

San Diego Gas & Electric Company

Volume - 2

TO4 - Cycle 5

**Base Period and True-Up Period
Work Papers; HV-LV Plant Allocation
Study; Forecast Period Capital Additions
Work Papers; and Sunrise Expense
Summary**

November 30, 2017

Docket No. ER18- -

San Diego Gas & Electric Company

Volume - 2

TO4 - Cycle 5

**Base Period and True-Up Period
Work Papers; HV-LV Plant Allocation
Study; Forecast Period Capital Additions
Work Papers; and Sunrise Expense
Summary**

November 30, 2017

Docket No. ER18- -

San Diego Gas & Electric Company

Volume 2

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San Diego Gas & Electric Company

TO4 - Cycle 5

**Base Period
&
True-Up Period**

**Formula Cost
Statement
Workpapers**

Docket No. ER18-____ - ____

San Diego Gas & Electric Company

Base Period & True Up Period

Statement - AD Cost of Plant Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY

Statement AD - Workpapers

Cost of Plant

Base Period & True-Up Period 12 - Months Ending December 31, 2016

(\$1,000)

Line No	(a) 31-Dec-15	(b) 31-Dec-16	(c) = [(a)+(b)]/2 Average Balance	Reference	Line No
1	\$ 144,187	\$ 153,458	\$ 148,822	Stmt AD WP; Page AD-1; Line 3	1
2					2
3			556,128	Stmt AD WP; Page AD-2; Line 15	3
4					4
5			-	Stmt AD WP; Page AD-3; Line 15	5
6					6
7			-	Stmt AD WP; Page AD-4; Line 15	7
8					8
9			487,490	Stmt AD WP; Page AD-5; Line 15	9
10					10
11			\$ 1,192,440	Sum Lines 1 thru 9	11
12					12
13	5,777,309	6,085,652	5,931,480	Stmt AD WP; Page AD-6; Line 3	13
14					14
15			4,857,202	Stmt AD WP; Page AD-7; Line 15	15
16					16
17			-	Stmt AD WP; Page AD-8; Line 15	17
18					18
19			4,857,202	Sum Lines 15 thru 17	19
20					20
21	322,016	348,912	335,464	Stmt AD WP; Page AD-9; Line 3	21
22					22
23	723,524	774,886	749,205	Stmt AD WP; Page AD-10; Line 3	23
24					24
25			\$ 13,065,791	Sum Lines 11; 13; 19; 21; 23	25
26					26
27			17.52%	Statement AI; Line 19	27
28					28
29			\$ 4,857,202	See Line 19 Above	29
30					30
31			26,074	Line 1 x Line 27	31
32					32
33			58,773	Line 21 x Line 27	33
34					34
35			131,261	Line 23 x Line 27	35
36					36
37			\$ 5,073,310	Sum Lines 29; 31; 33; 35	37
38					38
39			38.83%	Line 37 / Line 25	39

^a The balances for Electric Miscellaneous Intangible, Distribution, General and Common plant are derived based on a simple average balance using beginning and ending year balances.

^b The balances for Steam, Nuclear, Hydraulic, Other Production, and Transmission plant are derived based on a 13-month average balance.

¹ Electric Miscellaneous Intangible Plant, General Plant, and Common Plant are not affected by the "Seven-Element Adjustment Factor" because there's no transfer of transmission or distribution plant among these categories.

² The amounts stated above are ratemaking utility plant in service and a result of implementing the "Seven-Element Adjustment Factor" which reflects transfers between generation and distribution functions.

³ The purpose of this footnote is to indicate for incentive projects the cost of the project.

⁴ Used to allocate all elements of working capital, other than working cash.

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

ELECTRIC MISCELLANEOUS INTANGIBLE PLANT

Line No.	Month	Adjusted FERC Intangible Plant Balance	Reference From	Line No.
1	Dec-15	\$ 144,187	I-wp2	1
2	Dec-16	153,458	I-wp1	2
3	Beginning and End Period Average	\$ 148,822		3

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)**

STEAM PRODUCTION

Line No.	Month	(1) Total Steam Production Per Book	Reference From	(2) Steam Production Ratemaking	Reference From	Line No.
1	Dec-15	\$ 536,500	SP-wp2	\$ 550,779	SP-wp2	1
2	Jan-16	536,509	"	550,788	"	2
3	Feb	536,559	"	550,839	"	3
4	Mar	536,933	"	551,943	"	4
5	Apr	542,402	"	557,412	"	5
6	May	537,217	"	552,227	"	6
7	Jun	537,285	"	552,294	"	7
8	Jul	537,544	"	552,553	"	8
9	Aug	544,691	"	559,701	"	9
10	Sep	546,317	"	561,327	"	10
11	Oct	547,085	"	562,095	"	11
12	Nov	548,597	"	563,601	"	12
13	Dec-16	549,102	SP-wp1	564,106	SP-wp1	13
14	Total 13 Months	\$ 7,036,740		\$ 7,229,665		14
15	13-Month Average Balance	\$ 541,288		\$ 556,128		15

Column 2 represents the monthly ratemaking plant balances for the base & true-up periods. These plant balances reflect the amounts shifted between functions (transmission to distribution, transmission to generation, distribution to transmission, etc.) as required by FERC Order 888: Seven-Element Adjustment Factor.

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)**

NUCLEAR PRODUCTION

Line No.	Month	(1) Total Nuclear Production Per Book	Reference From	(2) Nuclear Production Adjusted Book	Reference From	Line No.
1	Dec-15	\$ -		\$ -		1
2	Jan-16	-		-		2
3	Feb	-		-		3
4	Mar	-		-		4
5	Apr	-		-		5
6	May	-		-		6
7	Jun	-		-		7
8	Jul	-		-		8
9	Aug	-		-		9
10	Sep	-		-		10
11	Oct	-		-		11
12	Nov	-		-		12
13	Dec-16	-		-		13
14	Total 13 Months	\$ -		\$ -		14
15	13-Month Average Balance	\$ -		\$ -		15

Column 2 represents the monthly ratemaking plant balances for the base & true-up periods. These plant balances reflect the amounts shifted between functions (transmission to distribution, transmission to generation, distribution to transmission, etc.) as required by FERC Order 888: Seven-Element Adjustment Factor.

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)**

HYDRAULIC PRODUCTION PLANT

Line No.	Month	(1) Total Hydraulic Production Per Book	Reference From	(2) Hydraulic Production Adjusted Book	Reference From	Line No.
1	Dec-15	\$ -		\$ -		1
2	Jan-16	-		-		2
3	Feb	-		-		3
4	Mar	-		-		4
5	Apr	-		-		5
6	May	-		-		6
7	Jun	-		-		7
8	Jul	-		-		8
9	Aug	-		-		9
10	Sep	-		-		10
11	Oct	-		-		11
12	Nov	-		-		12
13	Dec-16	-		-		13
14	Total 13 Months	-		-		14
15	13-Month Average Balance	\$ -		\$ -		15

Column 2 represents the monthly ratemaking plant balances for the base & true-up periods. These plant balances reflect the amounts shifted between functions (transmission to distribution, transmission to generation, distribution to transmission, etc.) as required by FERC Order 888: Seven-Element Adjustment Factor.

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)**

OTHER PRODUCTION

Line No.	Month	(1) Total Other Production Per Book	Reference From	(2) Other Production Ratemaking	Reference From	Line No.
1	Dec-15	\$ 529,449	OP-wp2	\$ 485,991	OP-wp2	1
2	Jan-16	530,495	"	487,037	"	2
3	Feb	530,259	"	486,801	"	3
4	Mar	530,259	"	486,801	"	4
5	Apr	530,057	"	486,598	"	5
6	May	530,057	"	486,598	"	6
7	Jun	526,960	"	483,502	"	7
8	Jul	527,335	"	483,502	"	8
9	Aug	532,160	"	489,050	"	9
10	Sep	532,160	"	489,050	"	10
11	Oct	532,182	"	489,071	"	11
12	Nov	534,683	"	491,573	"	12
13	Dec-16	534,908	OP-wp1	491,797	OP-wp1	13
14	Total 13 Months	\$ 6,900,966		\$ 6,337,371		14
15	13-Month Average Balance	\$ 530,844		\$ 487,490		15

Column 2 represents the monthly ratemaking plant balances for the base & true-up periods. These plant balances reflect the amounts shifted between functions (transmission to distribution, transmission to generation, distribution to transmission, etc.) as required by FERC Order 888: Seven-Element Adjustment Factor.

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)**

DISTRIBUTION PLANT

Line No.	Month	(1) Total Distribution Plant Per Book	Reference From	(2) Distribution Plant Ratemaking	Reference From	Line No.
1	Dec-15	\$ 5,686,736	D-wp2	\$ 5,777,309	D-wp2	1
2	Dec-16	5,990,289	D-wp1	6,085,652	D-wp1	2
3	Beginning and End Period Average	\$ 5,838,513		\$ 5,931,480		3

Column 2 represents the monthly ratemaking plant balances for the base & true-up periods. These plant balances reflect the amounts shifted between functions (transmission to distribution, transmission to generation, distribution to transmission, etc.) as required by FERC Order 888: Seven-Element Adjustment Factor.

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

TRANSMISSION PLANT

Line No.	Month	(1) Total Transmission Plant Per Book	Reference From	(2) Transmission Plant Ratemaking	Reference From	Line No.
1	Dec-15	\$ 4,776,209	T-wp2	\$ 4,715,038	T-wp2	1
2	Jan-16	4,799,074	"	4,737,903	"	2
3	Feb	4,814,810	"	4,753,715	"	3
4	Mar	4,820,804	"	4,754,414	"	4
5	Apr	4,831,168	"	4,764,776	"	5
6	May	4,855,240	"	4,788,835	"	6
7	Jun	4,946,013	"	4,879,604	"	7
8	Jul	4,974,686	"	4,908,299	"	8
9	Aug	5,006,510	"	4,939,382	"	9
10	Sep	5,030,679	"	4,963,498	"	10
11	Oct	5,036,706	"	4,969,625	"	11
12	Nov	5,046,341	"	4,979,267	"	12
13	Dec-16	5,056,298	T-wp1	4,989,264	T-wp1	13
14	Total 13 Months	\$ 63,994,537		\$ 63,143,623		14
15	13-Month Average Balance	\$ 4,922,657		\$ 4,857,202		15

Column 2 represents the monthly ratemaking plant balances for the base & true-up periods. These plant balances reflect the amounts shifted between functions (transmission to distribution, transmission to generation, distribution to transmission, etc.) as required by FERC Order 888: Seven-Element Adjustment Factor.

SDG&E
TRANSMISSION FUNCTIONALIZATION STUDY
DERIVATION OF TRANSMISSION RELATED PLANT DOLLARS
 Balances as of 12/31/2015
 In Thousands

Line No.	Account	Description	(1) Total Transmission Account 101	(2) Generation Account 101 Plant Reclass as Transmission	(3) Distribution Account 101 Plant Reclass to Transmission	(4) Transmission Account 101 Plant Reclass Steam Prod.	(5) Transmission Account 101 Plant Reclass Other Prod.	(6) Transmission Account 101 Plant Reclass Nuclear	(7) Transmission Account 101 Plant Reclass as Distribution	(8) Total Transmission Plant Adjusted Book SUM 1:7
1	303.0	Production Related to Trans								
2	310.1	Intangibles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	340.0	Land	-	-	-	-	-	-	-	-
4	360.0	Land & Land Rights	-	5	-	-	-	-	-	5
5	361.0	Land & Land Rights Structures & Improvements	-	-	3,583	-	-	-	-	3,583
			-	-	1,067	-	-	-	-	1,067
6	TOTAL	TRANSMISSION RELATED	-	5	4,650	-	-	-	-	4,655
7	350.0	Land & Land Rights	224,057	-	-	-	-	-	(6,551)	217,506
8	352.0	Structures & Improvements	412,470	-	-	(1,928)	-	-	(40,798)	369,743
9	353.0	Station Equipment	1,265,685	-	-	(10,625)	(1,420)	-	(2,776)	1,250,863
10	354.0	Towers and Fixtures	895,636	-	-	-	-	-	-	895,636
11	355.0	Poles and Fixtures	431,072	-	-	-	-	-	-	431,072
12	356.0	OH Conductors and Device	547,078	-	-	-	-	-	-	547,078
13	357.0	Underground Conduit	335,357	-	-	-	-	-	-	335,357
14	358.0	UG Conductors & Devices	354,481	-	-	(1,726)	-	-	-	352,755
15	359.0	Roads & Trails	310,374	-	-	-	-	-	-	310,374
16	TOTAL	TRANSMISSION PLANT	4,776,209	-	-	(14,279)	(1,420)	-	(50,126)	4,710,384
17	RECLASS TRANS PLANT		\$ 4,776,209	\$ 5	\$ 4,650	\$ (14,279)	\$ (1,420)	\$ -	\$ (50,126)	\$ 4,715,038

These represents plant transfers to comply with FERC Order No. 888 and reflect the adjusted transmission plant balances.

SDG&E
TRANSMISSION FUNCTIONALIZATION STUDY
DERIVATION OF TRANSMISSION RELATED PLANT DOLLARS
 Balances as of 12/31/2016
 In Thousands

Line No.	Account	Description	(1) Total Transmission Account 101	(2) Generation Account 101 Plant Reclass as Transmission	(3) Distribution Account 101 Plant Reclass to Transmission	(4) Transmission Account 101 Plant Reclass Steam Prod.	(5) Transmission Account 101 Plant Reclass Other Prod.	(6) Transmission Account 101 Plant Reclass Nuclear	(7) Transmission Account 101 Plant Reclass as Distribution	(8) Total Transmission Plant Adjusted Book SUM 1:7
1	303.0	Production Related to Trans								
2	310.1	Intangibles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	340.0	Land & Land Rights	-	-	-	-	-	-	-	-
4	360.0	Land & Land Rights	-	5	3,579	-	-	-	-	3,579
5	361.0	Structures & Improvements	-	-	1,046	-	-	-	-	1,046
6	TOTAL	TRANSMISSION RELATED	-	5	4,625	-	-	-	-	4,630
7	350.0	Land & Land Rights	222,049	-	-	-	-	-	(6,551)	215,497
8	352.0	Structures & Improvements	477,013	-	-	(1,928)	-	-	(46,166)	428,918
9	353.0	Station Equipment	1,403,344	-	-	(11,349)	(1,420)	-	(2,521)	1,388,053
10	354.0	Towers and Fixtures	894,860	-	-	-	-	-	-	894,860
11	355.0	Poles and Fixtures	453,558	-	-	-	-	-	-	453,558
12	356.0	OH Conductors and Device	568,267	-	-	-	-	-	-	568,267
13	357.0	Underground Conduit	354,564	-	-	-	-	-	-	354,564
14	358.0	UG Conductors & Devices	372,786	-	-	(1,726)	-	-	-	371,060
15	359.0	Roads & Trails	309,857	-	-	-	-	-	-	309,857
16	TOTAL	TRANSMISSION PLANT	5,056,298	-	-	(15,004)	(1,420)	-	(55,239)	4,984,634
17	RECLASS TRANS PLANT		\$ 5,056,298	\$ 5	\$ 4,625	\$ (15,004)	\$ (1,420)	\$ -	\$ (55,239)	\$ 4,989,264

These represents plant transfers to comply with FERC Order No. 888 and reflect the adjusted transmission plant balances.

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)**

INCENTIVE TRANSMISSION PLANT

Line No.	Month	(1) Total Incentive Transmission Plant Per Book	Reference From	(2) Incentive Transmission Plant Ratemaking	Reference From	Line No.
1	Dec-15	\$ -		\$ -		1
2	Jan-16	-		-		2
3	Feb	-		-		3
4	Mar	-		-		4
5	Apr	-		-		5
6	May	-		-		6
7	Jun	-		-		7
8	Jul	-		-		8
9	Aug	-		-		9
10	Sep	-		-		10
11	Oct	-		-		11
12	Nov	-		-		12
13	Dec-16	-		-		13
14	Total 13 Months	-		-		14
15	13 - Month Average Balance	\$ -		\$ -		15

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

GENERAL PLANT

Line No.	Month	Adjusted FERC General Plant Balance	Reference From	Line No.
1	Dec-15	\$ 322,016	G-wp2	1
2	Dec-16	348,912	G-wp1	2
3	Beginning and End Period Average	\$ 335,464		3

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AD
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

COMMON PLANT

Line No.	Month	Total Common Plant to Electric Per Book	Reference From	Line No.
1	Dec-15	\$ 723,524	C-wp2	1
2	Dec-16	774,886	C-wp1	2
3	Beginning and End Period Average	\$ 749,205		3

San Diego Gas & Electric Company

Statement AD

**The following pages come from FERC
Form 1 & support the preceding
pages.**

Name of Respondent San Diego Gas & Electric Company	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2016/Q4
FOOTNOTE DATA			

Schedule Page: 204 Line No.: 104 Column: g

Reclassification of 2016 Electric Plant-in-Service for Ratemaking
Plant in Service Classified under FERC Seven Factor Test
In Accordance with Guidelines in FERC Order 888

	BOY 2016	EOY 2016
<u>Intangible Plant</u>	<u>144,186,514</u>	<u>153,458,222</u>
Steam Production Plant	550,778,966	564,106,118
Nuclear Production Plant	-	-
Other Production Plant	485,990,944	491,797,479
Transmission Plant	4,715,038,439	4,989,264,259
<u>Distribution Plant</u>	<u>5,777,308,880</u>	<u>6,085,651,797</u>
<u>General Plant</u>	<u>322,015,542</u>	<u>(348,911,866)</u>
Ratemaking Electric	11,995,319,291	12,633,189,735
ASC 410 (FAS 143 and FIN 47)	3,512,891	9,591,535
Cuyamaca Permanent Adjustment	14,105,025	14,105,025
Total Electric Plant-in-Service	12,012,937,207	12,656,886,295
Total 13-Month Average Plant Balance for 2016 - Steam Production		<u>556,128,077</u>
Total 13-Month Average Plant Balance for 2016 - Nuclear Production		<u>0</u>
Total 13-Month Average Plant Balance for 2016 - Other Production		<u>487,490,103</u>
Total 13-Month Average Plant Balance for 2016 - Transmission Plant		<u>4,857,201,759</u>

* As a result of the SONGS plant closure, the December 2016 Nuclear Production Plant Balance is zero.

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
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COMMON UTILITY PLANT AND EXPENSES

1. Describe the property carried in the utility's accounts as common utility plant and show the book cost of such plant at end of year classified by accounts as provided by Plant Instruction 13, Common Utility Plant, of the Uniform System of Accounts. Also show the allocation of such plant costs to the respective departments using the common utility plant and explain the basis of allocation used, giving the allocation factors.
2. Furnish the accumulated provisions for depreciation and amortization at end of year, showing the amounts and classifications of such accumulated provisions, and amounts allocated to utility departments using the Common utility plant to which such accumulated provisions relate, including explanation of basis of allocation and factors used.
3. Give for the year the expenses of operation, maintenance, rents, depreciation, and amortization for common utility plant classified by accounts as provided by the Uniform System of Accounts. Show the allocation of such expenses to the departments using the common utility plant to which such expenses are related. Explain the basis of allocation used and give the factors of allocation.
4. Give date of approval by the Commission for use of the common utility plant classification and reference to order of the Commission or other authorization.

	<u>2015</u>	<u>2016</u>
Total Common Plant	Σ① 952,506,788	Σ② 1,028,928,617
Electric Share (see AD-12A & 12B)	<u>75.96%</u>	<u>75.31%</u>
Common Plant - Electric	723,524,156	774,886,142

Account	Balance Beg. of Year	Additions	Retire From Serv.	Adjs.	Transfers	Balance End of Year
303 Misc. Intangible Plant	324,138,257	69,884,907				394,023,164
389 Land & Land Rights	8,249,876	(223,577)				8,026,299
390 Structures & Improvements	338,543,493	10,498,602	471,650			348,570,445
391 Office Furniture & Equipment	80,424,337	11,004,051	9,425,147			82,003,241
392 Transportation Equipment	46,139	374,323				420,462
393 Stores Equipment	63,971		5,030			58,941
394 Tools, Shop & Garage Equip.	2,541,508	612,871	104,523			3,049,856
395 Laboratory Equipment	1,997,979	124,000	26,524			2,095,455
396 Power Operated Equipment						
397 Communication Equipment	194,213,409	3,750,576	9,729,860			188,234,125
398 Miscellaneous Equipment	2,287,819	1,244,214	1,085,404			2,446,629
FIN 47 ARC - Common	3,453,407			854,097		4,307,504
Fleet Capital Lease	20,189,056	581,250	39,513			20,730,793
TOTAL COMMON PLANT	976,149,251	97,851,217	20,887,651	854,097		1,053,966,914
Construction Work in Progress	77,342,798	49,161,081				126,503,879
TOTAL COMMON PLANT	1,053,492,049	147,012,298	20,887,651	854,097		1,180,470,793

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of <u>2015/Q4</u>
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COMMON UTILITY PLANT AND EXPENSES

- Describe the property carried in the utility's accounts as common utility plant and show the book cost of such plant at end of year classified by accounts as provided by Plant Instruction 13, Common Utility Plant, of the Uniform System of Accounts. Also show the allocation of such plant costs to the respective departments using the common utility plant and explain the basis of allocation used, giving the allocation factors.
- Furnish the accumulated provisions for depreciation and amortization at end of year, showing the amounts and classifications of such accumulated provisions, and amounts allocated to utility departments using the Common utility plant to which such accumulated provisions relate, including explanation of basis of allocation and factors used.
- Give for the year the expenses of operation, maintenance, rents, depreciation, and amortization for common utility plant classified by accounts as provided by the Uniform System of Accounts. Show the allocation of such expenses to the departments using the common utility plant to which such expenses are related. Explain the basis of allocation used and give the factors of allocation.
- Give date of approval by the Commission for use of the common utility plant classification and reference to order of the Commission or other authorization.

ACCOUNT	December 31, 2015 Accumulated Depreciation
303 Misc. Intangible Plant	208,007,908
389 Land & Land Rights	27,776
390 Structures & Improvements	137,925,564
391 Office Furniture & Equipment	46,106,070
392 Transportation Equipment	(334,610)
393 Stores Equipment	49,449
394 Tools, Shop & Garage Equipment	638,702
395 Laboratory Equipment	918,761
396 Power Operated Equipment	(192,979)
397 Communication Equipment	70,998,629
398 Miscellaneous Equipment	1,472,662
108.4 Retirement Work in Progress	
FTN 47 Accumulated Depreciation	(26,068)
Fleet Capital Lease	19,590,319
Total Accumulated Depreciation	485,182,183

Split of Common Utility Plant

to Departments: (excluding CWIP) (see Note 2- Page 356.2)

		December 31, 2015	
		Balance End of Year	Accumulated Depreciation
Electric	75.96%	741,482,971	368,544,386
Gas	24.04%	234,666,280	116,637,797
Total	100.00%	976,149,251	485,182,183

See AD-12

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of <u>2016/Q4</u>
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COMMON UTILITY PLANT AND EXPENSES

- Describe the property carried in the utility's accounts as common utility plant and show the book cost of such plant at end of year classified by accounts as provided by Plant Instruction 13, Common Utility Plant, of the Uniform System of Accounts. Also show the allocation of such plant costs to the respective departments using the common utility plant and explain the basis of allocation used, giving the allocation factors.
- Furnish the accumulated provisions for depreciation and amortization at end of year, showing the amounts and classifications of such accumulated provisions, and amounts allocated to utility departments using the Common utility plant to which such accumulated provisions relate, including explanation of basis of allocation and factors used.
- Give for the year the expenses of operation, maintenance, rents, depreciation, and amortization for common utility plant classified by accounts as provided by the Uniform System of Accounts. Show the allocation of such expenses to the departments using the common utility plant to which such expenses are related. Explain the basis of allocation used and give the factors of allocation.
- Give date of approval by the Commission for use of the common utility plant classification and reference to order of the Commission or other authorization.

ACCOUNT	December 31, 2016 Accumulated Depreciation
303 Misc. Intangible Plant	252,892,419
389 Land & Land Rights	27,776
390 Structures & Improvements	148,905,865
391 Office Furniture & Equipment	45,516,310
392 Transportation Equipment	(288,808)
393 Stores Equipment	45,602
394 Tools, Shop & Garage Equipment	717,021
395 Laboratory Equipment	982,941
396 Power Operated Equipment	(192,979)
397 Communication Equipment	75,536,327
398 Miscellaneous Equipment	462,082
108.4 Retirement Work in Progress	
FIN 47 Accumulated Depreciation	2,240,710
Fleet Capital Lease	20,361,830
	<hr/>
Total Accumulated Depreciation	547,207,096 =====

Split of Common Utility Plant

to Departments: (excluding CWIP) (see Note 2- Page 356.2)

		December 31, 2016	
		Balance End of Year	Accumulated Depreciation
<u>Electric</u>	75.31%	793,742,483	412,101,664
Gas	24.69%	260,224,431	135,105,432
		<hr/>	<hr/>
Total	100.00%	1,053,966,914	547,207,096 =====

See AD-12

Name of Respondent		This Report Is:	Date of Report	Year/Period of Report
San Diego Gas & Electric Company		(1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	(Mo, Da, Yr) / /	End of 2016/Q4
ELECTRIC PLANT IN SERVICE (Account 101, 102, 103 and 106) (Continued)				
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	
47	3. TRANSMISSION PLANT			
48	(350) Land and Land Rights	224,057,476		-1,176,931
49	(352) Structures and Improvements	412,470,195		64,442,500
50	(353) Station Equipment	1,265,684,542		148,566,653
51	(354) Towers and Fixtures	895,635,745		-775,330
52	(355) Poles and Fixtures	431,071,958		25,078,087
53	(356) Overhead Conductors and Devices	547,078,033		21,655,047
54	(357) Underground Conduit	335,356,804		19,207,286
55	(358) Underground Conductors and Devices	354,481,023		18,304,890
56	(359) Roads and Trails	310,373,620		-516,288
57	(359.1) Asset Retirement Costs for Transmission Plant	52,868		
58	TOTAL Transmission Plant (Enter Total of lines 48 thru 57)	4,776,262,267		294,785,914
59	4. DISTRIBUTION PLANT			
60	(360) Land and Land Rights	99,774,974		1,528,947
61	(361) Structures and Improvements	4,156,270		632,301
62	(362) Station Equipment	474,266,942		24,545,646
63	(363) Storage Battery Equipment	37,636,496		626,387
64	(364) Poles, Towers, and Fixtures	638,732,141		41,987,674
65	(365) Overhead Conductors and Devices	553,209,208		65,814,148
66	(366) Underground Conduit	1,106,243,678		77,055,668
67	(367) Underground Conductors and Devices	1,424,296,789		60,691,737
68	(368) Line Transformers	595,325,037		42,468,671
69	(369) Services	468,215,461		22,102,203
70	(370) Meters	248,876,974		1,765,998
71	(371) Installations on Customer Premises	7,987,154		650,626
72	(372) Leased Property on Customer Premises			
73	(373) Street Lighting and Signal Systems	28,014,823		1,727,739
74	(374) Asset Retirement Costs for Distribution Plant	2,080,172		
75	TOTAL Distribution Plant (Enter Total of lines 60 thru 74)	5,688,816,119		341,597,745
76	5. REGIONAL TRANSMISSION AND MARKET OPERATION PLANT			
77	(380) Land and Land Rights			
78	(381) Structures and Improvements			
79	(382) Computer Hardware			
80	(383) Computer Software			
81	(384) Communication Equipment			
82	(385) Miscellaneous Regional Transmission and Market Operation Plant			
83	(386) Asset Retirement Costs for Regional Transmission and Market Oper			
84	TOTAL Transmission and Market Operation Plant (Total lines 77 thru 83)			
85	6. GENERAL PLANT			
86	(389) Land and Land Rights	7,312,143		
87	(390) Structures and Improvements	32,507,793		1,422,218
88	(391) Office Furniture and Equipment			
89	(392) Transportation Equipment	58,146		
90	(393) Stores Equipment	8,546		
91	(394) Tools, Shop and Garage Equipment	24,410,492		1,814,320
92	(395) Laboratory Equipment	5,152,838		-732
93	(396) Power Operated Equipment	60,529		
94	(397) Communication Equipment	247,914,568		23,308,614
95	(398) Miscellaneous Equipment	4,590,487		1,209,098
96	SUBTOTAL (Enter Total of lines 86 thru 95)	322,015,542		27,753,518
97	(399) Other Tangible Property			
98	(399.1) Asset Retirement Costs for General Plant			
99	TOTAL General Plant (Enter Total of lines 96, 97 and 98)	322,015,542		27,753,518
100	TOTAL (Accounts 101 and 106)	12,012,937,207		687,192,106
101	(102) Electric Plant Purchased (See Instr. 8)			
102	(Less) (102) Electric Plant Sold (See Instr. 8)			
103	(103) Experimental Plant Unclassified			
104	TOTAL Electric Plant in Service (Enter Total of lines 100 thru 103)	12,012,937,207		687,192,106

Name of Respondent San Diego Gas & Electric Company		This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission		Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
ELECTRIC PLANT IN SERVICE (Account 101, 102, 103 and 106) (Continued)					
Retirements (d)	Adjustments (e)	Transfers (f)	Balance at End of Year (g)		Line No.
					47
	-832,000		222,048,545		48
399,612		499,589	477,012,672		49
10,405,959		-501,433	1,403,343,803		50
			894,860,415		51
2,329,678	-262,700		453,557,667		52
466,006			568,267,074		53
			354,664,090		54
			372,785,913		55
			309,857,332		56
	1,263,990		1,316,858		57
13,601,255	169,290	-1,844	5,057,614,369		58
					59
68,721	46,188		101,281,388		60
104,150			4,684,421		61
1,068,921			497,743,667		62
			38,262,883		63
9,088,436	-396,423		671,234,956		64
6,058,248	-699,349		612,265,759		65
2,770,395	-1,348,136		1,179,180,815		66
7,457,699	-21,123		1,477,509,704		67
5,576,885			632,216,823		68
1,826,852	-1,785		488,489,027		69
1,477,653			249,165,319		70
20,863			8,616,917		71
					72
105,038			29,637,524		73
	5,969,590		8,049,762		74
35,623,861	3,548,962		5,998,338,965		75
					76
					77
					78
					79
					80
					81
					82
					83
					84
					85
			7,312,143		86
449,415			33,480,596		87
					88
			58,146		89
			8,546		90
266,570			25,958,242		91
			5,152,106		92
			60,529		93
136,782	-6,272	1,847	271,081,975		94
			5,799,585		95
852,767	-6,272	1,847	348,911,868		96
					97
					98
852,767	-6,272	1,847	348,911,868		99
51,986,661	8,655,678	87,965	12,656,886,295		100
					101
					102
					103
51,986,661	8,655,678	87,965	12,656,886,295		104

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Dec-15 Balance Beg. Of Year	2 Jan-16 Additions	3 Jan-16 Retirements	4 Jan-16 Adjustments ^c	6 Jan-16 Transfers	7 (Sum Col 1:6) Jan-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 224,057,476	17,629	\$ -	\$ -	-	\$ 224,075,105	2
3	(352)	Structures and Improvements	412,470,195	5,071,161	(13,823)	-	-	417,527,533	3
4	(353)	Station Equipment	1,265,684,542	13,750,378	(621,825)	-	-	1,278,813,095	4
5	(354)	Towers and Fixtures	895,635,745	20,450	-	-	-	895,656,195	5
6	(355)	Poles and Fixtures	431,071,958	709,855	(94,780)	(262,700)	-	431,424,333	6
7	(356)	Overhead Conductors and Devices	547,078,033	343,161	(2,374)	-	-	547,418,820	7
8	(357)	Underground Conduit	335,356,804	3,544,170	-	-	-	338,900,974	8
9	(358)	Underground Conductors and Devices	354,481,023	397,894	-	-	-	354,878,917	9
10	(359)	Roads and Trails	310,373,620	5,583	-	-	-	310,379,203	10
11									11
12		SUBTOTAL Transmission Plant^A	4,776,209,396	23,860,281	(732,802)	(262,700)	-	4,799,074,175	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - January 2016	\$ 4,776,262,264	\$ 23,860,281	\$ (732,802)	\$ (262,700)	\$ -	\$ 4,799,127,043	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21
22	^C	The adjustment to FERC 355 is the reversal of a December 2015 top-side entry to reclass dollars from CWIP to Plant.							22
23									23

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Jan-16 Balance Beg. Of Year	2 Feb-16 Additions	3 Feb-16 Retirements	4 Feb-16 Adjustments	6 Feb-16 Transfers	7 (Sum Col 1:6) Feb-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 224,075,105	-	\$ -	\$ -	-	\$ 224,075,105	2
3	(352)	Structures and Improvements	417,527,533	4,313,434	(150,416)	-	-	421,690,551	3
4	(353)	Station Equipment	1,278,813,095	5,172,063	(97,570)	-	-	1,283,887,588	4
5	(354)	Towers and Fixtures	895,656,195	(221,795)	-	-	-	895,434,400	5
6	(355)	Poles and Fixtures	431,424,333	2,142,528	(77,237)	-	-	433,489,624	6
7	(356)	Overhead Conductors and Devices	547,418,820	656,964	(8,987)	-	-	548,066,797	7
8	(357)	Underground Conduit	338,900,974	126,757	-	-	-	339,027,731	8
9	(358)	Underground Conductors and Devices	354,878,917	3,471,518	-	-	-	358,350,435	9
10	(359)	Roads and Trails	310,379,203	408,652	-	-	-	310,787,855	10
11									11
12		SUBTOTAL Transmission Plant ^A	4,799,074,175	16,070,121	(334,210)	-	-	4,814,810,086	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - February 2016	\$ 4,799,127,043	\$ 16,070,121	\$ (334,210)	\$ -	\$ -	\$ 4,814,862,954	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Feb-16 Balance Beg. Of Year	2 Mar-16 Additions	3 Mar-16 Retirements	4 Mar-16 Adjustments	6 Mar-16 Transfers	7 (Sum Col 1:6) Mar-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 224,075,105	\$ (8,790)	\$ -	\$ -	\$ -	\$ 224,066,315	2
3	(352)	Structures and Improvements	421,690,551	260,752	(56,514)	-	-	421,894,789	3
4	(353)	Station Equipment	1,283,887,588	4,456,953	(313,872)	-	-	1,288,030,669	4
5	(354)	Towers and Fixtures	895,434,400	17,387	-	-	-	895,451,787	5
6	(355)	Poles and Fixtures	433,489,624	750,558	(267,037)	-	-	433,973,145	6
7	(356)	Overhead Conductors and Devices	548,066,797	507,733	-	-	-	548,574,530	7
8	(357)	Underground Conduit	339,027,731	(242,404)	-	-	-	338,785,327	8
9	(358)	Underground Conductors and Devices	358,350,435	882,338	-	-	-	359,232,773	9
10	(359)	Roads and Trails	310,787,855	6,703	-	-	-	310,794,558	10
11									11
12		SUBTOTAL Transmission Plant ^A	4,814,810,086	6,631,230	(637,423)	-	-	4,820,803,893	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - March 2016	\$ 4,814,862,954	\$ 6,631,230	\$ (637,423)	\$ -	\$ -	\$ 4,820,856,761	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Mar-16 Balance Beg. Of Year	2 Apr-16 Additions	3 Apr-16 Retirements	4 Apr-16 Adjustments	6 Apr-16 Transfers	7 (Sum Col 1:6) Apr-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 224,066,315	\$ (8,800)	\$ -	\$ -	\$ -	\$ 224,057,515	2
3	(352)	Structures and Improvements	421,894,789	3,379,012	-	-	-	425,273,801	3
4	(353)	Station Equipment	1,288,030,669	6,154,605	(154,884)	-	-	1,294,030,390	4
5	(354)	Towers and Fixtures	895,451,787	14,932	-	-	-	895,466,719	5
6	(355)	Poles and Fixtures	433,973,145	636,329	(151,925)	-	-	434,457,549	6
7	(356)	Overhead Conductors and Devices	548,574,530	472,485	(69,284)	-	-	548,977,731	7
8	(357)	Underground Conduit	338,785,327	34,416	-	-	-	338,819,743	8
9	(358)	Underground Conductors and Devices	359,232,773	57,073	-	-	-	359,289,846	9
10	(359)	Roads and Trails	310,794,558	(61)	-	-	-	310,794,497	10
11									11
12		SUBTOTAL Transmission Plant ^A	4,820,803,893	10,739,991	(376,093)	-	-	4,831,167,791	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - April 2016	\$ 4,820,856,761	\$ 10,739,991	\$ (376,093)	\$ -	\$ -	\$ 4,831,220,659	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Apr-16 Balance Beg. Of Year	2 May-16 Additions	3 May-16 Retirements	4 May-16 Adjustments	6 May-16 Transfers ^c	7 (Sum Col 1:6) May-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 224,057,515	-	\$ -	-	\$ -	224,057,515	2
3	(352)	Structures and Improvements	425,273,801	10,803,634	-	-	-	436,077,435	3
4	(353)	Station Equipment	1,294,030,390	11,955,198	(185,866)	-	(1,844)	1,305,797,878	4
5	(354)	Towers and Fixtures	895,466,719	2,369	-	-	-	895,469,088	5
6	(355)	Poles and Fixtures	434,457,549	666,305	(209,950)	-	-	434,913,904	6
7	(356)	Overhead Conductors and Devices	548,977,731	641,334	-	-	-	549,619,065	7
8	(357)	Underground Conduit	338,819,743	193,108	-	-	-	339,012,851	8
9	(358)	Underground Conductors and Devices	359,289,846	206,933	-	-	-	359,496,779	9
10	(359)	Roads and Trails	310,794,497	1,148	-	-	-	310,795,645	10
11									11
12		SUBTOTAL Transmission Plant^A	4,831,167,791	24,470,029	(395,816)	-	(1,844)	4,855,240,160	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16	5	TOTAL Transmission Plant - May 2016	\$ 4,831,220,659	\$ 24,470,029	\$ (395,816)	\$ -	\$ (1,844)	\$ 4,855,293,028	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21
22	^C	The transfer is related to a unitization correction between utility accounts.							22
23									23

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 May-16 Balance Beg. Of Year	2 Jun-16 Additions	3 Jun-16 Retirements	4 Jun-16 Adjustments	6 Jun-16 Transfers	7 (Sum Col 1:6) Jun-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 224,057,515	\$ (1,662,538)	\$ -	\$ -	\$ -	\$ 222,394,977	2
3	(352)	Structures and Improvements	436,077,435	25,130,237	-	-	-	461,207,672	3
4	(353)	Station Equipment	1,305,797,878	51,415,677	(61,972)	-	-	1,357,151,583	4
5	(354)	Towers and Fixtures	895,469,088	(103,031)	-	-	-	895,366,057	5
6	(355)	Poles and Fixtures	434,913,904	3,697,773	(176,552)	-	-	438,435,125	6
7	(356)	Overhead Conductors and Devices	549,619,065	3,192,821	(73,288)	-	-	552,738,598	7
8	(357)	Underground Conduit	339,012,851	4,600,969	-	-	-	343,613,820	8
9	(358)	Underground Conductors and Devices	359,496,779	4,790,682	-	-	-	364,287,461	9
10	(359)	Roads and Trails	310,795,645	21,574	-	-	-	310,817,219	10
11									11
12		SUBTOTAL Transmission Plant ^A	4,855,240,160	91,084,164	(311,812)	-	-	4,946,012,512	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - June 2016	\$ 4,855,293,028	\$ 91,084,164	\$ (311,812)	\$ -	\$ -	\$ 4,946,065,380	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Jun-16 Balance Beg. Of Year	2 Jul-16 Additions	3 Jul-16 Retirements	4 Jul-16 Adjustments	6 Jul-16 Transfers	7 (Sum Col 1:6) Jul-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 222,394,977	\$ -	\$ -	\$ -	\$ -	\$ 222,394,977	2
3	(352)	Structures and Improvements	461,207,672	3,285,358	-	-	-	464,493,030	3
4	(353)	Station Equipment	1,357,151,583	14,361,527	(62,411)	-	-	1,371,450,699	4
5	(354)	Towers and Fixtures	895,366,057	-	-	-	-	895,366,057	5
6	(355)	Poles and Fixtures	438,435,125	2,278,642	(455,855)	-	-	440,257,912	6
7	(356)	Overhead Conductors and Devices	552,738,598	1,858,887	(43,043)	-	-	554,554,442	7
8	(357)	Underground Conduit	343,613,820	5,033,910	-	-	-	348,647,730	8
9	(358)	Underground Conductors and Devices	364,287,461	3,314,036	-	-	-	367,601,497	9
10	(359)	Roads and Trails	310,817,219	(897,379)	-	-	-	309,919,840	10
11									11
12		SUBTOTAL Transmission Plant ^A	4,946,012,512	29,234,981	(561,309)	-	-	4,974,686,184	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - July 2016	\$ 4,946,065,380	\$ 29,234,981	\$ (561,309)	\$ -	\$ -	\$ 4,974,739,052	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Jul-16 Balance Beg. Of Year	2 Aug-16 Additions	3 Aug-16 Retirements	4 Aug-16 Adjustments	6 Aug-16 Transfers	7 (Sum Col 1:6) Aug-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 222,394,977	\$ -	\$ -	\$ -	\$ -	\$ 222,394,977	2
3	(352)	Structures and Improvements	464,493,030	6,498,528	(77,868)	-	-	470,913,690	3
4	(353)	Station Equipment	1,371,450,699	18,057,723	(7,688,802)	-	-	1,381,819,620	4
5	(354)	Towers and Fixtures	895,366,057	8,849	-	-	-	895,374,906	5
6	(355)	Poles and Fixtures	440,257,912	2,696,741	(184,045)	-	-	442,770,608	6
7	(356)	Overhead Conductors and Devices	554,554,442	7,695,125	(42,185)	-	-	562,207,382	7
8	(357)	Underground Conduit	348,647,730	2,311,023	-	-	-	350,958,753	8
9	(358)	Underground Conductors and Devices	367,601,497	2,448,524	-	-	-	370,050,021	9
10	(359)	Roads and Trails	309,919,840	99,978	-	-	-	310,019,818	10
11									11
12		SUBTOTAL Transmission Plant ^A	4,974,686,184	39,816,491	(7,992,900)	-	-	5,006,509,775	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - August 2016	\$ 4,974,739,052	\$ 39,816,491	\$ (7,992,900)	\$ -	\$ -	\$ 5,006,562,643	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Aug-16 Balance Beg. Of Year	2 Sep-16 Additions	3 Sep-16 Retirements	4 Sep-16 Adjustments ^c	6 Sep-16 Transfers ^d	7 (Sum Col 1:6) Sep-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 222,394,977	\$ 313,706	\$ -	\$ (832,000)	\$ -	\$ 221,876,683	2
3	(352)	Structures and Improvements	470,913,690	491,512	(15,941)	-	499,587	471,888,848	3
4	(353)	Station Equipment	1,381,819,620	4,237,167	(437,572)	-	(499,587)	1,385,119,628	4
5	(354)	Towers and Fixtures	895,374,906	413,445	-	-	-	895,788,351	5
6	(355)	Poles and Fixtures	442,770,608	9,644,081	(114,022)	-	-	452,300,667	6
7	(356)	Overhead Conductors and Devices	562,207,382	5,760,694	(108,228)	-	-	567,859,848	7
8	(357)	Underground Conduit	350,958,753	2,864,411	-	-	-	353,823,164	8
9	(358)	Underground Conductors and Devices	370,050,021	1,931,163	-	-	-	371,981,184	9
10	(359)	Roads and Trails	310,019,818	20,890	-	-	-	310,040,708	10
11									11
12		SUBTOTAL Transmission Plant^a	5,006,509,775	25,677,069	(675,763)	(832,000)	-	5,030,679,081	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^b	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - September 2016	\$ 5,006,562,643	\$ 25,677,069	\$ (675,763)	\$ (832,000)	\$ -	\$ 5,030,731,949	16
17									17
18	^a	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^b	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles). These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							20
21									21
22	^c	The adjustment to FERC 350 is related to a credit received for easement activity that was credited back to plant-in-service.							22
23									23
24	^d	The transfer is related to a unitization correction between utility accounts.							24
25									25

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Sep-16 Balance Beg. Of Year	2 Oct-16 Additions	3 Oct-16 Retirements	4 Oct-16 Adjustments	6 Oct-16 Transfers	7 (Sum Col 1:6) Oct-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 221,876,683	\$ 167,292	\$ -	\$ -	\$ -	\$ 222,043,975	2
3	(352)	Structures and Improvements	471,888,848	276,320	-	-	-	472,165,168	3
4	(353)	Station Equipment	1,385,119,628	4,313,601	(499,688)	-	-	1,388,933,541	4
5	(354)	Towers and Fixtures	895,788,351	17,496	-	-	-	895,805,847	5
6	(355)	Poles and Fixtures	452,300,667	1,392,867	(246,185)	-	-	453,447,349	6
7	(356)	Overhead Conductors and Devices	567,859,848	255,965	(23,630)	-	-	568,092,183	7
8	(357)	Underground Conduit	353,823,164	314,136	-	-	-	354,137,300	8
9	(358)	Underground Conductors and Devices	371,981,184	54,021	-	-	-	372,035,205	9
10	(359)	Roads and Trails	310,040,708	4,481	-	-	-	310,045,189	10
11									11
12		SUBTOTAL Transmission Plant ^A	5,030,679,081	6,796,179	(769,503)	-	-	5,036,705,757	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - October 2016	\$ 5,030,731,949	\$ 6,796,179	\$ (769,503)	\$ -	\$ -	\$ 5,036,758,625	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Oct-16 Balance Beg. Of Year	2 Nov-16 Additions	3 Nov-16 Retirements	4 Nov-16 Adjustments	6 Nov-16 Transfers	7 (Sum Col 1:6) Nov-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 222,043,975	\$ 3,112	\$ -	\$ -	\$ -	\$ 222,047,087	2
3	(352)	Structures and Improvements	472,165,168	839,119	(3,783)	-	-	473,000,504	3
4	(353)	Station Equipment	1,388,933,541	8,388,511	(45,585)	-	-	1,397,276,467	4
5	(354)	Towers and Fixtures	895,805,847	27,006	-	-	-	895,832,853	5
6	(355)	Poles and Fixtures	453,447,349	216,326	(263,273)	-	-	453,400,402	6
7	(356)	Overhead Conductors and Devices	568,092,183	298,095	(93,607)	-	-	568,296,671	7
8	(357)	Underground Conduit	354,137,300	228,002	-	-	-	354,365,302	8
9	(358)	Underground Conductors and Devices	372,035,205	31,457	-	-	-	372,066,662	9
10	(359)	Roads and Trails	310,045,189	9,701	-	-	-	310,054,890	10
11									11
12		SUBTOTAL Transmission Plant ^A	5,036,705,757	10,041,329	(406,248)	-	-	5,046,340,838	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868	-	-	-	-	52,868	14
15									15
16		TOTAL Transmission Plant - November 2016	\$ 5,036,758,625	\$ 10,041,329	\$ (406,248)	\$ -	\$ -	\$ 5,046,393,706	16
17									17
18	^A	Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							18
19									19
20	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							20
21		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							21

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016

Line No.	Utility Account	Description	1 Nov-16 Balance Beg. Of Year	2 Dec-16 Additions	3 Dec-16 Retirements	4 Dec-16 Adjustments ^c	6 Dec-16 Transfers	7 (Sum Col 1:6) Dec-16 Balance End Of Month	Line No.
1									1
2	(350)	Land and Land Rights	\$ 222,047,087	\$ 1,458	\$ -	\$ -	\$ -	\$ 222,048,545	2
3	(352)	Structures and Improvements	473,000,504	4,093,433	(81,267)	-	-	477,012,670	3
4	(353)	Station Equipment	1,397,276,467	6,303,250	(235,912)	-	-	1,403,343,805	4
5	(354)	Towers and Fixtures	895,832,853	(972,438)	-	-	-	894,860,415	5
6	(355)	Poles and Fixtures	453,400,402	246,082	(88,817)	-	-	453,557,667	6
7	(356)	Overhead Conductors and Devices	568,296,671	(28,217)	(1,380)	-	-	568,267,074	7
8	(357)	Underground Conduit	354,365,302	198,788	-	-	-	354,564,090	8
9	(358)	Underground Conductors and Devices	372,066,662	719,251	-	-	-	372,785,913	9
10	(359)	Roads and Trails	310,054,890	(197,558)	-	-	-	309,857,332	10
11									11
12		SUBTOTAL Transmission Plant^A	5,046,340,838	10,364,049	(407,376)	-	-	5,056,297,511	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B	52,868			1,263,990		1,316,858	14
15									15
16		TOTAL Transmission Plant - December 2016	\$ 5,046,393,706	\$ 10,364,049	\$ (407,376)	\$ 1,263,990	\$ -	\$ 5,057,614,369	16
17									17
18		Total Transmission Plant - YTD 2016	\$ 4,776,262,264	294,785,914	(13,601,255)	169,290	(1,844)	5,057,614,369	18
19									19
20		^A Ties to monthly per book balance on Transmission Cost Statement Page AD-7; Col (1).							20
21									21
22		^B Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							22
23		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							23
24									24
25		^C The adjustment to the Asset Retirement Costs represents the asset retirement cost activity for the period.							25

SAN DIEGO GAS AND ELECTRIC COMPANY
Monthly Transmission Plant Balances & Activity
Base Period / True Up Period - 12 Months Ending December 31, 2016
Transmission Plant 13-Month Average

Line No.	Utility Account	Description	1	2	3	4	6	7	Line No.
								13-Month Average of Dec '16 Balances	
1			\$						1
2	(350)	Land and Land Rights		\$	\$			\$ 223,045,404	2
3	(352)	Structures and Improvements						448,124,299	3
4	(353)	Station Equipment						1,338,564,577	4
5	(354)	Towers and Fixtures						895,500,648	5
6	(355)	Poles and Fixtures						441,038,480	6
7	(356)	Overhead Conductors and Devices						556,288,552	7
8	(357)	Underground Conduit						345,385,661	8
9	(358)	Underground Conductors and Devices						364,349,055	9
10	(359)	Roads and Trails						310,360,029	10
11									11
12		SUBTOTAL Transmission Plant^E						4,922,656,705	12
13									13
14	(359.1)	Asset Retirement Costs for Transmission Plant ^B						-	14
15									15
16		TOTAL Transmission Plant						\$ 4,922,656,705	16
17									17
18	^B	Asset retirement costs represent the estimated cost of future retirement activities for certain assets under GAAP (Generally Accepted Accounting Principles).							18
19		These costs are not reported under the accounting requirements of the FERC and are therefore included for financial statement presentation purposes only.							19
20	^E	Ties to 13-month average per book balance on Transmission Cost Statement, Page AD-7; Col (1).							20
21									21

San Diego Gas & Electric Company

Base Period & True Up Period

Statement - AE Accumulated Depreciation and Amortization Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AE - Workpapers
Accumulated Depreciation and Amortization
Base Period 12 - Months Ending December 31, 2016
(\$1,000)

Line No	(a) 31-Dec-15	(b) 31-Dec-16	(c) = [(a)+(b)]/2 Average Balance	Reference	Line No
1			\$ 897,504	Stmt AE WP; Page AE-1; Line 15	1
2					2
3	61,005	82,952	71,979	Stmt AE WP; Page AE-2; Line 3	3
4					4
5	124,471	138,237	131,354	Stmt AE WP; Page AE-3; Line 3	5
6					6
7	353,683	395,080	374,382	Stmt AE WP; Page AE-4; Line 3	7
8					8
9			17.52%	Statement AI; Line 19	9
10					10
11			\$ 12,611	Line 3 x Line 9	11
12					12
13			23,013	Line 5 x Line 9	13
14					14
15			65,592	Line 7 x Line 9	15
16					16
17			\$ 998,720	Sum Lines 1; 11; 13; 15	17
18					18
19			\$ -	Stmt AE WP; Page AE-5; Line 15	19

^a The depreciation reserve for transmission plant is derived based on a 13-month average balance.

^b The depreciation reserve for Electric Miscellaneous Intangible, General and Common plant is derived based on a simple average of beginning and end of year balances.

¹ The amounts stated above are ratemaking utility plant in service and a result of implementing the "Seven-Element Adjustment Factor" which reflects transfers between generation and distribution functions.

² Electric Miscellaneous Intangible Plant, General Plant, and Common Plant are not affected by the "Seven-Element Adjustment Factor" because there's no transfer of transmission or distribution plant among these categories.

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AE
ACCUMULATED DEPRECIATION AND AMORTIZATION
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

TRANSMISSION PLANT

Line No.	Month	(1) Total Transmission Reserves Per Book	Reference From	(2) Transmission Reserves Ratemaking	Reference From	Line No.
1	Dec-15	\$ 862,928	T-wp2	\$ 848,041	T-wp2	1
2	Jan-16	872,081	"	857,060	"	2
3	Feb	880,905	"	865,804	"	3
4	Mar	889,177	"	873,955	"	4
5	Apr	898,045	"	882,736	"	5
6	May	906,831	"	891,393	"	6
7	Jun	915,290	"	899,788	"	7
8	Jul	924,578	"	908,961	"	8
9	Aug	926,362	"	910,669	"	9
10	Sep	934,737	"	918,942	"	10
11	Oct	944,069	"	928,232	"	11
12	Nov	952,521	"	936,612	"	12
13	Dec-16	961,334	T-wp1	945,358	T-wp1	13
14	Total 13 Months	\$ 11,868,859		\$ 11,667,552		14
15	13-Month Average Balance	\$ 912,989		\$ 897,504		15

Column 2 represents the monthly ratemaking depreciation reserve balances for the base & true-up periods. These depreciation reserve balances reflect the amounts shifted between functions (transmission to distribution , transmission to generation, distribution to transmission, etc.) as required by FERC Order 888: Seven-Element Adjustment Factor.

SDG&E
TRANSMISSION FUNCTIONALIZATION STUDY
DERIVATION OF TRANSMISSION RELATED
ACCUMULATED DEPRECIATION AND AMORTIZATION
 Balances as of 12/31/2016
 In Thousands

Line No.	Account	Description	(1) Total Transmission Account 108	(2) Generation Account 108 Reserves Reclass as Transmission	(3) Distribution Account 108 Reserves Reclass to Transmission	(4) Transmission Account 108 Reserves Reclass as Steam Prod.	(5) Transmission Account 108 Reserves Reclass as Other Prod.	(6) Transmission Account 108 Reserves Reclass as Nuclear	(7) Transmission Account 108 Reserves Reclass as Distribution	(8) Total Transmission Reserves Ratamaking SUM 1:7	Line No.
1	303.0	Production Related to Trans									1
2	310.1	Intangibles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2
3	340.0	Land	-	-	-	-	-	-	-	-	3
4	360.0	Land & Land Rights	-	1	-	-	-	-	-	1	4
5	361.0	Land & Land Rights	-	-	50	-	-	-	-	50	5
		Structures & Improvements	-	-	499	-	-	-	-	499	5
6	TOTAL	TRANSMISSION RELATED	-	1	549	-	-	-	-	550	7
7	350.0	Land & Land Rights	20,427	-	-	-	-	-	(306)	20,121	8
8	352.0	Structures & Improvements	64,045	-	-	(351)	-	-	(12,102)	51,591	9
9	353.0	Station Equipment	269,065	-	-	(1,806)	(300)	-	(1,220)	265,758	10
10	354.0	Towers and Fixtures	158,789	-	-	-	-	-	-	158,789	11
11	355.0	Poles and Fixtures	93,380	-	-	-	-	-	-	93,380	12
12	356.0	OH Conductors and Device	221,578	-	-	-	-	-	-	221,578	13
13	357.0	Underground Conduit	53,188	-	-	-	-	-	-	53,188	14
14	358.0	UG Conductors & Devices	52,595	-	-	(440)	-	-	-	52,155	15
15	359.0	Roads & Trails	28,248	-	-	-	-	-	-	28,248	16
16	TOTAL	TRANSMISSION PLANT	961,394	-	-	(2,597)	(300)	-	(13,629)	944,808	17
17	GRAND TOTAL	RECLASS TRANS PLANT	\$ 961,394	\$ 1	\$ 549	\$ (2,597)	\$ (300)	\$ -	\$ (13,629)	\$ 945,358	16

These represents plant transfers to comply with FERC Order No. 888 and reflect the adjusted plant accumulated depreciation and amortization balances.

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AE
ACCUMULATED DEPRECIATION AND AMORTIZATION
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)**

ELECTRIC MISCELLANEOUS INTANGIBLE PLANT

Line No.	Month	Adjusted FERC Intangible Reserve Balance	Reference From	Line No.
1	Dec-15	\$ 61,005	I-wp2	1
2	Dec-16	82,952	I-wp1	2
3	Beginning and End Period Average	\$ 71,979		3

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AE
ACCUMULATED DEPRECIATION AND AMORTIZATION
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)**

GENERAL PLANT

Line No.	Month	Adjusted FERC General Reserve Balance	Reference From	Line No.
1	Dec-15	\$ 124,471	G-wp2	1
2	Dec-16	138,237	G-wp1	2
3	Beginning and Year End Average	\$ 131,354		3

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AE
ACCUMULATED DEPRECIATION AND AMORTIZATION
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

COMMON PLANT

Line No.	Month	Total Common Reserves to Electric Per Book	Reference From	Line No.
1	Dec-15	\$ 353,683	C-wp2	1
2	Dec-16	395,080	C-wp1	2
3	Beginning and Year End Average	\$ 374,382		3

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of <u>2015/Q4</u>
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COMMON UTILITY PLANT AND EXPENSES

- Describe the property carried in the utility's accounts as common utility plant and show the book cost of such plant at end of year classified by accounts as provided by Plant Instruction 13, Common Utility Plant, of the Uniform System of Accounts. Also show the allocation of such plant costs to the respective departments using the common utility plant and explain the basis of allocation used, giving the allocation factors.
- Furnish the accumulated provisions for depreciation and amortization at end of year, showing the amounts and classifications of such accumulated provisions, and amounts allocated to utility departments using the Common utility plant to which such accumulated provisions relate, including explanation of basis of allocation and factors used.
- Give for the year the expenses of operation, maintenance, rents, depreciation, and amortization for common utility plant classified by accounts as provided by the Uniform System of Accounts. Show the allocation of such expenses to the departments using the common utility plant to which such expenses are related. Explain the basis of allocation used and give the factors of allocation.
- Give date of approval by the Commission for use of the common utility plant classification and reference to order of the Commission or other authorization.

ACCOUNT

December 31, 2015
Accumulated Depreciation

303 Misc. Intangible Plant	208,007,908
389 Land & Land Rights	27,776
390 Structures & Improvements	137,925,564
391 Office Furniture & Equipment	46,106,070
392 Transportation Equipment	(334,610)
393 Stores Equipment	49,449
394 Tools, Shop & Garage Equipment	638,702
395 Laboratory Equipment	918,761
396 Power Operated Equipment	(192,979)
397 Communication Equipment	70,998,629
398 Miscellaneous Equipment	1,472,662
108.4 Retirement Work in Progress	
FIN 47 Accumulated Depreciation	(26,068)
Fleet Capital Lease	19,590,319
Total Accumulated Depreciation	485,182,183

2015
Common Plant - Accum.
Σ ① 465,617,932
② 75.96%
353,683,381
(AE-4,
LINE D)

Split of Common Utility Plant

to Departments: (excluding CWIP) (see Note 2- Page 356.2)

December 31, 2015

	Balance End of Year	Accumulated Depreciation
Electric 75.96% ②	741,482,971	368,544,386
Gas 24.04%	234,666,280	116,637,797
Total 100.00%	976,149,251	485,182,183

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of <u>2016/Q4</u>
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COMMON UTILITY PLANT AND EXPENSES

- Describe the property carried in the utility's accounts as common utility plant and show the book cost of such plant at end of year classified by accounts as provided by Plant Instruction 13, Common Utility Plant, of the Uniform System of Accounts. Also show the allocation of such plant costs to the respective departments using the common utility plant and explain the basis of allocation used, giving the allocation factors.
- Furnish the accumulated provisions for depreciation and amortization at end of year, showing the amounts and classifications of such accumulated provisions, and amounts allocated to utility departments using the Common utility plant to which such accumulated provisions relate, including explanation of basis of allocation and factors used.
- Give for the year the expenses of operation, maintenance, rents, depreciation, and amortization for common utility plant classified by accounts as provided by the Uniform System of Accounts. Show the allocation of such expenses to the departments using the common utility plant to which such expenses are related. Explain the basis of allocation used and give the factors of allocation.
- Give date of approval by the Commission for use of the common utility plant classification and reference to order of the Commission or other authorization.

ACCOUNT

December 31, 2016
 Accumulated Depreciation

303 Misc. Intangible Plant	252,892,419
389 Land & Land Rights	27,776
390 Structures & Improvements	148,905,865
391 Office Furniture & Equipment	45,516,310
392 Transportation Equipment	(288,808)
393 Stores Equipment	45,602
394 Tools, Shop & Garage Equipment	717,021
395 Laboratory Equipment	982,941
396 Power Operated Equipment	(192,979)
397 Communication Equipment	75,536,327
398 Miscellaneous Equipment	462,082
108.4 Retirement Work in Progress	
FIN 47 Accumulated Depreciation	2,240,710
Fleet Capital Lease	20,361,830
Total Accumulated Depreciation	547,207,096

2016
Common Plant - Accum.
 Σ 524,604,556
 ② 75.31%
395,079,691
 (AE-4, LINE 2)

Split of Common Utility Plant

to Departments: (excluding CWIP) (see Note 2- Page 356.2)

December 31, 2016

	Balance	Accumulated
	End of Year	Depreciation
Electric 75.31% ②	793,742,483	412,101,664
Gas 24.69%	260,224,431	135,105,432
Total	1,053,966,914	547,207,096

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AE
DEPRECIATION RESERVE
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

INCENTIVE TRANSMISSION PLANT

Line No.	Month	(1) Total Incentive Transmission Reserves Per Book \$	Reference From	(2) Incentive Transmission Reserves Ratemaking \$	Reference From	Line No.
1	Dec-15	-		-		1
2	Jan-16	-		-		2
3	Feb	-		-		3
4	Mar	-		-		4
5	Apr	-		-		5
6	May	-		-		6
7	Jun	-		-		7
8	Jul	-		-		8
9	Aug	-		-		9
10	Sep	-		-		10
11	Oct	-		-		11
12	Nov	-		-		12
13	Dec-16	-		-		13
14	Total 13 Months	-		-		14
15	13 - Month Average Balance	\$ -		\$ -		15

Name of Respondent San Diego Gas & Electric Company	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report <u>2016/Q4</u>
FOOTNOTE DATA			

Schedule Page: 200 Line No.: 4 Column: b

Description	Capital leases	ITD Depreciation	Capital lease obligations
Otay Mesa Energy Center (OMEC)	595,400,000	(203,285,531)	392,114,469
Orange Grove	123,238,342	(8,368,262)	114,870,080
El Cajon Energy	59,751,923	(7,136,267)	52,615,656
Escondido	59,549,016	(2,541,519)	57,007,497
Fleet	20,730,793	(20,361,830)	368,963
Yuma	14,884,000	(142,104)	14,741,896
	873,554,074	(241,835,513)	631,718,561

Schedule Page: 200 Line No.: 14 Column: b

Reclassification as of 12/2016 Accum. Provision for Depreciation & Amortization for Ratemaking
Accumulated Provision for Depreciation & Amortization Classified
under FERC Seven Factor Test
In Accordance with Guidelines in FERC Order 888

Accumulated Provision

Electric	
<u>Intangible Plant</u>	<u>82,952,173</u>
Steam Production Plant	214,985,087
Other Production Plant	197,262,156
Transmission Plant	945,358,193
Distribution Plant	2,685,181,195
<u>General Plant</u>	<u>138,237,147</u>

Ratemaking Electric	4,263,975,951
---------------------	---------------

Nuclear Decommissioning	1,025,383,767
ASC 410 (FAS 143 and FIN 47) - Electric	(1,028,764,367)
Capital Leases A/D	221,473,683
Leased to Others- Citizens A/D	14,261,044
Cuyamaca Permanent Adjustment	17,855,747

Total Electric	4,514,185,825
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Ratemaking Gas	958,934,597
FIN 47 - Gas	(209,420,334)

Total Gas	749,514,263
-----------	-------------

<u>Ratemaking Common</u>	524,604,556 ^①
FIN 47 - Common	2,240,710
Fleet Capital Lease A/D	20,361,830
Total Common	547,207,096

(See AE-6) ^① Common Plant - 524,604,556
 Elec. share - 75.31%
 Common (elec.) 395,079,691

Total Accumulated Provision EOQ 12/2016	5,810,907,184
---	---------------

Name of Respondent	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2016/Q4
San Diego Gas & Electric Company			
FOOTNOTE DATA			

Total 13-Month Average Accum. Provision as of 12/31/2016 -Steam Production	204,743,799
Total 13-Month Average Accum. Provision as of 12/31/2016 -Nuclear Production	-
Total 13-Month Average Accum. Provision as of 12/31/2016 -Other Production	188,005,078
Total 13-Month Average Accum. Provision as of 12/31/2016 -Transmission Plant	<u>897,504,061</u>

Name of Respondent San Diego Gas & Electric Company	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report <u>2015/Q4</u>
FOOTNOTE DATA			

Schedule Page: 200 Line No.: 4 Column: b			
Description	Capital leases	ITD Depreciation	Capital lease obligations
Otay Mesa Energy Center (OMEC)	595,400,000	(168,060,255)	427,339,745
Orange Grove	123,238,342	(6,647,613)	116,590,729
El Cajon Energy	59,751,923	(5,823,608)	53,928,315
Escondido	59,549,016	(1,609,275)	57,939,741
Fleet	20,189,056	(19,590,319)	598,737
Yuma	14,884,000	(15,394)	14,868,606
	873,012,337	(201,746,464)	671,265,873

Schedule Page: 200 Line No.: 14 Column: b
 Reclassification of 2015 Accum. Provision for Depreciation & Amortization for Ratemaking
Accumulated Provision for Depreciation & Amortization Classified
under FERC Seven Factor Test
In Accordance with Guidelines in FERC Order 888

	Accumulated Provision
Electric	
<u>Intangible Plant</u>	<u>61,005,254</u>
Steam Production Plant	194,692,780
Other Production Plant	178,701,651
Transmission Plant	848,040,689
Distribution Plant	2,538,004,681
<u>General Plant</u>	<u>124,471,323</u>
Ratemaking Electric	3,944,916,378
Nuclear Decommissioning	910,691,580
ASC 410 (FAS 143 and FIN 47) - Electric	(905,751,696)
Capital Leases A/D	182,156,145
Leased to Others- Citizens A/D	11,467,849
Cuyamaca Permanent Adjustment	17,855,747
Total Electric	4,161,336,003
Ratemaking Gas	924,302,397
FIN 47 - Gas	(209,603,285)
Total Gas	714,699,112
<u>Ratemaking Common</u>	465,617,932 ^①
FIN 47 - Common	(26,068)
Fleet Capital Lease A/D	19,590,319
Total Common	485,182,183
Total Accumulated Provision 2015	5,361,217,298

2015

① Common plant - 465,617,932
 (See AE-4A) Elec. Share - 75.96%
 Common (elec.) 353,683,381

Name of Respondent	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2015/Q4
San Diego Gas & Electric Company			
FOOTNOTE DATA			

Total 13-Month Average Accum. Provision for 2015 -Steam Production	185,123,622
Total 13-Month Average Accum. Provision for 2015 -Nuclear Production	-
Total 13-Month Average Accum. Provision for 2015 -Other Production	169,259,892
Total 13-Month Average Accum. Provision for 2015 -Transmission Plant	<u>795,744,965</u>

San Diego Gas & Electric Company

Base Period & True Up Period

Statement - AF Specified Deferred Credits Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AF - Workpapers
Deferred Credits

Base Period & True-Up Period 12 - Months Ending December 31, 2016
(\$1,000)

Line No	(a) 31-Dec-15	(b) 31-Dec-16	(c) = [(a)+(b)]/2 Average Balance	Reference	Line No
1	\$ (302,922)	\$ (169,594)	\$ (236,258)	Stmt AF WP; Page AF-1; Line 1	1
2					2
3	(575,493)	(762,064)	(668,779)	Stmt AF WP; Page AF-1; Line 3	3
4					4
5	<u>\$ (878,415)</u>	<u>\$ (931,658)</u>	<u>\$ (905,037)</u>	Sum of Lines 1 thru 3	5
6				Form 1; Pg. 450.1; Sch. Pg. 274; Ln 2; Cols. b and k	6
7					7
8	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	Stmt AF WP; Page AF-2; Line 1	8
9					9
10	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	Stmt AF WP; Page AF-2; Line 4	10
11					11
12	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	Stmt AF WP; Page AF-2; Line 7	12

San Diego Gas and Electric Company
Transmission Deferred Credits

Line No	Description	12/31/2015	12/31/2016	Line No
1	Transmission Related ADIT- Excluding Bonus Depreciation	\$ (302,922)	\$ (169,594)	1
2				2
3	Transmission Related ADIT from Bonus Depreciation	<u>(575,493)</u>	<u>(762,064)</u>	3
4				4
5	Total Transmission Related ADIT ^a	<u>\$ (878,415)</u>	<u>\$ (931,658)</u>	5

^a The allocated general and common accumulated deferred income taxes are included in the total transmission related accumulated deferred income taxes. See FERC Form 1; Page 450.1; Sch. Pg. 274; Line 2; Cols. b and k.

San Diego Gas and Electric Company
Deferred Credits

Line No	Description	12/31/2015	12/31/2016	Line No
1	Incentive Transmission Plant ADIT	<u>\$ -</u>	<u>\$ -</u>	1
2				2
3				3
4	Transmission Plant Abandoned ADIT	<u>\$ -</u>	<u>\$ -</u>	4
5				5
6				6
7	Incentive Transmission Plant Abandoned Project Cost ADIT	<u>\$ -</u>	<u>\$ -</u>	7

Name of Respondent	This Report is:	Date of Report	Year/Period of Report
San Diego Gas & Electric Company	(1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	(Mo, Da, Yr) / /	2016/Q4
FOOTNOTE DATA			

Schedule Page: 274 Line No.: 2 Column: b

Non-Citizen transmission related accumulated deferred income taxes included in electric accumulated deferred income taxes at the beginning of the year was \$878,415,167.

Citizen transmission related accumulated deferred income taxes included in electric accumulated deferred income taxes at the beginning of the year was \$23,707,268.

Allocated General and Common accumulated deferred federal income taxes included in transmission related accumulated deferred federal income taxes at the beginning of the year was \$17,331,399.

Schedule Page: 274 Line No.: 2 Column: k

Non-Citizen transmission related accumulated deferred income taxes included in electric accumulated deferred income taxes at the end of the year was \$931,658,150.

Citizen transmission related accumulated deferred income taxes included in electric accumulated deferred income taxes at the end of the year was \$22,885,191.

Allocated General and Common accumulated deferred federal income taxes included in transmission related accumulated deferred income taxes at the end of the year was \$18,824,308.

Name of Respondent	This Report is:	Date of Report	Year/Period of Report
San Diego Gas & Electric Company	(1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	(Mo, Da, Yr) / /	2015/Q4
FOOTNOTE DATA			

Schedule Page: 274 Line No.: 2 Column: b

Non-Citizen transmission related accumulated deferred income taxes included in electric accumulated deferred income taxes at the beginning of the year was \$612,790,263.

Citizen transmission related accumulated deferred income taxes included in electric accumulated deferred income taxes at the beginning of the year was \$14,613.

Allocated General and Common accumulated deferred federal income taxes included in transmission related accumulated deferred federal income taxes at the beginning of the year was \$19,280,027.

Schedule Page: 274 Line No.: 2 Column: k

Non-Citizen transmission related accumulated deferred income taxes included in electric accumulated deferred income taxes at the end of the year was \$878,415,167.

Citizen transmission related accumulated deferred income taxes included in electric accumulated deferred income taxes at the end of the year was \$23,707.

Allocated General and Common accumulated deferred federal income taxes included in transmission related accumulated deferred income taxes at the end of the year was \$17,331,399.

San Diego Gas & Electric Company

Base Period & True Up Period

Statement - AG Specified Plant Account (Other than Plant in Service) and Deferred Debits Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AG - Workpapers
Specified Plant Account (Other than Plant in Service) and Deferred Debits
Base Period & True-Up Period 12 - Months Ending December 31, 2016
(\$1,000)

Line No	(a) 31-Dec-15	(b) 31-Dec-16	(c) = [(a)+(b)]/2 Average Balance	Reference	Line No
1			\$ 5,654	Stmt AG WP; Page AG-1; Line 15	1

¹ The balances for Transmission Plant Held for Future Use are derived based on a 13-month average balance.

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AG
SPECIFIED PLANT ACCOUNTS (OTHER THAN PLANT IN SERVICE)
AND DEFERRED DEBITS
BASE PERIOD / TRUE UP PERIOD- 12/31/2016 PER BOOK
(\$1,000)**

TRANSMISSION PLANT

Line No.	Month	Transmission Plant Held For Future Use	Line No.
1	Dec-15	\$ 5,654	1
2	Jan-16	5,654	2
3	Feb	5,654	3
4	Mar	5,654	4
5	Apr	5,654	5
6	May	5,654	6
7	Jun	5,654	7
8	Jul	5,654	8
9	Aug	5,654	9
10	Sep	5,654	10
11	Oct	5,654	11
12	Nov	5,654	12
13	Dec-16	5,654	13
14	Total 13 Months	73,500	14
15	13-Month Average	\$ 5,654	15

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
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ELECTRIC PLANT HELD FOR FUTURE USE (Account 105)

- Report separately each property held for future use at end of the year having an original cost of \$250,000 or more. Group other items of property held for future use.
- For property having an original cost of \$250,000 or more previously used in utility operations, now held for future use, give in column (a), in addition to other required information, the date that utility use of such property was discontinued, and the date the original cost was transferred to Account 105.

Line No.	Description and Location Of Property (a)	Date Originally Included In This Account (b)	Date Expected to be used In Utility Service (c)	Balance at End of Year (d)
1	Land and Rights:			
2				
3	Salt Creek	7/31/2011	1/31/2017	6,005,098
4				
5	Oceanside	5/31/2012	12/1/2017	360,835
6				
7	Ocean Ranch	3/31/2013	6/18/2018	4,941,795
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21	Other Property:			
22				
23				
24				
25				
26	① 11,307,728 * 50% Transmission = 5,653,864			
27				
28	* 50% Distribution = 5,653,864			
29				
30		11,307,728		
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47	Total			11,307,728 ①

Name of Respondent	This Report is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
San Diego Gas & Electric Company	(1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	/ /	2016/Q4
FOOTNOTE DATA			

Schedule Page: 214 Line No.: 46 Column: d

The 13-Month Average Electric Transmission Plant Held for Future Use is \$5,653,864.

San Diego Gas & Electric Company

Base Period & True-Up Period

Statement - AH Operation and Maintenance Expenses Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AH - Workpapers
Operation and Maintenance Expenses

Base Period & True-Up Period 12 - Months Ending December 31, 2016

(\$1,000)

Line No.	Amounts	Reference	Line No.
1			1
2			2
3			3
4			4
5			5
6			6
7			7
8			8
9			9
10			10
11			11
12			12
13			13
14			14
15			15
16			16
17			17
18			18
19			19
20			20
21			21
22			22
23			23
24			24
25			25
26			26
27			27
28			28
29			29
30			30
31			31
32			32
33			33
34			34
35			35
36			36
37			37
38			38
39			39
40			40
42			42
41			41
43			43
44			44
45			45
46			46
47			47
48			48
49			49
50			50
51			51
52			52
53			53
54			54
55			55
56			56

¹ The CPUC Intervenor Expense for Transmission shall be treated as an exclusion in A&G but added back to the Retail BTRR on BK-1, page 1, line 6. This expense will be excluded in Wholesale BTRR on BK-2, page 1, line 4.

SAN DIEGO GAS AND ELECTRIC COMPANY
Electric Transmission O&M Expenses
12 Months Ending December 31, 2016
(\$1,000)

Line No.	FERC Acct	Description	(a) Total Per Books	(b) Excluded Expenses	(c) = (a) - (b) Total Adjusted	Reference	Line No.
1		<u>Electric Transmission Operation</u>					1
2	560	Operation Supervision and Engineering	\$ 7,744	\$ -	\$ 7,744	Form 1, p. 321; Line 83	2
3	561.1	Load Dispatch - Reliability	608	-	608	Form 1, p. 321; Line 85	3
4	561.2	Load Dispatch - Monitor and Operate Transmission System	1,321	-	1,321	Form 1, p. 321; Line 86	4
5	561.3	Load Dispatch - Transmission Service and Scheduling	198	-	198	Form 1, p. 321; Line 87	5
6	561.4	Scheduling, System Control and Dispatch Services	5,906	5,906	(0)	Form 1, p. 321; Line 88	6
7	561.5	Reliability, Planning and Standards Development	410	-	410	Form 1, p. 321; Line 89	7
8	561.6	Transmission Service Studies	-	-	-	Form 1, p. 321; Line 90	8
9	561.7	Generation Interconnection Studies	29	-	29	Form 1, p. 321; Line 91	9
10	561.8	Reliability, Planning and Standards Development Services	3,295	2,747	548	Form 1, p. 321; Line 92	10
11	562	Station Expenses	5,969	-	5,969	Form 1, p. 321; Line 93	11
12	563	Overhead Line Expenses ¹	5,141	-	5,141	Form 1, p. 321; Line 94	12
13	564	Underground Line Expenses	8	-	8	Form 1, p. 321; Line 95	13
14	565	Transmission of Electricity by Others	0	-	0	Form 1, p. 321; Line 96	14
15	566	Misc. Transmission Expenses	20,856	5,974	14,882	Form 1, p. 321; Line 97	15
16	567	Rents	2,507	-	2,507	Form 1, p. 321; Line 98	16
17							17
18		Total Electric Transmission Operation	\$ 53,992	\$ 14,627	\$ 39,365	Sum Lines 2 thru 16	18
19		<u>Electric Transmission Maintenance</u>					19
20							20
21	568	Maintenance Supervision and Engineering	1,492	-	1,492	Form 1, p. 321; Line 101	21
22	569	Maintenance of Structures	-	-	-	Form 1, p. 321; Line 102	22
23	569.1	Maintenance of Computer Hardware	1,307	-	1,307	Form 1, p. 321; Line 103	23
24	569.2	Maintenance of Computer Software	2,296	-	2,296	Form 1, p. 321; Line 104	24
25	569.3	Maintenance of Communication Equipment	-	-	-	Form 1, p. 321; Line 105	25
26	569.4	Maintenance of Misc. Regional Transmission Plant	369	-	369	Form 1, p. 321; Line 106	26
27	570	Maintenance of Station Equipment	10,303	-	10,303	Form 1, p. 321; Line 107	27
28	571	Maintenance of Overhead Lines ²	17,759	-	17,759	Form 1, p. 321; Line 108	28
29	572	Maintenance of Underground Lines	355	-	355	Form 1, p. 321; Line 109	29
30	573	Maintenance of Misc. Transmission Plant	2	-	2	Form 1, p. 321; Line 110	30
31							31
32		Total Electric Transmission Maintenance	\$ 33,885	\$ -	\$ 33,885	Sum Lines 21 thru 30	32
33							33
34		Total Electric Transmission O&M Expenses	\$ 87,877	\$ 14,627	\$ 73,249	Line 18 + Line 32	34
35							35
36							36
37		<u>Excluded Expenses (recovery method in parentheses)</u>					37
38	561.4	Scheduling, System Control and Dispatch Services (ERRA)		\$ 5,906			38
39	561.8	Reliability, Planning and Standards Development Services (ERRA)		2,747			39
40	565	Transmission of Electricity by Others (ERRA)		-			40
41	566	Misc. Transmission Expenses:					41
42		Century Energy Systems Balancing Account (CES-21BA)	\$ 1,323				42
43		Hazardous Substance Cleanup Cost Memo Account (HSCCMA)	80				43
44		ISO Grid Management Costs (ERRA)	3,267				44
45		Reliability Services (RS rates)	3,736				45
46		Other (TRBAA, TACBAA)	(2,432)	5,974			46
47							47
48		Total Excluded Expenses		\$ 14,627			48
49							49
50	¹	FERC acct 563 for Overhead Line Expenses includes \$3.3M related to the Sunrise Fire Mitigation Cost.					50
51							51
52	²	FERC acct 571 for Maintenance of Overhead Line Expenses includes Post Construction Environmental Cost of \$4.7M for Sunrise and \$0.8M for Other Project					52
53							53
54							54

Name of Respondent		This Report Is:	Date of Report	Year/Period of Report
San Diego Gas & Electric Company		(1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	(Mo, Da, Yr) / /	End of 2016/Q4
ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)				
If the amount for previous year is not derived from previously reported figures, explain in footnote.				
Line No.	Account (a)	Amount for Current Year (b)	Amount for Previous Year (c)	
60	D. Other Power Generation			
61	Operation			
62	(546) Operation Supervision and Engineering	446,693	1,363,263	
63	(547) Fuel	4,218,680	2,864,536	
64	(548) Generation Expenses			
65	(549) Miscellaneous Other Power Generation Expenses	8,536,469	9,144,492	
66	(550) Rents		690	
67	TOTAL Operation (Enter Total of lines 62 thru 66)	13,201,842	13,372,981	
68	Maintenance			
69	(551) Maintenance Supervision and Engineering	794	182	
70	(552) Maintenance of Structures	25,012	-19,038	
71	(553) Maintenance of Generating and Electric Plant	7,836,538	14,225,946	
72	(554) Maintenance of Miscellaneous Other Power Generation Plant	9,518,929	5,871,410	
73	TOTAL Maintenance (Enter Total of lines 69 thru 72)	17,381,273	20,078,500	
74	TOTAL Power Production Expenses-Other Power (Enter Tot of 67 & 73)	30,583,115	33,451,481	
75	E. Other Power Supply Expenses			
76	(555) Purchased Power	1,589,224,779	1,671,028,598	
77	(556) System Control and Load Dispatching	3,267,145	3,324,194	
78	(557) Other Expenses	6,949,874	7,426,768	
79	TOTAL Other Power Supply Exp (Enter Total of lines 76 thru 78)	1,599,441,798	1,681,779,560	
80	TOTAL Power Production Expenses (Total of lines 21, 41, 59, 74 & 79)	1,739,699,087	1,857,600,704	
81	2. TRANSMISSION EXPENSES			
82	Operation			
83	(560) Operation Supervision and Engineering	7,744,285	7,142,785	
84				
85	(561.1) Load Dispatch-Reliability	608,045	599,703	
86	(561.2) Load Dispatch-Monitor and Operate Transmission System	1,321,142	1,475,760	
87	(561.3) Load Dispatch-Transmission Service and Scheduling	197,927	227,063	
88	(561.4) Scheduling, System Control and Dispatch Services	5,906,075	6,718,848	
89	(561.5) Reliability, Planning and Standards Development	410,126	422,813	
90	(561.6) Transmission Service Studies		6,044	
91	(561.7) Generation Interconnection Studies	29,157	4,276	
92	(561.8) Reliability, Planning and Standards Development Services	3,294,992	3,613,237	
93	(562) Station Expenses	5,968,735	4,305,577	
94	(563) Overhead Lines Expenses	5,140,720	4,849,653	
95	(564) Underground Lines Expenses	7,547	424	
96	(565) Transmission of Electricity by Others	439		
97	(566) Miscellaneous Transmission Expenses	20,855,545	23,510,103	
98	(567) Rents	2,507,242	1,616,947	
99	TOTAL Operation (Enter Total of lines 83 thru 98)	53,991,977	54,493,233	
100	Maintenance			
101	(568) Maintenance Supervision and Engineering	1,492,109	974,742	
102	(569) Maintenance of Structures		543	
103	(569.1) Maintenance of Computer Hardware	1,307,433	1,501,017	
104	(569.2) Maintenance of Computer Software	2,296,360	2,865,486	
105	(569.3) Maintenance of Communication Equipment			
106	(569.4) Maintenance of Miscellaneous Regional Transmission Plant	368,982	200,638	
107	(570) Maintenance of Station Equipment	10,303,297	6,431,297	
108	(571) Maintenance of Overhead Lines	17,759,358	18,438,916	
109	(572) Maintenance of Underground Lines	355,128	416,793	
110	(573) Maintenance of Miscellaneous Transmission Plant	1,917	18,432	
111	TOTAL Maintenance (Total of lines 101 thru 110)	33,884,584	30,847,864	
112	TOTAL Transmission Expenses (Total of lines 99 and 111)	87,876,561	85,341,097	

SAN DIEGO GAS AND ELECTRIC COMPANY
Administrative & General Expenses
12 Months Ending December 31, 2016
(\$1,000)

Line No.	FERC Acct	Description	(a) Total Per Books	(b) Excluded Expenses	(c) = (a) - (b) Total Adjusted	Reference	Line No.
1		<u>Administrative & General</u>					1
2	920	A&G Salaries	\$ 30,638	\$ -	\$ 30,638	Form 1, p. 323; Line 181	2
3	921	Office Supplies & Expenses	8,502	-	8,502	Form 1, p. 323; Line 182	3
4	922	Less Administrative Expenses Transferred-Credit	(7,494)	-	(7,494)	Form 1, p. 323; Line 183	4
5	923	Outside Services Employed	93,114	-	93,114	Form 1, p. 323; Line 184	5
6	924	Property Insurance	4,342	-	4,342	Form 1, p. 323; Line 185	6
7	925	Injuries & Damages ¹	87,831	13	87,818	Form 1, p. 323; Line 186	7
8	926	Employee Pensions & Benefits ²	32,701	37	32,664	Form 1, p. 323; Line 187	10
9	927	Franchise Requirements	114,077	114,077	-	Form 1, p. 323; Line 188	12
10	928	Regulatory Commission Expenses	17,195	8,348	8,847	Form 1, p. 323; Line 189	13
11	929	Less Duplicate Charges (Company Energy Use)	(2,227)	-	(2,227)	Form 1, p. 323; Line 190	14
12	930.1	General Advertising Expenses	153	153	-	Form 1, p. 323; Line 191	15
13	930.2	Miscellaneous General Expenses	1,498	190	1,308	Form 1, p. 323; Line 192	13
14	931	Rents	11,234	-	11,234	Form 1, p. 323; Line 193	14
15	935	Maintenance of General Plant	8,608	65	8,542	Form 1, p. 323; Line 196	15
16							16
17		Total Administrative & General Expenses	\$ 400,172	\$ 122,883	\$ 277,289	Sum Lines 2 thru 15	17
18							18
19							19
20		<u>Excluded Expenses:</u>					20
21	924	Nuclear property insurance expense (SONGS)		\$ -			21
22	925	Injuries & Damages - Non Wildfire Related (SONGS)	\$ -				22
23	925	CPUC energy efficiency programs	13				23
24	925	Injuries & Damages - Wildfire Insurance Premiums	-				24
25	925	Injuries & Damages - Wildfire Damage Claims	-	13			25
26	926	CPUC energy efficiency programs		37			26
27	927	Franchise Requirements		114,077			27
28	928	CPUC energy efficiency programs	(0)				28
29	928	CPUC Intervenor Funding Expense - Transmission	-				29
30	928	CPUC Intervenor Funding Expense - Distribution	2,112				30
31	928	CPUC reimbursement fees	6,186				31
32	928	Litigation expenses - Litigation Cost Memorandum Account (LCMA)	50	8,348			32
33	930.1	General Advertising Expenses		153			33
34	930.2	CPUC energy efficiency programs	-				34
35	930.2	Abandoned Projects	190	190			35
36	931	Advanced Metering Infrastructure (AMI) lease facilities	-				36
37	931	CPUC energy efficiency programs	-				37
38	935	Hazardous Substances-Hazardous Substance Cleanup Cost Account		65			38
39		Total Excluded Expenses		\$ 122,883			39
40							40
41							41
42		¹ FERC acct 925 for Injuries & Damages includes \$1.1M related to the wildfire damage claims.					42
43		The transmission related wildfire damage claims costs are \$2 million lower between the Cycle 5 and Cycle 4 base period as shown:					43
44		[Cycle 5: (\$1.1 million x 17.52% = \$0.2 million) minus [Cycle 4: (\$13.1 million x 16.95% = \$2.2 million)] = (\$2) million.					44
45							45
46		² FERC acct 926 for Employee Pensions & Benefits includes \$0.9M for PBOP.					46
47							47
48							48

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
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ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

If the amount for previous year is not derived from previously reported figures, explain in footnote.

Line No.	Account (a)	Amount for Current Year (b)	Amount for Previous Year (c)
165	6. CUSTOMER SERVICE AND INFORMATIONAL EXPENSES		
166	Operation		
167	(907) Supervision	31,764	26,307
168	(908) Customer Assistance Expenses	203,952,339	170,684,028
169	(909) Informational and Instructional Expenses	105,190	146,527
170	(910) Miscellaneous Customer Service and Informational Expenses	3,916,094	2,525,878
171	TOTAL Customer Service and Information Expenses (Total 167 thru 170)	208,005,387	173,382,740
172	7. SALES EXPENSES		
173	Operation		
174	(911) Supervision		
175	(912) Demonstrating and Selling Expenses		
176	(913) Advertising Expenses		
177	(916) Miscellaneous Sales Expenses		
178	TOTAL Sales Expenses (Enter Total of lines 174 thru 177)		
179	8. ADMINISTRATIVE AND GENERAL EXPENSES		
180	Operation		
181	(920) Administrative and General Salaries	30,638,332	29,373,126
182	(921) Office Supplies and Expenses	8,501,761	-15,156,779
183	(Less) (922) Administrative Expenses Transferred-Credit	7,494,244	9,451,453
184	(923) Outside Services Employed	93,114,129	142,156,284
185	(924) Property Insurance	4,342,028	4,752,704
186	(925) Injuries and Damages	87,830,779	101,140,890
187	(926) Employee Pensions and Benefits	32,700,832	31,678,317
188	(927) Franchise Requirements	114,077,380	125,260,417
189	(928) Regulatory Commission Expenses	17,195,211	15,618,351
190	(929) (Less) Duplicate Charges-Cr.	2,227,412	2,166,846
191	(930.1) General Advertising Expenses	153,179	136,091
192	(930.2) Miscellaneous General Expenses	1,497,543	11,973,407
193	(931) Rents	11,234,212	11,131,728
194	TOTAL Operation (Enter Total of lines 181 thru 193)	391,563,730	446,446,237
195	Maintenance		
196	(935) Maintenance of General Plant	8,607,842	8,996,726
197	TOTAL Administrative & General Expenses (Total of lines 194 and 196)	400,171,572	455,442,963
198	TOTAL Elec Op and Maint Expns (Total 80,112,131,156,164,171,178,197)	2,624,259,252	2,762,540,742

San Diego Gas & Electric Company

Base Period & True-Up Period

Statement - AI Wages and Salaries Workpapers

Docket No. ER18-____ - ____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AI - Workpapers
Wages and Salaries

Base Period 12 - Months Ending December 31, 2016
(\$1,000)

Line No.		Amounts	Reference	Line No.
1	Production Wages & Salaries (Includes Steam & Other Power Supply)	\$ 12,447	Form 1; Page 354; Line 20; Col. b	1
2				2
3	Transmission Wages & Salaries	21,428	Form 1; Page 354; Line 21; Col. b	3
4				4
5	Distribution Wages & Salaries	50,123	Form 1; Page 354; Line 23; Col. b	5
6				6
7	Customer Accounts Wages & Salaries	16,157	Form 1; Page 354; Line 24; Col. b	7
8				8
9	Customer Services and Informational Wages & Salaries	22,137	Form 1; Page 354; Line 25; Col. b	9
10				10
11	Sales Wages & Salaries	-	Form 1; Page 354; Line 26; Col. b	11
12				12
13	Sub-Total	\$ 122,291	Sum Lines 1 thru 11	13
14				14
15	Administrative and General Wages & Salaries	39,801	Form 1; Page 354; Line 27; Col. b	15
16				16
17	Total Operating & Maintenance Wages & Salaries	<u>\$ 162,092</u>	Sum Lines 13; 15	17
18				18
19	Transmission Wages and Salaries Allocation Factor	<u>17.52%</u>	Line 3 / Line 13	19

San Diego Gas & Electric Company

Base Period & True Up Period

Statement - AJ Depreciation and Amortization Expenses Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AJ - Workpapers
Depreciation and Amortization Expense

Base Period & True-Up Period 12 - Months Ending December 31, 2016
(\$1,000)

Line No.	Amounts	Reference	Line No.
1	\$ 125,502	Stmt AJ WP; Page AJ-1; Line 11; Col. (2)	1
2			2
3	23,856	Stmt AJ WP; Page AJ-2; Line 1	3
4			4
5	14,880	Stmt AJ WP; Page AJ-3; Line 1	5
6			6
7	60,147	Stmt AJ WP; Page AJ-4; Line 1	7
8			8
9	17.52%	Statement AI; Line 19	9
10			10
11	\$ 4,180	Line 3 x Line 9	11
12			12
13	\$ 2,607	Line 5 x Line 9	13
14			14
15	\$ 10,538	Line 7 x Line 9	15
16			16
17	\$ 142,827	Sum Lines 1; 11; 13; 15	17
18			18
19	\$ -	Stmt AJ WP; Page AJ-1; Line 12; Col. (2)	19
20			20
21	\$ -	Stmt AJ WP; Page AJ-5; Line 11; Col. (2)	21
22			22
23	\$ -	Stmt AJ WP; Page AJ-6; Line 1	23
24			24
25	\$ -	Stmt AJ WP; Page AJ-7; Line 1	25

San Diego Gas & Electric Company

Depreciation & Amortization Workpapers for Transmission Plant

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AJ
DEPRECIATION & AMORTIZATION EXPENSE RELATED TO TRANSMISSION
BASE PERIOD / TRUE UP PERIOD - 12/31/2016
(\$1,000)

Line No.	Account No.	Description	(1) FERC Transmission Expense Per Book	(2) Transmission Expense Ratemaking	Line No.
1	303	Intangibles	\$ -		1
2	350	Land and Land Rights	1,891		2
3	352	Structures and Improvements	8,753		3
4	353	Station Equipment	45,802		4
5	354	Towers and Fixtures	14,996		5
6	355	Poles and Fixtures (a)	20,487		6
7	356	Overhead Conductors & Devices	14,621		7
8	357	Underground Conduit	7,801		8
9	358	Underground Conductors & Devices	7,506		9
10	359	Roads and Trails	5,179		10
11		Subtotal	\$ 127,036	\$ 125,502	11
12		Valley Rainbow Amortization Expense (a)	-	-	12
13		Total Depreciation and Amortization Expense (b)	\$ 127,036	\$ 125,502	13

(a) The Valley Rainbow amortization expense ended on Sept, 2013 and is now fully amortized.

(b) See AJ-1A for derivation of column (1) and (2) transmission expense amounts.

**TRANSMISSION FUNCTIONALIZATION STUDY
DERIVATION OF RECLASSIFIED
DEPRECIATION AND AMORTIZATION EXPENSE
AND RECLASSIFICATION FACTOR**
Balances as of 12/31/2016
In Thousands

Line No.	Account	Description	(1) Total Transmission Accounts 403, 404 & 405	(2) Distribution Accounts 403-405 Expense Reclass to Transmission	(3) Transmission Accounts 403-405 Expense Reclass to Generation	(4) Transmission Accounts 403-405 Expense Reclass to Distribution	(5) Net Transmission Expense 403-405 <small>Sum 1:4</small>	(6) SWPL Ratemaking Adj. Expense	(7) Total Trans Expense Ratemaking (5) + (6)	Line No.
1	182.0	Production Related to Trans								1
2	186.0	Valley Rainbow Ratemaking Adj.	\$ -	\$ -	-	\$ -	-	\$ -	\$ -	2
3	303.0	SWPL Ratemaking Adj. Amort.	-	-	-	-	-	16	16	3
4	360.0	Intangibles	-	-	-	-	-	-	-	4
5	361.0	Land and Land Rights	-	3	-	-	3	-	3	5
6	362.0	Structures & Improvements	-	40	-	-	40	-	40	6
7		Station Equipment	-	-	-	-	-	-	-	7
8										8
9	TOTAL	TRANSMISSION RELATED	-	43	-	-	43	16	58	9
10										10
11	350.0	Land & Land Rights	1,891	-	-	(11)	1,880	-	1,880	11
12	352.0	Structures & Improvements	8,753	-	(42)	(972)	7,739	-	7,739	12
13	353.0	Station Equipment	45,802	-	(439)	(92)	45,270	-	45,270	13
14	354.0	Towers and Fixtures	14,996	-	-	-	14,996	-	14,996	14
15	355.0	Poles and Fixtures	20,487	-	-	-	20,487	-	20,487	15
16	356.0	OH Conductors and Device	14,621	-	-	-	14,621	-	14,621	16
17	357.0	Underground Conduit	7,801	-	(36)	-	7,801	-	7,801	17
18	358.0	UG Conductors & Devices	7,506	-	-	-	7,471	-	7,471	18
19	359.0	Roads & Trails	5,179	-	-	-	5,179	-	5,179	19
20										20
21	TOTAL	TRANSMISSION PLANT	127,036	-	(517)	(1,075)	125,444	-	125,444	21
22										22
23	GRAND TOTAL RECLASS TRANS PLANT		\$ 127,036	\$ 43	\$ (517)	\$ (1,075)	\$ 125,486	\$ 16	\$ 125,502	23

These represents plant depreciation and amortization expense transfers to comply with FERC Order No. 888 and reflect the adjusted transmission plant depreciation and amortization expense.

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AJ - Workpapers

TO4 - Annual Transmission Plant Depreciation Rates ¹

Cycle 5, For 12 - Months Ending December 31, 2016

For Use During the 12-Months Period from January 1 to December 31, 2016

Line No	FERC Account	Description	(a) Life Rate	(b) Removal Rate	(c) = a + b Total Rate	Line No
1	E352.10	Other	1.36%	0.82%	2.18%	1
2	E352.20	SWPL	1.01%	0.61%	1.62%	2
3	E352.60	SRPL	1.39%	0.00%	1.39%	3
4	E352 - Total	Struct & Improv	1.36%	0.59%	1.95%	4
5	E353.10	Other	2.20%	1.32%	3.52%	5
6	E353.20	SWPL	2.51%	1.51%	4.02%	6
7	E353.40	CTC	2.03%	1.22%	3.25%	7
8	E353.60	SRPL	2.01%	0.00%	2.01%	8
9	E353	Station Equip	2.23%	1.19%	3.42%	9
10	E354.10	Other	1.57%	1.56%	3.13%	10
11	E354.20	SWPL	1.33%	1.32%	2.65%	11
12	E354.60	SRPL	1.47%	0.00%	1.47%	12
13	E354	Towers & Fixtrs	1.47%	0.20%	1.67%	13
14	E355.10	Other	2.33%	2.32%	4.65%	14
15	E355.20	SWPL	2.54%	2.54%	5.08%	15
16	E355.60	SRPL	2.26%	0.00%	2.26%	16
17	E355	Poles & Fixtrs	2.33%	2.31%	4.64%	17
18	E356.10	Other	1.60%	1.60%	3.20%	18
19	E356.20	SWPL	0.89%	0.88%	1.77%	19
20	E356.60	SRPL	1.75%	0.00%	1.75%	20
21	E356	OVH Cnd & Dev	1.59%	1.04%	2.63%	21
22	E357.00	Other & SWPL	1.68%	0.75%	2.43%	22
23	E357.60	Other & SRPL	1.69%	0.00%	1.69%	23
24	E357	Trans UG Cnduit	1.68%	0.58%	2.26%	24
25	E358.00	Other & SWPL	1.89%	0.19%	2.08%	25
26	E358.60	Other & SRPL	2.02%	0.00%	2.02%	26
27	E358	Trans UG Cndctr	1.94%	0.12%	2.06%	27
28	E359.10	Other	1.65%	0.00%	1.65%	28
29	E359.20	SWPL	1.44%	0.00%	1.44%	29
30	E359.60	SRPL	1.68%	0.00%	1.68%	30
31	E359	Roads & Trails	1.67%	0.00%	1.67%	31
32						32
33	Composite Depreciation Rate		1.83%	0.83%	2.66%	33

¹ The rates in these subaccounts will not change during the term of the TO4 Formula. Workpapers will be included in each Annual Informational Filing that will calculate the annual composite rates shown on Line 33 pursuant to Term 53 in Appendix VIII.

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AJ
DEPRECIATION & AMORTIZATION EXPENSE RELATED TO TRANSMISSION
PER BOOKS - BASE PERIOD / TRUE UP PERIOD - 12/31/2016
(\$1,000)

Line No.	Description	Amount	Reference	Line No.
1	Total TO4 Cycle 5 Base Period Depreciation Expense Per Books	\$ 127,036	AJ-1, col. 1, line 11	1
2	Less Land & Land Rights Base Period Depreciation Expense per Books	<u>1,891</u>	AJ-1, col. 1, line 2	2
3	Net Transmission TO4 Cycle 5 Base Period Depreciation Expense Per Books	(a) <u>\$ 125,145</u>	Line 1 - Line 2	3

(a) Ties to total transmission depreciation expense in Stmt AJ; Page AJ-1D; 13 of 13; Line 43; Col. 5.

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%											
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	1	2	3	4	5	6	7	8
				Dec-15 Mon End Depr Base	Jan-16 Mon End Depr Base	Jan-16 Wtd. Depr Base	Jan-16 Recorded Expense ^A Life	Jan-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Total Rate
						(Col 1+Col 2) / 2	(Col 4 / Col 3) *12	(Col 5 / Col 3) *12	(Col 4 / Col 3) *12	(Col 5 / Col 3) *12	Col 8 = Col 6 + Col 7
1	E0135210	0.0218	Struct & Improv-Other	\$ 281,673,027.00	\$ 286,730,364.37	\$ 284,201,695.69	\$ 322,095.26	\$ 194,204.49	0.0136	0.0082	0.0218
2	E0135220	0.0162	Struct & Improv-SWPL	10,149,972.29	10,149,972.29	10,149,972.29	8,542.89	5,159.57	0.0101	0.0061	0.0162
3	E0135260	0.0139	Struct & Improv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.58	-	0.0139	-	0.0139
4				412,843,931.35	417,901,268.72	415,372,600.04	470,820.73	199,364.06	0.0136	0.0058	0.0194
5											
6	E0135310	0.0352	Station Equip.-Other	889,018,792.61	898,309,042.18	893,663,917.40	1,638,383.85	983,030.31	0.0220	0.0132	0.0352
7	E0135320	0.0402	Station Equip.-SWPL	214,461,968.22	218,281,882.76	216,371,920.49	452,577.93	272,268.00	0.0251	0.0151	0.0402
8	E0135340	0.0325	Station Equip. - Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325
9	E0135360	0.0201	Station Equip.-SRPL	161,518,937.35	161,537,316.22	161,528,126.79	270,559.61	-	0.0201	-	0.0201
10				1,266,420,081.06	1,279,548,634.04	1,272,984,357.55	2,363,924.22	1,256,742.38	0.0223	0.0118	0.0341
11											
12	E0135410	0.0313	Towers & Fxtrs-Other	66,349,133.90	66,369,583.53	66,359,358.72	86,820.16	86,267.17	0.0157	0.0156	0.0313
13	E0135420	0.0265	Towers & Fxtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265
14	E0135460	0.0147	Towers & Fxtrs-SRPL	767,315,057.31	767,315,057.31	767,315,057.31	939,960.95	-	0.0147	-	0.0147
15				895,652,673.57	895,673,123.20	895,662,898.39	1,095,485.01	154,454.50	0.0147	0.0021	0.0167
16											
17	E0135510	0.0465	Poles & Fxtrs-Other	417,884,701.51	418,499,776.41	418,192,238.96	811,989.93	808,505.00	0.0233	0.0232	0.0465
18	E0135520	0.0508	Poles & Fxtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508
19	E0135560	0.0226	Poles & Fxtrs-SRPL	3,492,567.58	3,492,567.58	3,492,567.58	6,577.67	-	0.0226	-	0.0226
20				431,567,494.61	432,182,569.51	431,875,032.06	840,136.91	830,074.31	0.0233	0.0231	0.0464
21											
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	327,275,177.30	327,615,963.52	327,445,570.41	436,594.09	436,594.09	0.0160	0.0160	0.0320
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247,201.01	46,247,201.01	46,247,201.01	34,300.01	33,914.61	0.0089	0.0088	0.0177
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,635,354.98	173,635,354.98	173,635,354.98	253,218.23	-	0.0175	-	0.0175
25				547,157,733.29	547,498,519.51	547,328,126.40	724,112.33	470,508.70	0.0159	0.0103	0.0262
26											
27	E0135700	0.0243	Trans UG Conduit	255,069,216.65	258,613,387.00	256,841,301.83	359,577.82	160,525.81	0.0168	0.0075	0.0243
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169
29				335,571,294.53	339,115,464.88	337,343,379.71	472,951.58	160,525.81	0.0168	0.0057	0.0225
30											
31	E0135800	0.0208	Trans UG Conductor	228,219,617.50	228,617,511.37	228,418,564.44	359,759.24	36,166.27	0.0189	0.0019	0.0208
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202
33				354,672,080.91	355,069,974.78	354,871,027.85	572,620.89	36,166.27	0.0194	0.0012	0.0206
34											
35	E0135910	0.0165	Roads & Trails-Other	77,261,887.72	77,267,471.22	77,264,679.47	106,238.93	-	0.0165	-	0.0165
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,874,758.19	227,874,758.19	319,024.66	-	0.0168	-	0.0168
38				310,460,591.47	310,466,174.97	310,463,383.22	431,652.32	-	0.0167	-	0.0167
39											
40											
41	Total - January 2016			\$ 4,554,345,880.79	\$ 4,577,455,729.61	\$ 4,565,900,805.20	\$ 6,971,703.99	\$ 3,107,836.03	0.0183	0.0082	0.0265
42											
43											
44	Bolded amount reflects total monthly per book depreciation						(Col. 4 + Col. 5, Line 41)	\$ 10,079,540.02			
45	(A) Depreciation Expense is generated through financial system										

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%		1		2		3		4		5		6		7		8	
		C				(Col 1+Col 2) / 2						(Col 4 / Col 3) *12		(Col 5 / Col 3) *12		Col 8 = Col 6 + Col 7	
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	Feb-16 Mon End Depr Base	Mar-16 Mon End Depr Base	Mar-16 Wtd. Depr Base	Mar-16 Recorded Expense ^A Life	Mar-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Total Rate	Ln No					
1	E0135210	0.0218	Struct & Improv-Other	\$ 290,893,382.88	\$ 291,097,621.36	\$ 290,995,502.12	\$ 329,794.90	\$ 198,846.93	0.0136	0.0082	0.0218	1					
2	E0135220	0.0162	Struct & Improv-SWPL	10,149,972.29	10,149,972.29	10,149,972.29	8,542.89	5,159.57	0.0101	0.0061	0.0162	2					
3	E0135260	0.0139	Struct & Improv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.58	-	0.0139	-	0.0139	3					
4				422,064,287.23	422,268,525.71	422,166,406.47	478,520.37	204,006.50	0.0136	0.0058	0.0194	4					
5											0.0194	5					
6	E0135310	0.0352	Station Equip.-Other	903,359,157.90	907,428,556.26	905,393,857.08	1,659,888.74	995,933.24	0.0220	0.0132	0.0352	6					
7	E0135320	0.0402	Station Equip.-SWPL	218,305,607.10	218,379,063.90	218,342,335.50	456,699.39	274,747.44	0.0251	0.0151	0.0402	7					
8	E0135340	0.0325	Station Equip. - Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325	8					
9	E0135360	0.0201	Station Equip.-SRPL	161,537,969.49	161,538,195.92	161,538,068.71	270,576.29	-	0.0201	-	0.0201	9					
10				1,284,623,127.37	1,288,766,208.96	1,286,694,668.17	2,389,567.25	1,272,124.75	0.0223	0.0119	0.0341	10					
11											0.0341	11					
12	E0135410	0.0313	Towers & Fxtrs-Other	66,147,788.34	66,165,175.92	66,156,482.13	86,554.73	86,003.43	0.0157	0.0156	0.0313	12					
13	E0135420	0.0265	Towers & Fxtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265	13					
14	E0135460	0.0147	Towers & Fxtrs-SRPL	767,315,057.31	767,315,057.31	767,315,057.31	939,960.95	-	0.0147	-	0.0147	14					
15				895,451,328.01	895,468,715.59	895,460,021.80	1,095,219.58	154,190.76	0.0147	0.0021	0.0167	15					
16											0.0167	16					
17	E0135510	0.0425	Poles & Fxtrs-Other	420,565,067.50	421,048,588.44	420,806,827.97	817,066.59	813,559.87	0.0233	0.0232	0.0465	17					
18	E0135520	0.0508	Poles & Fxtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508	18					
19	E0135560	0.0226	Poles & Fxtrs-SRPL	3,492,567.58	3,492,567.58	3,492,567.58	6,577.67	-	0.0226	-	0.0226	19					
20				434,247,860.60	434,731,381.54	434,489,621.07	845,213.57	835,129.18	0.0233	0.0231	0.0464	20					
21											0.0464	21					
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	328,263,940.18	328,771,672.88	328,517,806.53	438,023.74	438,023.74	0.0160	0.0160	0.0320	22					
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247,201.01	46,247,201.01	46,247,201.01	34,300.01	33,914.61	0.0089	0.0088	0.0177	23					
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,635,354.98	173,635,354.98	173,635,354.98	253,218.23	-	0.0175	-	0.0175	24					
25				548,146,496.17	548,654,228.87	548,400,362.52	725,541.98	471,938.35	0.0159	0.0103	0.0262	25					
26											0.0262	26					
27	E0135700	0.0243	Trans UG Conduit	258,740,143.69	258,497,739.54	258,618,941.62	362,066.52	161,636.84	0.0168	0.0075	0.0243	27					
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169	28					
29				339,242,221.57	338,999,817.42	339,121,019.50	475,440.28	161,636.84	0.0166	0.0057	0.0225	29					
30											0.0225	30					
31	E0135800	0.0208	Trans UG Conductor	232,089,029.76	232,971,367.45	232,530,198.61	366,235.06	36,817.28	0.0189	0.0019	0.0208	31					
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202	32					
33				358,541,493.17	359,423,830.86	358,982,662.02	579,096.71	36,817.28	0.0194	0.0012	0.0206	33					
34											0.0206	34					
35	E0135910	0.0165	Roads & Trails-Other	77,676,122.91	77,682,825.76	77,679,474.34	106,809.28	-	0.0165	-	0.0165	35					
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144	36					
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,874,758.19	227,874,758.19	319,024.66	-	0.0168	-	0.0168	37					
38				310,874,826.66	310,881,529.51	310,878,178.09	432,222.67	-	0.0167	-	0.0167	38					
39											0.0167	39					
40											0.0167	40					
41	Total - March 2016			\$ 4,593,191,640.78	\$ 4,599,194,238.46	\$ 4,596,192,939.62	\$ 7,020,822.41	\$ 3,135,843.66	0.0183	0.0082	0.0265	41					
42											0.0265	42					
43											0.0265	43					
44	Bolded amount reflects total monthly per book depreciation										0.0265	44					
45	(A) Depreciation Expense is generated through financial system										0.0265	45					

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

		TO4 Depreciation Rate - Composite 2.52%														
		C		3		4		5		6		7		8		
				(Col 1+Col 2) / 2						(Col 4 / Col 3) *12		(Col 5 / Col 3) *12		Col 8 = Col 6 + Col 7		
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	Mar-16 Mon End Depr Base	Apr-16 Mon End Depr Base	Apr-16 Wtd. Depr Base	Apr-16 Recorded Expense ^A Life	Apr-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Total Rate	Ln No				
1	E0135210	0.0218	Struct & Imprv-Other	\$ 291,097,621.36	\$ 294,476,633.27	\$ 292,787,127.32	\$ 331,825.41	\$ 200,071.20	0.0136	0.0082	0.0218	1				
2	E0135220	0.0162	Struct & Imprv-SWPL	10,149,972.29	10,149,972.29	10,149,972.29	8,542.89	5,159.57	0.0101	0.0061	0.0162	2				
3	E0135260	0.0139	Struct & Imprv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.98	-	0.0139	-	0.0139	3				
4				422,268,525.71	425,647,537.62	423,958,031.67	480,550.88	205,230.77	0.0136	0.0058	0.0194	4				
5												5				
6	E0135310	0.0352	Station Equip.-Other	907,428,556.26	913,372,637.01	910,400,596.64	1,669,067.76	1,001,440.66	0.0220	0.0132	0.0352	6				
7	E0135320	0.0402	Station Equip.-SWPL	218,379,063.90	218,434,627.49	218,406,845.70	456,834.32	274,828.61	0.0251	0.0151	0.0402	7				
8	E0135340	0.0325	Station Equip.-Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325	8				
9	E0135360	0.0201	Station Equip.-SRPL	161,538,195.92	161,538,272.49	161,538,234.21	270,576.54	-	0.0201	-	0.0201	9				
10				1,288,766,208.96	1,294,765,929.87	1,291,766,069.42	2,398,881.45	1,277,713.34	0.0223	0.0119	0.0342	10				
11												11				
12	E0135410	0.0313	Towers & Fixtrs-Other	66,165,175.92	66,180,108.44	66,172,642.18	86,575.87	86,024.43	0.0157	0.0156	0.0313	12				
13	E0135420	0.0265	Towers & Fixtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265	13				
14	E0135460	0.0147	Towers & Fixtrs-SRPL	767,315,057.31	767,315,057.31	767,315,057.31	939,960.95	-	0.0147	-	0.0147	14				
15				895,468,715.59	895,483,648.11	895,476,181.85	1,095,240.72	154,211.76	0.0147	0.0021	0.0167	15				
16												16				
17	E0135510	0.0425	Poles & Fixtrs-Other	421,048,588.44	421,532,992.42	421,290,790.43	818,006.28	814,495.53	0.0233	0.0232	0.0465	17				
18	E0135520	0.0508	Poles & Fixtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508	18				
19	E0135560	0.0226	Poles & Fixtrs-SRPL	3,492,567.58	3,492,567.58	3,492,567.58	6,577.67	-	0.0226	-	0.0226	19				
20				434,731,381.54	435,215,785.52	434,973,583.53	846,153.26	836,064.84	0.0233	0.0231	0.0464	20				
21												21				
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	328,771,672.88	329,174,873.95	328,973,273.42	438,631.03	438,631.03	0.0160	0.0160	0.0320	22				
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247,201.01	46,247,201.01	46,247,201.01	34,300.01	33,914.61	0.0089	0.0088	0.0177	23				
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,635,354.98	173,635,354.98	173,635,354.98	253,218.23	-	0.0175	-	0.0175	24				
25				548,654,228.87	549,057,429.94	548,855,829.41	726,149.27	472,545.64	0.0159	0.0103	0.0262	25				
26												26				
27	E0135700	0.0243	Trans UG Conduit	258,497,739.54	258,532,155.59	258,514,947.57	361,920.93	161,571.84	0.0168	0.0075	0.0243	27				
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169	28				
29				338,999,817.42	339,034,233.47	339,017,025.45	475,294.69	161,571.84	0.0168	0.0057	0.0225	29				
30												30				
31	E0135800	0.0208	Trans UG Conductor	232,971,367.45	233,028,440.02	232,999,903.74	366,974.85	36,891.65	0.0189	0.0019	0.0208	31				
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202	32				
33				359,423,830.86	359,480,903.43	359,452,367.15	579,836.50	36,891.65	0.0194	0.0012	0.0206	33				
34												34				
35	E0135910	0.0165	Roads & Trails-Other	77,682,825.76	77,682,764.79	77,682,795.28	106,813.84	-	0.0165	-	0.0165	35				
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144	36				
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,874,758.19	227,874,758.19	319,024.66	-	0.0168	-	0.0168	37				
38				310,881,529.51	310,881,468.54	310,881,499.03	432,227.23	-	0.0167	-	0.0167	38				
39												39				
40												40				
41	Total - April 2016			\$ 4,599,194,238.46	\$ 4,609,566,936.50	\$ 4,604,380,587.48	\$ 7,034,334.00	\$ 3,144,229.84	0.0183	0.0082	0.0265	41				
42												42				
43												43				
44	Bolded amount reflects total monthly per book depreciation											44				
45	(A) Depreciation Expense is generated through financial system											45				

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%		C		1		2		3		4		5		6		7		8	
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	Apr-16 Mon End Depr Base	May-16 Mon End Depr Base	May-16 Wtd. Depr Base	May-16 Recorded Life	May-16 Recorded Expense ^A	May-16 Recorded Expense ^A	May-16 Recorded Removal	Depr Rate Life	Depr Rate Removal	Total Rate	Ln No					
						(Col 1+Col 2) / 2				(Col 4 / Col 3) *12		(Col 5 / Col 3) *12		Col 8 = Col 6 + Col 7					
1	E0135210	0.0218	Struct & Imprv-Other	\$ 294,476,633.27	\$ 301,215,640.35	\$ 297,846,136.81	\$ 337,558.96	\$ 203,528.19	0.0136	0.0082	0.0218	1							
2	E0135220	0.0162	Struct & Imprv-SWPL	10,149,972.29	14,214,599.80	12,182,286.05	10,253.42	6,192.66	0.0101	0.0061	0.0162	2							
3	E0135260	0.0139	Struct & Imprv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.58	-	0.0139	-	0.0139	3							
4				425,647,537.62	436,451,172.21	431,049,354.92	487,994.96	209,720.85	0.0136	0.0058	0.0194	4							
5												5							
6	E0135310	0.0352	Station Equip.-Other	913,372,637.01	918,888,338.98	916,130,488.00	1,679,572.56	1,007,743.54	0.0220	0.0132	0.0352	6							
7	E0135320	0.0402	Station Equip.-SWPL	218,434,627.49	224,686,410.79	221,560,519.14	463,430.75	278,796.99	0.0251	0.0151	0.0402	7							
8	E0135340	0.0325	Station Equip. - Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325	8							
9	E0135360	0.0201	Station Equip.-SRPL	161,538,272.49	161,538,272.49	161,538,272.49	270,576.61	-	0.0201	-	0.0201	9							
10				1,294,765,929.87	1,306,533,415.14	1,300,649,672.51	2,415,982.75	1,287,984.60	0.0223	0.0119	0.0342	10							
11												11							
12	E0135410	0.0313	Towers & Fxtrs-Other	66,180,108.44	66,182,477.43	66,181,292.94	86,587.19	86,035.68	0.0157	0.0156	0.0313	12							
13	E0135420	0.0265	Towers & Fxtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265	13							
14	E0135460	0.0147	Towers & Fxtrs-SRPL	767,315,057.31	767,315,057.31	767,315,057.31	939,960.95	-	0.0147	-	0.0147	14							
15				895,483,648.11	895,486,017.10	895,484,832.61	1,095,252.04	154,223.01	0.0147	0.0021	0.0167	15							
16												16							
17	E0135510	0.0425	Poles & Fxtrs-Other	421,532,992.42	421,989,347.97	421,761,170.20	818,919.61	815,404.93	0.0233	0.0232	0.0465	17							
18	E0135520	0.0508	Poles & Fxtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508	18							
19	E0135560	0.0226	Poles & Fxtrs-SRPL	3,492,567.58	3,492,567.58	3,492,567.58	6,577.67	-	0.0226	-	0.0226	19							
20				435,215,785.52	435,672,141.07	435,443,963.30	847,066.59	836,974.24	0.0233	0.0231	0.0464	20							
21												21							
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	329,174,873.95	329,816,208.22	329,495,541.09	439,327.39	439,327.39	0.0160	0.0160	0.0320	22							
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247,201.01	46,247,201.01	46,247,201.01	34,300.01	33,914.61	0.0089	0.0088	0.0177	23							
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,635,354.98	173,635,354.98	173,635,354.98	253,218.23	-	0.0175	-	0.0175	24							
25				549,057,429.94	549,698,764.21	549,378,097.08	726,845.63	473,242.00	0.0159	0.0103	0.0262	25							
26												26							
27	E0135700	0.0243	Trans UG Conduit	258,532,155.59	258,725,263.31	258,628,709.45	362,080.19	161,642.94	0.0168	0.0075	0.0243	27							
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169	28							
29				339,034,233.47	339,227,341.19	339,130,787.33	475,453.95	161,642.94	0.0168	0.0057	0.0225	29							
30												30							
31	E0135800	0.0208	Trans UG Conductor	233,028,440.02	233,235,373.59	233,131,906.81	367,182.75	36,912.55	0.0189	0.0019	0.0208	31							
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202	32							
33				359,480,903.43	359,687,837.00	359,584,370.22	580,044.40	36,912.55	0.0194	0.0012	0.0206	33							
34												34							
35	E0135910	0.0165	Roads & Trails-Other	77,682,764.79	77,683,913.20	77,683,339.00	106,814.59	-	0.0165	-	0.0165	35							
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144	36							
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,874,758.19	227,874,758.19	319,024.66	-	0.0168	-	0.0168	37							
38				310,881,468.54	310,882,616.95	310,882,042.75	432,227.98	-	0.0167	-	0.0167	38							
39												39							
40												40							
41	Total - May 2016			\$ 4,609,566,936.50	\$ 4,633,639,304.87	\$ 4,621,603,120.69	\$ 7,060,868.30	\$ 3,160,700.19	0.0183	0.0082	0.0265	41							
42												42							
43												43							
44	Bolded amount reflects total monthly per book depreciation											44							
45	(A) Depreciation Expense is generated through financial system											45							

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%		C		1		2		3		4		5		6		7		8	
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	May-16 Mon End Depr Base	Jun-16 Mon End Depr Base	Jun-16 Wtd. Depr Base	Jun-16 Recorded Expense ^A Life	Jun-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Total Rate	Ln No							
1	E0135210	0.0218	Struct & Imprv-Other	\$ 301,215,640.35	\$ 326,197,909.21	\$ 313,706,774.78	\$ 355,534.34	\$ 214,366.30	0.0136	0.0082	0.0218	1							
2	E0135220	0.0162	Struct & Imprv-SWPL	14,214,599.80	14,362,568.05	14,288,583.93	12,026.22	7,263.36	0.0101	0.0061	0.0162	2							
3	E0135260	0.0139	Struct & Imprv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.58	-	0.0139	-	0.0139	3							
4				436,451,172.21	461,581,409.32	449,016,290.77	507,743.14	221,629.66	0.0136	0.0059	0.0195	4							
5												5							
6	E0135310	0.0352	Station Equip.-Other	918,888,338.98	970,051,338.75	944,469,838.87	1,731,528.04	1,038,916.82	0.0220	0.0132	0.0352	6							
7	E0135320	0.0402	Station Equip.-SWPL	224,686,410.79	224,877,115.97	224,781,763.38	470,168.52	282,850.39	0.0251	0.0151	0.0402	7							
8	E0135340	0.0325	Station Equip.-Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325	8							
9	E0135360	0.0201	Station Equip.-SRPL	161,538,272.49	161,538,272.49	161,538,272.49	270,576.61	-	0.0201	-	0.0201	9							
10				1,306,533,415.14	1,357,887,120.09	1,332,210,267.62	2,474,676.00	1,323,211.28	0.0223	0.0119	0.0342	10							
11												11							
12	E0135410	0.0313	Towers & Fxtrs-Other	66,182,477.43	66,079,446.39	66,130,961.91	86,521.34	85,970.25	0.0157	0.0156	0.0313	12							
13	E0135420	0.0265	Towers & Fxtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265	13							
14	E0135460	0.0147	Towers & Fxtrs-SRPL	767,315,057.31	767,315,057.31	767,315,057.31	939,960.95	-	0.0147	-	0.0147	14							
15				895,486,017.10	895,382,986.06	895,434,501.58	1,095,186.19	154,157.58	0.0147	0.0021	0.0167	15							
16												16							
17	E0135510	0.0425	Poles & Fxtrs-Other	421,989,347.97	425,510,568.97	423,749,958.47	822,781.17	819,249.92	0.0233	0.0232	0.0465	17							
18	E0135520	0.0508	Poles & Fxtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508	18							
19	E0135560	0.0226	Poles & Fxtrs-SRPL	3,492,567.58	3,492,567.58	3,492,567.58	6,577.67	-	0.0226	-	0.0226	19							
20				435,672,141.07	439,193,362.07	437,432,751.57	850,928.15	840,819.23	0.0233	0.0231	0.0464	20							
21												21							
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	329,816,208.22	332,935,741.47	331,375,974.85	441,834.63	441,834.63	0.0160	0.0160	0.0320	22							
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247,201.01	46,247,201.01	46,247,201.01	34,300.01	33,914.61	0.0089	0.0088	0.0177	23							
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,635,354.98	173,635,354.98	173,635,354.98	253,218.23	-	0.0175	-	0.0175	24							
25				549,698,764.21	552,818,297.46	551,258,530.84	729,352.87	475,749.24	0.0159	0.0104	0.0262	25							
26												26							
27	E0135700	0.0243	Trans UG Conduit	258,725,263.31	263,326,232.44	261,025,747.88	365,436.05	163,141.09	0.0168	0.0075	0.0243	27							
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169	28							
29				339,227,341.19	343,828,310.32	341,527,825.76	478,809.81	163,141.09	0.0168	0.0057	0.0226	29							
30												30							
31	E0135800	0.0208	Trans UG Conductor	233,235,373.59	238,026,055.15	235,630,714.37	371,118.38	37,308.20	0.0189	0.0019	0.0208	31							
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202	32							
33				359,687,837.00	364,478,518.56	362,083,177.78	583,980.03	37,308.20	0.0194	0.0012	0.0206	33							
34												34							
35	E0135910	0.0165	Roads & Trails-Other	77,683,913.20	77,705,486.99	77,694,700.10	106,830.21	-	0.0165	-	0.0165	35							
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144	36							
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,874,758.19	227,874,758.19	319,024.66	-	0.0168	-	0.0168	37							
38				310,882,616.95	310,904,190.74	310,893,403.85	432,243.60	-	0.0167	-	0.0167	38							
39												39							
40												40							
41	Total - June 2016			\$ 4,633,639,304.87	\$ 4,726,074,194.62	\$ 4,679,856,749.75	\$ 7,152,919.79	\$ 3,216,016.28	0.0183	0.0082	0.0266	41							
42												42							
43												43							
44	Bolded amount reflects total monthly per book depreciation											44							
45	(A) Depreciation Expense is generated through financial system											45							

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%		1		2		3		4		5		6		7		8	
A		B		C		C		C		C		C		C		C	
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	Jun-16 Mon End Depr Base	Jul-16 Mon End Depr Base	Jul-16 Wtd. Depr Base	Jul-16 Recorded Expense ^A Life	Jul-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Total Rate	Ln No					
1	E0135210	0.0218	Struct & Imprv-Other	\$ 326,197,909.21	\$ 329,421,223.56	\$ 327,809,566.39	\$ 371,517.51	\$ 224,003.20	0.0136	0.0082	0.0218	1					
2	E0135220	0.0162	Struct & Imprv-SWPL	14,362,568.05	14,424,612.21	14,393,590.13	12,114.61	7,316.74	0.0101	0.0061	0.0162	2					
3	E0135260	0.0139	Struct & Imprv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.98	-	0.0139	-	0.0139	3					
4				461,581,409.32	464,866,767.83	463,224,088.58	523,319.94	231,319.94	0.0136	0.0060	0.0196	4					
5												5					
6	E0135310	0.0352	Station Equip.-Other	970,051,338.75	984,304,777.77	977,178,058.26	1,791,493.11	1,074,895.86	0.0220	0.0132	0.0352	6					
7	E0135320	0.0402	Station Equip.-SWPL	224,877,115.97	224,922,793.37	224,899,954.67	470,415.74	282,999.11	0.0251	0.0151	0.0402	7					
8	E0135340	0.0325	Station Equip. - Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325	8					
9	E0135360	0.0201	Station Equip.-SRPL	161,538,272.49	161,538,272.49	161,538,272.49	270,576.61	-	0.0201	-	0.0201	9					
10				1,357,887,120.09	1,372,186,236.51	1,365,036,678.30	2,534,888.29	1,359,339.04	0.0223	0.0119	0.0342	10					
11												11					
12	E0135410	0.0313	Towers & Fxtrs-Other	66,079,446.39	66,079,446.39	66,079,446.39	86,453.94	85,903.28	0.0157	0.0156	0.0313	12					
13	E0135420	0.0265	Towers & Fxtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265	13					
14	E0135460	0.0147	Towers & Fxtrs-SRPL	767,315,057.31	767,315,057.31	767,315,057.31	939,960.95	-	0.0147	-	0.0147	14					
15				895,382,986.06	895,382,986.06	895,382,986.06	1,095,118.79	154,090.61	0.0147	0.0021	0.0167	15					
16												16					
17	E0135510	0.0425	Poles & Fxtrs-Other	425,510,568.97	427,333,355.30	426,421,962.14	827,969.31	824,415.79	0.0233	0.0232	0.0465	17					
18	E0135520	0.0508	Poles & Fxtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508	18					
19	E0135560	0.0226	Poles & Fxtrs-SRPL	3,492,567.58	3,492,567.58	3,492,567.58	6,577.67	-	0.0226	-	0.0226	19					
20				439,193,362.07	441,016,148.40	440,104,755.24	856,116.29	845,985.10	0.0233	0.0231	0.0464	20					
21												21					
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	332,935,741.47	334,751,585.18	333,843,663.33	445,124.88	445,124.88	0.0160	0.0160	0.0320	22					
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247,201.01	46,247,201.01	46,247,201.01	34,300.01	33,914.61	0.0089	0.0088	0.0177	23					
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,635,354.98	173,635,354.98	173,635,354.98	253,218.23	-	0.0175	-	0.0175	24					
25				552,818,297.46	554,634,141.17	553,726,219.32	732,643.12	479,039.49	0.0159	0.0104	0.0263	25					
26												26					
27	E0135700	0.0243	Trans UG Conduit	263,326,232.44	268,360,142.98	265,843,187.71	372,180.46	166,151.99	0.0168	0.0075	0.0243	27					
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169	28					
29				343,828,310.32	348,862,220.86	346,345,265.59	485,554.22	166,151.99	0.0168	0.0058	0.0226	29					
30												30					
31	E0135800	0.0208	Trans UG Conductor	238,026,055.15	241,340,091.16	239,683,073.16	377,500.84	37,949.82	0.0189	0.0019	0.0208	31					
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202	32					
33				364,478,518.56	367,792,554.57	366,135,536.57	590,362.49	37,949.82	0.0193	0.0012	0.0206	33					
34												34					
35	E0135910	0.0165	Roads & Trails-Other	77,705,486.99	76,808,108.01	77,256,797.50	106,228.10	-	0.0165	-	0.0165	35					
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144	36					
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,874,758.19	227,874,758.19	319,024.66	-	0.0168	-	0.0168	37					
38				310,904,190.74	310,006,811.76	310,455,501.25	431,641.49	-	0.0167	-	0.0167	38					
39												39					
40												40					
41	Total - July 2016			\$ 4,726,074,194.62	\$ 4,754,747,867.16	\$ 4,740,411,030.89	\$ 7,250,139.39	\$ 3,273,875.99	0.0184	0.0083	0.0266	41					
42												42					
43												43					
44	Bolded amount reflects total monthly per book depreciation											44					
45	(A) Depreciation Expense is generated through financial system											45					

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%		C		1	2	3	4	5	6	7	8
A	B	C		D		E		F		G	
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	Jul-16 Mon End Depr Base	Aug-16 Mon End Depr Base	Aug-16 Wtd. Depr Base	Aug-16 Recorded Expense ^A Life	Aug-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Total Rate
							(Col 1+Col 2) / 2		(Col 4 / Col 3) *12	(Col 5 / Col 3) *12	Col 8 = Col 6 + Col 7
1	E0135210	0.0218	Struct & Imprv-Other	\$ 329,421,223.56	\$ 335,442,116.89	\$ 332,431,670.23	\$ 376,755.89	\$ 227,161.64	0.0136	0.0082	0.0218
2	E0135220	0.0162	Struct & Imprv-SWPL	14,424,612.21	14,450,640.83	14,437,626.52	12,151.67	7,339.13	0.0101	0.0061	0.0162
3	E0135260	0.0139	Struct & Imprv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.98	-	0.0139	-	0.0139
4				464,866,767.83	470,913,689.78	467,890,228.81	529,090.14	234,500.77	0.0136	0.0060	0.0196
5											
6	E0135310	0.0352	Station Equip.-Other	984,304,777.77	1,001,429,780.32	992,867,279.05	1,820,256.68	1,092,154.01	0.0220	0.0132	0.0352
7	E0135320	0.0402	Station Equip.-SWPL	224,922,793.37	217,433,730.59	221,178,261.98	462,631.20	278,315.98	0.0251	0.0151	0.0402
8	E0135340	0.0325	Station Equip. - Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325
9	E0135360	0.0201	Station Equip.-SRPL	161,538,272.49	161,535,715.47	161,536,993.98	270,574.46	-	0.0201	-	0.0201
10				1,372,186,236.51	1,381,819,619.26	1,377,002,927.89	2,555,865.17	1,371,914.06	0.0223	0.0120	0.0342
11											
12	E0135410	0.0313	Towers & Fxtrs-Other	66,079,446.39	66,071,365.86	66,075,406.13	86,448.66	85,898.03	0.0157	0.0156	0.0313
13	E0135420	0.0265	Towers & Fxtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265
14	E0135460	0.0147	Towers & Fxtrs-SRPL	767,315,057.31	767,315,057.31	767,315,057.31	939,960.95	-	0.0147	-	0.0147
15				895,382,986.06	895,374,905.53	895,378,945.80	1,095,113.51	154,085.36	0.0147	0.0021	0.0167
16											
17	E0135510	0.0425	Poles & Fxtrs-Other	427,333,355.30	429,236,685.11	428,285,020.21	831,586.75	828,017.71	0.0233	0.0232	0.0465
18	E0135520	0.0508	Poles & Fxtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508
19	E0135560	0.0226	Poles & Fxtrs-SRPL	3,492,567.58	3,343,699.14	3,418,133.36	6,437.48	-	0.0226	-	0.0226
20				441,016,148.40	442,770,609.77	441,893,379.09	859,593.54	849,587.02	0.0233	0.0231	0.0464
21											
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	334,751,585.18	342,324,834.29	338,538,209.74	451,384.28	451,384.28	0.0160	0.0160	0.0320
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247,201.01	46,247,192.52	46,247,196.77	34,300.00	33,914.61	0.0089	0.0088	0.0177
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,635,354.98	173,635,354.98	173,635,354.98	253,218.23	-	0.0175	-	0.0175
25				554,634,141.17	562,207,381.79	558,420,761.48	738,902.51	485,298.89	0.0159	0.0104	0.0263
26											
27	E0135700	0.0243	Trans UG Conduit	268,360,142.98	270,456,676.63	269,408,409.81	377,171.77	168,380.26	0.0168	0.0075	0.0243
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169
29				348,862,220.86	350,958,754.51	349,910,487.69	490,545.53	168,380.26	0.0168	0.0058	0.0226
30											
31	E0135800	0.0208	Trans UG Conductor	241,340,091.16	243,597,558.56	242,468,824.86	381,888.40	38,390.90	0.0189	0.0019	0.0208
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202
33				367,792,554.57	370,050,021.97	368,921,288.27	594,750.05	38,390.90	0.0193	0.0012	0.0206
34											
35	E0135910	0.0165	Roads & Trails-Other	76,808,108.01	76,821,113.67	76,814,610.84	105,620.09	-	0.0165	-	0.0165
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,874,758.19	227,874,758.19	319,024.66	-	0.0168	-	0.0168
38				310,006,811.76	310,019,817.42	310,013,314.59	431,033.48	-	0.0167	-	0.0167
39											
40											
41	Total - August 2016			\$ 4,754,747,867.16	\$ 4,784,114,800.03	\$ 4,769,431,333.60	\$ 7,294,893.93	\$ 3,302,157.26	0.0184	0.0083	0.0267
42											
43											
44	Bolded amount reflects total monthly per book depreciation										
44	(A) Depreciation Expense is generated through financial system										
45											

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%		C		1		2		3		4		5		6		7		8	
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	Aug-16 Mon End Depr Base	Sep-16 Mon End Depr Base	Sep-16 Wtd. Depr Base	Sep-16 Recorded Expense ^A Life	Sep-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Total Rate	Ln No							
1	E0135210	0.0218	Struct & Imprv-Other	\$ 335,442.11689	\$ 336,403.37710	\$ 335,922.74700	\$ 380,712.45	\$ 229,547.21	0.0136	0.0082	0.0218	1							
2	E0135220	0.0162	Struct & Imprv-SWPL	14,450.64083	14,464.53724	14,457.58904	12,168.47	7,349.27	0.0101	0.0061	0.0162	2							
3	E0135260	0.0139	Struct & Imprv-SRPL	121,020.93206	121,020.93206	121,020.93206	140,182.98	-	0.0139	-	0.0139	3							
4				470,913.68978	471,888.84640	471,401.26809	533,063.50	236,896.48	0.0136	0.0060	0.0196	4							
5												5							
6	E0135310	0.0352	Station Equip.-Other	1,001,429.78032	1,004,757.95877	1,003,093.86955	1,839,005.43	1,103,403.26	0.0220	0.0132	0.0352	6							
7	E0135320	0.0402	Station Equip.-SWPL	217,433.73059	217,405.56050	217,419.64555	454,769.43	273,586.39	0.0251	0.0151	0.0402	7							
8	E0135340	0.0325	Station Equip.-Generation	1,420.39288	1,420.39288	1,420.39288	2,402.83	1,444.07	0.0203	0.0122	0.0325	8							
9	E0135360	0.0201	Station Equip.-SRPL	161,535.71547	161,535.71547	161,535.71547	270,572.32	-	0.0201	-	0.0201	9							
10				1,381,819.61926	1,385,119.62762	1,383,469.62344	2,566,750.01	1,378,433.72	0.0223	0.0120	0.0342	10							
11												11							
12	E0135410	0.0313	Towers & Fxtrs-Other	66,071.36586	66,484.81074	66,278.08830	86,713.83	86,161.51	0.0157	0.0156	0.0313	12							
13	E0135420	0.0265	Towers & Fxtrs-SWPL	61,988.48236	61,988.48236	61,988.48236	68,703.90	68,187.33	0.0133	0.0132	0.0265	13							
14	E0135460	0.0147	Towers & Fxtrs-SRPL	767,315.05731	767,315.05731	767,315.05731	939,960.95	-	0.0147	-	0.0147	14							
15				895,374.90553	895,788.35041	895,581.62797	1,095,378.68	154,348.84	0.0147	0.0021	0.0167	15							
16												16							
17	E0135510	0.0425	Poles & Fxtrs-Other	429,236.68511	438,766.74382	434,001,714.47	842,686.66	839,069.98	0.0233	0.0232	0.0465	17							
18	E0135520	0.0508	Poles & Fxtrs-SWPL	10,190.22552	10,190.22552	10,190.22552	21,569.31	21,569.31	0.0254	0.0254	0.0508	18							
19	E0135560	0.0226	Poles & Fxtrs-SRPL	3,343.69914	3,343.69914	3,343.69914	6,297.30	-	0.0226	-	0.0226	19							
20				442,770.60977	452,300.66848	447,535.63913	870,553.27	860,639.29	0.0233	0.0231	0.0464	20							
21												21							
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	342,324.83429	348,087.13694	345,205.98562	460,274.65	460,274.65	0.0160	0.0160	0.0320	22							
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247.19252	46,247.19252	46,247.19252	34,300.00	33,914.61	0.0089	0.0088	0.0177	23							
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,635.35498	173,525.51867	173,580.43683	253,138.14	-	0.0175	-	0.0175	24							
25				562,207.38179	567,859.84813	565,033.61496	747,712.79	494,189.26	0.0159	0.0105	0.0264	25							
26												26							
27	E0135700	0.0243	Trans UG Conduit	270,456.67663	273,321.08718	271,888.88191	380,644.43	169,930.55	0.0168	0.0075	0.0243	27							
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502.07788	80,502.07788	80,502.07788	113,373.76	-	0.0169	-	0.0169	28							
29				350,958.75451	353,823.16506	352,390.95979	494,018.19	169,930.55	0.0168	0.0058	0.0226	29							
30												30							
31	E0135800	0.0208	Trans UG Conductor	243,597.55856	245,928.72170	244,563.14013	385,186.95	38,722.50	0.0189	0.0019	0.0208	31							
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452.46341	126,452.46341	126,452.46341	212,861.65	-	0.0202	-	0.0202	32							
33				370,050.02197	371,981.18511	371,015.60354	598,048.60	38,722.50	0.0193	0.0013	0.0206	33							
34												34							
35	E0135910	0.0165	Roads & Trails-Other	76,821.11367	76,842.00414	76,831.55891	105,643.39	-	0.0165	-	0.0165	35							
36	E0135920	0.0144	Roads & Trails-SWPL	5,323.94556	5,323.94556	5,323.94556	6,388.73	-	0.0144	-	0.0144	36							
37	E0135960	0.0168	Roads & Trails-SRPL	227,874.75819	227,874.75819	227,874.75819	319,024.66	-	0.0168	-	0.0168	37							
38				310,019.81742	310,040.70789	310,030.26266	431,056.78	-	0.0167	-	0.0167	38							
39												39							
40												40							
41	Total - September 2016			\$ 4,784,114,800.03	\$ 4,808,802,399.10	\$ 4,796,458,599.57	\$ 7,336,581.82	\$ 3,333,160.64	0.0184	0.0083	0.0267	41							
42												42							
43												43							
44	Bolded amount reflects total monthly per book depreciation											44							
45	(A) Depreciation Expense is generated through financial system											45							

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%		C		1		2		3		4		5		6		7		8	
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	Mon End Depr Base	Sep-16 Mon End Depr Base	Oct-16 Mon End Depr Base	Oct-16 Wtd. Depr Base	Oct-16 Recorded Expense ^A Life	Oct-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Depr Rate	Total Rate	Ln No					
						(Col 1+Col 2) / 2				(Col 5 / Col 3) *12		(Col 8 = Col 6 + Col 7)							
1	E0135210	0.0218	Struct & Imprv-Other	\$ 336,403,377.10	\$ 336,655,645.18	\$ 336,529,511.14	\$ 381,400.11	\$ 229,961.83	0.0136	0.0082	0.0218	1							
2	E0135220	0.0162	Struct & Imprv-SWPL	14,464,537.24	14,488,589.45	14,476,563.35	12,184.44	7,358.92	0.0101	0.0061	0.0162	2							
3	E0135260	0.0139	Struct & Imprv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.98	-	0.0139	-	0.0139	3							
4				471,888,846.40	472,165,166.69	472,027,006.55	533,767.13	237,320.75	0.0136	0.0060	0.0196	4							
5												5							
6	E0135310	0.0352	Station Equip.-Other	1,004,757,958.77	1,006,612,338.06	1,005,685,148.42	1,843,756.11	1,106,253.66	0.0220	0.0132	0.0352	6							
7	E0135320	0.0402	Station Equip.-SWPL	217,405,560.50	219,365,055.16	218,385,307.83	456,789.27	274,801.51	0.0251	0.0151	0.0402	7							
8	E0135340	0.0325	Station Equip.-Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325	8							
9	E0135360	0.0201	Station Equip.-SRPL	161,535,715.47	161,535,754.58	161,535,735.03	270,572.36	-	0.0201	-	0.0201	9							
10				1,385,119,627.62	1,388,933,540.68	1,387,026,584.15	2,673,520.57	1,382,499.24	0.0223	0.0120	0.0342	10							
11												11							
12	E0135410	0.0313	Towers & Fxtrs-Other	66,484,810.74	66,502,307.05	66,493,558.90	86,995.74	86,441.63	0.0157	0.0156	0.0313	12							
13	E0135420	0.0265	Towers & Fxtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265	13							
14	E0135460	0.0147	Towers & Fxtrs-SRPL	767,315,057.31	767,315,057.31	767,315,057.31	939,960.95	-	0.0147	-	0.0147	14							
15				895,788,350.41	895,805,846.72	895,797,098.57	1,095,660.59	154,628.96	0.0147	0.0021	0.0167	15							
16												16							
17	E0135510	0.0425	Poles & Fxtrs-Other	438,766,743.82	439,913,425.80	439,340,084.81	853,052.00	849,390.83	0.0233	0.0232	0.0465	17							
18	E0135520	0.0508	Poles & Fxtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508	18							
19	E0135560	0.0226	Poles & Fxtrs-SRPL	3,343,699.14	3,343,699.14	3,343,699.14	6,297.30	-	0.0226	-	0.0226	19							
20				452,300,668.48	453,447,350.46	452,874,009.47	880,918.61	870,960.14	0.0233	0.0231	0.0464	20							
21												21							
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	348,087,136.94	348,319,472.08	348,203,304.51	464,271.07	464,271.07	0.0160	0.0160	0.0320	22							
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247,192.52	46,247,192.52	46,247,192.52	34,300.00	33,914.61	0.0089	0.0088	0.0177	23							
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,525,518.67	173,525,518.67	173,525,518.67	253,058.05	-	0.0175	-	0.0175	24							
25				567,859,848.13	568,092,183.27	567,976,015.70	751,629.12	498,185.68	0.0159	0.0105	0.0264	25							
26												26							
27	E0135700	0.0243	Trans UG Conduit	273,321,087.18	273,635,223.32	273,478,155.25	382,869.42	170,923.85	0.0168	0.0075	0.0243	27							
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169	28							
29				353,823,165.06	354,137,301.20	353,980,233.13	496,243.18	170,923.85	0.0168	0.0058	0.0226	29							
30												30							
31	E0135800	0.0208	Trans UG Conductor	245,528,721.70	245,582,742.47	245,555,732.09	386,750.28	38,879.66	0.0189	0.0019	0.0208	31							
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202	32							
33				371,981,185.11	372,035,205.88	372,008,195.50	599,611.93	38,879.66	0.0193	0.0013	0.0206	33							
34												34							
35	E0135910	0.0165	Roads & Trails-Other	76,842,004.14	76,846,484.97	76,844,244.56	105,660.84	-	0.0165	-	0.0165	35							
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144	36							
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,874,758.19	227,874,758.19	319,024.66	-	0.0168	-	0.0168	37							
38				310,040,707.89	310,045,188.72	310,042,948.31	431,074.23	-	0.0167	-	0.0167	38							
39												39							
40												40							
41	Total - October 2016			\$ 4,808,802,399.10	\$ 4,814,661,783.62	\$ 4,811,732,091.36	\$ 7,362,425.36	\$ 3,353,398.28	0.0184	0.0084	0.0267	41							
42												42							
43												43							
44	Bolded amount reflects total monthly per book depreciation											44							
45	(A) Depreciation Expense is generated through financial system											45							

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%												
	A	B	C	1	2	3	4	5	6	7	8	
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	Oct-16 Mon End Depr Base	Nov-16 Mon End Depr Base	Nov-16 Wtd. Depr Base	Nov-16 Recorded Expense ^A Life	Nov-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Total Rate	Ln No
							(Col 1+Col 2) / 2		(Col 4 / Col 3) *12	(Col 5 / Col 3) *12	Col 8 = Col 6 + Col 7	
1	E0135210	0.0218	Struct & Imprv-Other	\$ 336,655,645.18	\$ 337,489,971.53	\$ 337,072,808.36	\$ 382,015.85	\$ 230,333.09	0.0136	0.0082	0.0218	1
2	E0135220	0.0162	Struct & Imprv-SWPL	14,488,589.45	14,488,589.12	14,488,094.29	12,194.99	7,365.29	0.0101	0.0061	0.0162	2
3	E0135260	0.0139	Struct & Imprv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.58	-	0.0139	-	0.0139	3
4				472,165,166.69	473,000,502.71	472,582,834.70	472,582,834.42	237,698.38	0.0136	0.0060	0.0196	4
5												5
6	E0135310	0.0352	Station Equip.-Other	1,006,612,338.06	1,014,951,290.88	1,010,781,814.47	1,853,099.99	1,111,860.00	0.0220	0.0132	0.0352	6
7	E0135320	0.0402	Station Equip.-SWPL	219,365,055.16	219,369,028.14	219,367,041.65	458,842.73	276,036.86	0.0251	0.0151	0.0402	7
8	E0135340	0.0325	Station Equip.-Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325	8
9	E0135360	0.0201	Station Equip.-SRPL	161,535,754.58	161,535,754.58	161,535,754.58	270,572.39	-	0.0201	-	0.0201	9
10				1,388,933,540.68	1,397,276,466.48	1,393,105,003.58	2,584,917.94	1,389,340.93	0.0223	0.0120	0.0342	10
11												11
12	E0135410	0.0313	Towers & Fixtrs-Other	66,502,307.05	66,529,312.61	66,515,809.83	87,024.85	86,470.55	0.0157	0.0156	0.0313	12
13	E0135420	0.0265	Towers & Fixtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265	13
14	E0135460	0.0147	Towers & Fixtrs-SRPL	767,315,057.31	767,315,057.31	767,315,057.31	939,960.95	-	0.0147	-	0.0147	14
15				895,805,846.72	895,832,852.28	895,819,349.50	1,095,689.70	154,657.88	0.0147	0.0021	0.0167	15
16												16
17	E0135510	0.0425	Poles & Fixtrs-Other	439,913,425.80	439,866,478.75	439,889,952.28	854,119.66	850,453.91	0.0233	0.0232	0.0465	17
18	E0135520	0.0508	Poles & Fixtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508	18
19	E0135560	0.0226	Poles & Fixtrs-SRPL	3,343,699.14	3,343,699.14	3,343,699.14	6,297.30	-	0.0226	-	0.0226	19
20				453,447,350.46	453,400,403.41	453,423,876.94	881,986.27	872,023.22	0.0233	0.0231	0.0464	20
21												21
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	348,319,472.08	348,522,160.04	348,420,816.06	464,561.09	464,561.09	0.0160	0.0160	0.0320	22
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,247,192.52	46,248,992.36	46,248,092.44	34,300.67	33,915.27	0.0089	0.0088	0.0177	23
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,525,518.67	173,525,518.67	173,525,518.67	253,058.05	-	0.0175	-	0.0175	24
25				568,092,183.27	568,296,671.07	568,194,427.17	751,919.81	498,476.36	0.0159	0.0105	0.0264	25
26												26
27	E0135700	0.0243	Trans UG Conduit	273,635,223.32	273,863,225.37	273,749,224.35	383,248.91	171,093.27	0.0168	0.0075	0.0243	27
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169	28
29				354,137,301.20	354,365,303.25	354,251,302.23	496,622.67	171,093.27	0.0168	0.0058	0.0226	29
30												30
31	E0135800	0.0208	Trans UG Conductor	245,582,742.47	245,614,199.52	245,598,471.00	386,817.59	38,886.42	0.0189	0.0019	0.0208	31
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202	32
33				372,035,205.88	372,066,662.93	372,050,934.41	599,679.24	38,886.42	0.0193	0.0013	0.0206	33
34												34
35	E0135910	0.0165	Roads & Trails-Other	76,846,484.97	76,856,186.41	76,851,335.69	105,670.59	-	0.0165	-	0.0165	35
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144	36
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,874,758.19	227,874,758.19	319,024.66	-	0.0168	-	0.0168	37
38				310,045,188.72	310,054,890.16	310,050,039.44	431,085.98	-	0.0167	-	0.0167	38
39												39
40												40
41	Total - November 2016			\$ 4,814,661,783.62	\$ 4,824,293,752.29	\$ 4,819,477,767.96	\$ 7,376,293.03	\$ 3,362,176.46	0.0184	0.0084	0.0267	41
42												42
43							(Col. 4 + Col. 5, Line 41)	\$ 10,738,469.49				43
44												44
45												45

Bolded amount reflects total monthly per book depreciation
(A) Depreciation Expense is generated through financial system

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

TO4 Depreciation Rate - Composite 2.52%											
Ln No	Asset Class	TO4 C1 Settlement Rates	Description	1	2	3	4	5	6	7	8
				Nov-16 Mon End Depr Base	Dec-16 Mon End Depr Base	Dec-16 Wtd. Depr Base	Dec-16 Recorded Expense ^A Life	Dec-16 Recorded Expense ^A Removal	Depr Rate Life	Depr Rate Removal	Total Rate
						(Col 1+Col 2) / 2	(Col 4 / Col 3) *12	(Col 5 / Col 3) *12	(Col 4 / Col 3) *12	(Col 5 / Col 3) *12	Col 8 = Col 6 + Col 7
1	E0135210	0.0218	Struct & Imprv-Other	\$ 337,489,971.53	\$ 341,499,729.88	\$ 339,494,850.71	\$ 384,760.83	\$ 231,988.15	0.0136	0.0082	0.0218
2	E0135220	0.0162	Struct & Imprv-SWPL	14,489,599.12	14,492,008.99	14,490,804.06	12,196.43	7,366.16	0.0101	0.0061	0.0162
3	E0135260	0.0139	Struct & Imprv-SRPL	121,020,932.06	121,020,932.06	121,020,932.06	140,182.98	-	0.0139	-	0.0139
4				473,000,502.71	477,012,670.93	475,006,586.82	537,139.84	239,354.31	0.0136	0.0060	0.0196
5											
6	E0135310	0.0352	Station Equip.-Other	1,014,951,290.88	1,019,786,743.73	1,017,369,017.31	1,865,176.53	1,119,105.92	0.0220	0.0132	0.0352
7	E0135320	0.0402	Station Equip.-SWPL	219,369,028.14	220,600,913.44	219,984,970.79	460,135.23	276,814.42	0.0251	0.0151	0.0402
8	E0135340	0.0325	Station Equip.-Generation	1,420,392.88	1,420,392.88	1,420,392.88	2,402.83	1,444.07	0.0203	0.0122	0.0325
9	E0135360	0.0201	Station Equip.-SRPL	161,535,754.58	161,535,754.58	161,535,754.58	270,572.39	-	0.0201	-	0.0201
10				1,397,276,466.48	1,403,343,804.63	1,400,310,135.56	2,598,286.98	1,397,364.41	0.0223	0.0120	0.0342
11											
12	E0135410	0.0313	Towers & Fxtrs-Other	66,529,312.61	66,548,799.75	66,539,056.18	87,055.27	86,500.77	0.0157	0.0156	0.0313
13	E0135420	0.0265	Towers & Fxtrs-SWPL	61,988,482.36	61,988,482.36	61,988,482.36	68,703.90	68,187.33	0.0133	0.0132	0.0265
14	E0135460	0.0147	Towers & Fxtrs-SRPL	767,315,057.31	766,323,131.86	766,819,094.59	939,353.39	-	0.0147	-	0.0147
15				895,832,852.28	894,860,413.97	895,346,633.13	1,095,112.56	154,688.10	0.0147	0.0021	0.0168
16											
17	E0135510	0.0425	Poles & Fxtrs-Other	439,866,478.75	440,023,743.40	439,945,111.08	854,226.76	850,560.55	0.0233	0.0232	0.0465
18	E0135520	0.0508	Poles & Fxtrs-SWPL	10,190,225.52	10,190,225.52	10,190,225.52	21,569.31	21,569.31	0.0254	0.0254	0.0508
19	E0135560	0.0226	Poles & Fxtrs-SRPL	3,343,699.14	3,343,699.14	3,343,699.14	6,297.30	-	0.0226	-	0.0226
20				453,400,403.41	453,557,668.06	453,479,035.74	882,093.37	872,129.86	0.0233	0.0231	0.0464
21											
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other	348,522,160.04	348,625,812.30	348,573,986.17	464,765.31	464,765.31	0.0160	0.0160	0.0320
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL	46,248,992.36	46,248,992.36	46,248,992.36	34,301.34	33,915.93	0.0089	0.0088	0.0177
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL	173,525,518.67	173,392,270.39	173,458,894.53	252,960.89	-	0.0175	-	0.0175
25				568,296,671.07	568,267,075.05	568,281,873.06	752,027.54	498,681.24	0.0159	0.0105	0.0264
26											
27	E0135700	0.0243	Trans UG Conduit	273,863,225.37	274,062,013.28	273,962,619.33	383,547.67	171,226.64	0.0168	0.0075	0.0243
28	E0135760	0.0169	Trans UG Conduit-SRPL	80,502,077.88	80,502,077.88	80,502,077.88	113,373.76	-	0.0169	-	0.0169
29				354,365,303.25	354,564,091.16	354,464,697.21	496,921.43	171,226.64	0.0168	0.0058	0.0226
30											
31	E0135800	0.0208	Trans UG Conductor	245,614,199.52	246,333,450.51	245,973,825.02	387,408.77	38,945.86	0.0189	0.0019	0.0208
32	E0135860	0.0202	Trans UG Conductor-SRPL	126,452,463.41	126,452,463.41	126,452,463.41	212,861.65	-	0.0202	-	0.0202
33				372,066,662.93	372,785,913.92	372,426,288.43	600,270.42	38,945.86	0.0193	0.0013	0.0206
34											
35	E0135910	0.0165	Roads & Trails-Other	76,856,186.41	76,857,518.22	76,856,852.32	105,678.17	-	0.0165	-	0.0165
36	E0135920	0.0144	Roads & Trails-SWPL	5,323,945.56	5,323,945.56	5,323,945.56	6,388.73	-	0.0144	-	0.0144
37	E0135960	0.0168	Roads & Trails-SRPL	227,874,758.19	227,675,867.99	227,775,313.09	318,885.44	-	0.0168	-	0.0168
38				310,054,890.16	309,857,331.77	309,956,110.97	430,952.34	-	0.0167	-	0.0167
39											
40											
41	Total - December 2016			\$ 4,824,293,752.29	\$ 4,834,248,969.49	\$ 4,829,271,360.89	\$ 7,392,804.48	\$ 3,372,390.42	0.0184	0.0084	0.0267
42											
43											
44											
45											

Bolded amount reflects total monthly per book depreciation
(A) Depreciation Expense is generated through financial system

SDG&E
TO4 C5 Base Period / True-up Period
Transmission Plant Monthly Depreciation Expense
January - December 2016

Ln No	Asset Class	TO4 C1 Settlement Rates	Description	Mon End Depr Base	Mon End Depr Base	1/1/2016-12/31/2016 Total Wrd. Depr Base	1/1/2016-12/31/2016 Total Life	1/1/2016-12/31/2016 Recorded Expense ^A	1/1/2016-12/31/2016 Total Removal	6 (Col 4 / Col 3) *12	7 (Col 5 / Col 3) *12	8 Col 8 = Col 6 + Col 7	Ln No
1	E0135210	0.0218	Struct & Impv-Other			\$ 3,777,610,264.14	\$ 4,281,291.63	\$ 2,581,367.01	0.0136	0.0082	0.0218	1	
2	E0135220	0.0162	Struct & Improv-SWPL			153,816,026.50	129,461.81	78,189.81	0.0101	0.0061	0.0162	2	
3	E0135260	0.0139	Struct & Improv-SRPL			1,452,251,184.72	1,682,190.96	-	0.0139	-	0.0139	3	
4						5,383,677,475.36	6,092,944.40	2,659,556.82	0.0136	0.0059	0.0195	4	
5												5	
6	E0135310	0.0352	Station Equip.-Other			11,477,867,985.05	21,042,757.98	12,625,654.79	0.0220	0.0132	0.0352	6	
7	E0135320	0.0402	Station Equip.-SWPL			2,638,992,311.60	5,519,692.26	3,320,732.00	0.0251	0.0151	0.0402	7	
8	E0135340	0.0325	Station Equip. - Generation			17,044,714.56	28,833.96	17,328.84	0.0203	0.0122	0.0325	8	
9	E0135360	0.0201	Station Equip.-SRPL			1,938,436,857.66	3,248,881.74	-	0.0201	-	0.0201	9	
10						16,072,341,868.87	29,838,365.94	15,963,715.63	0.0223	0.0119	0.0342	10	
11												11	
12	E0135410	0.0313	Towers & Fxtrs-Other			795,240,789.53	1,040,440.03	1,033,813.02	0.0157	0.0156	0.0313	12	
13	E0135420	0.0265	Towers & Fxtrs-SWPL			743,861,788.32	824,446.80	818,247.96	0.0133	0.0132	0.0265	13	
14	E0135460	0.0147	Towers & Fxtrs-SRPL			9,207,284,725.00	11,278,923.84	-	0.0147	-	0.0147	14	
15						10,746,387,302.84	13,143,810.67	1,852,060.98	0.0147	0.0020	0.0167	15	
16												16	
17	E0135510	0.0425	Poles & Fxtrs-Other			5,133,217,252.95	9,966,996.84	9,924,220.04	0.0233	0.0232	0.0425	17	
18	E0135520	0.0508	Poles & Fxtrs-SWPL			122,282,706.24	258,831.72	258,831.72	0.0254	0.0254	0.0508	18	
19	E0135560	0.0226	Poles & Fxtrs-SRPL			41,240,902.98	77,670.37	-	0.0226	-	0.0226	19	
20						5,296,740,862.17	10,303,498.93	10,183,051.76	0.0233	0.0231	0.0464	20	
21												21	
22	E0135610	0.0320	Ovrhd Cnd & Dv-Other			4,036,534,083.55	5,382,045.43	5,382,045.43	0.0160	0.0160	0.0320	22	
23	E0135620	0.0177	Ovrhd Cnd & Dev-SWPL			554,969,073.68	411,602.08	406,977.30	0.0089	0.0088	0.0177	23	
24	E0135660	0.0175	Ovrhd Cnd & Dev-SRPL			2,083,173,208.54	3,037,960.97	-	0.0175	-	0.0175	24	
25						6,674,676,365.76	8,831,608.48	5,789,022.73	0.0159	0.0104	0.0263	25	
26												26	
27	E0135700	0.0243	Trans UG Conduit			3,180,636,892.02	4,452,891.64	1,987,898.06	0.0168	0.0075	0.0243	27	
28	E0135760	0.0169	Trans UG Conduit-SRPL			966,024,934.56	1,360,485.12	-	0.0169	-	0.0169	28	
29						4,146,661,826.58	5,813,376.76	1,987,898.06	0.0168	0.0058	0.0226	29	
30												30	
31	E0135800	0.0208	Trans UG Conductor			2,856,907,624.76	4,499,629.51	452,343.71	0.0189	0.0019	0.0208	31	
32	E0135860	0.0202	Trans UG Conductor-SRPL			1,517,429,560.92	2,554,339.80	-	0.0202	-	0.0202	32	
33						4,374,337,185.68	7,053,969.31	452,343.71	0.0194	0.0012	0.0206	33	
34												34	
35	E0135910	0.0165	Roads & Trails-Other			926,932,185.04	1,274,531.75	-	0.0165	-	0.0165	35	
36	E0135920	0.0144	Roads & Trails-SWPL			63,887,346.72	76,664.76	-	0.0144	-	0.0144	36	
37	E0135960	0.0168	Roads & Trails-SRPL			2,734,397,653.18	3,823,156.70	-	0.0168	-	0.0168	37	
38						3,725,217,184.94	5,179,353.21	-	0.0167	-	0.0167	38	
39												39	
40												40	
41	Total - January to December 2016					\$ 56,420,040,072.18	\$ 86,256,927.70	\$ 38,887,649.69	0.0183	0.0083	0.0266	41	
42												42	
43	TO4 Cycle 5 Base Period / True-Up Total Depreciation Expense - Jan to Dec 2016					(Col. 4 + Col. 5, Line 41)	\$ 125,144,577.39					43	
44								(see w/p AJ-1C, Line 3)				44	
45	(A) Depreciation Expense is generated through financial system											45	

San Diego Gas & Electric Company

Depreciation & Amortization Workpapers for Electric Miscellaneous Intangible Plant

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AJ
DEPRECIATION AND AMORTIZATION EXPENSE
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

ELECTRIC MISCELLANEOUS INTANGIBLE PLANT

Line No.	FERC Intangible Plant Expense	Reference From	Line No.
1	December 31, 2016 Expense	\$ 23,856	1
		AJ8-lwp1	

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AJ - Workpapers
TO4 - Annual Intangible Plant Authorized Amortization Period
Cycle 5, For 12 - Months Ending December 31, 2016

Line No	FERC Acct No	DESCRIPTION	Amortization Period (Yrs)¹	Line No
1				1
2		ELECTRIC DISTRIBUTION		2
3	E303	Electric Distribution Software	5, 7, or 10 years	3
4	E360	Electric Distribution Easements (land rights)	45 years	4
5				5
6		ELECTRIC TRANSMISSION		6
7	E350	Electric Transmission Easements (land rights)	100 years	7
8				8

- ¹ These periods may not be changed absent a section 205 or 206 filing. The Annual Informational Filing will reference the docket number of the FERC proceeding that establishes new General Plant and Common Plant depreciation rates and Intangible Plant amortization periods.

San Diego Gas & Electric Company								
Intangible Plant Balances and Accumulated Amortization at 12/31/2016								
Source: Power Plan 12/31/2016								
Line No.	FERC Acct.		Year Placed	Amortization Period	Plant Balance	Accumulated Amortization	Amortization Expense	Line No.
1	A) ELECTRIC INTANGIBLE PLANT							1
2	Account E 303.00	5-year	2011	5	\$ 6,430,967.23	\$ (6,430,967.23)	\$ 899,559.65	2
3			2012	5	14,954,446.25	(13,965,542.46)	2,962,294.62	3
4			2013	5	18,050,482.24	(12,573,825.65)	3,657,815.73	4
5			2014	5	36,271,929.19	(20,196,874.05)	7,290,521.32	5
6			2015	5	13,777,302.01	(4,202,469.17)	2,744,877.07	6
7			2016	5	10,787,019.61	(947,360.74)	947,360.74	7
8								8
9	E 303.00	Subtotal	5-year		100,272,146.53	(58,317,039.30)	18,502,429.13	9
10								10
11	ELECTRIC INTANGIBLE PLANT							11
12	Account E 303.00	10-year	2012	10	53,183,046.68	(24,633,428.17)	5,353,053.13	12
13			2013	10	3,028.73	(1,705.44)	214.56	13
14								14
15	E 303.00	Subtotal	10-year		53,186,075.41	(24,635,133.61)	5,353,267.69	15
16								16
17	E 303.00	Total			\$ 153,458,221.94	\$ (82,952,172.91)	\$ 23,855,696.82	(a) 17
18								18
19	B) COMMON INTANGIBLE PLANT							19
20	Account C 303.00	5-Year	2008	5	\$ 7,305,555.15	\$ (7,305,555.15)	Fully Amortized	^A 20
21			2009	5	45,759,528.45	(45,759,528.45)	Fully Amortized	^A 21
22			2010	5	37,979,104.02	(37,979,104.02)	Fully Amortized	^A 22
23			2011	5	32,163,425.25	(32,148,827.12)	3,126,502.00	23
24			2012	5	30,741,405.73	(28,326,951.95)	6,231,431.16	24
25			2013	5	26,860,119.04	(19,619,612.42)	5,426,055.29	25
26			2014	5	55,529,518.84	(27,033,580.86)	11,155,741.99	26
27			2015	5	61,165,111.55	(16,812,792.01)	12,075,365.50	27
28			2016	5	65,482,343.61	(6,869,415.27)	6,869,415.27	28
29								29
30	C 303.00	Subtotal	5-Year		362,986,111.64	(221,855,367.25)	44,884,511.21	30
31								31
32	COMMON INTANGIBLE PLANT							32
33	Account C 303.00	15-Year	1998	15	31,037,051.77	(31,037,051.77)	Fully Amortized	^A 33
34								34
35	C 303.00	Subtotal	15-Year		31,037,051.77	(31,037,051.77)	-	35
36								36
37	C 303.00	Total			\$ 394,023,163.41	\$ (252,892,419.02)	\$ 44,884,511.21	(b) 37
A	Note this is fully amortized and there was no amortization expense							
(a)	See FERC Form 1, Page 336, Col. (f), Line 1							
(b)	See FERC Form 1, Page 356.2, Account 303 - Common Misc. Intangible Plant							

San Diego Gas & Electric Company									
Land Rights Plant Balances and Accumulated Amortization at 12/31/2016									
Source: Power Plan 12/31/2016									
Line No.	FERC Acct.		Year Placed	Amortization Period	Plant Balance	Accumulated Amortization	Amortization Expense	Line No.	
1	A. ELECTRIC TRANSMISSION-SWPL								1
2	Account E 350.22	Land Rights	1982	100	\$ 4,983,146.20	\$ (1,690,798.04)	\$ 50,328.91	2	
3			1983	100	4,605,447.77	(1,514,403.26)	46,540.15	3	
4			1984	100	2,872,876.25	(927,429.87)	28,856.98	4	
5			1985	100	2,685,624.04	(846,060.86)	26,887.57	5	
6			1986	100	35,953.76	(10,898.51)	360.84	6	
7			1987	100	196,089.13	(57,850.41)	1,963.08	7	
8			1988	100	15,201.27	(4,332.62)	152.16	8	
9			1989	100	26,756.45	(7,362.90)	267.84	9	
10			1990	100	7,944.79	(2,102.42)	79.56	10	
11			1991	100	476.89	(122.95)	4.80	11	
12			2012	100	2,774,956.84	(124,168.49)	9,854.75	12	
13			2013	100	434,239.60	(15,628.94)	15,628.94	13	
14								14	
15	E 350.22	Total	Land Rights		18,638,712.99	(5,201,159.27)	180,925.58	15	
16								16	
17	B. ELECTRIC TRANSMISSION-SUNRISE								17
18	Account E 350.26	Land Rights	2009	50/100	9,087,923.00	(890,402.31)	199,970.19	18	
19			2010	50/100	46,081,702.23	(2,868,497.23)	638,376.79	19	
20			2011	50/100	8,510,253.91	(484,295.40)	107,211.13	20	
21			2012	50/100	11,920,613.34	(522,530.45)	120,822.98	21	
22			2013	50/100	528,385.94	(19,272.35)	5,284.80	22	
23			2014	50/100	1,096,958.92	(29,306.56)	10,974.24	23	
24								24	
25	E 350.26	Total	Land Rights		77,225,837.34	(4,814,304.30)	1,082,640.13	25	
26								26	
27	C. ELECTRIC TRANSMISSION-OTHER								27
28	Account E 350.21	Land Rights	Pre-1971	92	5,630,067.90	(2,807,921.74)	79,113.05	28	
29			1971	100	406,321.74	(166,408.99)	4,408.88	29	
30			1972	100	331,723.97	(155,223.28)	3,185.15	30	
31			1973	100	129,468.62	(48,237.58)	1,439.76	31	
32			1974	100	215,282.18	(81,441.75)	2,331.24	32	
33			1975	100	544,736.36	(211,087.66)	5,711.40	33	
34			1976	100	109,341.05	(41,945.63)	1,134.36	34	
35			1977	100	143,681.67	(56,194.53)	1,448.04	35	
36			1978	100	47,799.63	(18,532.19)	476.52	36	
37			1979	100	533,278.55	(205,394.02)	5,253.36	37	
38			1980	100	78,620.31	(28,227.50)	794.52	38	
39			1981	100	110,117.41	(37,487.99)	1,127.76	39	
40			1982	100	104,074.88	(59,787.27)	677.04	40	
41			1983	100	34,107.98	(32,022.24)	31.43	41	
42			1984	100	218,156.80	(80,808.62)	2,037.48	42	
43			1985	100	2,520,408.55	(778,025.34)	25,467.14	43	
44			1986	100	452,616.08	(138,146.31)	4,530.12	44	
45			1987	100	119,825.38	(29,271.86)	1,286.04	45	
46			1988	100	351,570.90	(101,704.76)	3,498.60	46	
47			1989	100	644,065.63	(134,987.58)	7,029.84	47	
48			1990	100	543,433.97	(176,695.30)	4,995.24	48	
49			1991	100	14,318.85	(5,845.67)	113.88	49	
50			1992	100	78,514.57	(12,104.14)	880.68	50	
51			1993	100	244,348.10	(56,875.86)	2,453.28	51	
52			1994	100	173,757.24	60,704.37	3,028.56	52	
53			1995	100	61,160.15	(8,170.04)	675.72	53	
54			1996	100	2,420,911.21	(487,259.19)	24,348.16	54	
55			1997	100	6,811,026.25	(1,469,009.57)	73,731.51	55	
56			1998	100	25,332.90	(4,565.13)	255.12	56	
57			1999	100	8,437.04	(1,490.12)	84.60	57	
58			2000	100	29,837.94	(4,999.25)	299.28	58	

San Diego Gas & Electric Company									
Land Rights Plant Balances and Accumulated Amortization at 12/31/2016									
Source: Power Plan 12/31/2016									
Line No.	FERC Acct.		Year Placed	Amortization Period	Plant Balance	Accumulated Amortization	Amortization Expense	Line No.	
59			2001	100	46,414.03	(7,322.41)	465.36	59	
60			2002	100	345,196.39	(50,720.62)	3,460.32	60	
61			2003	100	190,551.10	(26,314.33)	1,909.68	61	
62			2004	100	1,097,916.16	(140,822.76)	11,001.10	62	
63			2005	100	14,218,183.86	(1,683,580.92)	141,810.96	63	
64			2006	100	4,217,446.18	(451,007.79)	42,239.65	64	
65			2007	100	1,210,207.50	(124,474.48)	12,010.52	65	
66			2008	100	816,468.60	(70,510.39)	8,173.80	66	
67			2009	100	9,667.40	(716.02)	96.72	67	
68			2010	100	1,469,567.39	(91,852.70)	14,701.71	68	
69			2011	100	306,617.58	(16,387.76)	3,067.68	69	
70			2012	100	3,314,503.58	(137,209.90)	50,064.41	70	
71			2013	100	3,541,918.59	(109,673.96)	23,966.50	71	
72			2014	100	4,126,879.31	(95,190.50)	38,119.04	72	
73			2015	100	1,435,268.82	(26,160.59)	14,551.64	73	
74			2016	100	164,107.14	(68.38)	68.38	74	
75								75	
76	E 350.21	Subtotal	Land Rights		59,647,257.44	(10,411,180.25)	627,555.23	76	
77								77	
78	To Distribution	(a)			(995,572.63)	306,028.63	(11,128.69)	78	
79	From Generation	(a)			1,108.85	(1,108.85)	-	79	
80	From Distribution	(a)			63,854.88	(50,035.92)	2,531.99	80	
81								81	
82	E 350.21	Subtotal	Land Rights		58,716,648.54	(10,156,296.39)	618,958.53	82	
83								83	
84	D. TOTAL ELECTRIC TRANSMISSION				\$ 154,581,198.87	\$ (20,171,759.96)	\$ 1,882,524.24	(b)	84
85								85	
86	E. ELECTRIC DISTRIBUTION							86	
87	Account E 360.2	Land Rights	Pre-1971	35	3,599,473.79	(3,599,473.79)	-	87	
88			1971	45	319,334.04	(319,334.04)	4,918.12	88	
89			1972	45	460,201.55	(449,339.14)	26,089.01	89	
90			1973	45	434,172.78	(414,486.48)	13,896.24	90	
91			1974	45	502,406.95	(469,425.15)	13,649.56	91	
92			1975	45	525,827.21	(479,214.16)	13,642.80	92	
93			1976	45	546,737.84	(485,467.07)	13,872.60	93	
94			1977	45	562,022.68	(486,531.32)	13,937.65	94	
95			1978	45	686,941.96	(577,211.18)	17,100.91	95	
96			1979	45	1,803,277.09	(1,463,239.19)	45,854.90	96	
97			1980	45	2,122,526.81	(1,687,145.66)	51,730.19	97	
98			1981	45	2,615,984.88	(2,004,965.53)	64,887.00	98	
99			1982	45	2,381,618.47	(1,773,491.83)	58,386.73	99	
100			1983	45	2,311,217.09	(1,668,571.16)	56,290.17	100	
101			1984	45	2,628,139.76	(1,839,810.94)	63,489.59	101	
102			1985	45	2,979,505.16	(2,027,588.23)	70,953.26	102	
103			1986	45	3,168,586.62	(2,079,590.86)	75,538.06	103	
104			1987	45	3,178,320.90	(1,999,874.64)	76,439.77	104	
105			1988	45	2,929,529.12	(1,774,788.42)	70,339.60	105	
106			1989	45	2,677,645.75	(1,569,395.95)	63,633.15	106	
107			1990	45	2,098,993.18	(1,193,742.57)	49,153.85	107	
108			1991	45	2,083,016.09	(1,114,175.83)	49,899.09	108	
109			1992	45	1,926,127.99	(1,025,919.85)	44,095.22	109	
110			1993	45	1,853,956.22	(932,500.71)	43,025.15	110	
111			1994	45	1,657,154.20	(788,614.98)	38,745.24	111	
112			1995	45	1,164,829.75	(526,635.27)	27,253.88	112	
113			1996	45	1,320,918.46	(575,604.62)	30,524.87	113	
114			1997	45	1,156,627.68	(491,011.89)	26,188.14	114	
115			1998	45	1,357,482.47	(551,019.21)	30,528.56	115	

San Diego Gas & Electric Company								
Land Rights Plant Balances and Accumulated Amortization at 12/31/2016								
Source: Power Plan 12/31/2016								
Line No.	FERC Acct.		Year Placed	Amortization Period	Plant Balance	Accumulated Amortization	Amortization Expense	Line No.
116			1999	45	1,025,781.79	(401,232.57)	23,131.44	116
117			2000	45	1,306,515.53	(486,689.01)	29,279.65	117
118			2001	45	1,307,624.31	(458,525.97)	29,279.28	118
119			2002	45	2,167,248.89	(712,565.41)	48,489.44	119
120			2003	45	1,821,591.71	(559,089.15)	40,725.90	120
121			2004	45	2,055,859.84	(586,054.25)	45,932.89	121
122			2005	45	2,109,617.78	(555,264.93)	47,109.23	122
123			2006	45	1,569,796.08	(369,017.63)	35,021.33	123
124			2007	45	1,964,519.67	(415,095.50)	43,799.91	124
125			2008	45	1,789,112.89	(338,501.30)	39,807.71	125
126			2009	45	1,613,029.57	(270,937.48)	35,925.10	126
127			2010	45	1,982,669.69	(285,885.30)	44,133.94	127
128			2011	45	1,973,727.82	(243,523.64)	43,914.92	128
129			2012	45	1,820,576.72	(185,956.59)	40,496.52	129
130			2013	45	1,447,174.45	(114,556.16)	32,189.77	130
131			2014	45	5,185,300.38	(280,594.95)	113,994.95	131
132			2015	45	1,404,686.33	(51,567.33)	31,045.70	132
133			2016	45	1,507,749.86	(17,750.62)	17,750.62	133
134								134
135	E 360.2	Subtotal	Land Rights		85,105,159.80	(40,700,977.46)	1,896,091.61	135
136								136
137	To Transmission	(a)			(63,854.88)	50,035.92	(2,531.99)	137
138	From Generation	(a)			54,923.76	(8,030.12)	2,147.76	138
139	From Transmission	(a)			995,572.63	(306,028.63)	11,128.69	139
140								140
141	TOTAL ELECTRIC DISTRIBUTION				\$ 86,091,801.31	\$ (40,965,000.29)	\$ 1,906,836.07	(b) 141
(a)	Only very small amounts are reassigned between generation, transmission and distribution to conform with FERC 7 Factor Test that defines Transmission.							
(b)	See FERC Form 1 Schedule Page 336, Line No. 12, Col. F, Acct 405 amortization expense for transmission and distribution.							

San Diego Gas & Electric Company

Depreciation & Amortization Workpapers for General Plant

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AJ
DEPRECIATION AND AMORTIZATION EXPENSE
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

GENERAL PLANT

Line No.	FERC General Plant Expense	Reference From	Line No.
1	December 31, 2016 Expense \$ 14,880	AJ1-Gwp1	1

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AJ - Workpapers
TO4 - Annual General Plant Depreciation Rates
Cycle 5, For 12 - Months Ending December 31, 2016
For Use During the 12-Months Period from January 1 to December 31, 2016

2016 General Rates ^{1,2}

Rates based on 12/31/2015 Plant Balances						
Line No	FERC Account	Description	(a) Life Rate	(b) Removal Rate	(c) = a + b Total Rate	Line No
1						1
2	E0139000	Struct. and Improv.	2.12%	0.00%	2.12%	2
3	E0139210	Transprtn Eq-Autos	0.00%	0.00%	0.00%	3
4	E0139220	Transprtn Eq-Trailer	4.43%	0.00%	4.43%	4
5	E0139310	Stores Equip.-Other	1.69%	0.00%	1.69%	5
6	E0139411	Portable Tools-Other	3.74%	0.00%	3.74%	6
7	E0139420	Shop Equipment	3.09%	0.00%	3.09%	7
8	E0139510	Laboratory Eq.-Other	4.64%	0.00%	4.64%	8
9	E0139710	Commun. Equip.-Other	2.98%	2.01%	4.99%	9
10	E0139720	Commun. Equip.-SWPL	2.22%	2.71%	4.92%	10
11	E0139760	Commun. Equip.-SRPL	3.25%	1.76%	5.01%	11
12	E0139770	Telecommunications equip	3.33%	1.68%	5.01%	12
13	E0139810	Misc. Equip. - Other	6.18%	0.00%	6.18%	13
14						14

- ¹ The above Electric General Plant depreciation rates are applicable to SDG&E's 2016 calendar year recorded depreciation.
- ² These rates may not be changed absent a section 205 or 206 filing. In 2017, SDG&E will make a FERC filing to update its non-transmission depreciation rates for Common Plant and Electric General Plant contained in the TO4 Formula (Cycle 1) to reflect the impact of changes to plant balances and related depreciation rates for 2016, the TO4 Cycle 5 Base Period.

SAN DIEGO GAS & ELECTRIC COMPANY
Electric General Plant Depreciation Rates
for the 12-month period ended December 31, 2016

Line No.	FERC Account / Depreciation Group	Recorded Gross Plant Net as of 01/01/2016 (a)	Future Net Removal Rate (b)	Future Net Removal Estimate (c) = (a) * (b)	Recorded Reserves @ 01/01/2016 Life (d)	Removal (e)	Iowa Type Survivor Curve (f)	Average Service Life (g)	Expectancy (i)	Net Annual Accrual Estimate ³ (j) = (e) ÷ (i)	2016 Depreciation Rates		Line No.	
											Life (k) = (note 1)	Removal (l) = (m) ÷ (k)		Net (m) = (note 2)
1	E390.00-Struct. and Improv.	\$ 32,507,793.33	10.00%	\$ 3,250,779.33	\$ (19,028,882.82)	\$ (4,919,598.52)	S4	34.00	17.16	\$ 688,197.79	2.117024%	-	2.117024%	1
2	E392.10-Transprrn Eq-Autos	-	-	-	-	-	L5	27.00	-	-	-	-	-	2
3	E392.20-Transprrn Eq-Trailer	58,145.67	-	-	(10,967.23)	\$ -	L5	27.00	18.31	2,576.79	4.431613%	-	4.431613%	3
4	E393.10-Stores Equip.-Other	8,545.97	-	-	(8,184.94)	\$ -	S5	25.00	24.81	144.41	1.689826%	-	1.689826%	4
5	E394.11-Portable Tools-Other	24,069,357.29	-	-	(7,990,770.40)	\$ -	S6	27.00	17.87	899,554.44	3.737343%	-	3.737343%	5
6	E394.20-Shop Equipment	341,135.67	-	-	(243,388.00)	\$ -	L4	26.00	17.94	10,540.74	3.089898%	-	3.089898%	6
7	E395.10-Laboratory Eq.-Other	5,152,837.90	-	-	(230,503.15)	\$ -	L3	22.00	1.45	239,178.56	4.641686%	-	4.641686%	7
8	E397.10-Commun. Equip.-Other	227,021,692.96	50.00%	113,510,846.48	(73,764,698.18)	\$ (10,108,804.55)	R2	30.00	22.64	11,335,851.49	2.981608%	2.011682%	4.993290%	8
9	E397.20-Commun. Equip.-SWPL	6,842,732.26	50.00%	3,421,366.13	(4,604,531.55)	\$ (689,768.41)	R2	30.00	14.75	336,861.41	2.217083%	2.705825%	4.922908%	9
10	E397.60-Commun. Equip.-SRPL	14,030,814.61	-	-	(1,774,385.24)	\$ (266,354.16)	R2	30.00	26.87	702,741.21	3.251208%	1.757348%	5.008556%	10
11	E397.70-Commun Dev - Telecom	13,056.50	50.00%	6,528.25	(207.95)	\$ (31.20)	R2	30.00	0.50	654.72	3.330456%	1.684092%	5.014548%	11
12	E398.10-Misc. Equip. - Other	4,590,486.75	-	-	(663,196.53)	\$ 335.21	L4	16.00	2.22	283,855.18	6.183553%	-	6.183553%	12
		\$ 314,636,598.91		\$ 120,189,520.19	\$ (108,319,715.99)	\$ (15,984,221.63)				\$ 14,500,156.74				

Note 1: Life Depreciation Rate (k) = [(a) + (d)] ÷ (i) + (a)

Note 2: Net Depreciation Rate Rate (m) = [(a) + (c) + (d) + (e)] ÷ (i) + (a)

Note 3: The Annual Accrual Estimate is calculated based on the beginning-of-year plant balance and will differ from annual depreciation expense, which is calculated on monthly balances using the rates specified herein.

This workpaper supports the life and removal rates shown in the preceding page (AJ-3A).

San Diego Gas & Electric Company

Depreciation & Amortization Workpapers for Common Plant

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AJ
DEPRECIATION AND AMORTIZATION EXPENSE
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

COMMON PLANT

Line No.	Description	Total Common Expense to Electric Per Book	Reference From	Line No.
1	December 31, 2016 Expense	\$ 60,147	AJ1-Cwp1	1

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of <u>2016/Q4</u>
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COMMON UTILITY PLANT AND EXPENSES

- Describe the property carried in the utility's accounts as common utility plant and show the book cost of such plant at end of year classified by accounts as provided by Plant Instruction 13, Common Utility Plant, of the Uniform System of Accounts. Also show the allocation of such plant costs to the respective departments using the common utility plant and explain the basis of allocation used, giving the allocation factors.
- Furnish the accumulated provisions for depreciation and amortization at end of year, showing the amounts and classifications of such accumulated provisions, and amounts allocated to utility departments using the Common utility plant to which such accumulated provisions relate, including explanation of basis of allocation and factors used.
- Give for the year the expenses of operation, maintenance, rents, depreciation, and amortization for common utility plant classified by accounts as provided by the Uniform System of Accounts. Show the allocation of such expenses to the departments using the common utility plant to which such expenses are related. Explain the basis of allocation used and give the factors of allocation.
- Give date of approval by the Commission for use of the common utility plant classification and reference to order of the Commission or other authorization.

ACCOUNT	Ad Valorem	Depreciation	
	Taxes		
	Note	Note	
	(1)	(2)	
303 Misc. Intangible Plant		<u>44,884,511</u>	See AJ-2B
389 Land & Land Rights			
390 Structures & Improvements		11,494,181	
391 Office Furniture & Equipment		8,829,028	
392 Transportation Equipment		45,802	
393 Stores Equipment		1,183	
394 Tools, Shop & Garage Equipment		182,841	
395 Laboratory Equipment		90,706	
396 Power Operated Equipment			
397 Communication Equipment		14,263,308	
398 Miscellaneous Equipment		74,823	
Total		<u>79,866,383</u>	Electric share 75.31% = 60,147,373

- Ad Valorem Taxes on property are assessed by the State Board of Equalization and consist of one-half of the taxes from each fiscal tax year 2015-2016 and 2016-2017. Ad Valorem Taxes are assessed on the entire operating unit, therefore, assessed taxes are not available by account number. Ad Valorem Taxes are allocated based on procedures adopted by the California Public Utilities Commission.
- The Common Utility Plant and Accumulated Depreciation is allocated between the Electric and Gas Departments based on labor ratios in accordance with allocation procedures adopted by the California Public Utilities Commission. These rates were revised in January 2016. Other expenses of operation, maintenance and rents for common utility plant are allocated based on labor percentage studies. Specific amounts charged

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AJ - Workpapers
TO4 - Annual Common Plant Depreciation Rates
Cycle 5, For 12 - Months Ending December 31, 2016
For Use During the 12-Months Period from January 1 to December 31, 2016

2016 Common Rates^{1, 2}

Rates based on 12/31/2015 Plant Balances						
Line No	FERC Account	Description	(a) Life Rate	(b) Removal Rate	(c) = a + b Total Rate	Line No
1						1
2	C1839010	Struct & Imprv-Other	2.83%	0.50%	3.33%	2
3	C1839110	Offc Furn & Eq-Other	5.66%	0.00%	5.66%	3
4	C1839120	Offc Furn & Eq-Cmptr	14.96%	0.00%	14.96%	4
5	C1839210	Transportation equipment	19.27%	0.00%	19.27%	5
6	C1839220	Transprtn Eq-Trailer	6.15%	0.00%	6.15%	6
7	C1839310	Stores Equip.-Other	1.99%	0.00%	1.99%	7
8	C1839411	Portable Tools-Other	4.34%	0.00%	4.34%	8
9	C1839421	Shop Equip. - Other	1.76%	0.00%	1.76%	9
10	C1839431	Garage Equip.-Other	8.80%	0.00%	8.80%	10
11	C1839510	Laboratory Eq.-Other	4.44%	0.01%	4.45%	11
12	C1839710	Commun. Equip.-Other	7.56%	0.00%	7.56%	12
13	C1839810	Misc. Equip. - Other	3.91%	0.00%	3.91%	13
14						14

- ¹ The above Common Plant depreciation rates are applicable to SDG&E's 2016 calendar year recorded depreciation.
- ² These rates may not be changed absent a section 205 or 206 filing. In 2017, SDG&E will make a FERC filing to update its non-transmission depreciation rates for Common Plant and Electric General Plant contained in the TO4 Formula (Cycle 1) to reflect the impact of changes to plant balances and related depreciation rates for 2016, the TO4 Cycle 5 Base Period.

SAN DIEGO GAS & ELECTRIC COMPANY
Common Plant Depreciation Rates
for the 12-month period ended December 31, 2016

Line No.	FERC Account / Depreciation Group	Recorded Gross Plant Net as of 01/01/2016 (a)	Future Net Removal Rate (b)	Future Net Removal Estimate (c) = (a) * (b)	Recorded Reserves @ 01/01/2016		Iowa Type Survivor Curve (f)	Average Service Life (g)	Expectancy (i)	2016 Depreciation Rates		Line No.
					Life (d)	Removal (e)				Life (k) = (note 1)	Removal (l) = (m) - (k)	
1	C390.10-Struct & Imprv-Other	\$ 338,543,494.21	15.00%	\$ 50,781,524.13	\$ (125,106,191.75)	\$ (12,819,372.18)	S1	30.00	22.30	2.826885%	0.502792%	1
2	C391.10-Offc Furn & Eq-Other	28,707,341.71	-	-	\$ (13,738,429.65)	\$ 11,476.27	S6	18.00	9.22	5.656702%	0.004337%	2
3	C391.20-Offc Furn & Eq-Cmptr	51,716,995.45	-	-	\$ (32,379,116.84)	\$ -	S6	5.00	2.50	14.956691%	-	3
4	C392.10 - Trans Eq - Autos	408,259.35 ⁴	-	-	\$ 338,930.17	\$ -	SQ	10.00	9.50	19.265089%	-	4
5	C392.20-Transprt Eq-Trailer	12,195.98	-	-	\$ (4,319.70)	\$ -	L0	20.00	10.49	6.154787%	-	5
6	C393.10-Stores Equip-Other	63,971.09	-	-	\$ (49,448.88)	\$ -	L0	19.00	11.41	1.989667%	-	6
7	C394.11-Portable Tools-Other	1,232,026.51	-	-	\$ (313,946.84)	\$ -	R2.5	23.00	17.18	4.337882%	-	7
8	C394.21-Shop Equip - Other	213,047.56	-	-	\$ (139,957.10)	\$ -	L1.5	35.00	19.47	1.762173%	-	8
9	C394.31-Garage Equip - Other	1,096,434.79	-	-	\$ (184,798.32)	\$ -	R3	19.00	9.44	8.803602%	-	9
10	C395.10-Laboratory Eq -Other	1,997,979.18	-	-	\$ (920,088.17)	\$ 1,327.15	R5	25.00	12.15	4.441411%	0.005468%	10
11	C397.10-Commun Equip -Other	194,213,409.25	-	-	\$ (71,046,549.30)	\$ 47,920.05	S6	13.00	8.39	7.559260%	0.002941%	11
12	C398.10-Misc Equip - Other	2,287,818.69	(10.00%)	(228,781.87)	\$ (1,472,661.80)	\$ -	R0.5	13.00	6.55	3.910341%	-	12
		\$ 620,492,973.77		\$ 50,552,742.26	\$ (245,016,578.18)	\$ (12,758,648.71)						
												\$ 35,732,206.35

Note 1: Life Depreciation Rate (k) = [(a) + (d)] ÷ (i) + (e)

Note 2: Net Depreciation Rate Rate (m) = [(a) + (c) + (d) + (e)] ÷ (i) + (a)

Note 3: The Annual Accrual Estimate is calculated based on the beginning-of-year plant balance and will differ from annual depreciation expense, which is calculated on monthly balances using the rates specified herein.

Note 4: C392.10 did not have a net depreciable balance at the beginning of the year, but new activity in 2016 necessitated subsequent generation of depreciation rates based on the year-end plant balance.

This workbook supports the life and removal rates shown in the preceding page (AJ-4B).

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AJ
DEPRECIATION & AMORTIZATION EXPENSE
BASE PERIOD / TRUE UP PERIOD - 12/31/2016
(\$1,000)

INCENTIVE TRANSMISSION PLANT

Line No.	Account No.	Description	(1) Incentive Transmission Expense Per Book	(2) Incentive Transmission Expense Per Ratemaking	Line No.
1	303	Intangibles	\$		1
2	350	Land and Land Rights	-		2
3	352	Structures and Improvements	-		3
4	353	Station Equipment	-		4
5	354	Towers and Fixtures	-		5
6	355	Poles and Fixtures	-		6
7	356	Overhead Conductors & Devices	-		7
8	357	Underground Conduit	-		8
9	358	Underground Conductors & Devices	-		9
10	359	Roads and Trails	-		10
11		Total Incentive Transmission Plant Depreciation Exp.	\$	-	11
				\$	-

**SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AJ
DEPRECIATION AND AMORTIZATION EXPENSE
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)**

TRANSMISSION PLANT ABANDONED PROJECT COST

Line No.	Total Transmission Plant Abandoned Project Cost Amortization Exp. Per Book	Reference From	Line No.
1	December 31, 2016 Expense \$ -		1

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AJ
DEPRECIATION AND AMORTIZATION EXPENSE
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

INCENTIVE TRANSMISSION PLANT ABANDONED PROJECT COST

Line No.	Total Incentive Transmission Plant Abandoned Project Cost Amortization Exp. Per Book	Reference From	Line No.
1	December 31, 2016 Expense \$ -		1

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
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DEPRECIATION AND AMORTIZATION OF ELECTRIC PLANT (Account 403, 404, 405)
(Except amortization of acquisition adjustments)

1. Report in section A for the year the amounts for : (b) Depreciation Expense (Account 403); (c) Depreciation Expense for Asset Retirement Costs (Account 403.1; (d) Amortization of Limited-Term Electric Plant (Account 404); and (e) Amortization of Other Electric Plant (Account 405).

2. Report in Section 8 the rates used to compute amortization charges for electric plant (Accounts 404 and 405). State the basis used to compute charges and whether any changes have been made in the basis or rates used from the preceding report year.

3. Report all available information called for in Section C every fifth year beginning with report year 1971, reporting annually only changes to columns (c) through (g) from the complete report of the preceding year.
Unless composite depreciation accounting for total depreciable plant is followed, list numerically in column (a) each plant subaccount, account or functional classification, as appropriate, to which a rate is applied. Identify at the bottom of Section C the type of plant included in any sub-account used.
In column (b) report all depreciable plant balances to which rates are applied showing subtotals by functional Classifications and showing composite total. Indicate at the bottom of section C the manner in which column balances are obtained. If average balances, state the method of averaging used.
For columns (c), (d), and (e) report available information for each plant subaccount, account or functional classification Listed in column (a). If plant mortality studies are prepared to assist in estimating average service Lives, show in column (f) the type mortality curve selected as most appropriate for the account and in column (g), if available, the weighted average remaining life of surviving plant. If composite depreciation accounting is used, report available information called for in columns (b) through (g) on this basis.

4. If provisions for depreciation were made during the year in addition to depreciation provided by application of reported rates, state at the bottom of section C the amounts and nature of the provisions and the plant items to which related.

A. Summary of Depreciation and Amortization Charges

Line No.	Functional Classification (a)	Depreciation Expense (Account 403) (b)	Depreciation Expense for Asset Retirement Costs (Account 403.1) (c)	Amortization of Limited Term Electric Plant (Account 404) (d)	Amortization of Other Electric Plant (Acc 405) (e)	Total (f)
1	Intangible Plant			23,855,697		23,855,697
2	Steam Production Plant	19,959,325				19,959,325
3	Nuclear Production Plant					
4	Hydraulic Production Plant-Conventional					
5	Hydraulic Production Plant-Pumped Storage					
6	Other Production Plant	20,940,829			2,148	20,942,977
7	Transmission Plant	125,144,577			1,891,120	127,035,697
8	Distribution Plant	219,537,273			1,896,092	221,433,365
9	Regional Transmission and Market Operation					
10	General Plant	14,880,388				14,880,388
11	Common Plant-Electric	26,344,848		33,802,525		60,147,373
12	TOTAL	426,807,240		57,658,222	3,789,360	488,254,822

See
AJ-2B

AJ-1

AJ-3

AJ-4

See
AJ-8D

B. Basis for Amortization Charges

Account 404
The amortization of Intangible Plant (software) is based on the anticipated useful life of the software project.

Account 405
The amortization of Land Rights is based on the anticipated useful lives of the rights-of-way.

Name of Respondent	This Report is:	Date of Report	Year/Period of Report
San Diego Gas & Electric Company	(1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	(Mo, Da, Yr) / /	2016/Q4
FOOTNOTE DATA			

Schedule Page: 336 Line No.: 12 Column: f

Reclassification of 2015 Electric Depreciation and Amortization Charges
Depreciation and Amortization Expense Charged in Accordance with FERC Seven Factor Test
In Accordance with Guidelines in FERC Order 888

	Depreciation Expense (Account 403)	Amortization of Limited Term Electric Plant (Account 404)	Amortization of Other Electric Plant (Account 405)	Total
<u>Intangible Plant</u>	-	23,855,697	-	<u>23,855,697</u> AT-2B
Steam Production	20,429,972	-	-	20,429,972
Nuclear Production	-	-	-	-
Other Production	19,210,811	-	-	19,210,811
<u>Transmission Plant</u>	123,603,632	-	1,882,524	125,486,156 see AT-8B
Distribution Plant	222,337,589	-	1,906,836	224,244,425
<u>General Plant</u>	14,880,388	-	-	<u>14,880,388</u> AT-3
<u>Common Plant-Electric</u>	26,344,848	33,802,525	-	<u>60,147,373</u> AT-4
Total Ratemaking Depreciation & Amort.	426,807,240	57,658,222	3,789,360	488,254,822

Schedule Page: 336.2 Line No.: 46 Column: b

Depreciable Plant Base (In Thousands) shown as weighted plant calculated through the quotient of depreciation expense, inclusive of Net Salvage, and annual depreciation rate.

Schedule Page: 336.2 Line No.: 46 Column: c

Estimated Avg. Service Life for the CPEP, Desert Star, Palomar, and Miramar, generating facilities represents the cost-weighted difference between in-service dates and the decommissioning date for each plant at the beginning of the year. It is provided for informational purposes only.

Schedule Page: 336.2 Line No.: 46 Column: d

Depreciation parameters based upon 2016 California Public Utilities Commission D. 16-06-054.

Schedule Page: 336.2 Line No.: 46 Column: g

Average Remaining Life represents the calculated expectancy, or cost-weighted average remaining life, for assets in service at the beginning of 2016 based upon the specified depreciation parameters of mortality curve, average service life / decommissioning date.

(See AT-8A) 125,486,156
 (See AT-8D, line 9) 15,744 (a)
 125,501,900 AT-1, line 11, col. 2

(a) The 15,744 in expense on Form 1 Pg. 115, col. 9, row 9, represents the annual amortization expense of the capitalized difference between CPUC & FERC's recognized in-service dates for the Southwest Powerlink. The difference is recorded in deferred debit FERC account 186 and the amortization of the difference is included in account 406. The amortization is considered a ratemaking adjustment with the annual expense continuing over the 30 year amortization life of the line, ending in 2023.

AT-8B

Name of Respondent San Diego Gas & Electric Company		This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4		
STATEMENT OF INCOME						
Quarterly						
1. Report in column (c) the current year to date balance. Column (c) equals the total of adding the data in column (g) plus the data in column (i) plus the data in column (k). Report in column (d) similar data for the previous year. This information is reported in the annual filing only.						
2. Enter in column (e) the balance for the reporting quarter and in column (f) the balance for the same three month period for the prior year.						
3. Report in column (g) the quarter to date amounts for electric utility function; in column (i) the quarter to date amounts for gas utility, and in column (k) the quarter to date amounts for other utility function for the current year quarter.						
4. Report in column (h) the quarter to date amounts for electric utility function; in column (j) the quarter to date amounts for gas utility, and in column (l) the quarter to date amounts for other utility function for the prior year quarter.						
5. If additional columns are needed, place them in a footnote.						
Annual or Quarterly if applicable						
5. Do not report fourth quarter data in columns (e) and (f)						
6. Report amounts for accounts 412 and 413, Revenues and Expenses from Utility Plant Leased to Others, in another utility column in a similar manner to a utility department. Spread the amount(s) over lines 2 thru 26 as appropriate. Include these amounts in columns (c) and (d) totals.						
7. Report amounts in account 414, Other Utility Operating Income, in the same manner as accounts 412 and 413 above.						
Line No.	Title of Account (a)	(Ref.) Page No. (b)	Total Current Year to Date Balance for Quarter/Year (c)	Total Prior Year to Date Balance for Quarter/Year (d)	Current 3 Months Ended Quarterly Only No 4th Quarter (e)	Prior 3 Months Ended Quarterly Only No 4th Quarter (f)
1	UTILITY OPERATING INCOME					
2	Operating Revenues (400)	300-301	4,675,441,554	4,809,317,693		
3	Operating Expenses					
4	Operation Expenses (401)	320-323	2,813,748,005	2,968,444,719		
5	Maintenance Expenses (402)	320-323	147,675,353	143,626,230		
6	Depreciation Expense (403)	336-337	476,502,991	453,392,042		
7	Depreciation Expense for Asset Retirement Costs (403.1)	336-337				
8	Amort. & Depl. of Utility Plant (404-405)	336-337	72,759,995	65,809,850		
9	Amort. of Utility Plant Acq. Adj. (406)	336-337	15,744	15,744		
10	Amort. Property Losses, Unrecov Plant and Regulatory Study Costs (407)		59,819,081	57,699,676		
11	Amort. of Conversion Expenses (407)					
12	Regulatory Debits (407.3)		381,765			
13	(Less) Regulatory Credits (407.4)					
14	Taxes Other Than Income Taxes (408.1)	262-263	130,167,481	126,821,543		
15	Income Taxes - Federal (409.1)	262-263		11,172,935		
16	- Other (409.1)	262-263	22,002,634	113,208,682		
17	Provision for Deferred Income Taxes (410.1)	234, 272-277	627,850,891	570,853,458		
18	(Less) Provision for Deferred Income Taxes-Cr. (411.1)	234, 272-277	366,146,724	394,291,215		
19	Investment Tax Credit Adj. - Net (411.4)	266	-2,693,659	-2,886,234		
20	(Less) Gains from Disp. of Utility Plant (411.6)					
21	Losses from Disp. of Utility Plant (411.7)					
22	(Less) Gains from Disposition of Allowances (411.8)					
23	Losses from Disposition of Allowances (411.9)					
24	Accretion Expense (411.10)					
25	TOTAL Utility Operating Expenses (Enter Total of lines 4 thru 24)		3,982,083,557	4,113,867,430		
26	Net Util Oper Inc (Enter Tot line 2 less 25) Carry to Pg117,line 27		693,357,997	695,450,263		

AJ-8C

Name of Respondent San Diego Gas & Electric Company	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
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STATEMENT OF INCOME FOR THE YEAR (Continued)

9. Use page 122 for important notes regarding the statement of income for any account thereof.
 10. Give concise explanations concerning unsettled rate proceedings where a contingency exists such that refunds of a material amount may need to be made to the utility's customers or which may result in material refund to the utility with respect to power or gas purchases. State for each year effected the gross revenues or costs to which the contingency relates and the tax effects together with an explanation of the major factors which affect the rights of the utility to retain such revenues or recover amounts paid with respect to power or gas purchases.
 11. Give concise explanations concerning significant amounts of any refunds made or received during the year resulting from settlement of any rate proceeding affecting revenues received or costs incurred for power or gas purchases, and a summary of the adjustments made to balance sheet, income, and expense accounts.
 12. If any notes appearing in the report to stockholders are applicable to the Statement of Income, such notes may be included at page 122.
 13. Enter on page 122 a concise explanation of only those changes in accounting methods made during the year which had an effect on net income, including the basis of allocations and apportionments from those used in the preceding year. Also, give the appropriate dollar effect of such changes.
 14. Explain in a footnote if the previous year's/quarter's figures are different from that reported in prior reports.
 15. If the columns are insufficient for reporting additional utility departments, supply the appropriate account titles report the information in a footnote to this schedule.

ELECTRIC UTILITY		GAS UTILITY		OTHER UTILITY		Line No.
Current Year to Date (in dollars) (g)	Previous Year to Date (in dollars) (h)	Current Year to Date (in dollars) (i)	Previous Year to Date (in dollars) (j)	Current Year to Date (in dollars) (k)	Previous Year to Date (in dollars) (l)	
						1
4,175,564,018	4,304,455,432	504,127,587	507,638,955	-4,250,051	-2,776,694	2
						3
2,496,491,349	2,641,565,272	322,195,577	332,176,224	-4,938,921	-5,296,777	4
127,767,903	120,975,470	19,907,450	22,650,760			5
① 426,807,240	405,451,532	48,222,822	45,773,036	1,472,929	2,167,474	6
						7
① 61,447,582	56,012,444	11,312,413	9,797,406			8
① 15,744 (AT-8B)	15,744					9
59,819,081	57,699,676					10
						11
188,697		193,068				12
						13
114,403,679	111,187,066	15,129,316	14,966,079	634,486	668,398	14
	7,277,252		3,895,683			15
16,395,774	101,466,804	5,606,860	11,741,878			16
570,947,490	503,684,431	56,903,401	67,169,027			17
329,833,167	351,796,872	36,313,557	42,494,343			18
-2,180,730	-2,355,653	-512,929	-530,581			19
						20
						21
						22
						23
						24
3,542,270,642	3,651,183,166	442,644,421	465,145,169	-2,831,506	-2,460,905	25
633,293,376	653,272,266	61,483,166	42,493,786	-1,418,545	-315,789	26

Σ ① 488,254,822
(See AT-8, line 12)

AJ-8D

San Diego Gas & Electric Company

Base Period & True-Up Period

Statement - AK Taxes Other Than Income Taxes Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AK - Workpapers
Taxes Other Than Income Taxes

Base Period 12 - Months Ending December 31, 2016
(\$1,000)

Line No.	Amounts	Reference	Line No.
1 Total Property Taxes	\$ 100,320	Stmt AK WP; Page AK-1; Line 1	1
2		Form 1; Page 263; Line 2; Col. i	2
3 Less: Other Taxes (Business license taxes)	-	Stmt AK WP; Page AK-1; Line 3	3
4			4
5 Net Property Taxes	\$ 100,320	Sum of Lines 1 thru 3	5
6			6
7 Less: SONGS Property Taxes	(2,708)	Form 1; Page 450.1; Sch. Pg. 262; Line 2; Col. i	7
8			8
9 Total Property Taxes Expense	\$ 97,612	Sum of Lines 5 thru 7	9
10			10
11 Transmission Related Property Tax Allocation Factor	39.07%	Cost Statement AK; Pg 8 of 17; Line 25	11
12			12
13 Transmission Related Property Taxes Expense	\$ 38,137	Line 9 x Line 11	13
14			14
15			15
16 Total Payroll Taxes Expense	\$ 14,029	Form 1; Pg. 263; Lns 10;18;19;20 Col. i	16
17			17
18 Transmission Wages and Salaries Allocation Factor	17.52%	Statement AI; Line 19	18
19			19
20 Transmission Related Payroll Taxes Expense	\$ 2,458	Line 16 x Line 18	20

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AK - Workpapers
Taxes Other Than Income Taxes
For 12-Months Ending - December 31, 2016
(\$1,000)

Line No.	Amount	Reference	Line No.
1 Total Property Taxes ¹	\$ 100,320	See Footnote 1	1
2			2
3 Less: Other Taxes (Business license taxes) ²	<u>-</u>	See Footnote 2	3
4			4
5 Net Property Taxes	\$ 100,320	Sum of Lines 1 thru 3	5
6			6
7 Less: SONGS Property Taxes ³	<u>(2,708)</u>	See Footnote 3	7
8			8
9 Total Property Taxes Expense	<u>\$ 97,612</u>	Sum of Lines 5 thru 7	9

¹ The amount of property tax expense for the 12-months ending December 31, 2016 excluding the Citizens property taxes of \$605K equals \$100.3M. For Citizens Property Tax expenses see FERC Form 1 Page 450.1 Note for Schedule Page 262; Line 2; Col. 1.

² Business license taxes are now separately shown in FERC Form 1, Page 263, Line 4.

³ The amount of property tax expense for the 12-months ending December 31, 2016 for the SONGS facilities is \$2.7M. See FERC Form 1 Page 450.1 Note for Schedule Page 262; Line 2; Col. i.

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AK - Workpapers
Taxes Other Than Income Taxes
For 12-Months Ending - December 31, 2016
(\$1,000)

Line No.	Amount	Reference	Line No.
1 Total Payroll Taxes ¹	\$ 14,029	Form 1; Pg. 263; Lns 10;18;19;20 Col. i	1
2			2
3 Transmission Wages and Salaries Allocation Factor	<u>17.52%</u>	Statement AI; Line 19	3
4			4
5 Transmission Related Payroll Taxes Expense	<u>\$ 2,458</u>	Line 1 x Line 3	5

¹ Excludes Citizens payroll taxes of \$30K. See FERC Form 1 Page 450.1 Note for Schedule Page 262; Line 18; Col. i.

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
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TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR

1. Give particulars (details) of the combined prepaid and accrued tax accounts and show the total taxes charged to operations and other accounts during the year. Do not include gasoline and other sales taxes which have been charged to the accounts to which the taxed material was charged. If the actual, or estimated amounts of such taxes are know, show the amounts in a footnote and designate whether estimated or actual amounts.
2. Include on this page, taxes paid during the year and charged direct to final accounts, (not charged to prepaid or accrued taxes.) Enter the amounts in both columns (d) and (e). The balancing of this page is not affected by the inclusion of these taxes.
3. Include in column (d) taxes charged during the year, taxes charged to operations and other accounts through (a) accruals credited to taxes accrued, (b) amounts credited to proportions of prepaid taxes chargeable to current year, and (c) taxes paid and charged direct to operations or accounts other than accrued and prepaid tax accounts.
4. List the aggregate of each kind of tax in such manner that the total tax for each State and subdivision can readily be ascertained.

Line No.	Kind of Tax (See instruction 5) (a)	BALANCE AT BEGINNING OF YEAR		Taxes Charged During Year (d)	Taxes Paid During Year (e)	Adjustments (f)
		Taxes Accrued (Account 236) (b)	Prepaid Taxes (Include in Account 165) (c)			
1	LOCAL:					
2	Ad Valorem (Note 1)		860,997	111,830,321	122,159,208	-10,351,467
3	Sales and Use	18,241		252,324	191,772	
4	Business License			59,899	59,899	
5						
6	SUBTOTAL	18,241	860,997	112,142,544	122,410,879	-10,351,467
7						
8	STATE:					
9	Franchise (Note 3)		2,577,393	22,233,507	54,312,581	5,870,102
10	Unemployment (Note 4)	346,168		1,312,974	1,062,721	
11	Sales and Use (Note 2)	61,036		756,974	575,314	
12	Fuel Tax	8,494		6,926	13,717	
13						
14	SUBTOTAL	415,698	2,577,393	24,310,381	55,964,333	5,870,102
15						
16	FEDERAL:					
17	Taxes on Income (Note 3)		3,831,535		82,600,000	
18	Retirement (Note 4)	863,957		27,543,700	27,369,417	
19	Unemployment (Note 4)	551,987		340,132	200,004	
20	Medicare (Note 4)	213,049		8,141,934	8,112,168	-40
21	Fuel Tax	-33,457		-163,809	-229,101	
22						
23						
24	SUBTOTAL	1,595,536	3,831,535	35,861,957	118,052,488	-40
25						
26	Other - Foreign Tax					
27						
28						
29						
30						
31	Note 1					
32						
33	Note 2					
34						
35	Note 3					
36						
37	Note 4					
38						
39						
40						
41	TOTAL	2,029,475	7,269,925	172,314,882	296,427,700	-4,481,405

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
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TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR (Continued)

5. If any tax (exclude Federal and State income taxes)- covers more then one year, show the required information separately for each tax year, identifying the year in column (a).
6. Enter all adjustments of the accrued and prepaid tax accounts in column (f) and explain each adjustment in a foot- note. Designate debit adjustments by parentheses.
7. Do not include on this page entries with respect to deferred income taxes or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.
8. Report in columns (i) through (l) how the taxes were distributed. Report in column (l) only the amounts charged to Accounts 408.1 and 409.1 pertaining to electric operations. Report in column (l) the amounts charged to Accounts 408.1 and 109.1 pertaining to other utility departments and amounts charged to Accounts 408.2 and 409.2. Also shown in column (l) the taxes charged to utility plant or other balance sheet accounts.
9. For any tax apportioned to more than one utility department or account, state in a footnote the basis (necessity) of apportioning such tax.

BALANCE AT END OF YEAR		DISTRIBUTION OF TAXES CHARGED				Line No.	
(Taxes accrued Account 236) (g)	Prepaid Taxes (Incl. in Account 165) (h)	Electric (Account 408.1, 409.1) (i)	Extraordinary Items (Account 409.3) (j)	Adjustments to Ret. Earnings (Account 439) (k)	Other (l)		
						1	
	838,416	100,320,026			11,510,295	2	
78,793					252,324	3	
		54,851			5,048	4	
						5	
78,793	838,416	100,374,877			11,767,667	6	
						7	
						8	
	40,526,569	16,395,774			5,837,733	9	
596,420		998,504	(R)		314,470	10	
242,696					756,975	11	
1,703					6,926	12	
						13	
840,819	40,526,569	17,394,278			6,916,104	14	
						15	
						16	
	86,431,535					17	
1,038,240		9,857,691	(B)		17,686,009	18	
692,115		258,667	(C)		81,465	19	
242,774		2,913,940	(D)		5,227,993	20	
31,835					-163,809	21	
						22	
						23	
2,004,964	86,431,535	13,030,298			22,831,658	24	
						25	
						26	
		total payroll taxes					27
						28	
		State:				29	
		(R)	unemployment		998,504	30	
						31	
		Federal:				32	
		(B)	Retirement		9,857,691	33	
		(C)	unemployment		258,667	34	
		(D)	Medicare		2,913,940	35	
						36	
					14,028,802	37	
						38	
						39	
						40	
2,924,576	127,796,520	130,799,453			41,515,429	41	

Name of Respondent San Diego Gas & Electric Company	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2016/Q4
FOOTNOTE DATA			

Schedule Page: 262 Line No.: 2 Column: f

This adjustment is for a portion of property taxes paid on construction work in process. The property tax charged during the year was reduced and capitalized to certain assets under construction.

Schedule Page: 262 Line No.: 2 Column: i

Amount includes Ad Valorem taxes on SONGS in the amount of \$2,707,851

Property Tax expense of \$604,652 associated with the Citizens portion of the Border-Eastline are deducted and moved to column (I).

Schedule Page: 262 Line No.: 2 Column: l

Includes property tax expense of \$604,652 associated with the Citizens portion of the Border-Eastline.

Schedule Page: 262 Line No.: 9 Column: f

Description	Adjustment Amount	FERC 165/236	FERC 146000C
Balance Sheet Reclassification Between Federal and State	-	-	-
Balance Sheet Reclassification Due to FIN 48 Liabilities	944,057	(944,057)	-
Adoption of ASU 2016-098 Stock Comp	4,926,045	-	(4,926,045)
Total - California Corporation Franchise Tax Adjustment	5,870,102	(944,057)	(4,926,045)

Schedule Page: 262 Line No.: 18 Column: i

Payroll Tax expense of \$29,834 associated with the Citizens portion of the Border-Eastline are deducted and moved to column (I).

Schedule Page: 262 Line No.: 18 Column: l

Includes property tax expense of \$29,834 associated with the Citizens portion of the Border-Eastline.

Schedule Page: 262 Line No.: 31 Column: a

Note 1:

Ad Valorem taxes are allocated based on type of assets in each taxing jurisdiction.

Schedule Page: 262 Line No.: 33 Column: a

Note 2:

Sales and Use taxes are allocated based on the Common Allocation Factor.

Schedule Page: 262 Line No.: 35 Column: a

Note 3:

State and Franchise Tax and Federal Income Tax are charged to departments based on total taxable income generated by each department.

Schedule Page: 262 Line No.: 37 Column: a

Note 4:

Retirement, Unemployment, and Medicare taxes are charged to departments as a percentage of total taxable labor charged.

San Diego Gas & Electric Company

Base Period & True Up Period

Statement - AL Working Capital Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY

Statement AL - Workpapers

Working Capital

Base Period & True-Up Period 12 - Months Ending December 31, 2016

(\$1,000)

Line No.	Working Cash	13 Months Average Balance	Reference	Line No.
1		\$ 97,383	Stmnt AL WP; Page AL-1; Line 15	1
2				2
3		38.83%	Stmnt AD WP; Page AD1; Line 39	3
4				4
5		\$ 37,814	Line 1 x Line 3	5
6				6
7		\$ 41,277	Stmnt AL WP; Page AL-2; Line 15	7
8				8
9		\$ 16,028	Line 3 x Line 7	9
10				10
11	C. Derivation of Transmission Related Cash Working Capital - Retail:			
12		\$ 73,249	Stmnt AH WP; Page AH1; Line 9	12
13		49,516	Stmnt AH WP; Page AH1; Line 56	13
14		-	Stmnt AH WP; Page AH1; Line 17	14
15		\$ 122,765	Sum Lines 12 thru 14	15
16				16
17		12.50%	FERC Method = 1/8 of O&M Expense	17
18				18
19		\$ 15,346	Line 15 x Line 17	19
20				20
21	D. Adj. to Back Out CPUC Intervenor Funding Exp. Embedded in Retail Working Cash:			
22		\$ -	See Line 14 Above	22
23				23
24		12.50%	FERC Method = 1/8 of O&M Expense	24
25				25
26		\$ -	Line 22 x Line 24	26
27				27
28		11.5050%	Stmnt AV WP; Page AV2; Line 31	28
29				29
30		\$ -	Line 26 x Line 28	30

^a The balances for Materials & Supplies and Prepayments are derived based on a 13-month average balance.

^b This adjustment is being made to BK-2, page 1, line 6 to show that wholesale customers should not pay for this working cash item.

SAN DIEGO GAS AND ELECTRIC COMPANY
STATEMENT AL
WORKING CAPITAL
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOKS
(\$1,000)

ACCOUNT 154 PLANT MATERIALS AND OPERATING SUPPLIES
ELECTRIC ALLOWABLE PER FERC FORMULA

Line No.	Month	Total Electric Plant Materials & Supplies	Line No.
1	Dec-15	\$ 95,533	1
2	Jan-16	95,989	2
3	Feb	95,159	3
4	Mar	95,780	4
5	Apr	96,295	5
6	May	97,488	6
7	Jun	96,600	7
8	Jul	97,310	8
9	Aug	97,241	9
10	Sep	97,924	10
11	Oct	99,387	11
12	Nov	100,296	12
13	Dec-16	100,982	13
14	Total 13 Months	1,265,984	14
15	13-Month Average Balance	\$ 97,383	15

Name of Respondent San Diego Gas & Electric Company	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2016/Q4
FOOTNOTE DATA			

Schedule Page: 227 Line No.: 12 Column: c

Reclassification of FERC Form 1 2016 Materials & Supplies, Page 227, for Ratemaking

Materials and Supplies

Classified

In accordance with Guidelines in

FERC Order 888

	BOY 2016	EOY 2016
Total Materials and Supplies (FERC 154)	104,583,010	112,815,264 ¹
As Assigned to Department for Ratemaking		
Electric Department	101,319,984	109,544,804
Gas Department	3,263,026	3,270,460
Less Line 5 (Construction Estimate)		
Electric Department	(5,787,452)	(8,562,720)
Gas Department	(317,195)	(330,333)
Total Allowable Materials and Supplies		
Electric Department	95,532,532	100,982,084
Gas Department	2,945,831	2,940,126
Total Allowable Materials and Supplies per FERC Formula	98,478,363	103,922,211 ²
Total 13-Month Average Electric M&S for 2016	91,724,081	<u>97,383,389</u>

¹ Ties to Line 12 of FERC Form 1, pages 227

² Ties to Line 12 minus Line 5 of FERC Form 1, pages 227

SAN DIEGO GAS AND ELECTRIC COMPANY
STATEMENT AL
WORKING CAPITAL
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOKS
(\$1,000)
ACCOUNT 165 PREPAYMENTS - ELECTRIC

Line No.	Month	Total Electric Plant Prepayments	Line No.
1	Dec-15	\$ 36,956	1
2	Jan-16	34,359	2
3	Feb	29,951	3
4	Mar	33,840	4
5	Apr	45,796	5
6	May	29,390	6
7	Jun	13,948	7
8	Jul	62,750	8
9	Aug	56,470	9
10	Sep	54,086	10
11	Oct	48,549	11
12	Nov	44,272	12
13	Dec-16	46,236	13
14	Total 13 Months	536,603	14
15	13-Month Average	\$ 41,277	15

Name of Respondent	This Report is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
San Diego Gas & Electric Company	(1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	/ /	2016/Q4
FOOTNOTE DATA			

Schedule Page: 110 Line No.: 57 Column: c

The 13-month Average Electric Prepayments for 2016 is \$41,277,154.

San Diego Gas & Electric Company

Base Period & True-Up Period

Statement AM Construction Work In Progress (CWIP) Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY

Statement AM - Workpapers

Construction Work In Progress (CWIP)

Base Period & True-Up Period 12 - Months Ending December 31, 2016

(\$1,000)

<u>Line No</u>	<u>13 Months Average Balance</u>	<u>Reference</u>	<u>Line No</u>
1 Incentive Transmission Construction Work In Progress ^a	\$ -	Stmt AM WP; Page AM-1; Line 15	1

^a The balance for Incentive Transmission Construction Work In Progress is derived based on a 13-month average balance.
A line will be shown for each applicable project.

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT AM
COST OF PLANT
BASE PERIOD / TRUE UP PERIOD - 12/31/2016 PER BOOK
(\$1,000)

INCENTIVE TRANSMISSION CONSTRUCTION WORK IN PROGRESS

Line No.	Month	(1) Total Incentive Transmission CWIP Per Book	Reference From	(2) Incentive Transmission CWIP Adjusted Book	Reference From	Line No.
1	Dec-15	\$ -		\$ -		1
2	Jan-16	-		-		2
3	Feb	-		-		3
4	Mar	-		-		4
5	Apr	-		-		5
6	May	-		-		6
7	Jun	-		-		7
8	Jul	-		-		8
9	Aug	-		-		9
10	Sep	-		-		10
11	Oct	-		-		11
12	Nov	-		-		12
13	Dec-16	-		-		13
14	Total 13 Months	-		-		14
15	13 - Month Average Balance	\$ -		\$ -		15

San Diego Gas & Electric Company

Base Period & True-Up Period

Statement - AQ Federal Income Tax Deductions - Other than Interest Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AQ - Workpapers
Federal Income Tax Deductions, Other Than Interest
Base Period & True-Up Period 12 - Months Ending December 31, 2016
(\$1,000)

<u>Line No.</u>	<u>Amounts</u>	<u>Reference</u>	<u>Line No.</u>
1 South Georgia Income Tax Adjustment	<u>\$ 2,333</u>	Form 1; Page 450.1; Sch Pg 261; Line 17; Col. b	1

Name of Respondent	This Report is:	Date of Report	Year/Period of Report
San Diego Gas & Electric Company	(1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	(Mo, Da, Yr) / /	2016/Q4
FOOTNOTE DATA			

Schedule Page: 261 Line No.: 8 Column: b

Fuel Tax Credit Addback	\$ 8,000
GAA Retirements Election	9,974,496
Total	\$ 9,982,496

Schedule Page: 261 Line No.: 13 Column: b

SERP	387,413
Miscellaneous Expenses	(2,183,141)
Total	\$ (1,795,728)

Schedule Page: 261 Line No.: 17 Column: b

South Georgia Adjustment of \$2,333,000 is included in book taxable income to reverse tax benefits flowed through in rates prior to full normalization of book/tax adjustments.

Schedule Page: 261 Line No.: 26 Column: b

Amortization of Loss on Reacquired Debt	\$ (2,644,717)
Contingency Book Reserves	(2,936,855)
Abandonment Loss	(4,688,653)
Miscellaneous Expenses	(1,084,397)
Property Tax/Ad Valorem	(900,626)
Restricted Stock Awards	(17,922,997)
Facts & Circumstances Repairs	(14,403,060)
Total	\$ (44,581,305)

San Diego Gas & Electric Company

Base Period & True-Up Period

Statement - AR Federal Income Tax Adjustments Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AR - Workpapers
Federal Tax Adjustments

Base Period & True-Up Period 12 - Months Ending December 31, 2016
(\$1,000)

Line No.		Amounts	Reference	Line No.
1	Transmission Related Amortization of Investment Tax Credits	\$ (265)	Form 1; Page 450.1; Sch. Pg 266; Line 8; Col f	1
2				2
3	Transmission Related Amortization of Excess Deferred Tax Liabilities	-	Form 1; Page 450.1; Sch. Pg 234; Line 2; Col c	3
4				4
5	Total	<u>\$ (265)</u>	Sum Lines 1; 3	5

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AR
Federal Tax Adjustments
For 12-Months Ending - December 31, 2016
(\$1,000)

Line No.	Amount	Reference	Line No.
1	\$ (265)	Form 1; Page 450.1; Sch. Pg 266; Line 8; Col f	1
2			2
3	-	Form 1; Page 450.1; Sch. Pg 234; Line 2; Col c	3
4			4
5	<u>\$ (265)</u>	Sum Lines 1; 3	5

¹ As of December 31, 2013, the Transmission Related Excess Deferred Tax Liabilities was fully amortized. However, SDG&E will continue to show this line item with a zero balance for its annual informational filing since this item is a component of the TO4 Formula.

Name of Respondent	This Report is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
San Diego Gas & Electric Company	(1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	//	2016/Q4
FOOTNOTE DATA			

Schedule Page: 266 Line No.: 8 Column: f

Transmission related amortization of investment tax credits allocated to current year income is \$264,763.

Name of Respondent San Diego Gas & Electric Company	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) . / /	Year/Period of Report 2016/Q4
FOOTNOTE DATA			

Schedule Page: 234 Line No.: 2 Column: b

Electric balance in Account 190 at the end of the year reflects a reduction for amortization of transmission related excess deferred federal income taxes in the amount of \$0.

Schedule Page: 234 Line No.: 2 Column: c

Electric balance in Account 190 at the end of the year reflects a reduction for amortization of transmission related excess deferred federal income taxes in the amount of \$0.

San Diego Gas & Electric Company

Base Period & True-Up Period

Statement - AU Revenue Credits Workpapers

Docket No. ER18-____ - ____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AU - Workpapers
Revenue Credits

Base Period & True-Up Period 12 - Months Ending December 31, 2016
(\$1,000)

Line No.	Amounts	Reference	Line No.
1 (451) Miscellaneous Service Revenues	\$ -	Stmt AU WP; Page AU-1; Line 1	1
2			2
3 (453) Sales of Water and Water Power	-	Stmt AU WP; Page AU-1; Line 4	3
4			4
5 (454) Rent from Electric Property	1,733	Stmt AU WP; Page AU-2; Line 4; Col. (m)	5
6			6
7 (455) Interdepartmental Rents	-	Stmt AU WP; Page AU-1; Line 7	7
8			8
9 (456) Other Electric Revenues	3,785	Stmt AU WP; Page AU-2; Line 22; Col. (m)	9
10			10
11 Transmission Related Revenue Credits	\$ 5,518	Sum Lines 1 thru 9	11
12			12
13 (411.6 & 411.7) Gain or Loss From Sale of Plant Held for Future Use	\$ -	FERC Accounts 411.6 and 411.7	13

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AU
Revenue Credits
For 12-Months Ending December 31, 2016
(\$1,000)

<u>Line No.</u>	<u>Amounts</u>	<u>Reference</u>	<u>Line No.</u>
1 (451) Miscellaneous Service Revenues	<u>\$ -</u>	Note 1	1
2			2
3			3
4 (453) Sales of Water and Water Power	<u>\$ -</u>	Note 1	4
5			5
6			6
7 (455) Interdepartmental Rents	<u>\$ -</u>	Note 1	7

¹ None of the above items apply to SDG&E's TO4 Cycle 5 filing. However, as one or more of these items apply, the applicable data field will be filled.

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AU
Revenue Credits
12 Months Ending December 31, 2016

Line No	SAP Account #	FERC Account #	SAP Account Description	(a) Jan-16	(b) Feb-16	(c) Mar-16	(d) Apr-16	(e) May-16	(f) Jun-16	(g) Jul-16	Line No
1	4371049	454	Rents	\$ (32,464)	\$ (32,464)	\$ (33,431)	\$ (535,303)	\$ (32,537)	\$ (32,558)	\$ (33,856)	1
2	4371050	454	Rent - Electric Property	(14,065)	(14,103)	(54,354)	(14,103)	(14,103)	(14,102)	(15,285)	2
3											3
4			Total Rent from Electric Property	(46,529)	(46,567)	(87,785)	(549,406)	(46,640)	(46,660)	(49,141)	4
5											5
6	4371016	456	Generation Interconnection	(1,754,824)	(48,043)	(48,044)	(48,043)	(48,044)	(48,043)	(48,044)	6
7	4371040	456	Revenue Enhancement	30,000	(43,812)	(821)	(89,795)	-	(433)	-	7
8	4371055	456	Shared Asset Revenue	(93,685)	(94,656)	(90,463)	(88,167)	(15,822)	(66,425)	(59,127)	8
9	4371058	456	Elec Trans Joint Pole Activity	(1,500)	(13,940)	(20,016)	(1,013)	500	(2,000)	-	9
10	4371061	456	Excess Microwave Capacity - Elec Trans	(1,439)	(1,438)	(1,439)	(1,438)	(1,439)	(1,438)	(1,439)	10
11	4371065	456	Trans Revenue Trsf to Gen	-	-	-	-	-	-	-	11
12	4371067	456	Trans Revenue Trsf to Dist	-	-	-	-	-	-	-	12
13	4371070	456	Trans Revenue Trsf from Dist	-	-	-	-	-	-	-	13
14	4371076	456	Environmental Lab - Elec Tran	(2,167)	-	(4,072)	(1,200)	(7,394)	-	(795)	14
15	4371082	456	Other Elec Rev-SDGE Gen	(13,087)	-	(26,173)	(13,086)	(13,087)	(13,086)	(13,087)	15
16	4371806	456	Elec-Trans Fees/Rev	-	-	-	-	(1,000)	(10,000)	-	16
17											17
18			Total Other Electric Revenues - Before Citizens Adj	(1,836,702)	(201,889)	(191,028)	(242,742)	(86,286)	(141,425)	(122,492)	18
19											19
20		Various	Elec-Trans Rev - Citizens (see wp AU-2A)	(30,288)	(30,288)	(30,287)	(30,288)	(30,288)	(16,158)	(167,597)	20
21			Total Other Electric Revenues	(1,866,990)	(232,177)	(221,315)	(273,030)	(116,574)	(157,583)	(290,089)	21
22											22
23											23
24			Total Miscellaneous Revenue	\$ (1,913,519)	\$ (278,744)	\$ (309,100)	\$ (822,436)	\$ (163,214)	\$ (204,243)	\$ (339,230)	24

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AU
Revenue Credits
12 Months Ending December 31, 2016

Line No	SAP Account #	FERC Account #	SAP Account Description	(h) Aug-16	(i) Sep-16	(j) Oct-16	(k) Nov-16	(l) Dec-16	(m) Total	Line No
1	4371049	454	Rents	\$ (34,206)	\$ (627,849)	\$ (54,802)	\$ (36,687)	\$ (35,690)	\$ (1,521,847)	1
2	4371050	454	Rent - Electric Property	(14,102)	(14,103)	(14,103)	(14,123)	(14,453)	(210,999)	2
3										3
4			Total Rent from Electric Property	(48,308)	(641,952)	(68,905)	(50,810)	(50,143)	(1,732,846)	4
5										5
6	4371016	456	Generation Interconnection	(48,043)	(48,044)	(48,043)	(41,593)	(41,593)	(2,270,401)	6
7	4371040	456	Revenue Enhancement	(3,245)	(489)	(28,745)	-	(1,167)	(138,507)	7
8	4371055	456	Shared Asset Revenue	(64,688)	(64,469)	(64,052)	(63,557)	(62,775)	(827,886)	8
9	4371058	456	Elec Trans Joint Pole Activity	(24,392)	(21,500)	(17,377)	-	(18,500)	(119,738)	9
10	4371061	456	Excess Microwave Capacity - Elec Trans	(1,438)	(1,439)	(1,438)	(1,439)	(1,438)	(17,262)	10
11	4371065	456	Trans Revenue Trsfr to Gen	-	-	-	-	(11,000)	(11,000)	11
12	4371067	456	Trans Revenue Trsfr to Dist	-	-	-	-	188,000	188,000	12
13	4371070	456	Trans Revenue Trsfr from Dist	-	-	-	-	88,000	88,000	13
14	4371076	456	Environmental Lab - Elec Tran	(566)	(3,645)	806	(2,116)	(1,390)	(22,539)	14
15	4371082	456	Other Elec Rev-SDGE Gen	(13,087)	(13,086)	(13,087)	(13,086)	(13,087)	(157,039)	15
16	4371806	456	Elec-Trans Fees/Rev	(11,000)	(10,000)	-	-	(10,000)	(42,000)	16
17										17
18			Total Other Electric Revenues - Before Citizens Adj	(166,459)	(162,672)	(171,936)	(121,791)	115,050	(3,330,372)	18
19										19
20		Various	Elec-Trans Rev - Citizens (see wp AU-2A)	(70,456)	(43,307)	(43,307)	(43,307)	(43,306)	(454,587)	20
21										21
22			Total Other Electric Revenues	(236,915)	(205,979)	(215,243)	(165,098)	71,744	(3,784,959)	22
23										23
24			Total Miscellaneous Revenue	\$ (285,223)	\$ (847,931)	\$ (284,148)	\$ (215,908)	\$ 21,601	\$ (5,517,805)	24

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AU
Revenue Credits - Citizens Ratemaking Adjustment
12 Months Ending December 31, 2016

Ln	A	B	C = A + B	Ln
No. Citizen's General/Common, Working Capital, and Franchise Fee	Jan - May 2016 Billing Invoice	Jun - Dec 2016 Billing Invoice	Total 2016 Billing	No.
1	\$ 111,921	\$ 218,665	\$ 330,585	1
2	32,580	74,545	107,124	2
3	6,939	9,939	16,878	3
4	\$ 151,439	\$ 303,149	\$ 454,587	4

¹ Amount shown in Column C, Line 4 reflects the amount that will be treated as a credit in SDG&E's Transmission Cost of Service pursuant to the annual Appendix X Informational Filing in Cycles 4 and 5, Docket No. ER15-1817-000 and 16-1777-000, respectively.

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
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ELECTRIC OPERATING REVENUES (Account 400)

- The following instructions generally apply to the annual version of these pages. Do not report quarterly data in columns (c), (e), (f), and (g). Unbilled revenues and MWH related to unbilled revenues need not be reported separately as required in the annual version of these pages.
- Report below operating revenues for each prescribed account, and manufactured gas revenues in total.
- Report number of customers, columns (f) and (g), on the basis of meters, in addition to the number of flat rate accounts; except that where separate meter readings are added for billing purposes, one customer should be counted for each group of meters added. The -average number of customers means the average of twelve figures at the close of each month.
- If increases or decreases from previous period (columns (c),(e), and (g)), are not derived from previously reported figures, explain any inconsistencies in a footnote.
- Disclose amounts of \$250,000 or greater in a footnote for accounts 451, 456, and 457.2.

Line No.	Title of Account (a)	Operating Revenues Year to Date Quarterly/Annual (b)	Operating Revenues Previous year (no Quarterly) (c)
1	Sales of Electricity		
2	(440) Residential Sales	1,385,389,551	1,486,308,656
3	(442) Commercial and Industrial Sales		
4	Small (or Comm.) (See Instr. 4)	1,312,141,086	1,507,963,745
5	Large (or Ind.) (See Instr. 4)	355,650,412	380,735,134
6	(444) Public Street and Highway Lighting	13,575,324	15,263,946
7	(445) Other Sales to Public Authorities		
8	(446) Sales to Railroads and Railways		
9	(448) Interdepartmental Sales		
10	TOTAL Sales to Ultimate Consumers	3,066,756,373	3,390,271,481
11	(447) Sales for Resale	430,362,414	579,635,264
12	TOTAL Sales of Electricity	3,497,118,787	3,969,906,745
13	(Less) (449.1) Provision for Rate Refunds		
14	TOTAL Revenues Net of Prov. for Refunds	3,497,118,787	3,969,906,745
15	Other Operating Revenues		
16	(450) Forfeited Discounts		
17	(451) Miscellaneous Service Revenues	85,186,823	93,141,013
18	(453) Sales of Water and Water Power		
19	(454) Rent from Electric Property (a)	6,563,517	4,311,346
20	(455) Interdepartmental Rents		
21	(456) Other Electric Revenues (b)	328,495,290	-54,553,380
22	(456.1) Revenues from Transmission of Electricity of Others	258,199,601	291,649,708
23	(457.1) Regional Control Service Revenues		
24	(457.2) Miscellaneous Revenues		
25			
26	TOTAL Other Operating Revenues	678,445,231	334,548,687
27	TOTAL Electric Operating Revenues	4,175,564,018	4,304,455,432

(a) The transmission related revenue credit embedded in FERC Account 454, totalling \$1,732,846, is reflected in workpaper AU-2; Page 2 of 2; Line 4; Col. cm).

(b) The transmission related revenue credit embedded in FERC Account 456, totalling \$3.3M, is reflected in workpaper AU-2; Page 2 of 2; Line 18; Col. cm).

Name of Respondent San Diego Gas & Electric Company	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2016/Q4
FOOTNOTE DATA			

Schedule Page: 300 Line No.: 17 Column: b

Description

San Diego Franchise Fee Surcharge	\$80,045,984
Service Establishment	3,567,317
Late Payment Charge	597,838
Other*	975,684
	<u>\$85,186,823</u> (K)

* Individual balances are less than \$250,000

Schedule Page: 300 Line No.: 17 Column: c

Description

San Diego Franchise Fee Surcharge	\$88,007,838
Service Establishment	2,427,250
Late Payment Charge	721,575
Other*	1,984,350
	<u>\$93,141,013</u>

* Individual balances are less than \$250,000

Schedule Page: 300 Line No.: 19 Column: b

Includes Transmission Revenue Credits of \$1,732,846

Schedule Page: 300 Line No.: 19 Column: c

Includes Transmission Revenue Credits of \$709,930

Schedule Page: 300 Line No.: 21 Column: b

Description

Direct Access	\$223,238,550
Balancing Accounts	(7,186,248)
Cap and Trade Revenues	82,024,128
Litigation	3,678,316
CIAC Income Tax	6,391,174
Shared Assets	4,870,607
PUC Reimbursement Fee	6,184,516
Government Turnkey	717,068
Unbilled Revenue	1,896,000
Joint Pole Activity	1,862,654
Generation Trans. Interconnection Rev.	2,270,401
Affiliation Empl Transfer Fees	317,745
Other*	2,230,379
	<u>\$328,495,290</u>

* Individual balances are less than \$250,000

* Includes Transmission Revenue Credits of \$3,330,372

(K) All the amounts in the \$85M with the exception of Franchise Fees is related to distribution. Therefore, these amounts are not applicable to Transmission Stmt Au. The franchise fee is partly related to transmission and is collected as part of BTRR in the BK Cost statements.

San Diego Gas & Electric Company

Base Period & True-Up Period

Statement - AV Cost of Capital and Fair Rate of Return Workpapers

Docket No. ER18-____-____

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AV - Workpapers

Cost of Capital and Fair Rate of Return

Base Period & True-Up Period 12 - Months Ending December 31, 2016

(\$1,000)

Line No.	Amounts	Reference	Line No.
1			1
2			2
3			3
4			4
5			5
6			6
7			7
8			8
9			9
10			10
11			11
12			12
13			13
14			14
15			15
16			16
17			17
18			18
19			19
20			20
21			21
22			22
23			23
24			24
25			25
26			26
27			27
28			28
29			29
30			30
31		Offer of Settlement in FERC Docket No. ER13-941-001	31
32			32
33			33
34			34
35			35
36			36
37			37
38			38
39			39
40			40
41			41
42			42
43			43
44		Stmt AV WP; Page AV-1; Line 1	44
45			45
46			46
47			47
48			48
49			49
50			50
51			51
52			52
53			53
54			54

¹ Amount is based upon December 31 balances.

² The Incentive Return on Common Equity will be tracked and shown separately for each project. As a result, lines 44 through 54 will be repeated for each project.

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AV

Cost of Capital and Fair Rate of Return

Base Period & True-Up Period 12 - Months Ending December 31, 2016

(\$1,000)

Line No.	Amounts	Reference	Line No.
1			1
2			2
3			3
4			4
5			5
6			6
7			7
8			8
9			9
10			10
11			11
12			12
13			13
14			14
15			15
16			16
17			17
18			18
19			19
20			20
21			21
22			22
23			23
24			24
25			25
26			26
27			27
28			28
29			29
30			30
31			31

SAN DIEGO GAS AND ELECTRIC COMPANY

Statement AV

Cost of Capital and Fair Rate of Return

Base Period & True-Up Period 12 - Months Ending December 31, 2016

(\$1,000)

Line No.	Amounts	Reference	Line No.
1			1
2			2
3			3
4			4
5			5
6			6
7			7
8			8
9			9
10			10
11			11
12			12
13			13
14			14
15			15
16			16
17			17
18			18
19			19
20			20
21			21
22			22
23			23
24			24
25			25
26			26
27			27
28			28
29			29
30			30
31			31

¹ The Incentive Cost of Capital Rate Calculation will be tracked and shown separately for each project. As a result, lines 3 through 31 will be repeated for each project. However, this will be entered as 0% in BK-1 when there's no incentive project to show.

SAN DIEGO GAS AND ELECTRIC COMPANY
Statement AV
Cost of Capital and Fair Rate of Return
For 12-Months Ending December 31, 2016
(\$1,000)

Line No.		Amounts	Reference	Line No.
1	Incentive Return on Common Equity	<u>\$ -</u>	Note 1	1
2				2
3				3
4	Non-Incentive Equity AFUDC Component of Transmission Depreciation Expense	<u>\$ 4,857</u>	Workpaper Page AV-1A	4
5				5
6				6
7	Incentive Equity AFUDC Component of Transmission Depreciation Expense	<u>\$ -</u>	Note 1	7

¹ None of the above items apply to SDG&E's TO4 Cycle 5 filing. However, as one or more of these items apply, subject to FERC approval, approval, the applicable data field will be filled.

San Diego Gas & Electric Company
Non-Incentive Equity AFUDC Component of Transmission Depreciation Expense
For Completed Transmission Capital Projects from 2001 Through 2016
Applicable to the 2016 TO4-Cycle 5 Base Period & True-Up Period
For the 12-Month Period Ending December 31, 2016
(\$1,000)

Line No.	A Vintages of Plant	B AFUDC in Plant	C AFUDC Equity in Plant Cost	D Non-Incentive Equity AFUDC Component of Transmission Depn Exp.	Line No.
1					1
2	2001	\$ 2,152	\$ 1,501	\$ 51	2
3					3
4	2002	4,222	2,968	101	4
5					5
6	2003	3,164	2,260	75	6
7					7
8	2004	4,319	3,165	108	8
9					9
10	2005	3,277	2,382	83	10
11					11
12	2006	5,265	3,710	134	12
13					13
14	2007	8,392	6,034	163	14
15					15
16	2008	11,742	8,514	269	16
17					17
18	2009	3,939	2,887	104	18
19					19
20	2010	4,708	3,420	119	20
21					21
22	2011	4,706	3,362	114	22
23					23
24	2012	183,770	131,288	2,685	24
25					25
26	2013	9,936	7,142	227	26
27					27
28	2014	18,753	13,795	429	28
29					29
30	2015	8,102	7,049	184	30
31					31
32	2016	15,558	14,564	209	32
33					33
34					34
35	Total	\$ 292,006	\$ 214,039	\$ 5,054	35
36					36
37	Citizens Adjustment (see w/p AV-1B)			(197)	37
38					38
39	AFUDC Equity Depreciation Expense - Net of AFUDC Equity Depreciation Expense on Assets Leased to Citizens Sunrise			\$ 4,857	39
40					40

The above schedule calculates the AFUDC equity in depreciation used in Statement AV to calculate the Federal and State Income Taxes as reflected in the TO4 Formula. This equity AFUDC component of transmission depreciation expense is derived as follows:

Col. A - reflects the years that were taken into consideration to develop the table. The table begins in 2001 because all the data needed was not available until 2001 in SAP (SDG&E's general accounting system).

Col. B - reflects the total AFUDC in plant additions that went into service in each year as indicated.

Col. C - represents the AFUDC equity embedded in Col. B for each year.

Col. D - represents the annual amortization of Col. C that is embedded in SDG&E's annual transmission depreciation expense. As a result, the total of Col. D, Line 35, reflects the total equity AFUDC component of transmission depreciation expense for the 2016 base period.

San Diego Gas & Electric Company
TO4-Cycle 5 Annual Transmission Formula Filing
Citizens' Calculation of Equity AFUDC Component of Transmission Depreciation Expenses
For the 12-Month Period Ending December 31, 2016
(\$1,000)

Line No.	Description	Amount	Reference	Line No.
1	AFUDC embedded in the Lease Payment on the Border-East Line	\$ 8,358		1
2	AFUDC Equity Percentage as of July 2012	70.83%		2
3	AFUDC Equity Embedded in the Border-East Line	\$ 5,920	Line 1 x Line 2	3
4	Annual Depreciation Rate (30 year Lease)	3.33%	1 / 30 years	4
5	Annual Book Depreciation on AFUDC Equity	\$ 197	Line 3 x Line 4	5

Name of Respondent San Diego Gas & Electric Company	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (mo, da, yr) / /	Year/Period of Report end of 2016/Q4
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COMPARATIVE BALANCE SHEET (LIABILITIES AND OTHER CREDITS)

Line No.	Title of Account (a)	Ref. Page No. (b)	Current Year End of Quarter/Year Balance (c)	Prior Year End Balance 12/31 (d)
1	PROPRIETARY CAPITAL			
2	Common Stock Issued (201)	250-251	291,458,395	291,458,395
3	Preferred Stock Issued (204)	250-251	0	0
4	Capital Stock Subscribed (202, 205)		0	0
5	Stock Liability for Conversion (203, 206)		0	0
6	Premium on Capital Stock (207)		591,282,978	591,282,978
7	Other Paid-In Capital (208-211)	253	479,665,369	479,665,369
8	Installments Received on Capital Stock (212)	252	0	0
9	(Less) Discount on Capital Stock (213)	254	0	0
10	(Less) Capital Stock Expense (214)	254b	24,605,640	24,605,640
11	Retained Earnings (215, 215.1, 216)	118-119	4,310,137,617	3,892,862,778
12	Unappropriated Undistributed Subsidiary Earnings (216.1)	118-119	0	0
13	(Less) Required Capital Stock (217)	250-251	0	0
14	Noncorporate Proprietorship (Non-major only) (218)		0	0
15	Accumulated Other Comprehensive Income (219)	122(a)(b)	-7,479,065	-7,840,314
16	Total Proprietary Capital (lines 2 through 15)		5,640,459,654	5,222,823,566
17	LONG-TERM DEBT			
18	Bonds (221)	256-257	4,348,934,000	3,989,648,000
19	(Less) Required Bonds (222)	256-257	0	0
20	Advances from Associated Companies (223)	256-257	0	0
21	Other Long-Term Debt (224)	256-257	0	53,650,000
22	Unamortized Premium on Long-Term Debt (225)		0	0
23	(Less) Unamortized Discount on Long-Term Debt-Debit (226)		10,660,618	9,710,098
24	Total Long-Term Debt (lines 18 through 23)		4,338,273,382	4,033,587,902
25	OTHER NONCURRENT LIABILITIES			
26	Obligations Under Capital Leases - Noncurrent (227)		588,687,033	631,433,074
27	Accumulated Provision for Property Insurance (228.1)		0	0
28	Accumulated Provision for Injuries and Damages (228.2)		25,181,795	29,917,817
29	Accumulated Provision for Pensions and Benefits (228.3)		235,792,423	217,194,669
30	Accumulated Miscellaneous Operating Provisions (228.4)		0	0
31	Accumulated Provision for Rate Refunds (229)		0	0
32	Long-Term Portion of Derivative Instrument Liabilities		176,818,615	83,203,290
33	Long-Term Portion of Derivative Instrument Liabilities - Hedges		0	0
34	Asset Retirement Obligations (230)		828,608,319	826,441,431
35	Total Other Noncurrent Liabilities (lines 26 through 34)		1,855,088,185	1,788,190,281
36	CURRENT AND ACCRUED LIABILITIES			
37	Notes Payable (231)		0	114,260,980
38	Accounts Payable (232)		496,331,988	418,724,687
39	Notes Payable to Associated Companies (233)		0	0
40	Accounts Payable to Associated Companies (234)		43,228,051	54,652,222
41	Customer Deposits (235)		76,071,281	71,665,653
42	Taxes Accrued (236)	262-263	2,924,576	2,029,475
43	Interest Accrued (237)		44,771,962	43,773,285
44	Dividends Declared (238)		0	0
45	Matured Long-Term Debt (239)		0	0

The above circled items are referenced in Statement AV.

Name of Respondent		This Report Is:		Date of Report	Year/Period of Report	
San Diego Gas & Electric Company		(1) <input checked="" type="checkbox"/> An Original	(2) <input type="checkbox"/> A Resubmission	(Mo, Da, Yr) / /	End of 2016/Q4	
STATEMENT OF INCOME FOR THE YEAR (continued)						
Line No.	Title of Account (a)	(Ref.) Page No. (b)	TOTAL		Current 3 Months Ended Quarterly Only No 4th Quarter (e)	Prior 3 Months Ended Quarterly Only No 4th Quarter (f)
			Current Year (c)	Previous Year (d)		
27	Net Utility Operating Income (Carried forward from page 114)		693,357,997	695,450,263		
28	Other Income and Deductions					
29	Other Income					
30	Nonutility Operating Income					
31	Revenues From Merchandising, Jobbing and Contract Work (415)					
32	(Less) Costs and Exp. of Merchandising, Job. & Contract Work (416)					
33	Revenues From Nonutility Operations (417)		10,231	4,707		
34	(Less) Expenses of Nonutility Operations (417.1)		-12,707			
35	Nonoperating Rental Income (418)		33,467	71,781		
36	Equity in Earnings of Subsidiary Companies (418.1)	119				
37	Interest and Dividend Income (419)		5,785,275	25,746,782		
38	Allowance for Other Funds Used During Construction (419.1)		46,452,775	37,153,836		
39	Miscellaneous Nonoperating Income (421)		3,203,447	696,606		
40	Gain on Disposition of Property (421.1)					
41	TOTAL Other Income (Enter Total of lines 31 thru 40)		55,497,902	63,673,712		
42	Other Income Deductions					
43	Loss on Disposition of Property (421.2)					
44	Miscellaneous Amortization (425)		250,048	250,048		
45	Donations (426.1)		7,234,648	7,296,545		
46	Life Insurance (426.2)		-5,578,007	-4,967,255		
47	Penalties (426.3)		1,942	18,337		
48	Exp. for Certain Civic, Political & Related Activities (426.4)		1,916,220	1,745,671		
49	Other Deductions (426.5)		-682,248	1,691,022		
50	TOTAL Other Income Deductions (Total of lines 43 thru 49)		3,142,603	6,034,368		
51	Taxes Applic. to Other Income and Deductions					
52	Taxes Other Than Income Taxes (408.2)	262-263	647,229	634,674		
53	Income Taxes-Federal (409.2)	262-263		-8,182,199		
54	Income Taxes-Other (409.2)	262-263	230,873	-17,648,091		
55	Provision for Deferred Inc. Taxes (410.2)	234, 272-277	17,722,396	120,444,225		
56	(Less) Provision for Deferred Income Taxes-Cr. (411.2)	234, 272-277	19,449,488	98,959,713		
57	Investment Tax Credit Adj.-Net (411.5)					
58	(Less) Investment Tax Credits (420)					
59	TOTAL Taxes on Other Income and Deductions (Total of lines 52-58)		-848,990	-3,711,104		
60	Net Other Income and Deductions (Total of lines 41, 50, 59)		53,204,289	61,350,448		
61	Interest Charges					
62	Interest on Long-Term Debt (427)		176,236,940	188,053,798		
63	Amort. of Debt Disc. and Expense (428)		3,332,177	3,313,278		
64	Amortization of Loss on Required Debt (428.1)		3,264,017	2,807,389		
65	(Less) Amort. of Premium on Debt-Credit (429)					
66	(Less) Amortization of Gain on Required Debt-Credit (429.1)					
67	Interest on Debt to Assoc. Companies (430)		8,883			
68	Other Interest Expense (431)		9,283,327	7,109,923		
69	(Less) Allowance for Borrowed Funds Used During Construction-Cr. (432)		15,132,370	13,701,644		
70	Net Interest Charges (Total of lines 62 thru 69)		176,992,974	187,582,744		
71	Income Before Extraordinary Items (Total of lines 27, 60 and 70)		569,569,312	569,217,967		
72	Extraordinary Items					
73	Extraordinary Income (434)					
74	(Less) Extraordinary Deductions (435)			-26,107,334		
75	Net Extraordinary Items (Total of line 73 less line 74)			26,107,334		
76	Income Taxes-Federal and Other (409.3)	262-263		10,637,694		
77	Extraordinary Items After Taxes (line 75 less line 76)			15,469,640		
78	Net Income (Total of line 71 and 77)		569,569,312	584,687,607		

Name of Respondent San Diego Gas & Electric Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2016/Q4
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STATEMENT OF RETAINED EARNINGS

1. Do not report Lines 49-53 on the quarterly version.
2. Report all changes in appropriated retained earnings, unappropriated retained earnings, year to date, and unappropriated undistributed subsidiary earnings for the year.
3. Each credit and debit during the year should be identified as to the retained earnings account in which recorded (Accounts 433, 436 - 439 inclusive). Show the contra primary account affected in column (b)
4. State the purpose and amount of each reservation or appropriation of retained earnings.
5. List first account 439, Adjustments to Retained Earnings, reflecting adjustments to the opening balance of retained earnings. Follow by credit, then debit items in that order.
6. Show dividends for each class and series of capital stock.
7. Show separately the State and Federal income tax effect of items shown in account 439, Adjustments to Retained Earnings.
8. Explain in a footnote the basis for determining the amount reserved or appropriated. If such reservation or appropriation is to be recurrent, state the number and annual amounts to be reserved or appropriated as well as the totals eventually to be accumulated.
9. If any notes appearing in the report to stockholders are applicable to this statement, include them on pages 122-123.

Line No.	Item (a)	Contra Primary Account Affected (b)	Current Quarter/Year Year to Date Balance (c)	Previous Quarter/Year Year to Date Balance (d)
	UNAPPROPRIATED RETAINED EARNINGS (Account 216)			
1	Balance-Beginning of Period		3,892,862,778	3,608,175,171
2	Changes			
3	Adjustments to Retained Earnings (Account 439)			
4				
5	ASU 2016-09 Stock Comp Adjustment		22,705,527	
6				
7				
8				
9	TOTAL Credits to Retained Earnings (Acct. 439)		22,705,527	
10				
11				
12				
13				
14				
15	TOTAL Debits to Retained Earnings (Acct. 439)			
16	Balance Transferred from Income (Account 433 less Account 418.1)		569,569,312	584,687,607
17	Appropriations of Retained Earnings (Acct. 436)			
18				
19				
20				
21				
22	TOTAL Appropriations of Retained Earnings (Acct. 436)			
23	Dividends Declared-Preferred Stock (Account 437)			
24				
25				
26				
27				
28				
29	TOTAL Dividends Declared-Preferred Stock (Acct. 437)		0	
30	Dividends Declared-Common Stock (Account 438)			
31			-175,000,000	(300,000,000)
32				
33				
34				
35				
36	TOTAL Dividends Declared-Common Stock (Acct. 438)		-175,000,000	(300,000,000)
37	Transfers from Acct 216.1, Unapprop. Undistrib. Subsidiary Earnings			
38	Balance - End of Period (Total 1,9,15,16,22,29,36,37)		4,310,137,617	3,892,862,778
	APPROPRIATED RETAINED EARNINGS (Account 215)			

San Diego Gas & Electric Company

High Voltage- Low Voltage Summary of Plant Allocation Study

Docket No. ER18-____ - ____

SAN DIEGO GAS & ELECTRIC COMPANY
SUMMARY OF HV - LV TRANSMISSION PLANT ALLOCATION STUDY
TRANSMISSION PLANT BALANCE AS OF DECEMBER 31, 2016
 (\$1,000)

Line No.		Column A		Column B		Column C	
		\$'s in TRANSMISSION Total	VOLTAGE < 200 kv	VOLTAGE > 200 kv	Line No.		
1	IMPERIAL VALLEY SUBSTATION 500>230KV	\$ 162,792	\$ 4,800	\$ 157,992	1		
2	SUNCREST SUBSTATION 500>230KV	208,010	-	208,010	2		
3	SAN ONOFRE 230KV SUBSTATION	20,505	-	20,505	3		
4	MIGUEL 500/230/138/69KV SUBSTATION	113,782	9,159	104,623	4		
5	SYCAMORE CANYON 230/69KV SUBSTATION	74,007	30,780	43,226	5		
6	ESCONDIDO 230/138/69/12KV SUBSTATION	59,567	27,453	32,114	6		
7	OLD TOWN 230KV SUBSTATION	6,777	62	6,715	7		
8	OLD TOWN 69/12/4KV SUBSTATION	10,498	10,498	-	8		
9	MISSION 230KV SUBSTATION	12,975	141	12,834	9		
10	MISSION 138/69/12KV SUBSTATION	20,676	20,676	-	10		
11	TALEGA 230/138KV SUBSTATION (230 PORTION ONLY)	3,141	-	3,141	11		
12	TALEGA 230/138 KV SUBSTATION	61,620	56,182	5,438	12		
13	PENASQUITOS 230KV SUBSTATION	40,313	-	40,313	13		
14	PENASQUITOS 138/69KV SUBSTATION	24,028	24,028	-	14		
15	ENCINA 230KV SUBSTATION	38,715	-	38,715	15		
16	ENCINA PP 138/12KV SUBSTATION	7,799	7,799	-	16		
17	NO GILA 500KV SUBSTATION	10,336	-	10,336	17		
18	PALO VERDE 500KV SUBSTATION	5,326	-	5,326	18		
19	SAN LUIS REY 230/69/12KV SUBSTATION	49,199	15,298	33,901	19		
20	PALOMAR ENERGY 230KV SWITCHYARD	10,572	-	10,572	20		
21	NV-MERCHANT 230 KV SWITCHYARD	3,604	-	3,604	21		
22	PALA 230KV SUBSTATION	457	-	457	22		
23	OTAY MESA 230KV SWITCHYARD	14,725	-	14,725	23		
24	SILVERGATE 230/69KV SUBSTATION	74,955	36,580	38,375	24		
25	DESERT STAR ENERGY CENTER	14,080	-	14,080	25		
26	LV SUBSTATIONS	351,390	351,390	-	26		
27					27		
28	TOTAL SUBSTATIONS	\$ 1,399,848	\$ 594,845	\$ 805,003	28		
29					29		
30	TRANSMISSION TOWERS and LAND	2,568,610	761,055	1,807,555	30		
31					31		
32	TRANSMISSION TOWERS and LAND NON-UNITIZED	1,020,806	348,778	672,028	32		
33					33		
34	TOTAL TRANSMISSION PLANT	(a) \$ 4,989,264	\$ 1,704,678	\$ 3,284,586	34		
35					35		
36	PERCENTAGES	100.00%	34.17%	65.83%	36		
37					37		
38					38		

(a) Ties to Statement AD Workpapers, AD-7, Col. 2, Line 13, that is, Line 34 Col. A shown above ties to the ratemaking plant in service.

San Diego Gas & Electric Company

TO4 – Cycle 5

Summary of Net Weighted Forecast Plant Additions

Docket No. ER18-____-____

San Diego Gas & Electric Company
Summary of HV-LV Splits for Forecast Plant Additions
24-Month Forecast Period (January 1, 2017 - December 31, 2018)
(\$1,000)

Line No.	Line No.	Description	(a) Gross HV	(b) Gross LV	(c) Unweighted Total	(d) Net Wtd-HV	(e) Net Wtd-LV	(f) Weighted Total	Reference										
										1	2	3	4	5	6	7	8	9	10
		Non-Incentive Projects:																	
1	2	Forecast Period - Transmission Plant Additions	\$ 660,078	\$ 606,085	\$ 1,266,163	\$ 480,051	\$ 346,572	\$ 826,623	See Note 1 Below										
3	4	Forecast Period - Transmission Related General; Common; and Electric Misc. Intangible Plant	38,411	20,929	59,340	26,564	14,474	41,038	See Note 2 Below										
5	6	Sub-Total Non-Incentive Projects Forecast Plant Additions	\$ 698,489	\$ 627,014	\$ 1,325,503	\$ 506,615	\$ 361,046	\$ 867,661	Sum Lines 1 thru 3										
7	8	Incentive Projects:																	
8	9	Forecast Period - Incentive Transmission Plant Additions	-	-	-	-	-	-	See Note 3 Below										
10	11	Forecast Period - Incentive Transmission CWIP for the period after the base period and before the effective period	-	-	-	-	-	-	See Note 4 Below										
12	13	Forecast Period - Incentive Transmission CWIP for the period during the rate effective period	-	-	-	-	-	-	See Note 5 Below										
14	15	Sub-Total Incentive Projects Forecast Plant Additions	-	-	-	-	-	-	Sum Lines 8 thru 12										
16	17	Total	\$ 698,489	\$ 627,014	\$ 1,325,503	\$ 506,615	\$ 361,046	\$ 867,661	Sum Lines 5; 14										
18	19	HV-LV Ratio (Weighted Transmission Forecast Plant Additions)				58.39%	41.61%	100.00%	HV = Line 16; Col (d) / Line 16; Col (f) LV = Line 16; Col (e) / Line 16; Col (f)										

- 1 See Summary of Weighted Transmission Plant Additions Workpapers; Page 2; Line 25
- 2 See Summary of Weighted Transmission Related General; Common; & Electric Misc. Intangible Plant Additions Workpapers; Page 3; Line 25
- 3 See Summary of Weighted Incentive Transmission Plant Additions Workpapers; Page 4; Line 25
- 4 See Summary of Weighted Incentive CWIP for the Period After the Base Period and Before the Effective Period Workpapers; Page 5; Line 25
- 5 See Summary of Weighted Incentive CWIP for the Period During the Rate Effective Period Workpapers; Page 6; Line 25

San Diego Gas & Electric Company
Derivation of Weighted Plant Additions
24-Month Forecast Period (January 1, 2017 - December 31, 2018)
Summary of Weighted Transmission Plant Additions
(\$1,000)

Line No.	Date	Gross Forecast Plant Additions ¹		Retirements			Net Forecast Plant Additions			Weighted Net Forecast Plant Additions			Weighting Factor	Line No.																					
		HV	LV	Total	HV	LV	Total	HV	LV	Total	HV	LV			Total																				
1	Jan-17	\$ 10,947	\$ 12,390	\$ 23,337	\$ 29	\$ 33	\$ 62	\$ 10,918	\$ 12,357	\$ 23,275	\$ 10,918	\$ 12,357	\$ 23,275	1																					
2	Feb-17	1,604	15,711	17,315	4	42	46	1,600	15,669	17,269	1,600	15,669	17,269	2																					
3	Mar-17	729	670	1,399	2	2	4	727	668	1,395	727	668	1,395	3																					
4	Apr-17	589	2,372	2,961	2	6	8	587	2,366	2,953	587	2,366	2,953	4																					
5	May-17	107,036	7,605	114,641	288	20	308	106,748	7,585	114,333	106,748	7,585	114,333	5																					
6	Jun-17	437	401	838	1	2	2	436	400	836	436	400	836	6																					
7	Jul-17	-	81,175	81,175	-	218	218	-	80,957	80,957	-	80,957	80,957	7																					
8	Aug-17	-	31,698	31,698	-	85	85	-	31,613	31,613	-	31,613	31,613	8																					
9	Sep-17	11,638	10,886	22,524	31	29	60	11,607	10,857	22,464	11,607	10,857	22,464	9																					
10	Oct-17	-	43,220	43,220	-	116	116	-	43,104	43,104	-	43,104	43,104	10																					
11	Nov-17	-	4,430	4,430	-	12	12	-	4,418	4,418	-	4,418	4,418	11																					
12	Dec-17	178,895	22,635	201,530	481	61	542	178,414	22,574	200,988	178,414	22,574	200,988	12																					
13	Jan-18	-	-	-	-	-	-	-	-	-	-	-	-	13																					
14	Feb-18	-	-	-	-	-	-	-	-	-	-	-	-	14																					
15	Mar-18	9,367	33,934	43,301	25	91	116	9,342	33,843	43,185	9,342	33,843	43,185	15																					
16	Apr-18	-	584	584	-	2	2	-	582	582	-	582	582	16																					
17	May-18	-	-	-	-	-	-	-	-	-	-	-	-	17																					
18	Jun-18	207,870	31,213	239,083	559	84	643	207,311	31,129	238,440	207,311	31,129	238,440	18																					
19	Jul-18	-	24,681	24,681	-	66	66	-	24,615	24,615	-	24,615	24,615	19																					
20	Aug-18	-	14,959	14,959	-	40	40	-	14,919	14,919	-	14,919	14,919	20																					
21	Sep-18	117,970	8,075	126,045	317	22	339	117,653	8,053	125,706	39,218	2,684	41,902	21																					
22	Oct-18	-	126,074	126,074	-	339	339	-	125,735	125,735	-	125,735	125,735	22																					
23	Nov-18	-	41,865	41,865	-	113	113	-	41,752	41,752	-	41,752	41,752	23																					
24	Dec-18	12,997	91,506	104,503	35	246	281	12,962	91,260	104,222	1,080	7,605	8,685	24																					
25	Total	\$ 660,078	\$ 606,085	\$ 1,266,163	\$ 1,774	\$ 1,628	\$ 3,402	\$ 658,304	\$ 604,457	\$ 1,262,761	\$ 480,051	\$ 346,572	\$ 826,623	25																					
26		52.13%	47.87%	100.00%	52.15%	47.85%	100.00%	52.13%	47.87%	100.00%	58.07%	41.93%	100.00%	26																					
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Calculated Retirement Rate Check: **0.269%**
 Retirement Rate (Formula): **0.269%**
 Retirement Rate (Manual Input): **0.269%**

¹ The HV-LV Gross Forecast Plant Additions from January 2017 through December 2018 comes from the Forecast Transmission Capital Additions Work Papers.

San Diego Gas & Electric Company
Derivation of Weighted Plant Additions
24-Month Forecast Period (January 1, 2017 - December 31, 2018)
Summary of Weighted Transmission Related Common, General and Electric Miscellaneous Intangible Plant Additions
(\$1,000)

Line No.	Date	Gross Forecast Plant Additions ¹			Retirements			Net Forecast Plant Additions			Weighted Net Forecast Plant Additions			Line No.	
		HV	LV	Total	HV	LV	Total	HV	LV	Total	Weighting Factor	HV	LV		Total
1	Jan-17	\$ 635	\$ 346	\$ 981	\$ -	\$ 1	\$ 3	\$ 633	\$ 345	\$ 978	1.00000	\$ 633	\$ 345	\$ 978	1
2	Feb-17	855	466	1,321	855	1	3	853	465	1,318	1.00000	853	465	1,318	2
3	Mar-17	2,990	1,629	4,619	4,619	8	12	2,982	1,625	4,607	1.00000	2,982	1,625	4,607	3
4	Apr-17	708	386	1,094	1,094	2	3	706	385	1,091	1.00000	706	385	1,091	4
5	May-17	1,314	716	2,030	2,030	4	6	1,310	714	2,024	1.00000	1,310	714	2,024	5
6	Jun-17	484	264	748	748	1	2	483	263	746	1.00000	483	263	746	6
7	Jul-17	2,771	1,510	4,281	4,281	7	11	2,764	1,506	4,270	1.00000	2,764	1,506	4,270	7
8	Aug-17	1,887	1,028	2,915	2,915	5	8	1,882	1,025	2,907	1.00000	1,882	1,025	2,907	8
9	Sep-17	1,040	567	1,607	1,607	3	5	1,037	565	1,602	1.00000	1,037	565	1,602	9
10	Oct-17	347	189	536	536	1	2	346	188	534	1.00000	346	188	534	10
11	Nov-17	571	311	882	882	2	3	569	310	879	1.00000	569	310	879	11
12	Dec-17	4,531	2,467	6,998	6,998	11	17	4,520	2,461	6,981	1.00000	4,520	2,461	6,981	12
13	Jan-18	216	118	334	334	1	1	215	118	333	1.00000	215	118	333	13
14	Feb-18	541	295	836	836	1	2	540	294	834	0.91667	495	270	765	14
15	Mar-18	830	452	1,282	1,282	2	3	828	451	1,279	0.83333	690	376	1,066	15
16	Apr-18	2,929	1,596	4,525	4,525	8	12	2,921	1,592	4,513	0.75000	2,191	1,194	3,385	16
17	May-18	522	284	806	806	1	2	521	283	804	0.66667	347	189	536	17
18	Jun-18	2,554	1,392	3,946	3,946	7	11	2,547	1,388	3,935	0.58333	1,486	810	2,296	18
19	Jul-18	1,737	947	2,684	2,684	5	8	1,732	944	2,676	0.50000	866	472	1,338	19
20	Aug-18	53	29	82	82	-	-	53	29	82	0.41667	22	12	34	20
21	Sep-18	5,038	2,745	7,783	7,783	14	21	5,024	2,738	7,762	0.33333	1,675	913	2,588	21
22	Oct-18	2	1	3	3	-	-	2	1	3	0.25000	1	-	1	22
23	Nov-18	53	29	82	82	-	-	53	29	82	0.16667	9	5	14	23
24	Dec-18	5,803	3,162	8,965	8,965	16	25	5,787	3,154	8,941	0.08333	482	263	745	24
25	Total	\$ 38,411	\$ 20,929	\$ 59,340	\$ 59,340	\$ 103	\$ 160	\$ 38,308	\$ 20,873	\$ 59,181		\$ 26,564	\$ 14,474	\$ 41,038	25
26		64.73%	35.27%	100.00%	100.00%	64.58%	35.42%	64.73%	35.27%	100.00%		64.73%	35.27%	100.00%	26
27															27
28															28
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34															34
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36															36
37															37
38															38
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40															40
41															41

Calculated Retirement Rate Check:	0.269%
Retirement Rate (Formula):	0.269%
Retirement Rate (Manual Input):	0.269%

Summary of Transmission Related Common, General, & Electric Intangible Plant Additions:					
	HV	LV	Unweighted	Wtd-HV	Wtd-LV
	\$ 38,308	\$ 20,873	\$ 59,181	\$ 26,564	\$ 14,474
Total	\$ 38,308	\$ 20,873	\$ 59,181	\$ 26,564	\$ 14,474
Total	64.73%	35.27%	100.00%	64.73%	35.27%

¹ The HV-LV Gross Forecast Plant Additions information from January 2017 through December 2018 comes from the Summary of Monthly Common, General, and Electric Intangible Forecast Plant Additions Work Papers, Pages 1 of 6 through Pages 5 of 6, lines 58 and 59.

San Diego Gas & Electric Company
 Derivation of Weighted Plant Additions
 24-Month Forecast Period (January 1, 2017 - December 31, 2018)
 Summary of Weighted Incentive Transmission Plant Additions
 (\$1,000)

Line No.	Date	Gross Forecast Plant Additions			Retirements			Net Forecast Plant Additions			Weighting Factor	Weighted Net Forecast Plant Additions			Line No.
		HV	LV	Total	HV	LV	Total	HV	LV	Total		HV	LV	Total	
1	Jan-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	1
2	Feb-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	2
3	Mar-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	3
4	Apr-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	4
5	May-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	5
6	Jun-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	6
7	Jul-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	7
8	Aug-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	8
9	Sep-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	9
10	Oct-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	10
11	Nov-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	11
12	Dec-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	12
13	Jan-18	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	13
14	Feb-18	-	-	-	-	-	-	-	-	-	0.91667	-	-	-	14
15	Mar-18	-	-	-	-	-	-	-	-	-	0.83333	-	-	-	15
16	Apr-18	-	-	-	-	-	-	-	-	-	0.75000	-	-	-	16
17	May-18	-	-	-	-	-	-	-	-	-	0.66667	-	-	-	17
18	Jun-18	-	-	-	-	-	-	-	-	-	0.58333	-	-	-	18
19	Jul-18	-	-	-	-	-	-	-	-	-	0.50000	-	-	-	19
20	Aug-18	-	-	-	-	-	-	-	-	-	0.41667	-	-	-	20
21	Sep-18	-	-	-	-	-	-	-	-	-	0.33333	-	-	-	21
22	Oct-18	-	-	-	-	-	-	-	-	-	0.25000	-	-	-	22
23	Nov-18	-	-	-	-	-	-	-	-	-	0.16667	-	-	-	23
24	Dec-18	-	-	-	-	-	-	-	-	-	0.08333	-	-	-	24
25	Total	\$	\$	\$	\$	\$	\$	\$	\$	\$		\$	\$	\$	
26		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	
27															
28															
29															
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38															
39															
40															
41															

Calculated Retirement Rate Check:		#DIV/0!
Retirement Rate (Formula):		0.269%
Retirement Rate (Manual Input):		0.269%

Summary of Transmission Plant Additions:				
Net - Electric Transmission Plant	\$	-	\$	-
Total	\$	-	\$	-
Total	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Wtd-HV	\$	-	Wtd-LV	\$	-	Wtd-Total	\$	-
	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!

San Diego Gas & Electric Company
 Derivation of Weighted Plant Additions
 24-Month Forecast Period (January 1, 2017 - December 31, 2018)
 Summary of Weighted Incentive Transmission CWIP
 (\$1,000)

Line No.	Date	Gross Forecast Plant Additions			Retirements			Net Forecast Plant Additions			Weighting Factor	Weighted Net Forecast Plant Additions			Line No.
		HV	LV	Total	HV	LV	Total	HV	LV	Total		HV	LV	Total	
1	Jan-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	1
2	Feb-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	2
3	Mar-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	3
4	Apr-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	4
5	May-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	5
6	Jun-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	6
7	Jul-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	7
8	Aug-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	8
9	Sep-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	9
10	Oct-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	10
11	Nov-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	11
12	Dec-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	12
13	Jan-18	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	13
14	Feb-18	-	-	-	-	-	-	-	-	-	0.91667	-	-	-	14
15	Mar-18	-	-	-	-	-	-	-	-	-	0.83333	-	-	-	15
16	Apr-18	-	-	-	-	-	-	-	-	-	0.75000	-	-	-	16
17	May-18	-	-	-	-	-	-	-	-	-	0.66667	-	-	-	17
18	Jun-18	-	-	-	-	-	-	-	-	-	0.58333	-	-	-	18
19	Jul-18	-	-	-	-	-	-	-	-	-	0.50000	-	-	-	19
20	Aug-18	-	-	-	-	-	-	-	-	-	0.41667	-	-	-	20
21	Sep-18	-	-	-	-	-	-	-	-	-	0.33333	-	-	-	21
22	Oct-18	-	-	-	-	-	-	-	-	-	0.25000	-	-	-	22
23	Nov-18	-	-	-	-	-	-	-	-	-	0.16667	-	-	-	23
24	Dec-18	-	-	-	-	-	-	-	-	-	0.08333	-	-	-	24
25	Total	\$	\$	\$	\$	\$	\$	\$	\$	\$		\$	\$	\$	25
26		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	26
27															27
28															28
29															29
30															30
31															31
32															32
33															33
34															34
35															35
36															36
37															37
38															38
39															39
40															40
41															41

Calculated Retirement Rate Check:		#DIV/0!
Retirement Rate (Formula):		0.269%
Retirement Rate (Manual Input):		0.269%

Summary of Transmission Plant Additions:			
Net - Electric Transmission Plant	\$	-	\$
Total	\$	-	\$
Total	#DIV/0!	#DIV/0!	#DIV/0!

Wtd-HV	\$	-	\$
Wtd-LV	\$	-	\$
Wtd-Total	\$	-	\$
	#DIV/0!	#DIV/0!	#DIV/0!

San Diego Gas & Electric Company
 Derivation of Weighted Plant Additions
 24-Month Forecast Period (January 1, 2017 - December 31, 2018)
 Summary of Weighted Incentive Transmission CWIP
 (\$1,000)

Line No.	Date	Gross Forecast Plant Additions			Retirements			Net Forecast Plant Additions			Weighting Factor	Weighted Net Forecast Plant Additions			Line No.
		HV	LV	Total	HV	LV	Total	HV	LV	Total		HV	LV	Total	
1	Jan-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	1
2	Feb-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	2
3	Mar-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	3
4	Apr-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	4
5	May-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	5
6	Jun-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	6
7	Jul-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	7
8	Aug-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	8
9	Sep-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	9
10	Oct-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	10
11	Nov-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	11
12	Dec-17	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	12
13	Jan-18	-	-	-	-	-	-	-	-	-	1.00000	-	-	-	13
14	Feb-18	-	-	-	-	-	-	-	-	-	0.91667	-	-	-	14
15	Mar-18	-	-	-	-	-	-	-	-	-	0.83333	-	-	-	15
16	Apr-18	-	-	-	-	-	-	-	-	-	0.75000	-	-	-	16
17	May-18	-	-	-	-	-	-	-	-	-	0.66667	-	-	-	17
18	Jun-18	-	-	-	-	-	-	-	-	-	0.58333	-	-	-	18
19	Jul-18	-	-	-	-	-	-	-	-	-	0.50000	-	-	-	19
20	Aug-18	-	-	-	-	-	-	-	-	-	0.41667	-	-	-	20
21	Sep-18	-	-	-	-	-	-	-	-	-	0.33333	-	-	-	21
22	Oct-18	-	-	-	-	-	-	-	-	-	0.25000	-	-	-	22
23	Nov-18	-	-	-	-	-	-	-	-	-	0.16667	-	-	-	23
24	Dec-18	-	-	-	-	-	-	-	-	-	0.08333	-	-	-	24
25	Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	25

Calculated Retirement Rate Check: **#DIV/0!**

Retirement Rate (Formula): **0.269%**

Retirement Rate (Manual Input): **0.269%**

Summary of Transmission Plant Additions:				
	HV	LV	Unweighted	
Net - Electric Transmission Plant	\$ -	\$ -	\$ -	
Total	\$ -	\$ -	\$ -	
Total	#DIV/0!	#DIV/0!	#DIV/0!	

Weighted Net Forecast Plant Additions				
	HV	LV	Wtd-LV	Wtd-Total
	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -
	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

San Diego Gas & Electric Company

TO4 – Cycle 5

Forecast of Transmission Capital Additions Workpapers

Docket No. ER18-___ - ___

SAN DIEGO GAS & ELECTRIC COMPANY
FORECAST OF TRANSMISSION CAPITAL ADDITIONS- TO4 CYCLE 5
\$ In Thousands (000's)

Line No.	Project Name	Voltage	Budget Code	In-Service Dates	2017 Plant Additions						Line No.
					Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	
BLANKET BUDGET PROJECTS											
1	Electric Transmission Line Reliability Projects		100	Ongoing/Multiple ISDs	10,346	3,076	1,399	384	1,033	838	1
2	Transmission Substation Reliability Projects		103	Ongoing/Multiple ISDs							2
3	Renewal of Electric Transmission Line Easements		104	Ongoing/Multiple ISDs	4,125						3
4	Electric Transmission Tools & Equipment		106	Ongoing/Multiple ISDs							4
5	Electric Transmission Infrastructure Improvements		1145	Ongoing/Multiple ISDs	5,489			617			5
6	Electric Transmission System Automation		3171	Ongoing/Multiple ISDs							6
7	Emergency & Spare Equipment		6254	Ongoing/Multiple ISDs							7
8	Fiber Optic for Relay Protection & Telecommunication		7144	Ongoing/Multiple ISDs				2	8,010	460	8
9	Synchronized Phasor Measurement		10138	Ongoing/Multiple ISDs							9
10	Aerial Marking for Safety		12159	Ongoing/Multiple ISDs	142			127			10
11	Condition-Based Maintenance & CBM Gas Circuit Breaker Monitoring		9144/13139	Ongoing/Multiple ISDs	212				1,319		11
12	Various Substations Security Upgrades (CAST)		15125	Ongoing/Multiple ISDs							12
13	Substation Security Installations		8162/16126	Ongoing/Multiple ISDs	686						13
14											14
15											15
16											16
TRANSMISSION LINE PROJECTS											
17	TL664 Wood to Steel	69KV	11133	Jan-17, Dec-17	2,199						17
18	CAISO/CPUC TL13821 and TL13828 Fanita Junction Enhancement	138KV	9166	Feb-17		10,552					18
19	CAISO/CPUC TL628 Direct Buried Cable Replacement	69KV	14133	Feb-17		3,687					19
20	CAISO/CPUC CNF Project (TL625B, TL629E, TL6931, TL625D, TL629A, TL629D)	69KV	8165	May-17, Jul-17, Oct-17, Q4 2018						964	20
21	CAISO/CPUC TL600 Reliability Pole Replacements	69KV	12156	Sep-17							21
22	Utility Mid-Coast Trolley Extension Project	69KV	15258	Sep-17, Jun-18							22
23	Utility TL697 San Luis Rev to Oceanside (Camp Pendleton)	69KV	10147	Mar-18							23
24	CAISO/CPUC TL694 Wood to Steel	69KV	12149	Jun-18							24
25	CAISO/CPUC SX-PQ 230KV Line	230KV	13128	Jun-18							25
26	CAISO/CPUC TL698 Wood to Steel	69KV	14140	Jun-18							26
27	CAISO/CPUC TL690A Pendleton South Wood to Steel	69KV	16132	Jun-18							27
28	CAISO/CPUC TL676 Mission-Mesa Heights Reconnector	69KV	9153	Jul-18							28
29	CAISO/CPUC TL6906 Mesa Rim Loop-In	69KV	17130	Jul-18							29
30	CAISO/CPUC TL663 Mission-Kearny Reconnector	69KV	11126	Aug-18							30
31	CAISO/CPUC TL649 Wood to Steel	69KV	9137	Nov-18							31
32	CAISO/CPUC TL691 Avocado to Camp Pendleton	69KV	10144	Dec-18							32
33	CAISO/CPUC TL695/6971 Talega to Cristinitos Japanese Mesa (Camp Pendleton)	69KV	10146	Dec-18							33
34	CAISO/CPUC TL6912 San Luis Rev to Camp Pendleton	69KV	10149	Dec-18							34
35	Utility TL13835 Wood to Steel	69KV	14138	Dec-18							35
36											36
SUBSTATION PROJECTS											
37	Los Coches Substation Rebuild	138/69KV	10135	Jan-17, Oct-17	138						37
38	CAISO/CPUC Imperial Valley Flow Control Device (Phase Shifters)	500/230KV	14127	May-17							38
39	CAISO/CPUC Miguel 500KV Voltage Support (Synchronous Condensers)	500KV	14131	May-17, Sep-17					48,473		39
40	CAISO/CPUC Rebuild Pt Loma Substation	69KV	1269	Aug-17					52,921		40
41	Utility Salt Creek Substation	69KV	2258	Aug-17							41
42	CAISO/CPUC Warners Substation 69KV Control & Protection Replacement	69KV	16130	Aug-17							42
43	Utility Vine 69/12KV Substation	69KV	13243	Oct-17							43
44	CAISO/CPUC Descanso Substation 69KV Control & Protection Replacement	69KV	16131	Oct-17							44
45	Utility										45

SAN DIEGO GAS & ELECTRIC COMPANY
FORECAST OF TRANSMISSION CAPITAL ADDITIONS- T04 CYCLE 5
\$ in Thousands (000's)

Line No.	Project Name	Budget Code	2017 Plant Additions					2018 Plant Additions					Line No.			
			Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18		May-18	Jun-18	
BLANKET BUDGET PROJECTS																
1	Electric Transmission Line Reliability Projects	100			6,716						5,128				6,099	1
2	Transmission Substation Reliability Projects	103			576						308				240	2
3	Renewal of Electric Transmission Line Easements	104			249						249				3,750	3
4	Electric Transmission Tools & Equipment	106			90						94				96	4
5	Electric Transmission Infrastructure Improvements	1145									6,261					5
6	Electric Transmission System Automation	3171									1,342					6
7	Emergency & Spare Equipment	6254									4,887					7
8	Fiber Optic for Relay Protection & Telecommunication	7144									4,736					8
9	Synchronized Phasor Measurement	10138			485						565				700	9
10	Aerial Marking for Safety	12159									174				38	10
11	Condition-Based Maintenance & CBM Gas Circuit Breaker Monitoring	9144/13139									174				38	11
12	Various Substations Security Upgrades (CAST)	15125			4,605						3,449				3,965	12
13	Substation Security Installations	8162/16126			500						443				230	13
14																14
15																15
TRANSMISSION LINE PROJECTS																
16	TL664 Wood to Steel	11133														16
17	TL13821 and TL13828 Fanita Junction Enhancement	9166									3,349					17
18	TL628 Direct Buried Cable Replacement	14133														18
19	GNF Project (TL629B, TL629E, TL6931, TL629D, TL682, TL629D)	8165	81,175			19,269										19
20	TL600 Reliability Pole Replacements	12156			942											20
21	Mid-Coast Trolley Extension Project	15258			2,753											21
22	TL697 San Luis Rey to Oceanside (Camp Pendleton)	10147													827	22
23	TL694 Wood to Steel	12149														23
24	CAISO/CPUC SX-PQ 230KV Line	13128													6,011	24
25	TL698 Wood to Steel	14140													190,161	25
26	TL690A Pendleton South Wood to Steel	16132													409	26
27	TL676 Mission-Mesa Heights Reconductor	9153													7,763	27
28	TL6906 Mesa Rim Loop-in	17130														28
29	TL663 Mission-Kearny Reconductor	11126														29
30	TL649 Wood to Steel	9137														30
31	TL691 Avocado to Camp Pendleton	10144														31
32	TL695/6971 Talega to Cristitanitos Japanese Mesa (Camp Pendleton)	10146														32
33	TL6912 San Luis Rey to Camp Pendleton	10149														33
34	TL13835 Wood to Steel	14138														34
35																35
36																36
SUBSTATION PROJECTS																
37	Los Cocheros Substation Rebuild	10135							11,595							37
38	Imperial Valley Flow Control Device (Phase Shifters)	14127														38
39	Miguel 500KV Voltage Support (Synchronous Condensers)	14131			4,655											39
40	Rebuild Pt Loma Substation	1269	1,902													40
41	Salt Creek Substation	2258	25,885													41
42	Warners Substation 69KV Control & Protection Replacement	16130	3,911													42
43	Vine 69/12KV Substation	13243									8,831					43
44	Descanso Substation 69KV Control & Protection Replacement	16131							3,525							44
45																45

SAN DIEGO GAS & ELECTRIC COMPANY
FORECAST OF TRANSMISSION CAPITAL ADDITIONS- TO4 CYCLE 5
\$ In Thousands (000's)

Line No.	Project Name	Budget Code	2018 Plant Additions					Total Plant Additions	High Voltage 200KV+	Low Voltage	Line No.
			Jul-18	Aug-18	Sep-18	Oct-18	Nov-18				
BLANKET BUDGET PROJECTS											
1	Utility	100			6,100			6,102 \$	52.13%	47.87%	1
2	Utility	103			540			477 \$	52.13%	47.87%	2
3	Utility	104			3,750			3,750 \$	52.13%	47.87%	3
4	Utility	106			90			94 \$	52.13%	47.87%	4
5	Utility	1145						2,700 \$	52.13%	47.87%	5
6	Utility	3171						1,200 \$	52.13%	47.87%	6
7	Utility	6254						160 \$	52.13%	47.87%	7
8	Utility	7144						2,800 \$	52.13%	47.87%	8
9	Utility	10138			750			810 \$	52.13%	47.87%	9
10	Utility	12159						3,200 \$	52.13%	47.87%	10
11	Utility	15125			38			38 \$	52.13%	47.87%	11
12	Utility	8162/16126			5,200			3,400 \$	52.13%	47.87%	12
13	Utility				400			200 \$	52.13%	47.87%	13
14	Utility										14
15	Utility										15
16	Utility										16
TRANSMISSION LINE PROJECTS											
17	Utility	11133						\$ 5,548	0.00%	100.00%	17
18	CAISO/CPUC	9166						\$ 10,552	0.00%	100.00%	18
19	CAISO/CPUC	14133						\$ 3,687	0.00%	100.00%	19
20	CAISO/CPUC	8165			126,074			13,140 \$	0.00%	100.00%	20
21	CAISO/CPUC	12156						\$ 942	0.00%	100.00%	21
22	Utility	15258						\$ 3,580	0.00%	100.00%	22
23	Utility	10147						\$ 7,685	0.00%	100.00%	23
24	CAISO/CPUC	12149						\$ 6,011	0.00%	100.00%	24
25	CAISO/CPUC	13128						\$ 190,161	100.00%	0.00%	25
26	CAISO/CPUC	14140						\$ 409	0.00%	100.00%	26
27	CAISO/CPUC	16132						\$ 7,763	0.00%	100.00%	27
28	CAISO/CPUC	9153			14,704			\$ 14,704	0.00%	100.00%	28
29	CAISO/CPUC	17130			9,977			\$ 9,977	0.00%	100.00%	29
30	CAISO/CPUC	11126						\$ 14,959	0.00%	100.00%	30
31	CAISO/CPUC	9137						\$ 17,529	0.00%	100.00%	31
32	CAISO/CPUC	10144						\$ 22,466	0.00%	100.00%	32
33	CAISO/CPUC	10146						\$ 12,844	0.00%	100.00%	33
34	CAISO/CPUC	10149						\$ 13,676	0.00%	100.00%	34
35	Utility	14138						\$ 3,331	0.00%	100.00%	35
36	Utility							\$ 610,782			36
37	Utility							\$ 11,733	0.00%	100.00%	37
38	CAISO/CPUC	10135						\$ 48,473	100.00%	0.00%	38
39	CAISO/CPUC	14127						\$ 57,576	100.00%	0.00%	39
40	CAISO/CPUC	14131						\$ 1,902	0.00%	100.00%	40
41	Utility	1269						\$ 25,885	0.00%	100.00%	41
42	CAISO/CPUC	2258						\$ 3,911	0.00%	100.00%	42
43	Utility	16130						\$ 8,831	0.00%	100.00%	43
44	CAISO/CPUC	13243						\$ 3,525	0.00%	100.00%	44
45	Utility	16131						\$ 3,525	0.00%	100.00%	45
SUBSTATION PROJECTS											
38	CAISO/CPUC	10135						\$ 11,733	0.00%	100.00%	38
39	CAISO/CPUC	14127						\$ 48,473	100.00%	0.00%	39
40	CAISO/CPUC	14131						\$ 57,576	100.00%	0.00%	40
41	Utility	1269						\$ 1,902	0.00%	100.00%	41
42	CAISO/CPUC	2258						\$ 25,885	0.00%	100.00%	42
43	Utility	16130						\$ 3,911	0.00%	100.00%	43
44	CAISO/CPUC	13243						\$ 8,831	0.00%	100.00%	44
45	Utility	16131						\$ 3,525	0.00%	100.00%	45

SAN DIEGO GAS & ELECTRIC COMPANY
FORECAST OF TRANSMISSION CAPITAL ADDITIONS- T04 CYCLE 5
\$ In Thousands (000's)

Line No.	Project Name	Voltage	Budget Code	In-Service Dates	2017 Plant Additions						Line No.
					Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	
41	Utility	Rebuild Pt Loma Substation	1269	Aug-17							41
42	CAISO/CPUC	Salt Creek Substation	2258	Aug-17							42
43	Utility	Warners Substation 69KV Control & Protection Replacement	16130	Aug-17							43
44	CAISO/CPUC	Vine 69/12KV Substation	13243	Oct-17							44
45	Utility	Descanso Substation 69KV Control & Protection Replacement	16131	Oct-17							45
46	CAISO/CPUC	Camp Pendleton Voltage Support	16128	Nov-17							46
47	Utility	SCADA Expansion Transmission	12132	Dec-17							47
48	CAISO/CPUC	San Luis Rey Expansion Project (Synchronous Condensers)	14130	Dec-17							48
49	Utility	Imperial Valley Substation Operational Reliability and Security	14132	Dec-17							49
50	Utility	Miguel Sub Hydro	15130	Dec-17							50
51	Utility	Poway Substation 69KV Rebuild	14143	Mar-18							51
52	CAISO/CPUC	South Bay Substation Relocation	6132	Jun-18							52
53	CAISO/CPUC	Mission Bank 71 Addition	15132	Jun-18							53
54	CAISO/CPUC	SONGS Mesa 230KV Switchyard & Synchronous Condensers	13132	Sep-18							54
55	Utility	Keamy Substation Rebuild	13242	Dec-18							55
56	Utility	Rancho Santa Fe Substation Fire Hardening	15246	Dec-18							56
57											57
58		NETWORK UPGRADES TO ACCOMMODATE GENERATOR INTERCONNECTIONS & ENERGY STORAGE									58
59	CAISO/CPUC	Expedited Storage Procurement (ESP)	16249	Apr-17				1,831			59
60	CAISO/CPUC	Q644A Jacumba Solar Generator Interconnection	15129	May-17					1,461		60
61	CAISO/CPUC	Q32 Tule Wind Generation	15133	Sep-17							61
62	CAISO/CPUC	Encina Carlsbad Energy Center Project	16134	Mar-18							62
63	CAISO/CPUC	Q1061 Vista Energy Storage	16137	Apr-18							63
64											64
65		Grand Total:			23,337	\$17,315	\$1,399	\$2,961	\$114,641	\$838	65
66		High Voltage:			10,947	1,604	729	589	107,036	437	66
67		Low Voltage:			12,390	15,711	670	2,372	7,605	401	67
68		Total:			\$ 23,337	\$ 17,315	\$ 1,399	\$ 2,961	\$ 114,641	\$ 838	68
69		Weighted									69
70		High Voltage			\$ 10,947	\$ 1,604	\$ 729	\$ 589	\$ 107,036	\$ 437	70
71		Low Voltage			\$ 12,390	\$ 15,711	\$ 670	\$ 2,372	\$ 7,605	\$ 401	71
72		Total			\$ 23,337	\$ 17,315	\$ 1,399	\$ 2,961	\$ 114,641	\$ 838	72
73											73
74					\$ 23,337	\$ 17,315	\$ 1,399	\$ 2,961	\$ 114,641	\$ 838	74
75		Weighting Factors			100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	75
76											76
77		Grand Total:			\$2,337	\$14,239	\$0	\$1,831	\$103,819	\$0	77
78		High Voltage:			-	-	-	-	101,394	-	78
79		Low Voltage:			2,337	14,239	-	1,831	2,425	-	79
80		Total:			\$ 2,337	\$ 14,239	\$ -	\$ 1,831	\$ 103,819	\$ -	80

HV/LV calculation to determine the allocation to be used for blanket budget projects.

**SAN DIEGO GAS & ELECTRIC COMPANY
FORECAST OF TRANSMISSION CAPITAL ADDITIONS- TO4 CYCLE 5
\$ in Thousands (000's)**

Line No.	Budget Code	Project Name	2017 Plant Additions							2018 Plant Additions					Line No.		
			Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18			
46	CAISO/CPUC	Camp Pendleton Voltage Support					4,430										46
47	Utility	SCADA Expansion Transmission							3,863								47
48	CAISO/CPUC	San Luis Rey Expansion Project (Synchronous Condensers)							156,624								48
49	Utility	Imperial Valley Substation Operational Reliability and Security							2,013								49
50	Utility	Miguel Sub Hydro							3,463								50
51	Utility	Poway Substation 69kV Rebuild									17,694						51
52	CAISO/CPUC	South Bay Substation Relocation														5,899	52
53	CAISO/CPUC	Mission Bank 71 Addition														9,141	53
54	CAISO/CPUC	SONGS Mesa 230kV Switchyard & Synchronous Condensers															54
55	Utility	Kearny Substation Rebuild															55
56	Utility	Rancho Santa Fe Substation Fire Hardening															56
57																	57
58		NETWORK UPGRADES TO ACCOMMODATE GENERATOR INTERCONNECTIONS															58
59	CAISO/CPUC	Expedited Storage Procurement (ESP)															59
60	CAISO/CPUC	Q644A Jacumba Solar Generator Interconnection															60
61	CAISO/CPUC	Q32 Tule Wind Generation			779												61
62	CAISO/CPUC	Enelra Carlsbad Energy Center Project													2,804		62
63	CAISO/CPUC	Q1061 Vista Energy Storage															63
64																	64
65			\$81,175	\$31,698	\$22,524	\$43,220	\$4,430	\$201,530	\$0	\$0	\$43,301	\$584	\$0	\$239,083	\$0	\$239,083	65
66			-	-	11,638	-	-	178,895	-	-	9,367	-	-	207,870	-	207,870	66
67			81,175	31,698	10,886	43,220	4,430	22,635	-	-	33,934	584	-	31,213	-	31,213	67
68			\$ 81,175	\$ 31,698	\$ 22,524	\$ 43,220	\$ 4,430	\$ 201,530	\$ -	\$ -	\$ 43,301	\$ 584	\$ -	\$ 239,083	\$ -	\$ 239,083	68
69																	69
70			\$ -	\$ -	\$ 11,638	\$ -	\$ -	\$ 178,895	\$ -	\$ -	\$ 7,806	\$ -	\$ -	\$ 121,257	\$ -	\$ 121,257	70
71			\$ 81,175	\$ 31,698	\$ 10,886	\$ 43,220	\$ 4,430	\$ 22,635	\$ -	\$ -	\$ 28,278	\$ 438	\$ -	\$ 18,208	\$ -	\$ 18,208	71
72			\$ 81,175	\$ 31,698	\$ 22,524	\$ 43,220	\$ 4,430	\$ 201,530	\$ -	\$ -	\$ 36,084	\$ 438	\$ -	\$ 139,464	\$ -	\$ 139,464	72
73																	73
74			\$ 81,175	\$ 31,698	\$ 22,524	\$ 43,220	\$ 4,430	\$ 201,530	\$ -	\$ -	\$ 36,084	\$ 438	\$ -	\$ 139,464	\$ -	\$ 139,464	74
75			100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	91.667%	83.333%	75.000%	66.667%	58.333%		58.333%	75
76																	76
77			\$81,175	\$31,698	\$9,129	\$43,220	\$4,430	\$169,312	\$0	\$0	\$28,183	\$584	\$0	\$220,211	\$0	\$220,211	77
78			-	-	4,655	-	-	162,100	-	-	1,486	-	-	198,032	-	198,032	78
79			81,175	31,698	4,474	43,220	4,430	7,212	-	-	26,697	584	-	22,179	-	22,179	79
80			\$ 81,175	\$ 31,698	\$ 9,129	\$ 43,220	\$ 4,430	\$ 169,312	\$ -	\$ -	\$ 28,183	\$ 584	\$ -	\$ 220,211	\$ -	\$ 220,211	80

HV/LV calculation to determine the allocation to be used for blanket budget projects:

SAN DIEGO GAS & ELECTRIC COMPANY
FORECAST OF TRANSMISSION CAPITAL ADDITIONS- TO4 CYCLE 5
\$ In Thousands (000's)

Line No.	Project Name	Budget Code	2018 Plant Additions					Total Plant Additions	High Voltage 200KV+	Low Voltage	Line No.
			Jul-18	Aug-18	Sep-18	Oct-18	Nov-18				
46	CAISO/CPUC	16128						\$ 4,430	0.00%	100.00%	46
47	Utility	12132						\$ 3,863	0.00%	100.00%	47
48	CAISO/CPUC	14130						\$ 156,624	100.00%	0.00%	48
49	Utility	14132						\$ 2,013	100.00%	0.00%	49
50	Utility	15130						\$ 3,463	100.00%	0.00%	50
51	Utility	14143						\$ 17,694	0.00%	100.00%	51
52	CAISO/CPUC	6132						\$ 5,899	42.00%	58.00%	52
53	CAISO/CPUC	15132						\$ 9,141	59.00%	41.00%	53
54	CAISO/CPUC	13132		109,177				\$ 109,177	100.00%	0.00%	54
55	Utility	13242						\$ 11,953	0.00%	100.00%	55
56	Utility	15246						\$ 2,162	0.00%	100.00%	56
57								\$ 488,255	SUBTOTAL		57
58	NETWORK UPGRADES TO ACCOMMODATE GENERATOR INTERCONNECTIONS										
59	CAISO/CPUC	16249						\$ 1,831	0.00%	100.00%	59
60	CAISO/CPUC	15129						\$ 1,461	0.00%	100.00%	60
61	CAISO/CPUC	15133						\$ 779	0.00%	100.00%	61
62	CAISO/CPUC	16134						\$ 2,804	53.00%	47.00%	62
63	CAISO/CPUC	16137						\$ 584	0.00%	100.00%	63
64								\$ 7,459	SUBTOTAL		64
65			\$ 24,681	\$ 14,959	\$ 126,045	\$ 126,074	\$ 41,865	\$ 104,503	\$ 1,266,163	Gross	65
66			-	-	117,970	-	-	12,997	\$ 660,078	High Voltage	66
67			24,681	14,959	8,075	126,074	41,865	91,506	\$ 606,085	Low Voltage	67
68			\$ 24,681	\$ 14,959	\$ 126,045	\$ 126,074	\$ 41,865	\$ 104,503	\$ 1,266,163	Total	68
69			\$ -	\$ -	\$ 39,323	\$ -	\$ -	\$ 1,083	\$ 481,343	Weighted	69
70			\$ 12,341	\$ 6,233	\$ 2,692	\$ 31,519	\$ 6,978	\$ 7,625	\$ 347,504	High Voltage	70
71			\$ 12,341	\$ 6,233	\$ 42,015	\$ 31,519	\$ 6,978	\$ 8,708	\$ 828,847	Low Voltage	71
72			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Total	72
73			\$ 12,341	\$ 6,233	\$ 42,015	\$ 31,519	\$ 6,978	\$ 8,708	\$ 828,847		73
74			50.000%	41.667%	33.333%	25.000%	16.667%	8.333%			74
75											75
76											76
77			\$ 24,681	\$ 14,959	\$ 109,177	\$ 126,074	\$ 41,865	\$ 79,572	\$ 1,106,496	Gross	77
78			-	-	109,177	-	-	-	\$ 576,844	High Voltage	78
79			24,681	14,959	-	126,074	41,865	79,572	\$ 529,652	Low Voltage	79
80			\$ 24,681	\$ 14,959	\$ 109,177	\$ 126,074	\$ 41,865	\$ 79,572	\$ 1,106,496	Total	80

HV/LV calculation to determine the allocation to be used for blanket budget projects:

SAN DIEGO GAS & ELECTRIC COMPANY
 FORECAST OF TRANSMISSION CAPITAL ADDITIONS - TO4 CYCLE 5

Line No.	Project Name	Voltage	Budget Code	ISO Approval Status	Reference / Comments	Line No.
1	BLANKET BUDGET PROJECTS:					1
2	Electric Transmission Line Reliability Projects	100	N/A	See Note (1) below		2
3	Transmission Substation Reliability Projects	103	N/A	See Note (1) below		3
4	Renewal of Electric Transmission Line Easements	104	N/A	See Note (1) below		4
5	Electric Transmission Tools & Equipment	106	N/A	See Note (1) below		5
6	Electric Transmission Infrastructure Improvements	1145	N/A	See Note (1) below		6
7	Electric Transmission System Automation	3171	N/A	See Note (1) below		7
8	Emergency & Spare Equipment	6254	N/A	See Note (1) below		8
9	Fiber Optic for Relay Protection & Telecommunication	7144	N/A	See Note (1) below		9
10	Synchronized Phasor Measurement	10138	N/A	See Note (1) below		10
11	Aerial Marking for Safety	12159	N/A	See Note (1) below		11
12	Condition-Based Maintenance & CBM Gas Circuit Breaker Monitoring	9144/13139	N/A	See Note (1) below		12
13	Various Substations Security Upgrades (CAST)	15125	N/A	See Note (1) below		13
14	Substation Security Installations	8162/16126	N/A	See Note (1) below		14
15,16	TRANSMISSION LINE PROJECTS:					15,16
17	TL664 Wood to Steel	69KV	11133	N/A	Wood to Steel Pole Replacement - to enhance reliability during fires	17
18	TL13821 and TL13828 Fanita Junction Enhancement	138KV	9166	Yes	2011 - 2012 Transmission Plan	18
19	TL628 Direct Buried Cable Replacement	69KV	14133	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by Aging Infrastructure)	19
20	CNF Project (TL625B, TL629E, TL681, TL629D, TL682, TL629D)	69KV	8165	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by SDG&E Reliability Criteria)	20
21	TL600 Reliability Pole Replacements	69KV	12156	Yes	2015 - 2016 Transmission Plan	21
22	Mid-Coast Trolley Extension Project	69KV	15258	N/A	N/A	22
23	TL697 San Luis Rey to Oceanfront (Camp Pendleton)	69KV	10147	N/A	Wood to Steel Pole Replacement - to enhance reliability during fires	23
24	TL694 Wood to Steel	69KV	12149	N/A	Wood to Steel Pole Replacement - to enhance reliability during fires	24
25	SX-PO 230KV Line	230KV	13128	Yes	2014 - 2015 Transmission Plan	25
26	TL698 Wood to Steel	69KV	14140	N/A	Wood to Steel Pole Replacement - to enhance reliability during fires	26
27	TL690A Pendleton South Wood to Steel	69KV	16132	Yes	2013 - 2014 Transmission Plan	27
28	TL676 Mission-Mesa Heights Reconnector	69KV	9153	Yes	2012 - 2013 Transmission Plan	28
29	TL6906 Mesa Rim Loop-in	69KV	17130	Yes	2013 - 2014 Transmission Plan	29
30	TL663 Mission-Keamy Reconnector	69KV	11126	Yes	2010 - 2011 Transmission Plan	30
31	TL649 Wood to Steel	69KV	9137	N/A	Wood to Steel Pole Replacement - to enhance reliability during fires	31
32	TL691 Avocado to Camp Pendleton	69KV	10144	N/A	Wood to Steel Pole Replacement - to enhance reliability during fires	32
33	TL6956971 Talega to Cristianitos Japanese Mesa (Camp Pendleton)	69KV	10146	Yes	2011 - 2012 Transmission Plan	33
34	TL6912 San Luis Rey to Camp Pendleton	69KV	10149	N/A	Wood to Steel Pole Replacement - to enhance reliability during fires	34
35	TL13835 Wood to Steel	69KV	14138	N/A	Wood to Steel Pole Replacement - to enhance reliability during fires	35
36,37	SUBSTATION PROJECTS:					36,37
38	Los Cocheros Substation Rebuild	138/69KV	10135	Yes	2011 - 2012 Transmission Plan	38
39	Imperial Valley Flow Control Device (Phase Shifters)	500/230KV	14127	Yes	2013 - 2014 Transmission Plan	39
40	Miguel 500KV Voltage Support (Synchronous Condensers)	500KV	14131	Yes	2013 - 2014 Transmission Plan	40
41	Rebuild Pt Loma Substation	69KV	1269	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by Aging Infrastructure)	41
42	Salt Creek Substation	69KV	2259	Yes	2014 - 2015 Transmission Plan	42
43	Warners Substation 69KV Control & Protection Replacement	69KV	16130	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by SDG&E Reliability Criteria)	43
44	Vine 69/12KV Substation	69KV	13243	Yes	2014 - 2015 Transmission Plan	44
45	Descanso Substation 69KV Control & Protection Replacement	69KV	16131	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by SDG&E Reliability Criteria)	45
46	Camp Pendleton Voltage Support	69KV	16128	N/A	2015 - 2016 Transmission Plan	46
47	SCADA Expansion Transmission	138KV	12132	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by SDG&E Reliability Criteria)	47
48	San Luis Rey Expansion Project (Synchronous Condensers)	230KV	14130	Yes	2013 - 2014 Transmission Plan	48
49	Imperial Valley Substation Operational Reliability and Security	500/230KV	14132	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by Aging Infrastructure and SDG&E Reliability Criteria)	49
50	Miguel Sub Hydro	500/230KV	15130	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by Aging Infrastructure and SDG&E Reliability Criteria)	50
51	Power Substation 69KV Rebuild	69KV	14143	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by Aging Infrastructure)	51
52	South Bay Substation Relocation	230/138/69KV	6132	Yes	2013 - 2014 Transmission Plan	52
53	Mission Bank 71 Addition	230/69KV	15132	Yes	2013 - 2014 Transmission Plan	53
54	SONGS Mesa 230KV Switchyard & Synchronous Condensers	230KV	13132	Yes	2013 - 2014 Transmission Plan	54
55	Keamy Substation Rebuild	69KV	13242	N/A	No ISO Transmission Reliability Upgrades Needed (Driven by Aging Infrastructure)	55
56	Rancho Santa Fe Substation Fire Hardening	69KV	15246	N/A	N/A	56
57,58	NETWORK UPGRADES TO ACCOMMODATE GENERATOR INTERCONNECTIONS:					57,58
59	Expedited Storage Procurement (ESP)	69KV	16249	Yes	Approved through ISO LGIA process and/or CAISO-approved policy driven project	59
60	Q644A Jacumba Solar Generator Interconnection	138KV	15129	Yes	Approved through ISO LGIA process and/or CAISO-approved policy driven project	60
61	Q32 Tule Wind Generation	138KV	15133	Yes	Approved through ISO LGIA process and/or CAISO-approved policy driven project	61
62	Encha Carlsbad Energy Center Project	230/138KV	16134	Yes	Approved through ISO LGIA process and/or CAISO-approved policy driven project	62
63	Q1061 Vista Energy Storage	69KV	16137	Yes	Approved through ISO LGIA process and/or CAISO-approved policy driven project	63

Blanket Budgets are capital projects that are necessary to maintain SDG&E's existing system and, therefore, do not generally require ISO approval.

SAN DIEGO GAS & ELECTRIC COMPANY
FORECAST OF TRANSMISSION CAPITAL ADDITIONS - TO4 CYCLE 5

Line No.	Project Name	Voltage	Budget Code	3	4	5	6	Line No.
1	BLANKET BUDGET PROJECTS:							
2	Electric Transmission Line Reliability Projects		100	See Note (3)	See Note (3)	Assessed on specific project basis	1	
3	Transmission Substation Reliability Projects		103	See Note (3)	See Note (3)	Assessed on specific project basis	2	
4	Renewal of Electric Transmission Line Easements		104	See Note (3)	See Note (3)	Assessed on specific project basis	3	
5	Electric Transmission Tools & Equipment		106	See Note (3)	See Note (3)	Assessed on specific project basis	4	
6	Electric Transmission Infrastructure Improvements		1145	See Note (3)	See Note (3)	Assessed on specific project basis	5	
7	Electric Transmission System Automation		3171	See Note (3)	See Note (3)	Assessed on specific project basis	6	
8	Emergency & Spare Equipment		6254	See Note (3)	See Note (3)	Assessed on specific project basis	7	
9	Fiber Optic for Relay Protection & Telecommunication		7144	See Note (3)	See Note (3)	Assessed on specific project basis	8	
10	Synchronized Phasor Measurement		10138	See Note (3)	See Note (3)	Assessed on specific project basis	9	
11	Aerial Marking for Safety		12159	See Note (3)	See Note (3)	Assessed on specific project basis	10	
12	Condition-Based Maintenance & CBM Gas Circuit Breaker Monitoring		9444/13139	See Note (3)	See Note (3)	Assessed on specific project basis	11	
13	Various Substations Security Upgrades (CAST)		15125	See Note (3)	See Note (3)	Assessed on specific project basis	12	
14	Substation Security Installations		8162/16126	See Note (3)	See Note (3)	Assessed on specific project basis	13	
15,16	TRANSMISSION LINE PROJECTS:						14	
17	TL1664 Wood to Steel	69kV	11133	Exempt		Effective	15,16	
18	TL13821 and TL13828 Fanita Junction Enhancement	138kV	9166	Exempt		Effective	17	
19	TL626 Direct Buried Cable Replacement	69kV	14133	Exempt		Effective	18	
20	CNF Project (TL625B, TL629E, TL6931, TL6931, TL629A, TL682, TL629D)	69kV	8165	PTC		Effective	19	
21	TL600 Reliability Pole Replacements	69kV	12156	N/A		Effective	20	
22	MH-Coast Trolley Extension Project	69kV	15258	Exempt		Effective	21	
23	TL697 San Luis Rey to Oceanside (Camp Pendleton)	69kV	10147	Exempt		Effective	22	
24	TL694 Wood to Steel	69kV	12149	N/A		Pending	23	
25	SX-PQ 230kV Line	230kV	13128	CPCN		Effective	24	
26	TL698 Wood to Steel	69kV	14140	N/A		Pending	25	
27	TL690A Pendleton South Wood to Steel	69kV	16132	Exempt		Effective	26	
28	TL676 Mission-Mesa Heights Re-conductor	69kV	9153	N/A		Pending	27	
29	TL6906 Mesa Rim Loop-in	69kV	17130	N/A		Pending	28	
30	TL665 Mission-Kearny Re-conductor	69kV	11126	N/A		Pending	29	
31	TL649 Wood to Steel	69kV	9137	PTC		Forecast	30	
32	TL691 Avocado to Camp Pendleton	69kV	10144	N/A		Pending	31	
33	TL695/6971, Talega to Cristianitos-Japanese Mesa (Camp Pendleton)	69kV	10146	PTC		Forecast	32	
34	TL6912 San Luis Rey to Camp Pendleton	69kV	10149	N/A		Pending	33	
35	TL13835 Wood to Steel	69kV	14138	Exempt		Effective	34	
36,37	SUBSTATION PROJECTS:						35	
38	Los Cocheros Substation Rebuild	138kV	10135	Exempt		Effective	36,37	
39	Imperial Valley Flow Control Device (Phase Shifters)	500/230kV	14127	Exempt		Effective	38	
40	Miguel 500kV Voltage Support (Synchronous Condensers)	500kV	14131	Exempt		Effective	39	
41	Rebuild PL Loma Substation	69kV	1269	Exempt		Effective	40	
42	Salt Creek Substation	69kV	2258	PTC		Effective	41	
43	Warners Substation 69kV Control & Protection Replacement	69kV	16130	Exempt		Effective	42	
44	Vine 69/12kV Substation	69kV	13243	PTC		Effective	43	
45	Descanso Substation 69kV Control & Protection Replacement	69kV	16131	Exempt		Effective	44	
46	Camp Pendleton Voltage Support	69kV	16128	Exempt		Effective	45	
47	SCADA Expansion Transmission	138kV	12132	Exempt		Effective	46	
48	San Luis Rey Expansion Project (Synchronous Condensers)	230kV	14130	Exempt		Effective	47	
49	Imperial Valley Substation Operational Reliability and Security	500/230kV	14132	Exempt		Effective	48	
50	Miguel Sub Hydro	500/230kV	15130	Exempt		Effective	49	
51	Poway Substation 69kV Rebuild	69kV	14143	Exempt		Effective	50	
52	South Bay Substation Rebuild	230/138/69kV	6132	PTC		Effective	51	
53	Mission Bank 71 Addition	230/69kV	15132	Exempt		Effective	52	
54	SONGS Mesa 230kV Switchyard & Synchronous Condensers	230kV	13132	Exempt		Effective	53	
55	Kearny Substation Rebuild	69kV	13242	Exempt		Effective	54	
56	Rancho Santa Fe Substation Fire Hardening	69kV	15246	N/A		Effective	55	
57,58	NETWORK UPGRADES TO ACCOMMODATE GENERATOR INTERCONNECTIONS:						56	
59	Expedited Storage Procurement (ESP)	69kV	16249	N/A		N/A	57,58	
60	Q644A, Jacumba Solar Generator Interconnection	138kV	15129	N/A		N/A	59	
61	Q32 Tule Wind Generation	138kV	15133	N/A		N/A	60	
62	Encha Carlsbad Energy Center Project	230/138kV	16134	N/A		N/A	61	
63	Q1061 Yula Energy Storage	69kV	16137	N/A		N/A	62	

Notes
 (1) The term "Exempt" means the project is exempt from a Permit to Construct (PTC) or CPCN
 (2) CPUC Approval Status is categorized as Effective, Pending or Forecast. Each category is defined as follows:
 Effective - GO 131-D Approval Obtained
 Pending - under CPUC Review
 Forecast - subject to Internal Determination
 N/A - Not Applicable or Available
 (3) Due to the numerous small transmission projects and the varying CPUC licensing requirements included in each blanket budget, no single determination will apply. Instead, each project within a blanket budget will be assessed individually and applicable licensing requirements will be followed.

San Diego Gas & Electric Company

TO4 – Cycle 5

Large Transmission Plant Additions Workpapers

Docket No. ER18-____-____

**SDG&E's TO4 Cycle 5 Transmission Plant Additions
For 24-Month Forecast Period: January 2017 through December 2018
Reflects Costs and Benefits Related with Large Transmission Plant Additions**

A. Summary

The following is a list of large transmission plant additions (in excess of \$5 million) that will be placed into service during SDG&E's TO4 Cycle 5 Forecast Period (January 2017 through December 2018). Shown for each project are the in-service month, approval status, total cost, cost weighted for the number of months the project will be in service during the TO4 Cycle 5 rate-effective period (January 2018 through December 2018), and an explanation of the benefits of the project for SDG&E's retail and ISO wholesale customers.

Cost Totals (\$000s): $\frac{\text{Project Costs}}{\text{Weighted Costs}}$
 $\frac{\$1,061,819}{\$675,149}$

B. Projects
(\$000s)

Transmission Line Projects

1. TL664 Wood to Steel

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
11133	\$5,548	\$5,548	Jan 2017 Dec 2017	N/A	Exempt	This project is a wood-to-steel pole replacement enhancing reliability by removing existing wood poles and replacing them with new steel poles in fire-prone/wind-prone areas. Also replaces guyed wood structures over existing Railroad tracks with engineered (unguyed) steel poles on foundations to improve reliability and safety.

2. TL13821 and TL13828 Fanita Junction Enhancement

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
9166	\$10,552	\$10,552	Feb 2017	Yes	Exempt	This project will improve the reliability of the San Diego transmission system by mitigating forecast NERC Category B and C contingencies by the following: increasing the outlet capability at Sycamore Canyon substation by converting a three-terminal line into two, two terminal lines (SX-Carton Hills and SX-Santee) and converting the Sycamore Canyon 138 kV bus from a ring bus to a breaker-and-a-half configuration. TL13821 is currently configured as a three-terminal line, and has experienced congestion due to forecast Category B post-contingency overloads in the past. The bulk of this overall project closed to plant in 2015 and 2016. These project costs comprise the third and final segment of the project to be completed which falls within the current TO4 Cycle 4 forecast scope period.

3. CNF Project (TL625B, TL629E, TL6931, TL625D, TL629A, TL682, TL629D)

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
8165	\$264,958	\$138,078	May 2017 Jul 2017 Oct 2017 4 th Qtr '18	N/A	PTC	This project will improve the reliability of all electric facilities in fire-prone and/or wind-prone areas of Cleveland National Forest and adjacent lands by replacing existing wood poles with equivalent steel poles. The fire-hardening work will involve using stronger conductors, slightly longer insulators, and utilize improved vertical and horizontal spacing. The new structures will reduce outage potential, improve contamination resistance, reduce estimated facility maintenance, maximize equipment life span potential, and provide for superior avian protection. These project costs represent work scheduled for completion in 2017 and 2018 TO4 Cycle 5 forecast scope period. However, the overall CNF project is expected to proceed through the end of 2020.

4. TL697 San Luis Rey to Oceanside (Camp Pendleton)

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
10147	\$7,685	\$6,404	Mar 2018	N/A	Exempt	This project is a wood-to-steel pole replacement enhancing reliability by removing existing wood poles and replacing them with new steel poles in fire-prone/wind-prone areas. This project will entail removing approx. 34 wood poles, installing approx. 30 new steel poles, and replacing approx. 3 miles of new conductor.

5. TL694 Wood to Steel

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
12149	\$6,011	\$3,506	Jun 2018	N/A	Advice Letter	This project is a wood-to-steel pole replacement enhancing reliability by removing existing wood poles and replacing them with new steel poles in fire-prone/wind-prone areas.

6. SX-PQ 230kV Line

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
13128	\$190,161	\$110,927	Jun 2018	Yes	CPCN	This project improves reliability by allowing more efficient delivery of imported energy to the San Diego coastal area and will reliably and economically meet forecasted increases in demand in the San Diego region.

7. TL690A Pendleton South Wood to Steel

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
16132	\$7,763	\$4,528	Jun 2018	Yes	Exempt	This project is a wood-to-steel pole replacement enhancing reliability by removing existing wood poles and replacing them with new steel poles in fire-prone/wind-prone areas. This project will entail removing approx. 35 wood poles and 1 steel pole, installing approx. 33 new steel poles, and replacing approx. 3 miles of new conductor.

8. TL676 Mission-Mesa Heights Reconductor

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
9153	\$14,704	\$7,352	Jul 2018	Yes	Advice Letter	This project improves the existing 69 kV system within the Mission/Kearny/Mesa Heights load center, mitigates North American Reliability Corporation (NERC) reliability criteria, and reduces overall outage potential.

9. TL6906 Mesa Rim Loop-in

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
17130	\$9,977	\$4,989	Jul 2018	Yes	N/A	This project will improve reliability by adding third and fourth power lines to the Mesa Rim Substation. Currently there are only two 69kV power lines serving the substation (TL677 Miramar - Mesa Rim and TL675 Mesa Rim- Peñasquitos). The substation must be put out of service to perform repairs or maintenance on the underground facilities. During maintenance of overhead facilities, Mesa Rim Substation is radialized meaning that it is served by only one power line. This project will create two new power lines TL6906 (Peñasquitos-Mesa Rim) and TL6978 (Miramar - Mesa Rim) allowing more flexibility for maintenance activities and improving the reliability of the substation. In addition, the existing wood cable poles have been identified by SDG&E's compliance program to be replaced due to deterioration. They will be replaced with new steel cable poles.

10. TL663 Mission-Kearny Reconductor

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
11126	\$14,959	\$6,233	Aug 2018	Yes	Advice Letter	This project, as initiated by Transmission Planning as a capacity-driven project, is to improve the 69kV transmission local area system within the Mission/Kearny/Mesa Heights load center and mitigate NERC Category B reliability criteria. The scope of work involves overhead and underground work. The overhead work entails re-conductoring the overhead line to provide a new minimum continuous rating of 204MVA from existing 97MVA (with a 9-hour emergency rating of 129MVA). This requires a complete re-conductor of overhead line from 1-1033.5 ACSR/AW and 2-336.4.

11. TL649 Wood to Steel

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
9137	\$17,529	\$2,922	Nov 2018	N/A	PTC	This project is a wood-to-steel pole replacement enhancing reliability by removing existing wood poles and replacing them with new steel poles in fire-prone/wind-prone areas. This project will entail removing approx. 132 wood poles, installing approx. 117 new steel poles, and replacing approx. 7 miles of new conductor.

12. TL691 Avocado to Camp Pendleton

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
10144	\$22,466	\$1,872	Dec 2018	N/A	Advice Letter	This project is a wood-to-steel pole replacement enhancing reliability by removing existing wood poles and replacing them with new steel poles in fire-prone/wind-prone areas. This project will entail replacing approx. 114 wood/steel poles and approx. 9 miles of new conductor.

13. TL695/6971 Talega to Cristianitos Japanese Mesa (Camp Pendleton)

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
10146	\$12,844	\$1,070	Dec 2018	Yes	PTC	This project is a wood-to-steel pole replacement enhancing reliability by removing existing wood poles and replacing them with new steel poles in fire-prone/wind-prone areas. This project will entail replacing approx. 80 wood/steel poles and approx. 8 miles of new conductor.

14. TL6912 San Luis Rey to Camp Pendleton

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
10149	\$13,676	\$1,140	Dec 2018	N/A	Advice Letter	This project is a wood-to-steel pole replacement enhancing reliability by removing existing wood poles and replacing them with new steel poles in fire-prone/wind-prone areas. This project will entail replacing approx. 75 wood/steel poles and approx. 6 miles of new conductor.

Substation Projects**15. Los Coches Substation Rebuild**

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
10135	\$11,733	\$11,733	Jan 2017 Oct 2017	Yes	Exempt	This project will provide increased reliability through seismic upgrades, operational flexibility, and future capacity and will mitigate the reliability and loading issues. This project was reviewed and approved by the CAISO. The bulk of this project closed to plant in 2016.

16. Imperial Valley Flow Control Device (Phase Shifters)

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
14127	\$48,473	\$48,473	May 2017	Yes	Exempt	This project will enhance reliability by installing an 800 MVar flow control device to be located within the Imperial Valley Substation. This device will help prevent overloading on CFE tie-line TL23050 IV-La Rosita and avert potential voltage collapse. CAISO chose the Phase Shifting transformer as the technology to be implemented after discussion with CFE of Mexico and SDG&E.

17. Miguel 500kV Voltage Support (Synchronous Condensers)

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
14131	\$57,576	\$57,576	May 2017 Sep 2017	Yes	Exempt	This project will aid reliability and help mitigate voltage stability concerns identified by the CAISO in response to the loss of generation at SONGS, South Bay, and Encina power plants. The project involves installation of two +225/-120 MVAr synchronous condensers connected to the existing 500kV switchyard at the Miguel Substation.

18. Salt Creek Substation

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
2258	\$25,885	\$25,885	Aug 2017	Yes	PTC	This project will enhance reliability in the Otay Mesa area of Chula Vista, CA by installing a new low-profile 69/12kV substation to serve load growth. Project will entail installation of 2 new cable poles, looping in existing 69kV circuits to the substation, and installing new distribution circuits from the substation to the surrounding neighborhood in existing streets.

19. Vine 69/12kV Substation

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
13243	\$8,831	\$8,831	Oct 2017	Yes	PTC	This project will improve reliability and help accommodate future load growth in the downtown San Diego and surrounding areas by adding system capacity to: (1) allow congested downtown substation to be offloaded and (2) reduce outage potential at the airport and downtown businesses and residents.

20. San Luis Rey Expansion Project (Synchronous Condensers)

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
14130	\$156,624	\$156,624	Dec 2017	Yes	Exempt	This project will aid reliability and help mitigate voltage stability concerns identified by the CAISO in response to the loss of generation at SONGS, South Bay, and Encina power plants. The project involves installation of two +225/-120 MVAr synchronous condensers connected to the existing 230kV switchyard at the San Luis Rey Substation.

21. Poway Substation 69kV Rebuild

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
14143	\$17,694	\$14,745	Mar 2018	N/A	Exempt	This project will improve reliability by rebuilding the existing 69kV bus in the substation to allow for an ultimate 120 MVAr capability and building a new control shelter to allow for new controls and protection (including SCADA) and increased security.

22. South Bay Substation Relocation

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
6132	\$5,899	\$3,441	Jun 2018	Yes	PTC	This project will replace aging and obsolete existing substation equipment, accommodate regional energy needs, and provide for future transmission and distribution load growth for the South Bay Region. The bulk of this project was completed in 2016, with residual demolition work remaining into 2018.

23. Mission Bank 71 Addition

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
15132	\$9,141	\$5,332	Jun 2018	Yes	Exempt	This project will remove from service the existing Mission class 50 banks (Bank 51 and 52) and add a 2nd class 70 bank (Bank 71). The project will mitigate the Cat C (T-1-1) thermal overload on the Mission 138/69kV yard as identified by the CAISO. In addition, it will remove from service aging infrastructure and add load-tap capability allowing Grid Operations to control voltage.

24. SONGS Mesa 230kV Switchyard & Synchronous Condensers

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
13132	\$109,177	\$36,392	Sep 2018	Yes	Exempt	This project will aid reliability and help mitigate voltage stability concerns identified by the CAISO in response to the loss of generation at SONGS, South Bay, and Encina power plants. The project involves installation of one +225 MVAr Synchronous Condensers connected to the existing 230kV switchyard at the SONGS Substation.

25. Kearny Substation Rebuild

Budget Code	Cost of Project	Weighted Cost	In Service Date	ISO Approved	CPUC Approved	How Project Benefits Customers
13242	\$11,953	\$996	Dec 2018	N/A	Exempt	This project will relocate the existing substation to a larger location to accommodate expansion. This project will improve reliability and help accommodate future load growth. The capacity of the substation will be expanded to serve the new nearby Kaiser Hospital. The project will replace aging infrastructure, including failing 69kV and 12kV insulator glass, aging 12kV metalclad switchgear, non-standard bus tie arrangement, six transmission and eight distribution breakers, and four 12kV capacitors.

San Diego Gas & Electric Company

TO4 – Cycle 5

Summary of Common, General & Electric Intangible Forecast Plant Additions Workpapers

Docket No. ER18-___ - ___

San Diego Gas and Electric Company
TO4 Cycle 5
Summary of Common, General, and Electric Intangible Forecast Plant Additions
January 2017 - December 2018

Line No.	Ref. No.	Description	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
1		SECTION 1:						
2		Summary of Common, General and Electric Intangible Plant Forecast:						
3	A	Common Plant Additions (Facilities)	\$ 3,912,308	\$ 3,571,517	\$ 28,246,554	\$ 3,249,845	\$ 11,191,338	\$ 461,198
4	A	Common Plant Additions (IT)	-	6,437,728	2,581,952	3,239,686	-	5,207,785
5	B	General Plant Additions (Facilities)	478,299	-	1,465,562	-	416,983	-
6	B	General Plant Additions (Electric Transmission Infrastructure Improvements)	696,692	-	-	-	-	-
7	B	General Plant Additions (Expedited Storage Procurement (ESP))	-	-	-	1,359,466	-	-
8	B	General Plant Additions (Fiber Optic for Relay Protection & Telecommunication)	-	-	-	-	1,443,013	-
9	B	General Plant Additions (Imperial Valley Flow Control Device (Phase Shifters))	-	-	-	-	657,101	-
10	B	General Plant Additions (Miguel 500kV Voltage Support (Synchronous Condensers))	-	-	-	-	596,123	-
11	B	General Plant Additions (Q644A Jacumba Solar Generator Interconnection)	-	-	-	-	41,552	-
12	B	General Plant Additions (CNF Project)	-	-	-	-	-	-
13	B	General Plant Additions (San Luis Rey Expansion Project)	-	-	-	-	-	-
14	B	General Plant Additions (SX-PO)	-	-	-	-	-	-
15	B	General Plant Additions (SONGS Synchronous Condensers)	-	-	-	-	-	-
16	B	Electric Intangible Plant Additions (IT)	1,481,222	-	1,673,858	-	-	-
17								
18		Total	\$ 6,568,521	\$ 10,009,245	\$ 33,967,926	\$ 7,848,997	\$ 14,346,110	\$ 5,668,983
19								
20		SECTION 2:						
21	A	Total Common Plant Forecast (Lines 3 to 4)	\$ 3,912,308	\$ 10,009,245	\$ 30,828,506	\$ 6,489,531	\$ 11,191,338	\$ 5,668,983
22								
23		Common Plant Allocation Factor (Common Allocation Ratio Method)	75.31%	75.31%	75.31%	75.31%	75.31%	75.31%
24								
25		Common Plant (Facilities, IT, Misc.) - Electric Only	\$ 2,946,359	\$ 7,537,962	\$ 23,216,948	\$ 4,887,266	\$ 8,428,197	\$ 4,269,311
26								
27								
28	B	Total General and Electric Intangible Plant Forecast (Lines 5 to 16)	\$ 2,656,213	\$ -	\$ 3,139,420	\$ 1,359,466	\$ 3,154,772	\$ -
29								
30								
31	C	Total - Common, General, & Electric Intangible Plant Forecast (Sections A & B)	\$ 5,602,572	\$ 7,537,962	\$ 26,356,368	\$ 6,246,732	\$ 11,582,969	\$ 4,269,311
32								
33		Transmission Salaries & Wages Ratio (Statement AI)	17.52%	17.52%	17.52%	17.52%	17.52%	17.52%
34								
35	D	Total Transmission Related - Common, General, & Electric Intangible Plant Forecast	\$ 981,571	\$ 1,320,651	\$ 4,617,636	\$ 1,094,427	\$ 2,029,336	\$ 747,983
36								
37	E	SECTION 3:						
38		HV/LV Transmission Plant Balance @ Dec 31, 2016						
39		HV (\$1,000)	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586
40		LV (\$1,000)	1,704,678	1,704,678	1,704,678	1,704,678	1,704,678	1,704,678
41		Total	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264
42								
43		HV/LV Transmission Weighted Forecast Plant Additions						
44		HV (\$1,000)	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051
45		LV (\$1,000)	346,572	346,572	346,572	346,572	346,572	346,572
46		Total	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623
47								
48		Total HV/LV @ Dec 31, 2016 Balance + Weighted Forecast Plant Additions						
49		HV (\$1,000)	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637
50		LV (\$1,000)	2,051,250	2,051,250	2,051,250	2,051,250	2,051,250	2,051,250
51		Total	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887
52		HV/LV Allocation % = Dec 31, 2016 Balance + Forecast Plant Additions						
53		HV %	64.73%	64.73%	64.73%	64.73%	64.73%	64.73%
54		LV %	35.27%	35.27%	35.27%	35.27%	35.27%	35.27%
55		Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
56								
57	F	Allocated Common, General & Electric Intangible Plant Forecast (Unweighted)						
58		High Voltage \$	\$ 635,371	\$ 854,857	\$ 2,988,996	\$ 708,423	\$ 1,313,589	\$ 484,169
59		Low Voltage \$	346,200	465,794	1,628,640	386,004	715,747	263,814
60		Total	\$ 981,571	\$ 1,320,651	\$ 4,617,636	\$ 1,094,427	\$ 2,029,336	\$ 747,983
61								

San Diego Gas and Electric Company
TO4 Cycle 5
Summary of Common, General, and Electric Intangible Forecast Plant Additions
January 2017 - December 2018

Line No.	Ref. No.	Description	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
1		SECTION 1:						
2		Summary of Common, General and Electric Intangible Plant Forecast:						
3	A	Common Plant Additions (Facilities)	\$ 4,593,639	\$ 1,332,974	\$ 756,207	\$ 1,886,113	\$ 579,426	\$ 14,803,847
4	A	Common Plant Additions (IT)	23,004,493	20,765,247	11,426,426	2,176,047	5,651,837	38,237,607
5	B	General Plant Additions (Facilities)	-	-	-	-	-	-
6	B	General Plant Additions (Electric Transmission Infrastructure Improvements)	-	-	-	-	-	-
7	B	General Plant Additions (Expedited Storage Procurement (ESP))	-	-	-	-	-	-
8	B	General Plant Additions (Fiber Optic for Relay Protection & Telecommunication)	-	-	-	-	-	-
9	B	General Plant Additions (Imperial Valley Flow Control Device (Phase Shifters))	-	-	-	-	-	-
10	B	General Plant Additions (Miguel 500kV Voltage Support (Synchronous Condensers))	-	-	-	-	-	-
11	B	General Plant Additions (Q644A Jacumba Solar Generator Interconnection)	-	-	-	-	-	-
12	B	General Plant Additions (CNF Project)	3,647,883	-	-	-	-	-
13	B	General Plant Additions (San Luis Rey Expansion Project)	-	-	-	-	345,356	-
14	B	General Plant Additions (SX-PO)	-	-	-	-	-	-
15	B	General Plant Additions (SONGS Synchronous Condensers)	-	-	-	-	-	-
16	B	Electric Intangible Plant Additions (IT)	-	-	-	-	-	-
17								
18		Total	\$ 31,246,015	\$ 22,098,221	\$ 12,182,633	\$ 4,062,160	\$ 6,576,619	\$ 53,041,454
19								
20		SECTION 2:						
21	A	Total Common Plant Forecast (Lines 3 to 4)	\$ 27,598,132	\$ 22,098,221	\$ 12,182,633	\$ 4,062,160	\$ 6,231,263	\$ 53,041,454
22								
23		Common Plant Allocation Factor (Common Allocation Ratio Method)	75.31%	75.31%	75.31%	75.31%	75.31%	75.31%
24								
25		Common Plant (Facilities, IT, Misc.) - Electric Only	\$ 20,784,153	\$ 16,642,170	\$ 9,174,741	\$ 3,059,213	\$ 4,692,764	\$ 39,945,519
26								
27								
28	B	Total General and Electric Intangible Plant Forecast (Lines 5 to 16)	\$ 3,647,883	\$ -	\$ -	\$ -	\$ 345,356	\$ -
29								
30								
31	C	Total - Common, General, & Electric Intangible Plant Forecast (Sections A & B)	\$ 24,432,036	\$ 16,642,170	\$ 9,174,741	\$ 3,059,213	\$ 5,038,120	\$ 39,945,519
32								
33		Transmission Salaries & Wages Ratio (Statement AI)	17.52%	17.52%	17.52%	17.52%	17.52%	17.52%
34								
35	D	Total Transmission Related - Common, General, & Electric Intangible Plant Forecast	\$ 4,280,493	\$ 2,915,708	\$ 1,607,415	\$ 535,974	\$ 882,679	\$ 6,998,455
36								
37	E	SECTION 3:						
38		HV/LV Transmission Plant Balance @ Dec 31, 2016						
39		HV (\$1,000)	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586
40		LV (\$1,000)	1,704,678	1,704,678	1,704,678	1,704,678	1,704,678	1,704,678
41		Total	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264
42								
43		HV/LV Transmission Weighted Forecast Plant Additions						
44		HV (\$1,000)	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051
45		LV (\$1,000)	346,572	346,572	346,572	346,572	346,572	346,572
46		Total	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623
47								
48		Total HV/LV @ Dec 31, 2016 Balance + Weighted Forecast Plant Additions						
49		HV (\$1,000)	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637
50		LV (\$1,000)	2,051,250	2,051,250	2,051,250	2,051,250	2,051,250	2,051,250
51		Total	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887
52		HV/LV Allocation % = Dec 31, 2016 Balance + Forecast Plant Additions						
53		HV %	64.73%	64.73%	64.73%	64.73%	64.73%	64.73%
54		LV %	35.27%	35.27%	35.27%	35.27%	35.27%	35.27%
55		Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
56								
57	F	Allocated Common, General & Electric Intangible Plant Forecast (Unweighted)						
58		High Voltage \$	\$ 2,770,763	\$ 1,887,338	\$ 1,040,480	\$ 346,936	\$ 571,358	\$ 4,530,100
59		Low Voltage \$	1,509,730	1,028,370	566,935	189,038	311,321	2,468,355
60		Total	\$ 4,280,493	\$ 2,915,708	\$ 1,607,415	\$ 535,974	\$ 882,679	\$ 6,998,455
61								

San Diego Gas and Electric Company
TO4 Cycle 5
Summary of Common, General, and Electric Intangible Forecast Plant Additions
January 2017 - December 2018

Line No.	Ref. No.	Description	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
1		SECTION 1:						
2		Summary of Common, General and Electric Intangible Plant Forecast:						
3	A	Common Plant Additions (Facilities)	\$ -	\$ -	\$ -	\$ 707,130	\$ 310,696	\$ 17,929,583
4	A	Common Plant Additions (IT)	2,530,341	6,339,681	9,718,918	33,589,407	5,802,392	8,471,512
5	B	General Plant Additions (Facilities)	-	-	-	-	-	-
6	B	General Plant Additions (Electric Transmission Infrastructure Improvements)	-	-	-	-	-	-
7	B	General Plant Additions (Expedited Storage Procurement (ESP))	-	-	-	-	-	-
8	B	General Plant Additions (Fiber Optic for Relay Protection & Telecommunication)	-	-	-	-	-	-
9	B	General Plant Additions (Imperial Valley Flow Control Device (Phase Shifters))	-	-	-	-	-	-
10	B	General Plant Additions (Miguel 500kV Voltage Support (Synchronous Condensers))	-	-	-	-	-	-
11	B	General Plant Additions (Q644A Jacumba Solar Generator Interconnection)	-	-	-	-	-	-
12	B	General Plant Additions (CNF Project)	-	-	-	-	-	-
13	B	General Plant Additions (San Luis Rey Expansion Project)	-	-	-	-	-	-
14	B	General Plant Additions (SX-PO)	-	-	-	-	-	2,638,742
15	B	General Plant Additions (SONGS Synchronous Condensers)	-	-	-	-	-	-
16	B	Electric Intangible Plant Additions (IT)	-	-	-	-	-	-
17								
18		Total	\$ 2,530,341	\$ 6,339,681	\$ 9,718,918	\$ 34,296,537	\$ 6,113,088	\$ 29,039,837
19								
20		SECTION 2:						
21	A	Total Common Plant Forecast (Lines 3 to 4)	\$ 2,530,341	\$ 6,339,681	\$ 9,718,918	\$ 34,296,537	\$ 6,113,088	\$ 26,401,095
22								
23		Common Plant Allocation Factor (Common Allocation Ratio Method)	75.31%	75.31%	75.31%	75.31%	75.31%	75.31%
24								
25		Common Plant (Facilities, IT, Misc.) - Electric Only	\$ 1,905,600	\$ 4,774,414	\$ 7,319,317	\$ 25,828,722	\$ 4,603,767	\$ 19,882,665
26								
27								
28	B	Total General and Electric Intangible Plant Forecast (Lines 5 to 16)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,638,742
29								
30								
31	C	Total - Common, General, & Electric Intangible Plant Forecast (Sections A & B)	\$ 1,905,600	\$ 4,774,414	\$ 7,319,317	\$ 25,828,722	\$ 4,603,767	\$ 22,521,407
32								
33		Transmission Salaries & Wages Ratio (Statement AI)	17.52%	17.52%	17.52%	17.52%	17.52%	17.52%
34								
35	D	Total Transmission Related - Common, General, & Electric Intangible Plant Forecast	\$ 333,861	\$ 836,477	\$ 1,282,344	\$ 4,525,192	\$ 806,580	\$ 3,945,751
36								
37	E	SECTION 3:						
38		HV/LV Transmission Plant Balance @ Dec 31, 2016						
39		HV (\$1,000)	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586
40		LV (\$1,000)	1,704,678	1,704,678	1,704,678	1,704,678	1,704,678	1,704,678
41		Total	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264
42								
43		HV/LV Transmission Weighted Forecast Plant Additions						
44		HV (\$1,000)	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051
45		LV (\$1,000)	346,572	346,572	346,572	346,572	346,572	346,572
46		Total	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623
47								
48		Total HV/LV @ Dec 31, 2016 Balance + Weighted Forecast Plant Additions						
49		HV (\$1,000)	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637
50		LV (\$1,000)	2,051,250	2,051,250	2,051,250	2,051,250	2,051,250	2,051,250
51		Total	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887
52		HV/LV Allocation % = Dec 31, 2016 Balance + Forecast Plant Additions						
53		HV %	64.73%	64.73%	64.73%	64.73%	64.73%	64.73%
54		LV %	35.27%	35.27%	35.27%	35.27%	35.27%	35.27%
55		Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
56								
57	F	Allocated Common, General & Electric Intangible Plant Forecast (Unweighted)						
58		High Voltage \$	\$ 216,108	\$ 541,452	\$ 830,061	\$ 2,929,157	\$ 522,099	\$ 2,554,085
59		Low Voltage \$	117,753	295,025	452,283	1,596,035	284,481	1,391,666
60		Total	\$ 333,861	\$ 836,477	\$ 1,282,344	\$ 4,525,192	\$ 806,580	\$ 3,945,751
61								

San Diego Gas and Electric Company
TO4 Cycle 5
Summary of Common, General, and Electric Intangible Forecast Plant Additions
January 2017 - December 2018

Line No.	Ref. No.	Description	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
1		SECTION 1:						
2		Summary of Common, General and Electric Intangible Plant Forecast:						
3	A	Common Plant Additions (Facilities)	\$ 517,826	\$ 621,391	\$ 29,078,424	\$ 17,826	\$ 621,391	\$ 19,167,809
4	A	Common Plant Additions (IT)	19,825,781	-	26,747,316	-	-	48,770,792
5	B	General Plant Additions (Facilities)	-	-	-	-	-	-
6	B	General Plant Additions (Electric Transmission Infrastructure Improvements)	-	-	-	-	-	-
7	B	General Plant Additions (Expedited Storage Procurement (ESP))	-	-	-	-	-	-
8	B	General Plant Additions (Fiber Optic for Relay Protection & Telecommunication)	-	-	-	-	-	-
9	B	General Plant Additions (Imperial Valley Flow Control Device (Phase Shifters))	-	-	-	-	-	-
10	B	General Plant Additions (Miguel 500kV Voltage Support (Synchronous Condensers))	-	-	-	-	-	-
11	B	General Plant Additions (Q644A Jacumba Solar Generator Interconnection)	-	-	-	-	-	-
12	B	General Plant Additions (CNF Project)	-	-	1,526,971	-	-	-
13	B	General Plant Additions (San Luis Rey Expansion Project)	-	-	-	-	-	-
14	B	General Plant Additions (SX-PO)	-	-	-	-	-	-
15	B	General Plant Additions (SONGS Synchronous Condensers)	-	-	854,076	-	-	-
16	B	Electric Intangible Plant Additions (IT)	-	-	-	-	-	-
17								
18		Total	\$ 20,343,607	\$ 621,391	\$ 58,206,787	\$ 17,826	\$ 621,391	\$ 67,938,601
19								
20		SECTION 2:						
21	A	Total Common Plant Forecast (Lines 3 to 4)	\$ 20,343,607	\$ 621,391	\$ 55,825,740	\$ 17,826	\$ 621,391	\$ 67,938,601
22								
23		Common Plant Allocation Factor (Common Allocation Ratio Method)	75.31%	75.31%	75.31%	75.31%	75.31%	75.31%
24								
25		Common Plant (Facilities, IT, Misc.) - Electric Only	\$ 15,320,770	\$ 467,970	\$ 42,042,365	\$ 13,425	\$ 467,970	\$ 51,164,560
26								
27								
28	B	Total General and Electric Intangible Plant Forecast (Lines 5 to 16)	\$ -	\$ -	\$ 2,381,047	\$ -	\$ -	\$ -
29								
30								
31	C	Total - Common, General, & Electric Intangible Plant Forecast (Sections A & B)	\$ 15,320,770	\$ 467,970	\$ 44,423,412	\$ 13,425	\$ 467,970	\$ 51,164,560
32								
33		Transmission Salaries & Wages Ratio (Statement AI)	17.52%	17.52%	17.52%	17.52%	17.52%	17.52%
34								
35	D	Total Transmission Related - Common, General, & Electric Intangible Plant Forecast	\$ 2,684,199	\$ 81,988	\$ 7,782,982	\$ 2,352	\$ 81,988	\$ 8,964,031
36								
37	E	SECTION 3:						
38		HV/LV Transmission Plant Balance @ Dec 31, 2016						
39		HV (\$1,000)	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586	\$ 3,284,586
40		LV (\$1,000)	1,704,678	1,704,678	1,704,678	1,704,678	1,704,678	1,704,678
41		Total	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264	\$ 4,989,264
42								
43		HV/LV Transmission Weighted Forecast Plant Additions						
44		HV (\$1,000)	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051	\$ 480,051
45		LV (\$1,000)	346,572	346,572	346,572	346,572	346,572	346,572
46		Total	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623	\$ 826,623
47								
48		Total HV/LV @ Dec 31, 2016 Balance + Weighted Forecast Plant Additions						
49		HV (\$1,000)	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637	\$ 3,764,637
50		LV (\$1,000)	2,051,250	2,051,250	2,051,250	2,051,250	2,051,250	2,051,250
51		Total	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887	\$ 5,815,887
52		HV/LV Allocation % = Dec 31, 2016 Balance + Forecast Plant Additions						
53		HV %	64.73%	64.73%	64.73%	64.73%	64.73%	64.73%
54		LV %	35.27%	35.27%	35.27%	35.27%	35.27%	35.27%
55		Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
56								
57	F	Allocated Common, General & Electric Intangible Plant Forecast (Unweighted)						
58		High Voltage \$	\$ 1,737,482	\$ 53,071	\$ 5,037,924	\$ 1,522	\$ 53,071	\$ 5,802,417
59		Low Voltage \$	946,717	28,917	2,745,058	830	28,917	3,161,614
60		Total	\$ 2,684,199	\$ 81,988	\$ 7,782,982	\$ 2,352	\$ 81,988	\$ 8,964,031
61								

San Diego Gas and Electric Company
TO4 Cycle 5
Summary of Common, General, and Electric Intangible Forecast Plant Additions
January 2017 - December 2018

Line No.	Ref. No.	Description	Total	Reference	Line No.
1		SECTION 1:			1
2		Summary of Common, General and Electric Intangible Plant Forecast:			2
3	A	Common Plant Additions (Facilities)	\$ 143,557,042	Facilities: Line 80	3
4	A	Common Plant Additions (IT)	280,524,948	IT: Line 80	4
5	B	General Plant Additions (Facilities)	2,360,844	Facilities: Line 99	5
6	B	General Plant Additions (Electric Transmission Infrastructure Improvements)	696,692	General Plant components of ET-related project	6
7	B	General Plant Additions (Expedited Storage Procurement (ESP))	1,359,466	General Plant components of ET-related project	7
8	B	General Plant Additions (Fiber Optic for Relay Protection & Telecommunication)	1,443,013	General Plant components of ET-related project	8
9	B	General Plant Additions (Imperial Valley Flow Control Device (Phase Shifters))	657,101	General Plant components of ET-related project	9
10	B	General Plant Additions (Miguel 500kV Voltage Support (Synchronous Condensers))	596,123	General Plant components of ET-related project	10
11	B	General Plant Additions (Q644A Jacumba Solar Generator Interconnection)	41,552	General Plant components of ET-related project	11
12	B	General Plant Additions (CNF Project)	5,174,854	General Plant components of ET-related project	12
13	B	General Plant Additions (San Luis Rey Expansion Project)	345,356	General Plant components of ET-related project	13
14	B	General Plant Additions (SX-PQ)	2,638,742	General Plant components of ET-related project	14
15	B	General Plant Additions (SONGS Synchronous Condensers)	854,076	General Plant components of ET-related project	15
16	B	Electric Intangible Plant Additions (IT)	3,155,080	ITS: Line 99	16
17					17
18		Total	\$ 443,404,889	Sum Lines 3 thru 16	18
19					19
20		SECTION 2:			20
21	A	Total Common Plant Forecast (Lines 3 to 4)	\$ 424,081,990	Sum Lines 3 to 4	21
22					22
23		Common Plant Allocation Factor (Common Allocation Ratio Method)	75.31%	Vol. 2 W/P; Statement AD; Page AD-12B	23
24					24
25		Common Plant (Facilities, IT, Misc.) - Electric Only	\$ 319,376,148	Line 21 x Line 23	25
26					26
27					27
28	B	Total General and Electric Intangible Plant Forecast (Lines 5 to 16)	\$ 19,322,899	Sum Lines 5 to 16	28
29					29
30					30
31	C	Total - Common, General, & Electric Intangible Plant Forecast (Sections A & B)	\$ 338,699,047	Line 25 + Line 28	31
32					32
33		Transmission Salaries & Wages Ratio (Statement AI)	17.52%	Vol. 1 ; Statement AI; Page AI1; Line 19	33
34					34
35	D	Total Transmission Related - Common, General, & Electric Intangible Plant Forecast	\$ 59,340,073	Line 31 x Line 33	35
36					36
37	E	SECTION 3:			37
38		HV/LV Transmission Plant Balance @ Dec 31, 2016			38
39		HV (\$1,000)	\$ 3,284,586	Vol. 2 W/P Tab HV-LV Alloc. Study; Page 1; Col C; Line 32	39
40		LV (\$1,000)	1,704,678	Vol. 2 W/P Tab HV-LV Alloc. Study; Page 1; Col B; Line 32	40
41		Total	\$ 4,989,264	Line 39 + Line 40	41
42					42
43		HV/LV Transmission Weighted Forecast Plant Additions			43
44		HV (\$1,000)	\$ 480,051	Vol. 2 W/P; Summary of Wtd Trans. Plant Adds; Page 1; Line 1	44
45		LV (\$1,000)	346,572	Vol. 2 W/P; Summary of Wtd Trans. Plant Adds; Page 1; Line 1	45
46		Total	\$ 826,623	Line 44 + Line 45	46
47					47
48		Total HV/LV @ Dec 31, 2016 Balance + Weighted Forecast Plant Additions			48
49		HV (\$1,000)	\$ 3,764,637	Line 39 + Line 44	49
50		LV (\$1,000)	2,051,250	Line 40 + Line 45	50
51		Total	\$ 5,815,887	Line 49 + Line 50	51
52					52
53		HV/LV Allocation % = Dec 31, 2016 Balance + Forecast Plant Additions			53
54		HV %	64.73%	Line 49 / Line 51	54
55		LV %	35.27%	Line 50 / Line 51	55
56		Total	100.00%	Line 53 + Line 54	56
57	F	Allocated Common, General & Electric Intangible Plant Forecast (Unweighted)			57
58		High Voltage \$	\$ 38,410,829	Line 35 x Line 53	58
59		Low Voltage \$	20,929,244	Line 35 x Line 54	59
60		Total	\$ 59,340,073	Line 58 + Line 59	60
61					61

San Diego Gas and Electric Company
Summary of Common, General and Electric Intangible Forecast Plant Additions
TO4 - Cycle 5
January 2017 - December 2018

Notes:

SECTION 1 shows the forecast for common, general, and electric intangible plant that conforms to workpapers as indicated in the reference column.

SECTION 2 segregates the costs in Section 1 into common that gets allocated between gas and electric, and general and electric miscellaneous intangible plant components. The combined total for all the common electric share, general, and electric miscellaneous intangible plant are allocated per transmission labor ratio. The overall transmission related common, general, and electric intangible total plant forecast is allocated between High and Low Voltage in Section 3.

SECTION 3 reflects the basis for HV/LV allocations for the forecast of common, general & intangible plant additions based on the combined transmission plant balances as of December 31, 2016 plus the weighted forecast transmission plant additions from January 2017 - December 2018. The ratios developed on Lines 53 and 54 are used to allocate the Common, General, and Electric Intangible forecast plant additions between HV and LV for CAISO TAC purposes.

San Diego Gas & Electric Company

TO4 – Cycle 5

Common and General Forecast Plant Additions (Facilities) Workpapers

Docket No. ER18-____-____

San Diego Gas and Electric Company
Common and General Plant Additions (Facilities)
January 2017 - December 2018

Line No	Budget Code	Archibus ID	Description	In Service Date	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
1	703	2015-000177	MISSION ROOF FALL PROTECTION	Jan-17	\$ 410,610	\$ -	\$ -	\$ -	\$ -	\$ -
2	703	2015-000171	CENTURY PARK PEDESTRIAN SAFETY UPGRADES	Jan-17	799,997	-	-	-	-	-
3	705	2016-000067	CENTURY PARK FOOD SERVICES	Jan-17	32,095	-	-	-	-	-
4	705	2016-000120	RISK MANAGEMENT CENTER	Jan-17	66,527	-	-	-	-	-
5	707	2016-000140	CENTURY PARK SECURITY & CAMERAS	Jan-17	403,627	-	-	-	-	-
6	707	2016-000145	MT WOODSON SECURITY IMPROVEMENTS	Jan-17	28,051	-	-	-	-	-
7	708	2016-000149	RBDC CIRCUIT BREAKERS	Jan-17	411,772	-	-	-	-	-
8	708	2016-000143	EASTERN DO HVAC REPLACEMENT	Jan-17	46,758	-	-	-	-	-
9	11547	N/A	SKILLS CITY IMPROVEMENT	Jan-17	473,146	-	-	-	-	-
10	16769	2015-000165	BEACH CITIES FACILITIES UPGRADES	Jan-17	1,239,725	-	-	-	-	-
11	703	2012-000142	MIRAMAR LIGHT POLES	Feb-17	-	386,549	-	-	-	-
12	709	2016-000153	CENTURY PARK BUILDING 3-3 RECONFIGURATION	Feb-17	-	240,397	-	-	-	-
13	710	2015-000168	GREENCRAIG II PROPERTY SECURITY UPGRADES	Feb-17	-	932,460	-	-	-	-
14	13746	2013-000048	ARCHIBUS LAND SERVICES SOFTWARE	Feb-17	-	2,012,111	-	-	-	-
15	701	2016-000061	MISSION SKILLS SIGNAGE & LANDSCAPING	Mar-17	-	-	751,781	-	-	-
16	701	2016-000111	NORTHEAST BATTERY	Mar-17	-	-	59,920	-	-	-
17	707	2015-000021	EASTERN DO SECURITY IMPROVEMENTS	Mar-17	-	-	1,257,776	-	-	-
18	16768	2014-000039	CP EAST TENANT	Mar-17	-	-	25,988,314	-	-	-
19	16770	2015-000104	MORENO ADMIN BUILDING TENANT IMPROVEMENTS	Mar-17	-	-	178,763	-	-	-
20	701	2014-000054	OCCO YARD RACK	Apr-17	-	-	-	321,695	-	-
21	701	2014-000038	OCCO CREW ROOM	Apr-17	-	-	-	935,029	-	-
22	701	2016-000031	NE C&O NW PRMT FENCING UPGRADES	Apr-17	-	-	-	169,913	-	-
23	707	2015-000072	RAPID EYE SECURITY	Apr-17	-	-	-	144,684	-	-
24	707	2015-000073	PHOENIX TO CCU	Apr-17	-	-	-	42,810	-	-
25	710	2015-000096	GREENCRAIG II PROPERTY IMPROVEMENTS	Apr-17	-	-	-	526,651	-	-
26	710	2016-000041	GREENCRAIG NEW ELEVATOR	Apr-17	-	-	-	1,109,063	-	-
27	708	2017-000004	EASTERN BOILER REPLACEMENT	May-17	-	-	-	-	45,035	-
28	14753	2015-000215	CENTURY PARK BUILDING 6 CALL CENTER REMODEL	May-17	-	-	-	-	9,184,318	-
29	14758	2014-000111	RBDC CRAC SERVER REPLACEMENTS PHASE 2	May-17	-	-	-	-	1,956,407	-
30	16249	2016-000112	EASTERN BATTERY PAVING FOR NEW	May-17	-	-	-	-	5,578	-
31	701	2017-000017	CASPARIAN BUILDING STORAGE	Jun-17	-	-	-	-	-	39,840
32	703	2016-000137	MIRAMAR VARIOUS FACILITIES IMPROVEMENTS	Jun-17	-	-	-	-	-	421,358
33	16771	2010-000165	RBDC POWER RELIABILITY IMPROVEMENTS	Jul-17	-	-	-	-	-	-
34	710	2016-000175	CP ANNEX PLUS TI	Dec-17	-	-	-	-	-	-
35	16767	2015-000202	MISSION CONTROL CRITICAL ASSET SECURITY	Dec-17	-	-	-	-	-	-
36	16766	2015-000012	MISSION CONTROL MODERNIZATION	Jun-18	-	-	-	-	-	-
37	710	2016-000041	GREENCRAIG LANE INTERIOR IMPROVEMENTS	Sep-18	-	-	-	-	-	-
38	16768	N/A	CP EAST SITEWORK	Sep-18	-	-	-	-	-	-
39	705	N/A	FLEET FUEL MANAGEMENT SYSTEM UPGRADES	Dec-18	-	-	-	-	-	-
40	709	N/A	CP5 REFRESH	Dec-18	-	-	-	-	-	-
41	Varies	Blanket	BLANKET BUDGET FACILITIES CAPITAL ADDITIONS	Monthly	-	-	-	-	-	-
42										
43										
44										
45										
46										
47										
48										
49										
50										

San Diego Gas and Electric Company
 Common and General Plant Additions (Facilities)
 January 2017 - December 2018

Line No	Budget Code	Archibus ID	Description	In Service Date	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										
61										
62										
63										
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68										
69										
70										
71										
72										
73										
74										
75										
76										
77										
78										
79										
80			TOTAL COMMON PLANT - FACILITIES		\$ 3,912,308	\$ 3,571,517	\$ 28,246,554	\$ 3,249,845	\$ 11,191,338	\$ 461,198
81	8729	2016-000084	BEACH CITIES FLEET HYBRID CHARGING	Jan-17	33,868	-	-	-	-	-
82	8729	2016-000090	NORTHEAST FLEET HYBRID CHARGING	Jan-17	59,247	-	-	-	-	-
83	8729	2016-000092	MISSION SKILL'S FLEET HYBRID CHARGING	Jan-17	39,200	-	-	-	-	-
84	8729	2016-000087	METRO FLEET HYBRID CHARGING	Jan-17	81,272	-	-	-	-	-
85	8729	2016-000089	NC FLEET HYBRID CHARGING	Jan-17	20,989	-	-	-	-	-
86	8729	2016-000091	OC FLEET HYBRID CHARGING	Jan-17	69,667	-	-	-	-	-
87	8729	2016-000117	MIRAMAR FLEET HYBRID CHARGING	Jan-17	140,732	-	-	-	-	-
88	8729	2016-000088	MOUNTAIN EMPIRE C&O FLEET HYBRID CHARGING	Jan-17	33,324	-	-	-	-	-
89	8729	2016-000085	EASTERN FLEET HYBRID CHARGING	Mar-17	-	-	118,864	-	-	-
90	701	N/A	MISSION CONTROL IDF RAISED/REPLACE FLOORING	Mar-17	-	-	749,037	-	-	-
91	16766	N/A	METRO AUDIO VISUAL UPGRADES	Mar-17	-	-	597,661	-	-	-
92	8729	2016-000086	KEARNY FLEET HYBRID CHARGING	May-17	-	-	-	-	416,983	-
93										
94										
95										
96										
97										
98										
99			TOTAL GENERAL PLANT - FACILITIES		\$ 478,299	\$ -	\$ 1,465,562	\$ -	\$ 416,983	\$ -
100			GRAND TOTAL COMMON AND GENERAL PLANT - FACILITIES		\$ 4,390,607	\$ 3,571,517	\$ 29,712,116	\$ 3,249,845	\$ 11,608,321	\$ 461,198

San Diego Gas and Electric Company
Common and General Plant Additions (Facilities)
January 2017 - December 2018

Line No	Budget Code	Archibus ID	Description	In Service Date	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
1	703	2015-000177	MISSION ROOF FALL PROTECTION	Jan-17	\$					
2	703	2015-000171	CENTURY PARK PEDESTRIAN SAFETY UPGRADES	Jan-17						
3	705	2016-000067	CENTURY PARK FOOD SERVICES	Jan-17						
4	705	2016-000120	RISK MANAGEMENT CENTER	Jan-17						
5	707	2016-000140	CENTURY PARK SECURITY & CAMERAS	Jan-17						
6	707	2016-000145	MT WOODSON SECURITY IMPROVEMENTS	Jan-17						
7	708	2016-000149	RBDC CIRCUIT BREAKERS	Jan-17						
8	708	2016-000143	EASTERN DO HVAC REPLACEMENT	Jan-17						
9	11547	N/A	SKILLS CITY IMPROVEMENT	Jan-17						
10	16769	2015-000165	BEACH CITIES FACILITIES UPGRADES	Jan-17						
11	703	2012-000142	MIRAMAR LIGHT POLES	Feb-17						
12	709	2016-000153	CENTURY PARK BUILDING 3.3 RECONFIGURATION	Feb-17						
13	710	2015-000168	GREENCRAIG II PROPERTY SECURITY UPGRADES	Feb-17						
14	13746	2013-000048	ARCHIBUS LAND SERVICES SOFTWARE	Feb-17						
15	701	2016-000061	MISSION SKILLS SIGNAGE & LANDSCAPING	Mar-17						
16	701	2016-000111	NORTHEAST BATTERY	Mar-17						
17	707	2015-000021	EASTERN DO SECURITY IMPROVEMENTS	Mar-17						
18	16768	2014-000039	CP EAST TENANT	Mar-17						
19	16770	2015-000104	MORENO ADMIN BUILDING TENANT IMPROVEMENTS	Mar-17						
20	701	2014-000054	OCCO YARD RACK	Apr-17						
21	701	2014-000038	OCCO CREW ROOM	Apr-17						
22	701	2016-000031	NE C&O NW PRMT FENCING UPGRADES	Apr-17						
23	707	2015-000072	RAPID EYE SECURITY	Apr-17						
24	707	2015-000073	PHOENIX TO CCU	Apr-17						
25	710	2015-000096	GREENCRAIG II PROPERTY IMPROVEMENTS	Apr-17						
26	710	2016-000041	GREENCRAIG NEW ELEVATOR	Apr-17						
27	708	2017-000004	EASTERN BOILER REPLACEMENT	May-17						
28	14753	2015-000215	CENTURY PARK BUILDING 6 CALL CENTER REMODEL	May-17						
29	14758	2014-000111	RBDC CRAC SERVER REPLACEMENTS PHASE 2	May-17						
30	16249	2016-000112	EASTERN BATTERY PAVING FOR NEW	May-17						
31	701	2017-000017	CASPAIN BUILDING STORAGE	Jun-17						
32	703	2016-000137	MIRAMAR VARIOUS FACILITIES IMPROVEMENTS	Jun-17						
33	16771	2010-000165	RBDC POWER RELIABILITY IMPROVEMENTS	Jul-17	3,559,301					
34	710	2016-000175	CP ANNEX PLUS II	Dec-17						
35	16767	2015-000202	MISSION CONTROL CRITICAL ASSET SECURITY	Dec-17						2,190,090
36	16766	2015-000012	MISSION CONTROL MODERNIZATION	Jun-18						8,693,687
37	710	2016-000041	GREENCRAIG LANE INTERIOR IMPROVEMENTS	Sep-18						
38	16768	N/A	CP EAST SITEWORK	Sep-18						
39	705	N/A	FLEET FUEL MANAGEMENT SYSTEM UPGRADES	Dec-18						
40	709	N/A	CP5 REFRESH	Dec-18						
41	Varies	Blanket	BLANKET BUDGET FACILITIES CAPITAL ADDITIONS	Monthly	1,034,338	1,332,974	756,207	1,886,113	579,426	3,920,070
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San Diego Gas and Electric Company
 Common and General Plant Additions (Facilities)
 January 2017 - December 2018

Line No	Budget Code	Archibus ID	Description	In Service Date	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
51										
52										
53										
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80			TOTAL COMMON PLANT - FACILITIES		\$ 4,593,639	\$ 1,332,974	\$ 756,207	\$ 1,886,113	\$ 579,426	\$ 14,803,847
81	8729	2016-000084	BEACH CITIES FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
82	8729	2016-000090	NORTHEAST FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
83	8729	2016-000092	MISSION SKILLS FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
84	8729	2016-000087	METRO FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
85	8729	2016-000089	NC FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
86	8729	2016-000091	OC FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
87	8729	2016-000117	MIRAMAR FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
88	8729	2016-000088	MOUNTAIN EMPIRE C&O FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
89	8729	2016-000085	EASTERN FLEET HYBRID CHARGING	Mar-17	-	-	-	-	-	-
90	701	N/A	MISSION CONTROL IDF RAISED/REPLACE FLOORING	Mar-17	-	-	-	-	-	-
91	16766	N/A	METRO AUDIO VISUAL UPGRADES	Mar-17	-	-	-	-	-	-
92	8729	2016-000086	KEARNY FLEET HYBRID CHARGING	May-17	-	-	-	-	-	-
93										
94										
95										
96										
97										
98										
99			TOTAL GENERAL PLANT - FACILITIES		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100			GRAND TOTAL COMMON AND GENERAL PLANT - FACILITIES		\$ 4,593,639	\$ 1,332,974	\$ 756,207	\$ 1,886,113	\$ 579,426	\$ 14,803,847

San Diego Gas and Electric Company
 Common and General Plant Additions (Facilities)
 January 2017 - December 2018

Line No	Budget Code	Archibus ID	Description	In Service Date	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
1	703	2015-000177	MISSION ROOF FALL PROTECTION	Jan-17	\$	-	-	-	-	-
2	703	2015-000171	CENTURY PARK PEDESTRIAN SAFETY UPGRADES	Jan-17	-	-	-	-	-	-
3	705	2016-000067	CENTURY PARK FOOD SERVICES	Jan-17	-	-	-	-	-	-
4	705	2016-000120	RISK MANAGEMENT CENTER	Jan-17	-	-	-	-	-	-
5	707	2016-000140	CENTURY PARK SECURITY & CAMERAS	Jan-17	-	-	-	-	-	-
6	707	2016-000145	MT WOODSON SECURITY IMPROVEMENTS	Jan-17	-	-	-	-	-	-
7	708	2016-000149	RBDC CIRCUIT BREAKERS	Jan-17	-	-	-	-	-	-
8	708	2016-000143	EASTERN DO HVAC REPLACEMENT	Jan-17	-	-	-	-	-	-
9	11547	N/A	SKILLS CITY IMPROVEMENT	Jan-17	-	-	-	-	-	-
10	16769	2015-000165	BEACH CITIES FACILITIES UPGRADES	Jan-17	-	-	-	-	-	-
11	703	2012-000142	MIRAMAR LIGHT POLES	Feb-17	-	-	-	-	-	-
12	709	2016-000153	CENTURY PARK BUILDING 3-3 RECONFIGURATION	Feb-17	-	-	-	-	-	-
13	710	2015-000168	GREENCRAIG II PROPERTY SECURITY UPGRADES	Feb-17	-	-	-	-	-	-
14	13746	2013-000048	ARCHIBUS LAND SERVICES SOFTWARE	Feb-17	-	-	-	-	-	-
15	701	2016-000061	MISSION SKILLS SIGNAGE & LANDSCAPING	Mar-17	-	-	-	-	-	-
16	701	2016-000111	NORTHEAST BATTERY	Mar-17	-	-	-	-	-	-
17	707	2015-000021	EASTERN DO SECURITY IMPROVEMENTS	Mar-17	-	-	-	-	-	-
18	16768	2014-000039	CP EAST TENANT	Mar-17	-	-	-	-	-	-
19	16770	2015-000104	MORENO ADMIN BUILDING TENANT IMPROVEMENTS	Mar-17	-	-	-	-	-	-
20	701	2014-000054	OCCO YARD RACK	Apr-17	-	-	-	-	-	-
21	701	2014-000038	OCCO CREW ROOM	Apr-17	-	-	-	-	-	-
22	701	2016-000031	NE C&O NW PRMT FENCING UPGRADES	Apr-17	-	-	-	-	-	-
23	707	2015-000072	RAPID EYE SECURITY	Apr-17	-	-	-	-	-	-
24	707	2015-000073	PHOENIX TO CCU	Apr-17	-	-	-	-	-	-
25	710	2015-000096	GREENCRAIG II PROPERTY IMPROVEMENTS	Apr-17	-	-	-	-	-	-
26	710	2016-000041	GREENCRAIG NEW ELEVATOR	Apr-17	-	-	-	-	-	-
27	708	2017-000004	EASTERN BOILER REPLACEMENT	May-17	-	-	-	-	-	-
28	14753	2015-000215	CENTURY PARK BUILDING 6 CALL CENTER REMODEL	May-17	-	-	-	-	-	-
29	14758	2014-000111	RBDC CRAC SERVER REPLACEMENT'S PHASE 2	May-17	-	-	-	-	-	-
30	16249	2016-000112	EASTERN BATTERY PAVING FOR NEW	May-17	-	-	-	-	-	-
31	701	2017-000017	CASPAN BUILDING STORAGE	Jun-17	-	-	-	-	-	-
32	703	2016-000137	MIRAMAR VARIOUS FACILITIES IMPROVEMENTS	Jun-17	-	-	-	-	-	-
33	16771	2010-000165	RBDC POWER RELIABILITY IMPROVEMENTS	Jul-17	-	-	-	-	-	-
34	710	2016-000175	CP ANNEX PLUS TI	Dec-17	-	-	-	-	-	-
35	16767	2015-000202	MISSION CONTROL CRITICAL ASSET SECURITY	Dec-17	-	-	-	-	-	-
36	16766	2015-000012	MISSION CONTROL MODERNIZATION	Dec-17	-	-	-	-	-	-
37	710	2016-000041	GREENCRAIG LANE INTERIOR IMPROVEMENTS	Sep-18	-	-	-	-	-	17,515,322
38	16768	N/A	CP EAST SITEWORK	Sep-18	-	-	-	-	-	-
39	705	N/A	FLEET FUEL MANAGEMENT SYSTEM UPGRADES	Dec-18	-	-	-	-	-	-
40	709	N/A	CP5 REFRESH	Dec-18	-	-	-	-	-	-
41	Varies	Blanket	BLANKET BUDGET FACILITIES CAPITAL ADDITIONS	Monthly	-	-	-	707,130	310,696	414,261
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San Diego Gas and Electric Company
Common and General Plant Additions (Facilities)
January 2017 - December 2018

Line No	Budget Code	Archibus ID	Description	In Service Date	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
51										
52										
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79										
80			TOTAL COMMON PLANT - FACILITIES		\$ -	\$ -	\$ -	\$ 707,130	\$ 310,696	\$ 17,929,583
81	8729	2016-000084	BEACH CITIES FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
82	8729	2016-000090	NORTHEAST FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
83	8729	2016-000092	MISSION SKILLS FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
84	8729	2016-000087	METRO FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
85	8729	2016-000089	NC FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
86	8729	2016-000091	OC FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
87	8729	2016-000117	MIRAMAR FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
88	8729	2016-000088	MOUNTAIN EMPIRE C&O FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-
89	8729	2016-000085	EASTERN FLEET HYBRID CHARGING	Mar-17	-	-	-	-	-	-
90	701	N/A	MISSION CONTROL IDF RAISED/REPLACE FLOORING	Mar-17	-	-	-	-	-	-
91	16766	N/A	METRO AUDIO VISUAL UPGRADES	Mar-17	-	-	-	-	-	-
92	8729	2016-000086	KEARNY FLEET HYBRID CHARGING	May-17	-	-	-	-	-	-
93										
94										
95										
96										
97										
98										
99			TOTAL GENERAL PLANT - FACILITIES		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100			GRAND TOTAL COMMON AND GENERAL PLANT - FACILITIES		\$ -	\$ -	\$ -	\$ 707,130	\$ 310,696	\$ 17,929,583

San Diego Gas and Electric Company
Common and General Plant Additions (Facilities)
January 2017 - December 2018

Line No	Budget Code	Archibus ID	Description	In Service Date	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total	Line No
1	703	2015-000177	MISSION ROOF FALL PROTECTION	Jan-17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 410,610	1
2	703	2015-0000171	CENTURY PARK PEDESTRIAN SAFETY UPGRADES	Jan-17	-	-	-	-	-	-	\$ 799,997	2
3	705	2016-0000687	CENTURY PARK FOOD SERVICES	Jan-17	-	-	-	-	-	-	\$ 32,095	3
4	705	2016-000120	RISK MANAGEMENT CENTER	Jan-17	-	-	-	-	-	-	\$ 66,527	4
5	707	2016-000140	CENTURY PARK SECURITY & CAMERAS	Jan-17	-	-	-	-	-	-	\$ 403,627	5
6	707	2016-000145	MT WOODSON SECURITY IMPROVEMENTS	Jan-17	-	-	-	-	-	-	\$ 28,051	6
7	708	2016-000149	RBDC CIRCUIT BREAKERS	Jan-17	-	-	-	-	-	-	\$ 411,772	7
8	708	2016-000143	EASTERN DO HVAC REPLACEMENT	Jan-17	-	-	-	-	-	-	\$ 46,758	8
9	11647	N/A	SKILLS CITY IMPROVEMENT	Jan-17	-	-	-	-	-	-	\$ 473,146	9
10	16769	2015-000165	BEACH CITIES FACILITIES UPGRADES	Jan-17	-	-	-	-	-	-	\$ 1,239,725	10
11	703	2012-000142	MIRAMAR LIGHT POLES	Feb-17	-	-	-	-	-	-	\$ 386,549	11
12	709	2016-000153	CENTURY PARK BUILDING 3-3 RECONFIGURATION	Feb-17	-	-	-	-	-	-	\$ 240,397	12
13	710	2015-000168	GREENCRAIG II PROPERTY SECURITY UPGRADES	Feb-17	-	-	-	-	-	-	\$ 932,460	13
14	13746	2013-000048	ARCHIBUS LAND SERVICES SOFTWARE	Feb-17	-	-	-	-	-	-	\$ 2,012,111	14
15	701	2016-000061	MISSION SKILLS SIGNAGE & LANDSCAPING	Mar-17	-	-	-	-	-	-	\$ 751,781	15
16	701	2016-000111	NORTHEAST BATTERY	Mar-17	-	-	-	-	-	-	\$ 59,920	16
17	707	2015-000021	EASTERN DO SECURITY IMPROVEMENTS	Mar-17	-	-	-	-	-	-	\$ 1,257,776	17
18	16768	2014-000039	CP EAST TENANT	Mar-17	-	-	-	-	-	-	\$ 25,996,374	18
19	16770	2015-000104	MORENO ADMIN BUILDING TENANT IMPROVEMENTS	Mar-17	-	-	-	-	-	-	\$ 178,763	19
20	701	2014-000054	OCCO YARD RACK	Apr-17	-	-	-	-	-	-	\$ 321,695	20
21	701	2014-000038	OCCO CREW ROOM	Apr-17	-	-	-	-	-	-	\$ 935,029	21
22	701	2016-000031	NE C&O NW PRMT FENCING UPGRADES	Apr-17	-	-	-	-	-	-	\$ 189,913	22
23	707	2015-000072	RAPID EYE SECURITY	Apr-17	-	-	-	-	-	-	\$ 144,684	23
24	707	2015-000073	PHOENIX TO CCU	Apr-17	-	-	-	-	-	-	\$ 42,810	24
25	710	2015-000096	GREENCRAIG II PROPERTY IMPROVEMENTS	Apr-17	-	-	-	-	-	-	\$ 526,651	25
26	710	2016-000041	GREENCRAIG NEW ELEVATOR	Apr-17	-	-	-	-	-	-	\$ 1,109,063	26
27	708	2017-000004	EASTERN BOILER REPLACEMENT	May-17	-	-	-	-	-	-	\$ 45,035	27
28	14753	2015-000215	CENTURY PARK BUILDING 6 CALL CENTER REMODEL	May-17	-	-	-	-	-	-	\$ 9,184,318	28
29	14758	2014-000111	RBDC CRAC SERVER REPLACEMENT'S PHASE 2	May-17	-	-	-	-	-	-	\$ 1,956,407	29
30	16249	2016-0000112	EASTERN BATTERY PAVING FOR NEW	May-17	-	-	-	-	-	-	\$ 5,578	30
31	701	2017-000017	CASPAIN BUILDING STORAGE	Jun-17	-	-	-	-	-	-	\$ 39,840	31
32	703	2016-000137	MIRAMAR VARIOUS FACILITIES IMPROVEMENTS	Jun-17	-	-	-	-	-	-	\$ 421,358	32
33	16771	2016-000165	RBDC POWER RELIABILITY IMPROVEMENTS	Jul-17	-	-	-	-	-	-	\$ 3,559,301	33
34	710	2016-000175	CP ANNEX PLUS T1	Dec-17	-	-	-	-	-	-	\$ 2,190,090	34
35	16767	2015-000202	MISSION CONTROL CRITICAL ASSET SECURITY	Dec-17	-	-	-	-	-	-	\$ 8,693,687	35
36	16766	2015-000012	MISSION CONTROL MODERNIZATION	Jun-18	-	-	-	-	-	-	\$ 17,515,322	36
37	710	2016-000041	GREENCRAIG LANE INTERIOR IMPROVEMENTS	Sep-18	-	-	23,988,987	-	-	-	\$ 23,988,987	37
38	16768	N/A	CP EAST SITEWORK	Sep-18	-	-	4,571,611	-	-	-	\$ 4,571,611	38
39	706	N/A	FLEET FUEL MANAGEMENT SYSTEM UPGRADES	Dec-18	-	-	-	-	-	2,069,247	\$ 2,069,247	39
40	709	N/A	CP'S REFRESH	Dec-18	-	-	-	-	-	10,470,391	\$ 10,470,391	40
41	Varies	Blanket	BLANKET BUDGET FACILITIES CAPITAL ADDITIONS	Monthly	517,826	621,391	517,826	17,826	621,391	6,628,171	\$ 19,865,646	41
42											\$ -	42
43											\$ -	43
44											\$ -	44
45											\$ -	45
46											\$ -	46
47											\$ -	47
48											\$ -	48
49											\$ -	49
50											\$ -	50

San Diego Gas and Electric Company
Common and General Plant Additions (Facilities)
January 2017 - December 2018

Line No	Budget Code	Archibus ID	Description	In Service Date	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total	Line No
51											\$ -	51
52											\$ -	52
53											\$ -	53
54											\$ -	54
55											\$ -	55
56											\$ -	56
57											\$ -	57
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75											\$ -	75
76											\$ -	76
77											\$ -	77
78											\$ -	78
79											\$ -	79
80			TOTAL COMMON PLANT - FACILITIES		\$ 517,826	\$ 621,391	\$ 29,078,424	\$ 17,826	\$ 621,391	\$ 19,167,809	\$ 143,557,042	80
81	8729	2016-000084	BEACH CITIES FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-	\$ 33,868	81
82	8729	2016-000090	NORTHEAST FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-	\$ 59,247	82
83	8729	2016-000092	MISSION SKILLS FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-	\$ 39,200	83
84	8729	2016-000087	METRO FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-	\$ 81,272	84
85	8729	2016-000089	NC FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-	\$ 20,989	85
86	8729	2016-000091	OC FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-	\$ 69,667	86
87	8729	2016-000117	MIRAMAR FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-	\$ 140,732	87
88	8729	2016-000088	MOUNTAIN EMPIRE C&O FLEET HYBRID CHARGING	Jan-17	-	-	-	-	-	-	\$ 33,324	88
89	8729	2016-000085	EASTERN FLEET HYBRID CHARGING	Mar-17	-	-	-	-	-	-	\$ 118,864	89
90	701	N/A	MISSION CONTROL IDF RAISED/REPLACE FLOORING	Mar-17	-	-	-	-	-	-	\$ 749,037	90
91	16766	N/A	METRO AUDIO VISUAL UPGRADES	Mar-17	-	-	-	-	-	-	\$ 597,661	91
92	8729	2016-000086	KEARNY FLEET HYBRID CHARGING	Mar-17	-	-	-	-	-	-	\$ 416,983	92
93											\$ -	93
94											\$ -	94
95											\$ -	95
96											\$ -	96
97											\$ -	97
98											\$ -	98
99			TOTAL GENERAL PLANT - FACILITIES		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,360,844	99
100			GRAND TOTAL COMMON AND GENERAL PLANT - FACILITIES		\$ 517,826	\$ 621,391	\$ 29,078,424	\$ 17,826	\$ 621,391	\$ 19,167,809	\$ 145,917,886	100

San Diego Gas & Electric Company

TO4 – Cycle 5

Common and Electric Intangible IT Forecast Plant Additions Workpapers

Docket No. ER18-____-____

San Diego Gas and Electric Company
Common and Electric Miscellaneous Intangible Plant Additions (IT)
January 2017 - December 2018

Line No	Project ID	Budget Code	Description	In Service Date	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
1	T16043	16834	ADVANCED ANALYTICS FOUNDATION	Feb-17	\$	\$ 1,012,564	\$	\$	\$	\$
2	T15073	15813	GOPA PHASE 3	Feb-17	-	1,953,897	-	-	-	-
3	T16022	16827	ITOT & IS SMALL CAP	Feb-17	-	336,782	-	-	-	-
4	T15061	15810	POWERPLAN'S REIMBURSABLES & REFUNDS (CAC)	Feb-17	-	2,550,871	-	-	-	-
5	N/A	15833	SDGE M5 SYSTEM UPGRADE	Feb-17	-	315,057	-	-	-	-
6	T16041	16834	SORT_MDT TECHNOLOGY	Feb-17	-	268,557	-	-	-	-
7	T16024	16834	2016/2017 SDGE MDT TECHNOLOGY OBSOLESCENCE	Mar-17	-	-	1,202,668	-	-	-
8	SG1502	15869	SMART GRID ENDPPOINT PROTECTION	Mar-17	-	-	1,379,284	-	-	-
9	T16025	16831	IDS BILLING ENHANCEMENT	Apr-17	-	-	-	1,473,561	-	-
10	T16037	16811.1	RESIDENTIAL RATE REFORM (RROIR/RDW)	Apr-17	-	-	-	1,766,125	-	-
11	T15086	15813	POWERPLAN'S REG MGMT SOL FOR FERC TRANS	Jun-17	-	-	-	-	-	3,320,726
12	T16048	16811	RULE 32 DIRECT PARTICIPATION	Jun-17	-	-	-	-	-	1,887,059
13	T16021	16833	ADV DISTR MGMT SYS PHASE 3 (ADMS)	Jul-17	-	-	-	-	-	-
14	T16036	16811	CUSTOMER AUTHORIZATION	Jul-17	-	-	-	-	-	-
15	T16031	16875	NETWORK ANOMALY DETECTION PHASE 3	Jul-17	-	-	-	-	-	-
16	T16033	16811/16812.1	POWER YOUR DRIVE/ENTERPRISE FUNCTIONALIT	Jul-17	-	-	-	-	-	-
17	T16051	16824	SDGE MAINFRAME CAPACITY UPGRADE AND HW	Jul-17	-	-	-	-	-	-
18	T16030	16819	SDGE PRIVATE NETWORK REFRESH PHASE 2	Jul-17	-	-	-	-	-	-
19	BSDG18	03851	SQL SERVER 2016 ENTERPRISE ENVIRONMENT	Jul-17	-	-	-	-	-	-
20	SG1409	14861	DRMS PH1 - SW REF 2	Aug-17	-	-	-	-	-	-
21	T16026	16813	E&FP 2016 CAISO MANDATES	Aug-17	-	-	-	-	-	-
22	T16055	16829	EMERGENCY FIELD COMMUNICATION SERVICES	Aug-17	-	-	-	-	-	-
23	BSDG01	16877	IS CIP COMPLIANCE MANAGEMENT	Aug-17	-	-	-	-	-	-
24	T15060	15813/15814	METER DATA SETTLEMENT & PRICING (MDSP)	Aug-17	-	-	-	-	-	-
25	T16050	16829	SDGE ENHANCED MOBILE COMMAND TRAILER	Aug-17	-	-	-	-	-	-
26	T15088	15834	SDGE ENTERPRISE DESKTOP REFRESH	Aug-17	-	-	-	-	-	-
27	T14038	15811	DASR SYSTEM UPGRADE	Sep-17	-	-	-	-	-	-
28	T16029	16823	DIIS PHASE 4	Sep-17	-	-	-	-	-	-
29	T16042	16811	FIELD SERVICES REPLACEMENT SERVICE	Sep-17	-	-	-	-	-	-
30	T16027	16811	MY ACCOUNT RELIABILITY AND SIR BUNDLED	Sep-17	-	-	-	-	-	-
31	T16053	16834	WAN LIFE CYCLE EXTENSION 2016	Sep-17	-	-	-	-	-	-
32	T13004	00813/13814	TRANS & SUBSTN INTEGRATION (TSP1) PHASE 2B	Oct-17	-	-	-	-	-	-
33	BSDG10	03850	BRANCH OFFICE KIOSK REPLACEMENT	Nov-17	-	-	-	-	-	-
34	BSDG04	03849	IVR PROJECT	Nov-17	-	-	-	-	-	-
35	BSDG03	03849	KANA ENHANCEMENTS AND ONLINE TRAINING	Nov-17	-	-	-	-	-	-
36	T16040	16831	SORT_EXTENSION RELEASE 1 & 2	Nov-17	-	-	-	-	-	-
37	BSDG09	03851	BUSINESS PROCESS MANAGEMENT (BPM) AUTOMA	Dec-17	-	-	-	-	-	-
38	T16047	16831	CENTRALIZED CALCULATION ENGINE (CCE) PHASE 3	Dec-17	-	-	-	-	-	-
39	N/A	03851	CUS2	Dec-17	-	-	-	-	-	-
40	T16035	16813	CMP SAP ENHANCEMENT	Dec-17	-	-	-	-	-	-
41	T16046	16833	E&FP ALLEGRO TECHNOLOGY UPGRADE	Dec-17	-	-	-	-	-	-
42	BSDG21	03849	GRC PH2 - ADAPTIVE STREET LIGHTS	Dec-17	-	-	-	-	-	-
43	T15080	15827	SCADA RADIO REPLACEMENT & EXPANSION	Dec-17	-	-	-	-	-	-
44	BSDG17	03851	SDG&E DATA WAREHOUSE AND HADOOP PLATFORM	Dec-17	-	-	-	-	-	-
45	T17001	17827	SDGE 2017 NW DC & COLLAB SMALL CAP	Dec-17	-	-	-	-	-	-
46	BSDG07	00833	SDGE GIS MOBILE	Dec-17	-	-	-	-	-	-
47	T14048	15827	SDGE OUT OF BAND MGMT	Dec-17	-	-	-	-	-	-
48	T16028	16871	SMART METER NETWORK DEVICES	Dec-17	-	-	-	-	-	-
49	BSDG05	03851	UNMANNED AERIAL SYSTEM (UAS) ANALYTICS	Dec-17	-	-	-	-	-	-
50	BSDG42	03851	TSP1 PHASE 3 (FOF310)	Jan-18	-	-	-	-	-	-

San Diego Gas and Electric Company
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Line No.	Project ID	Budget Code	Description	In Service Date	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17
51	T15064	15831/15832	SMART METER SYSTEMS UPGRADE	Feb-18	-	-	-	-	-	-
52	BSDG63	03845	SDGE FIELD AREA NETWORKS VOICE & DISPATCH	Mar-18	-	-	-	-	-	-
53	BSDG13	03845	SDGE PRIVATE NETWORK EXPANSION & REFRESH	Apr-18	-	-	-	-	-	-
54	T15082	15827	SDGE TRANSM COMM RELIABILITY IMPROVEMENT	Apr-18	-	-	-	-	-	-
55	BSDG26	03845	NOC MODERNIZATION	May-18	-	-	-	-	-	-
56	T16039	16811/16812	OPTIMAL CUSTOMER BILL REFRESH OPTION	May-18	-	-	-	-	-	-
57	BSDG27	03851	E&FP 2017 CAISO MANDATES	Jun-18	-	-	-	-	-	-
58	BSDG02	03849	PROPENSITY TO PAY	Jun-18	-	-	-	-	-	-
59	BSDG06	00831	SDGE COM AND MOBILE APP REFRESH	Jun-18	-	-	-	-	-	-
60	T16034	16832	SMART METER NETWORK ENHANCEMENT	Jun-18	-	-	-	-	-	-
61	T15067	15833	POWERWORK UPGRADE	Jul-18	-	-	-	-	-	-
62	T17002	17811	RESIDENTIAL TOU PILOT RELEASE 1	Jul-18	-	-	-	-	-	-
63	T16054	16811	GRC PHASE II	Sep-18	-	-	-	-	-	-
64	T16045	16813/16814	SDGE WORK MANAGEMENT ENHANCEMENTS	Sep-18	-	-	-	-	-	-
65	SG1412	14860	DISTRIBUTED ENERGY RESOURCE MGMT (DERMS)	Dec-18	-	-	-	-	-	-
66	BSDG14	03845	DOWNTOWN SCADA COMMUNICATIONS	Dec-18	-	-	-	-	-	-
67	T17003	17833	IDEA 151 - ET & SUBSTATION PROJ LIFECYCLE	Dec-18	-	-	-	-	-	-
68	BSDG16	03851	MODERNIZING OUTAGE REPORTING (MOR)	Dec-18	-	-	-	-	-	-
69	BSDG94	03851	SDGE M5 SYSTEMS UPGRADE PH1	Dec-18	-	-	-	-	-	-
70	BSDG22	03845	SDGE TRANS COMM RELIABILITY ENHANCEMENT	Dec-18	-	-	-	-	-	-
71										
72										
73										
74										
75										
76										
77										
78										
79										
80			TOTAL COMMON PLANT - IT		\$ -	\$ 6,437,728	\$ 2,581,952	\$ 3,239,686	\$ -	\$ 5,207,785
81	N/A	16245	METEOROLOGY FIRE BEHAVIOR PH 1	Jan-17	654,198	-	-	-	-	-
82	N/A	16244	METEOROLOGY OUTAGE PREDICT PH 1	Jan-17	740,589	-	-	-	-	-
83	SG1407	14859	SMART GRID ANALYTICS WEATHER NORMALIZING	Jan-17	86,435	-	-	-	-	-
84	N/A	15242	LOADSEER INTEGRATION CAPACITY	Mar-17	-	-	1,673,858	-	-	-
85										
86										
87										
88										
89										
90										
91										
92										
93										
94										
95										
96										
97										
98										
99			TOTAL ELECTRIC MISCELLANEOUS INTANGIBLE PLANT - IT		\$ 1,481,222	\$ -	\$ 1,673,858	\$ -	\$ -	\$ -
100			GRAND TOTAL COMMON AND ELECTRIC MISCELLANEOUS INTANGIBLE PLANT - IT		\$ 1,481,222	\$ 6,437,728	\$ 4,255,810	\$ 3,239,686	\$ -	\$ 5,207,785

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Line No	Project ID	Budget Code	Description	In Service Date	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
1	T16043	16834	ADVANCED ANALYTICS FOUNDATION	Feb-17	\$	-	\$	-	-	\$
2	T15073	15813	GOFA PHASE 3	Feb-17	-	-	-	-	-	-
3	T16022	16827	ITOT & IS SMALL CAP	Feb-17	-	-	-	-	-	-
4	T15061	15810	POWERPLANS REIMBURSABLES & REFUNDS (CAC)	Feb-17	-	-	-	-	-	-
5	N/A	15833	SDGE M5 SYSTEM UPGRADE	Feb-17	-	-	-	-	-	-
6	T16041	16834	SORT MDT TECHNOLOGY	Feb-17	-	-	-	-	-	-
7	T16024	16834	2016/2017 SDGE MDT TECHNOLOGY OBSOLESCENCE	Mar-17	-	-	-	-	-	-
8	SG1502	15869	SMART GRID ENDPOINT PROTECTION	Mar-17	-	-	-	-	-	-
9	T16025	16831	IDS BILLING ENHANCEMENT	Apr-17	-	-	-	-	-	-
10	T16037	16811.1	RESIDENTIAL RATE REFORM (RROI/RDW)	Apr-17	-	-	-	-	-	-
11	T15086	15813	POWERPLANS REG MGMT SOL FOR FERC TRANS	Jun-17	-	-	-	-	-	-
12	T16048	16811	RULE 32 DIRECT PARTICIPATION	Jun-17	-	-	-	-	-	-
13	T16021	16833	ADV DISTR MGMT SYS PHASE 3 (ADMS)	Jul-17	4,590,711	-	-	-	-	-
14	T16036	16811	CUSTOMER AUTHORIZATION	Jul-17	2,531,666	-	-	-	-	-
15	T16031	16875	NETWORK ANOMALY DETECTION PHASE 3	Jul-17	1,745,440	-	-	-	-	-
16	T16033	16811/16812.1	POWER YOUR DRIVE/ENTERPRISE FUNCTIONALIT	Jul-17	6,069,612	-	-	-	-	-
17	T16051	16824	SDGE MAINFRAME CAPACITY UPGRADE AND HW	Jul-17	3,097,636	-	-	-	-	-
18	T16030	16819	SDGE PRIVATE NETWORK REFRESH PHASE 2	Jul-17	3,316,210	-	-	-	-	-
19	BSDG18	03851	SOL SERVER 2016 ENTERPRISE ENVIRONMENT	Jul-17	1,653,218	-	-	-	-	-
20	SG1409	14861	DRMS PH1 - SW REF 2	Aug-17	-	3,377,349	-	-	-	-
21	T16026	16813	E&FP 2016 CAISO MANDATES	Aug-17	-	933,402	-	-	-	-
22	T16055	16829	EMERGENCY FIELD COMMUNICATION SERVICES	Aug-17	-	2,103,185	-	-	-	-
23	BSDG01	16877	IS CIP COMPLIANCE MANAGEMENT	Aug-17	-	932,430	-	-	-	-
24	T15060	15813/15814	METER DATA SETTLEMENT & PRICING (MDSP)	Aug-17	-	2,515,795	-	-	-	-
25	T16050	16829	SDGE ENHANCED MOBILE COMMAND TRAILER	Aug-17	-	505,251	-	-	-	-
26	T15088	15834	SDGE ENTERPRISE DESKTOP REFRESH	Aug-17	-	10,397,835	-	-	-	-
27	T14038	15811	DASR SYSTEM UPGRADE	Sep-17	-	-	3,383,986	-	-	-
28	T16029	16823	DIIS PHASE 4	Sep-17	-	-	891,093	-	-	-
29	T16042	16811	FIELD SERVICES REPLACEMENT SERVICE	Sep-17	-	-	793,199	-	-	-
30	T16027	16811	MY ACCOUNT RELIABILITY AND SIR BUNDLED	Sep-17	-	-	3,444,625	-	-	-
31	T16053	16811	WAN LIFE CYCLE EXTENSION 2016	Sep-17	-	-	2,913,583	-	-	-
32	T13004	00813/13814	TRANS & SUBSTN INTEGRATION (TSPI) PHASE 2B	Oct-17	-	-	-	2,176,047	-	-
33	BSDG10	03850	BRANCH OFFICE KIOSK REPLACEMENT	Nov-17	-	-	-	-	998,185	-
34	BSDG04	03849	IVR PROJECT	Nov-17	-	-	-	-	656,240	-
35	BSDG03	03849	KANA ENHANCEMENTS AND ONLINE TRAINING	Nov-17	-	-	-	-	1,368,842	-
36	T16040	16831	SORT EXTENSION RELEASE 1 & 2	Nov-17	-	-	-	-	2,628,570	-
37	BSDG09	03851	BUSINESS PROCESS MANAGEMENT (BPM) AUTOMA	Dec-17	-	-	-	-	-	3,473,684
38	T16047	16831	CENTRALIZED CALCULATION ENGINE (CCE) PHASE 3	Dec-17	-	-	-	-	-	3,190,488
39	N/A	03851	CIS2	Dec-17	-	-	-	-	-	6,000,000
40	T16035	16813	CMP-SAP ENHANCEMENT	Dec-17	-	-	-	-	-	1,912,204
41	T16046	16833	E&FP ALLEGRO TECHNOLOGY UPGRADE	Dec-17	-	-	-	-	-	2,587,590
42	BSDG21	03849	GRC PH2 - ADAPTIVE STREET LIGHTS	Dec-17	-	-	-	-	-	1,476,682
43	T15080	15827	SCADA RADIO REPLACEMENT & EXPANSION	Dec-17	-	-	-	-	-	11,702,847
44	BSDG17	03851	SDG&E DATA WAREHOUSE AND HADOOP PLATFORM	Dec-17	-	-	-	-	-	1,002,474
45	T17001	17827	SDGE 2017 NW DC & COLLAB SMALL CAP	Dec-17	-	-	-	-	-	503,708
46	BSDG07	00833	SDGE GIS MOBILE	Dec-17	-	-	-	-	-	2,000,000
47	T14048	15827	SDGE OUT OF BAND MGMT	Dec-17	-	-	-	-	-	1,958,228
48	T16028	16871	SMART METER NETWORK DEVICES	Dec-17	-	-	-	-	-	1,058,849
49	BSDG05	03851	UNMANNED AERIAL SYSTEM (UAS) ANALYTICS	Dec-17	-	-	-	-	-	1,370,853
50	BSDG42	03851	TSPI PHASE 3 (FOP310)	Jan-18	-	-	-	-	-	-

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Line No	Project ID	Budget Code	Description	In Service Date	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
51	T15084	15831/15832	SMART METER SYSTEMS UPGRADE	Feb-18	-	-	-	-	-	-
52	BSDG63	03845	SDGE FIELD AREA NETWORKS VOICE & DISPATCH	Mar-18	-	-	-	-	-	-
53	BSDG13	03845	SDGE PRIVATE NETWORK EXPANSION & REFRESH	Apr-18	-	-	-	-	-	-
54	T15082	15827	SDGE TRANS COMM RELIABILITY IMPROVEMENT	Apr-18	-	-	-	-	-	-
55	BSDG26	03845	NOC MODERNIZATION	May-18	-	-	-	-	-	-
56	T16039	16811/16812	OPTIMAL CUSTOMER BILL REFRESH OPTION	May-18	-	-	-	-	-	-
57	BSDG27	03851	E&FP 2017 CAISO MANDATES	Jun-18	-	-	-	-	-	-
58	BSDG02	03849	PROPNISITY TO PAY	Jun-18	-	-	-	-	-	-
59	BSDG06	00831	SDGE.COM AND MOBILE APP REFRESH	Jun-18	-	-	-	-	-	-
60	T16034	16832	SMART METER NETWORK ENHANCEMENT	Jun-18	-	-	-	-	-	-
61	T15067	15833	POWERWORKZ UPGRADE	Jul-18	-	-	-	-	-	-
62	T17002	17811	RESIDENTIAL TOU PILOT RELEASE 1	Jul-18	-	-	-	-	-	-
63	T16054	16811	GRC PHASE II	Sep-18	-	-	-	-	-	-
64	T16045	16813/16814	SDGE WORK MANAGEMENT ENHANCEMENTS	Sep-18	-	-	-	-	-	-
65	SG1412	14860	DISTRIBUTED ENERGY RESOURCE MGMT (DERMS)	Dec-18	-	-	-	-	-	-
66	BSDG14	03845	DOWNTOWN SCADA COMMUNICATIONS	Dec-18	-	-	-	-	-	-
67	T17003	17833	IDEA 151 - ET & SUBSTATION PROJ LIFECYCLE	Dec-18	-	-	-	-	-	-
68	BSDG16	03851	MODERNIZING OUTAGE REPORTING (MOR)	Dec-18	-	-	-	-	-	-
69	BSDG94	03851	SDGE MS SYSTEMS UPGRADE PH1	Dec-18	-	-	-	-	-	-
70	BSDG22	03845	SDGE TRANS COMM RELIABILITY ENHANCEMENT	Dec-18	-	-	-	-	-	-
71										
72										
73										
74										
75										
76										
77										
78										
79										
80			TOTAL COMMON PLANT - IT		\$ 23,004,493	\$ 20,765,247	\$ 11,426,426	\$ 2,176,047	\$ 5,651,837	\$ 38,237,607
81	N/A	16245	METEOROLOGY FIRE BEHAVIOR PH 1	Jan-17	-	-	-	-	-	-
82	N/A	16244	METEOROLOGY OUTAGE PREDICT PH 1	Jan-17	-	-	-	-	-	-
83	SG1407	14859	SMART GRID ANALYTICS WEATHER NORMALIZING	Jan-17	-	-	-	-	-	-
84	N/A	15242	LOADSEER INTEGRATION CAPACITY	Mar-17	-	-	-	-	-	-
85										
86										
87										
88										
89										
90										
91										
92										
93										
94										
95										
96										
97										
98										
99			TOTAL ELECTRIC MISCELLANEOUS INTANGIBLE PLANT - IT		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100			GRAND TOTAL COMMON AND ELECTRIC MISCELLANEOUS INTANGIBLE PLANT - IT		\$ 23,004,493	\$ 20,765,247	\$ 11,426,426	\$ 2,176,047	\$ 5,651,837	\$ 38,237,607

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Line No	Project ID	Budget Code	Description	In Service Date	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
1	T16043	16834	ADVANCED ANALYTICS FOUNDATION	Feb-17	\$	-	-	-	-	-
2	T15073	16813	GOPA PHASE 3	Feb-17	-	-	-	-	-	\$
3	T16022	16827	ITOT & IS SMALL CAP	Feb-17	-	-	-	-	-	-
4	T15061	15810	POWERPLAN'S REIMBURSABLES & REFUNDS (CAC)	Feb-17	-	-	-	-	-	-
5	N/A	15833	SDGE M5 SYSTEM UPGRADE	Feb-17	-	-	-	-	-	-
6	T16041	16834	SORT MDT TECHNOLOGY	Feb-17	-	-	-	-	-	-
7	T16024	16834	20162017 SDGE MDT TECHNOLOGY OBSOLESCENCE	Mar-17	-	-	-	-	-	-
8	SG1502	15869	SMART GRID ENDPOINT PROTECTION	Mar-17	-	-	-	-	-	-
9	T16025	16831	IDS BILLING ENHANCEMENT	Apr-17	-	-	-	-	-	-
10	T16037	16811.1	RESIDENTIAL RATE REFORM (RROI/RDOW)	Apr-17	-	-	-	-	-	-
11	T15086	15813	POWERPLAN'S REG MGMT SOL FOR FERC TRANS	Jun-17	-	-	-	-	-	-
12	T16048	16811	RULE 32 DIRECT PARTICIPATION	Jun-17	-	-	-	-	-	-
13	T16021	16833	ADV DISTR MGMT SYS PHASE 3 (ADMS)	Jul-17	-	-	-	-	-	-
14	T16036	16811	CUSTOMER AUTHORIZATION	Jul-17	-	-	-	-	-	-
15	T16031	16875	NETWORK ANOMALY DETECTION PHASE 3	Jul-17	-	-	-	-	-	-
16	T16033	16811/16812.1	POWER YOUR DRIVE/ENTERPRISE FUNCTIONALIT	Jul-17	-	-	-	-	-	-
17	T16051	16824	SDGE MAINFRAME CAPACITY UPGRADE AND HW	Jul-17	-	-	-	-	-	-
18	T16030	16819	SDGE PRIVATE NETWORK REFRESH PHASE 2	Jul-17	-	-	-	-	-	-
19	BSDG18	03851	SOL SERVER 2016 ENTERPRISE ENVIRONMENT	Jul-17	-	-	-	-	-	-
20	SG1409	14861	DRMS PH1 - SW REF 2	Aug-17	-	-	-	-	-	-
21	T16026	16813	E&FP 2016 CAISO MANDATES	Aug-17	-	-	-	-	-	-
22	T16055	16829	EMERGENCY FIELD COMMUNICATION SERVICES	Aug-17	-	-	-	-	-	-
23	BSDG01	16877	IS CIP COMPLIANCE MANAGEMENT	Aug-17	-	-	-	-	-	-
24	T15060	15813/15814	METER DATA SETTLEMENT & PRICING (MDSIP)	Aug-17	-	-	-	-	-	-
25	T16050	16829	SDGE ENHANCED MOBILE COMMAND TRAILER	Aug-17	-	-	-	-	-	-
26	T15088	15834	SDGE ENTERPRISE DESKTOP REFRESH	Aug-17	-	-	-	-	-	-
27	T14038	15811	DASR SYSTEM UPGRADE	Sep-17	-	-	-	-	-	-
28	T16029	16823	DIIS PHASE 4	Sep-17	-	-	-	-	-	-
29	T16042	16811	FIELD SERVICES REPLACEMENT SERVICE	Sep-17	-	-	-	-	-	-
30	T16027	16811	MY ACCOUNT RELIABILITY AND SIR BUNDLED	Sep-17	-	-	-	-	-	-
31	T16053	16834	WAN LIFE CYCLE EXTENSION 2016	Sep-17	-	-	-	-	-	-
32	T13004	00813/13814	TRANS & SUBSTN INTEGRATION (TSPI) PHASE 2B	Oct-17	-	-	-	-	-	-
33	BSDG10	03850	BRANCH OFFICE KIOSK REPLACEMENT	Nov-17	-	-	-	-	-	-
34	BSDG04	03849	IVR PROJECT	Nov-17	-	-	-	-	-	-
35	BSDG03	03849	KANA ENHANCEMENTS AND ONLINE TRAINING	Nov-17	-	-	-	-	-	-
36	T16040	16831	SORT EXTENSION RELEASE 1 & 2	Nov-17	-	-	-	-	-	-
37	BSDG09	03851	BUSINESS PROGRESS MANAGEMENT (BPM) AUTOMA	Dec-17	-	-	-	-	-	-
38	T16047	16831	CENTRALIZED CALCULATION ENGINE (CCE) PHASE 3	Dec-17	-	-	-	-	-	-
39	N/A	03851	CIS2	Dec-17	-	-	-	-	-	-
40	T16035	16813	CMP-SAP ENHANCEMENT	Dec-17	-	-	-	-	-	-
41	T16046	16833	E&FP ALLEGRO TECHNOLOGY UPGRADE	Dec-17	-	-	-	-	-	-
42	BSDG21	03849	GRC PH2 - ADAPTIVE STREET LIGHTS	Dec-17	-	-	-	-	-	-
43	T15080	15827	SCADA RADIO REPLACEMENT & EXPANSION	Dec-17	-	-	-	-	-	-
44	BSDG17	03851	SDG&E DATA WAREHOUSE AND HADOOP PLATFORM	Dec-17	-	-	-	-	-	-
45	T17001	17827	SDGE 2017 NW DC & COLLAB SMALL CAP	Dec-17	-	-	-	-	-	-
46	BSDG07	00833	SDGE GIS MOBILE	Dec-17	-	-	-	-	-	-
47	T14048	15827	SDGE OUT OF BAND MGMT	Dec-17	-	-	-	-	-	-
48	T16028	16871	SMART METER NETWORK DEVICES	Dec-17	-	-	-	-	-	-
49	BSDG05	03851	UNMANNED AERIAL SYSTEM (UAS) ANALYTICS	Dec-17	-	-	-	-	-	-
50	BSDG42	03851	TSPI PHASE 3 (FOF310)	Jan-18	2,530,341	-	-	-	-	-

San Diego Gas and Electric Company
Common and Electric Miscellaneous Intangible Plant Additions (IT)
January 2017 - December 2018

Line No	Project ID	Budget Code	Description	In Service Date	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
51	T15064	15831/15832	SMART METER SYSTEMS UPGRADE	Feb-18	-	6,339,681	-	-	-	-
52	BSDG63	03845	SDGE FIELD AREA NETWORKS VOICE & DISPATCH	Mar-18	-	-	9,718,918	-	-	-
53	BSDG13	03845	SDGE PRIVATE NETWORK EXPANSION & REFRESH	Apr-18	-	-	-	3,353,833	-	-
54	T15082	15827	SDGE TRANSP COMM RELIABILITY IMPROVEMENT	Apr-18	-	-	-	30,235,574	-	-
55	BSDG26	03845	NOC MODERNIZATION	May-18	-	-	-	-	3,656,243	-
56	T16039	16811/16812	OPTIMAL CUSTOMER BILL REFRESH OPTION	May-18	-	-	-	-	2,146,149	-
57	BSDG27	03851	E&FP 2017 CAISO MANDATES	Jun-18	-	-	-	-	-	1,191,627
58	BSDG02	03849	PROPENSITY TO PAY	Jun-18	-	-	-	-	-	1,959,322
59	BSDG06	00831	SDGE.COM AND MOBILE APP REFRESH	Jun-18	-	-	-	-	-	1,938,608
60	T16034	16832	SMART METER NETWORK ENHANCEMENT	Jun-18	-	-	-	-	-	3,381,955
61	T15067	15833	POWERWORKZ UPGRADE	Jul-18	-	-	-	-	-	-
62	T17002	17811	RESIDENTIAL TOU PILOT RELEASE 1	Jul-18	-	-	-	-	-	-
63	T16054	16811	GRC PHASE II	Sep-18	-	-	-	-	-	-
64	T16045	16813/16814	SDGE WORK MANAGEMENT ENHANCEMENTS	Sep-18	-	-	-	-	-	-
65	SG1412	14860	DISTRIBUTED ENERGY RESOURCE MGMT (DERMS)	Dec-18	-	-	-	-	-	-
66	BSDG14	03845	DOWNTOWN SCADA COMMUNICATIONS	Dec-18	-	-	-	-	-	-
67	T17003	17833	IDEA 151 - ET & SUBSTATION PROJ LIFECYCLE	Dec-18	-	-	-	-	-	-
68	BSDG16	03851	MODERNIZING OUTAGE REPORTING (MOR)	Dec-18	-	-	-	-	-	-
69	BSDG94	03851	SDGE M5 SYSTEMS UPGRADE PH1	Dec-18	-	-	-	-	-	-
70	BSDG22	03845	SDGE TRANS COMM RELIABILITY ENHANCEMENT	Dec-18	-	-	-	-	-	-
71										
72										
73										
74										
75										
76										
77										
78										
79										
80			TOTAL COMMON PLANT - IT		\$ 2,530,341	\$ 6,339,681	\$ 9,718,918	\$ 33,589,407	\$ 5,802,392	\$ 8,471,512
81	N/A	16245	METEOROLOGY FIRE BEHAVIOR PH 1	Jan-17	-	-	-	-	-	-
82	N/A	16244	METEOROLOGY OUTAGE PREDICT PH 1	Jan-17	-	-	-	-	-	-
83	SG1407	14859	SMART GRID ANALYTICS WEATHER NORMALIZING	Jan-17	-	-	-	-	-	-
84	N/A	15242	LOADSEER INTEGRATION CAPACITY	Mar-17	-	-	-	-	-	-
85										
86										
87										
88										
89										
90										
91										
92										
93										
94										
95										
96										
97										
98										
99			TOTAL ELECTRIC MISCELLANEOUS INTANGIBLE PLANT - IT		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100			GRAND TOTAL COMMON AND ELECTRIC MISCELLANEOUS INTANGIBLE PLANT - IT		\$ 2,530,341	\$ 6,339,681	\$ 9,718,918	\$ 33,589,407	\$ 5,802,392	\$ 8,471,512

San Diego Gas and Electric Company
Common and Electric Miscellaneous Intangible Plant Additions (IT)
January 2017 - December 2018

Line No	Project ID	Budget Code	Description	In Service Date	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total	Line No
1	T16043	16834	ADVANCED ANALYTICS FOUNDATION	Feb-17	\$	-	\$	-	-	-	\$ 1,012,564	1
2	T15073	15813	GOPA PHASE 3	Feb-17	-	-	-	-	-	-	\$ 1,953,897	2
3	T16022	16827	ITOT & IS SMALL CAP	Feb-17	-	-	-	-	-	-	\$ 336,782	3
4	T15061	15810	POWERPLAN'S REIMBURSABLES & REFUNDS (CAC)	Feb-17	-	-	-	-	-	-	\$ 2,550,871	4
5	N/A	15833	SDGE M5 SYSTEM UPGRADE	Feb-17	-	-	-	-	-	-	\$ 315,057	5
6	T16041	16834	SORT MDT TECHNOLOGY	Feb-17	-	-	-	-	-	-	\$ 268,557	6
7	T16024	16834	2016/2017 SDGE MDT TECHNOLOGY OBSOLESCENCE	Mar-17	-	-	-	-	-	-	\$ 1,202,668	7
8	SG1502	15869	SMART GRID ENDPOINT PROTECTION	Mar-17	-	-	-	-	-	-	\$ 1,379,284	8
9	T16025	16831	IDS BILLING ENHANCEMENT	Apr-17	-	-	-	-	-	-	\$ 1,473,561	9
10	T16037	16811.1	RESIDENTIAL RATE REFORM (RROR/RDW)	Apr-17	-	-	-	-	-	-	\$ 1,766,125	10
11	T16086	15813	POWERPLANS REG MGMT SOL FOR FERC TRANS	Jun-17	-	-	-	-	-	-	\$ 3,320,726	11
12	T16048	16811	RULE 32 DIRECT PARTICIPATION	Jun-17	-	-	-	-	-	-	\$ 1,887,059	12
13	T16021	16833	ADV DISTR MGMT SYS PHASE 3 (ADMIS)	Jul-17	-	-	-	-	-	-	\$ 4,590,711	13
14	T16036	16811	CUSTOMER AUTHORIZATION	Jul-17	-	-	-	-	-	-	\$ 2,531,666	14
15	T16031	16875	NETWORK ANOMALY DETECTION PHASE 3	Jul-17	-	-	-	-	-	-	\$ 1,745,440	15
16	T16033	16811/16812.1	POWER YOUR DRIVE/ENTERPRISE FUNCTIONALIT	Jul-17	-	-	-	-	-	-	\$ 6,063,612	16
17	T16051	16824	SDGE MAINFRAME CAPACITY UPGRADE AND HW	Jul-17	-	-	-	-	-	-	\$ 3,097,636	17
18	T16030	16819	SDGE PRIVATE NETWORK REFRESH PHASE 2	Jul-17	-	-	-	-	-	-	\$ 3,316,210	18
19	BSDG18	03851	SOL SERVER 2016 ENTERPRISE ENVIRONMENT	Jul-17	-	-	-	-	-	-	\$ 1,653,218	19
20	SG1409	14861	DRMS PHT - SW REF 2	Aug-17	-	-	-	-	-	-	\$ 3,377,349	20
21	T16026	16813	E&FP 2016 CAISO MANDATES	Aug-17	-	-	-	-	-	-	\$ 933,402	21
22	T16055	16829	EMERGENCY FIELD COMMUNICATION SERVICES	Aug-17	-	-	-	-	-	-	\$ 2,103,185	22
23	BSDG01	16877	IS CIP COMPLIANCE MANAGEMENT	Aug-17	-	-	-	-	-	-	\$ 932,430	23
24	T15060	15813/15814	METER DATA SETTLEMENT & PRICING (MDSP)	Aug-17	-	-	-	-	-	-	\$ 2,515,795	24
25	T16050	16829	SDGE ENHANCED MOBILE COMMAND TRAILER	Aug-17	-	-	-	-	-	-	\$ 505,251	25
26	T15088	15834	SDGE ENTERPRISE DESKTOP REFRESH	Aug-17	-	-	-	-	-	-	\$ 10,397,835	26
27	T14038	15811	DASR SYSTEM UPGRADE	Sep-17	-	-	-	-	-	-	\$ 3,383,986	27
28	T16029	16823	DIIS PHASE 4	Sep-17	-	-	-	-	-	-	\$ 891,093	28
29	T16042	16811	FIELD SERVICES REPLACEMENT SERVICE	Sep-17	-	-	-	-	-	-	\$ 793,139	29
30	T16027	16811	MY ACCOUNT RELIABILITY AND SIR BUNDLED	Sep-17	-	-	-	-	-	-	\$ 3,444,625	30
31	T16053	16834	WAN LIFE CYCLE EXTENSION 2016	Sep-17	-	-	-	-	-	-	\$ 2,913,583	31
32	T13004	00813/13814	TRANS & SUBSTN INTEGRATION (TSPI) PHASE 2B	Oct-17	-	-	-	-	-	-	\$ 2,176,047	32
33	BSDG10	03850	BRANCH OFFICE KIOSK REPLACEMENT	Nov-17	-	-	-	-	-	-	\$ 998,185	33
34	BSDG04	03849	IVR PROJECT	Nov-17	-	-	-	-	-	-	\$ 656,240	34
35	BSDG03	03849	KANA ENHANCEMENTS AND ONLINE TRAINING	Nov-17	-	-	-	-	-	-	\$ 1,366,842	35
36	T16040	16831	SORT EXTENSION RELEASE 1 & 2	Nov-17	-	-	-	-	-	-	\$ 2,628,570	36
37	BSDG09	03851	BUSINESS PROCESS MANAGEMENT (BPM) AUTOMA	Dec-17	-	-	-	-	-	-	\$ 3,473,684	37
38	T16047	16831	CENTRALIZED CALCULATION ENGINE (CCE) PHASE 3	Dec-17	-	-	-	-	-	-	\$ 3,190,488	38
39	N/A	03851	CIS2	Dec-17	-	-	-	-	-	-	\$ 6,000,000	39
40	T16035	16813	CMP SAP ENHANCEMENT	Dec-17	-	-	-	-	-	-	\$ 1,912,204	40
41	T16046	16833	E&FP ALLEGRO TECHNOLOGY UPGRADE	Dec-17	-	-	-	-	-	-	\$ 2,587,590	41
42	BSDG21	03849	GRC PH2 - ADAPTIVE STREET LIGHTS	Dec-17	-	-	-	-	-	-	\$ 1,476,682	42
43	T15080	15827	SCADA RADIO REPLACEMENT & EXPANSION	Dec-17	-	-	-	-	-	-	\$ 11,702,847	43
44	BSDG17	03851	SDG&E DATA WAREHOUSE AND HADOOP PLATFORM	Dec-17	-	-	-	-	-	-	\$ 1,002,474	44
45	T17001	17827	SDGE 2017 NW DC & COLLAB SMALL CAP	Dec-17	-	-	-	-	-	-	\$ 503,708	45
46	BSDG07	08833	SDGE GIS MOBILE	Dec-17	-	-	-	-	-	-	\$ 2,000,000	46
47	T14048	15827	SDGE OUT OF BAND MGMT	Dec-17	-	-	-	-	-	-	\$ 1,958,228	47
48	T16028	16871	SMART METER NETWORK DEVICES	Dec-17	-	-	-	-	-	-	\$ 1,058,849	48
49	BSDG05	03851	UNMANNED AERIAL SYSTEM (UAS) ANALYTICS	Dec-17	-	-	-	-	-	-	\$ 1,370,853	49
50	BSDG42	03851	TSPI PHASE 3 (FOF310)	Jan-18	-	-	-	-	-	-	\$ 2,530,341	50

San Diego Gas and Electric Company
Common and Electric Miscellaneous Intangible Plant Additions (IT)
January 2017 - December 2018

Line No	Project ID	Budget Code	Description	In Service Date	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total	Line No
51	T15064	15831/15832	SMART METER SYSTEMS UPGRADE	Feb-18	-	-	-	-	-	-	\$ 6,339,681	51
52	BSDG63	03845	SDGE FIELD AREA NETWORKS VOICE & DISPATCH	Mar-18	-	-	-	-	-	-	\$ 9,718,918	52
53	BSDG13	03845	SDGE PRIVATE NETWORK EXPANSION & REFRESH	Apr-18	-	-	-	-	-	-	\$ 3,353,833	53
54	T15082	15827	SDGE TRANS COMM RELIABILITY IMPROVEMENT	Apr-18	-	-	-	-	-	-	\$ 30,235,574	54
55	BSDG26	03845	NOC MODERNIZATION	May-18	-	-	-	-	-	-	\$ 3,656,243	55
56	T16039	16811/16812	OPTIMAL CUSTOMER BILL REFRESH OPTION	May-18	-	-	-	-	-	-	\$ 2,146,149	56
57	BSDG27	03851	E&P 2017 CAISO MANDATES	Jun-18	-	-	-	-	-	-	\$ 1,191,627	57
58	BSDG02	03849	PROFICIENCY TO PAY	Jun-18	-	-	-	-	-	-	\$ 1,959,322	58
59	BSDG06	00831	SDGE COM AND MOBILE APP REFRESH	Jun-18	-	-	-	-	-	-	\$ 1,938,608	59
60	T16034	16832	SMART METER NETWORK ENHANCEMENT	Jun-18	-	-	-	-	-	-	\$ 3,381,955	60
61	T15087	15833	POWERWORK UPGRADE	Jul-18	4,187,433	-	-	-	-	-	\$ 4,187,433	61
62	T17002	17811	RESIDENTIAL TOU PILOT RELEASE 1	Jul-18	15,638,348	-	-	-	-	-	\$ 15,638,348	62
63	T16054	16811	GRG PHASE II	Sep-18	-	-	11,708,384	-	-	-	\$ 11,708,384	63
64	T16045	16813/16814	SDGE WORK MANAGEMENT ENHANCEMENTS	Sep-18	-	-	15,038,932	-	-	-	\$ 15,038,932	64
65	SG1412	14860	DISTRIBUTED ENERGY RESOURCE MGMT (DERMS)	Dec-18	-	-	-	-	-	7,496,535	\$ 7,496,535	65
66	BSDG14	03845	DOWNTOWN SCADA COMMUNICATIONS	Dec-18	-	-	-	-	-	6,814,537	\$ 6,814,537	66
67	T17003	17833	IDEA 151 - ET & SUBSTATION PRO LIFECYCLE	Dec-18	-	-	-	-	-	2,218,209	\$ 2,218,209	67
68	BSDG16	03851	MODERNIZING OUTAGE REPORTING (MOR)	Dec-18	-	-	-	-	-	5,010,860	\$ 5,010,860	68
69	BSDG94	03851	SDGE M5 SYSTEMS UPGRADE PH1	Dec-18	-	-	-	-	-	3,762,598	\$ 3,762,598	69
70	BSDG22	03845	SDGE TRANS COMM RELIABILITY ENHANCEMENT	Dec-18	-	-	-	-	-	23,468,053	\$ 23,468,053	70
71											\$ -	71
72											\$ -	72
73											\$ -	73
74											\$ -	74
75											\$ -	75
76											\$ -	76
77											\$ -	77
78											\$ -	78
79											\$ -	79
80			TOTAL COMMON PLANT - IT		\$ 19,825,781	\$ -	\$ 26,747,316	\$ -	\$ -	\$ 48,770,792	\$ 280,524,948	80
81	N/A	16245	METEOROLOGY FIRE BEHAVIOR PH 1	Jan-17	-	-	-	-	-	-	\$ 654,198	81
82	N/A	16244	METEOROLOGY OUTAGE PREDICT PH 1	Jan-17	-	-	-	-	-	-	\$ 740,589	82
83	SG1407	14859	SMART GRID ANALYTICS WEATHER NORMALIZING	Jan-17	-	-	-	-	-	-	\$ 86,435	83
84	N/A	15242	LOADSEER INTEGRATION CAPACITY	Mar-17	-	-	-	-	-	-	\$ 1,673,858	84
85											\$ -	85
86											\$ -	86
87											\$ -	87
88											\$ -	88
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93											\$ -	93
94											\$ -	94
95											\$ -	95
96											\$ -	96
97											\$ -	97
98											\$ -	98
99			TOTAL ELECTRIC MISCELLANEOUS INTANGIBLE PLANT - IT		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,155,080	99
100			GRAND TOTAL COMMON AND ELECTRIC MISCELLANEOUS INTANGIBLE PLANT - IT		\$ 19,825,781	\$ -	\$ 26,747,316	\$ -	\$ -	\$ 48,770,792	\$ 283,680,028	100

San Diego Gas & Electric Company

TO4 - Cycle 5

**Base Period
&
True-Up Period**

**Summary of Primary
Sunrise Expenses**

Docket No. ER18-____-____

San Diego Gas & Electric Company
Summary of Primary Sunrise Expenses in the TO4 Cycle 5 Base Period (2016)

Line No.	Description	Transmission 2016 Base Period Costs (\$Millions)	Reference	Line No.
1	<u>A. Plant as of Dec. 31, 2016</u>			1
2				2
3	Total Sunrise Capital Expenditures as of Dec, 31, 2016 ¹	<u>\$ 1,831.9</u>		3
4				4
5	Sunrise plant embedded in total transmission plant in Statement AD	<u>\$ 1,740.0</u>		5
6				6
7	<u>B. Other primary transmission expenses incurred in 2016</u>			7
8				8
9	Sunrise maintenance post construction environmental permitting costs	\$ 0.9		9
10				10
11	Sunrise maintenance post construction on going environmental costs	<u>3.9</u>		11
12			Line 9 + Line 11	12
13	Total Sunrise post construction environmental costs	\$ 4.7	Stmt AH, WP Pg AH-1, Ln 52, footnote 2	13
14				14
15	Fire mitigation expense	3.3	Stmt AH, WP Pg AH-1, Ln 50, footnote 1	15
16				16
17	Sunrise annual depreciation expense	28.1	Recorded per books	17
18				18
19	Approximate Sunrise property taxes	<u>15.2</u>		19
20				20
21	Annual 2016 Sunrise transmission expenses	<u>\$ 51.4</u>	Sum lines 13 thru 19	21

¹ Includes Citizens lease, removal costs, and communication equipment recorded under general plant.