514)		808,165	(4,603,682)
6/1/2015	18	(4,748,319)	-	333,333			(4,414,986)	(4,603,682)	(8,000,000)	808,165	(11,795,517)
7/1/2015	19	(4,273,487)	-	333,333			(3,940,154)	(11,795,517)	-	808,165	(10,987,351)
8/1/2015	20	(3,798,655)	-	333,333			(3,465,322)	(10,987,351)		808,165	(10,179,186)
9/1/2015	21	(3,323,823)	-	333,333			(2,990,490)	(10,179,186)		808,165	(9,371,021)
10/1/2015	22	(2,848,991)	-	333,333			(2,515,658)	(9,371,021)		808,165	(8,562,856)
11/1/2015	23	(2,374,159)	-	333,333			(2,040,826)	(8,562,856)		808,165	(7,754,691)
12/1/2015	24	(1,899,328)	-	333,333			(1,565,994)	(7,754,691)		808,165	(6,946,525)
1/1/2016	25	(1,424,496)	-	333,333			(1,091,162)	(6,946,525)		808,165	(6,138,360)
2/1/2016	26	(949,664)	-	333,333			(616,330)	(6,138,360)		808,165	(5,330,195)
3/1/2016	27	(474,832)	-	333,333			(141,499)	(5,330,195)		808,165	(4,522,030)
4/1/2016	28	0		333,333			333,333	(4,522,030)		808,165	(3,713,864)
5/1/2016	29			333,333			333,333	(3,713,864)		333,333	(3,380,531)
6/1/2016	30			333,333	333,333		666,667	(3,380,531)	(8,000,000)	666,667	(10,713,864)
7/1/2016	31			333,333	333,333		666,667	(10,713,864)	-	666,667	(10,047,198)
8/1/2016	32			333,333	333,333		666,667	(10,047,198)		666,667	(9,380,531)
9/1/2016	33			333,333	333,333		666,667	(9,380,531)		666,667	(8,713,864)
10/1/2016	34			333,333	333,333		666,667	(8,713,864)		666,667	(8,047,198)
11/1/2016	35			333,333	333,333		666,667	(8,047,198)		666,667	(7,380,531)
12/1/2016	36			333,333	333,333		666,667	(7,380,531)		666,667	(6,713,864)
1/1/2017	37			333,333	333,333		666,667	(6,713,864)		666,667	(6,047,198)
2/1/2017	38			333,333	333,333		666,667	(6,047,198)		666,667	(5,380,531)
3/1/2017	39			333,333	333,333		666,667	(5,380,531)		666,667	(4,713,864)
4/1/2017	40			333,333	333,333		666,667	(4,713,864)		666,667	(4,047,198)
5/1/2017	41			333,333	333,333		666,667	(4,047,198)		666,667	(3,380,531)
6/1/2017	42			333,333	333,333	333,333	666,667	(3,380,531)	(8,000,000)	666,667	(10,713,864)
7/1/2017	43			333,333	333,333	333,333	666,667	(10,713,864)	-	666,667	(10,047,198)
8/1/2017	44			333,333	333,333	333,333	666,667	(10,047,198)		666,667	(9,380,531)
9/1/2017	45			333,333	333,333	333,333	666,667	(9,380,531)		666,667	(8,713,864)
10/1/2017	46			333,333	333,333	333,333	666,667	(8,713,864)		666,667	(8,047,198)
11/1/2017	47			333,333	333,333	333,333	666,667	(8,047,198)		666,667	(7,380,531)
12/1/2017	48			333,333	333,333	333,333	666,667	(7,380,531)		666,667	(6,713,864)
1/1/2018	49			333,333	333,333	333,333	666,667	(6,713,864)		666,667	(6,047,198)
2/1/2018	50			333,333	333,333	333,333	666,667	(6,047,198)		666,667	(5,380,531)
3/1/2018	51			333,333	333,333	333,333	666,667	(5,380,531)		666,667	(4,713,864)
4/1/2018	52			333,333	333,333	333,333	666,667	(4,713,864)		666,667	(4,047,198)
5/1/2018	53			333,333	333,333	333,333	666,667	(4,047,198)		666,667	(3,380,531)
6/1/2018	54			333,333	333,333	333,333	666,667	(3,380,531)	(8,000,000)	666,667	(10,713,864)
7/1/2018	55			333,333	333,333	333,333	666,667	(10,713,864)	-	666,667	(10,047,198)
8/1/2018	56			333,333	333,333	333,333	666,667	(10,047,198)		666,667	(9,380,531)
9/1/2018	57			333,333	333,333	333,333	666,667	(9,380,531)		666,667	(8,713,864)
10/1/2018	58			333,333	333,333	333,333	666,667	(8,713,864)		666,667	(8,047,198)
11/1/2018	59			333,333	333,333	333,333	666,667	(8,047,198)		666,667	(7,380,531)
12/1/2018	60			333,333	333,333	333,333	666,667	(7,380,531)		666,667	(6,713,864)
1/1/2019	61			333,333	333,333	333,333	666,667	(6,713,864)		666,667	(6,047,198)
2/1/2019	62			333,333	333,333	333,333	666,667	(6,047,198)		666,667	(5,380,531)
			10,619,469	8,000,000	8,000,000	7,000,000	3,000,000				
									(42,000,000)		

	Amount	Term (Months)	Total Revenue	Profit %	Total Profit	Gas Percentage	Gas Revenue	Gas Profit	Model	Revenue	100.00%
Pre 2014 Contracts			1,424,496	2.00%	28,490		413,104	8,262	Revenue	100.00%	
Contracts 2014	10,000,000	11.3	13,662,584	1.64%	224,584	29%	3,962,150	65,129	Cost	90.50%	
Contracts 2015	8,000,000	24	10,686,183	6.70%	715,974	29%	3,098,993	207,633	Profit	9.50%	
Contracts 2016	8,000,000	24	8,232,661	7.81%	642,971	29%	2,387,472	186,462	Disc	-1.81%	
Contracts 2017	8,000,000	24	8,000,000	7.81%	624,800	29%	2,320,000	181,192	Disc	-1.81%	
Contracts 2018	8,000,000	24	8,000,000	7.81%	624,800	29%	2,320,000	181,192	Net	5.88%	

Profits	Electric (71%)	Gas (29%)	Total
2013	639	261	900
GRC 2014	159	65	225
GRC 2015	508	208	716
GRC 2016	457	186	643
GRC 2017	444	181	625
GRC 2018	444	181	625

	Remain CV	Est Profit	PM	Gas Portion	Gas Profit
Other In Constr	5,775,332	548,657	9.50%	1,155,066	109,731
Phase 19/20	4,657,828	273,880	7.69%	2,566,299	197,348
Phase 17/18	6,981,736	536,895	5.88%	1,396,347	82,105
Total Unrec 9/30/13	17,414,896	1,359,432	7.81%	5,117,713	389,185

Gas Portion 29.39%

Year	Total Profit	Electric Profit	Gas Profit	Total Rev	Electric Rev	Gas Rev	Electric	Gas
2012	\$ 1,156,051	\$ 928,869	\$ 227,182	\$ 12,656,879	\$ 10,169,607	\$ 2,487,272	80.3%	19.7%
2011	\$ 1,428,774	\$ 1,154,000	\$ 274,765	\$ 9,529,024	\$ 7,696,514	\$ 1,832,510	80.8%	19.2%
2010	\$ 1,868,948	\$ 1,505,058	\$ 363,890	\$ 18,419,287	\$ 14,832,994	\$ 3,586,293	80.5%	19.5%
2009	\$ 2,537,445	\$ 2,045,864	\$ 491,581	\$ 24,495,272	\$ 19,749,787	\$ 4,745,485	80.6%	19.4%

**SAN DIEGO GAS & ELECTRIC COMPANY
MISCELLANEOUS REVENUES
TAB 22: FERC ACCOUNT 495 EMISSIONS CREDIT**

A) Description

Sale of various air emissions credit surplus to the needs of gas operations.

B) Forecast Methodology

Revenues from 2009-2011 were from surplus RECLAIM credits at Moreno Compressor Station. No revenues in 2012-2013 or in the future, as credit deficits, instead of surplus, have resulted since the shutdown of San Onofre Power Plant with Moreno experiencing higher operating rates.

Recorded (\$000)

2009	2010	2011	2012	2013
4	5	8	0	0

Forecast Growth Rate of Non-Pay T/on Orders

2014	2015	2016
0	0	0

C) Summary of Results

Line	Miscellaneous Revenue	Total (000's)
1	2013 Recorded	0
2	2014 Estimated	0
3	2015 Estimated	0
4	2016 Test Year	0