

San Diego Gas & Electric Company

Volume - 3

TO4 - Cycle 5

Wholesale True-Up Adjustment Report; Retail and Wholesale True-Up Adjustment and Interest True-Up Adjustment Calculations

November 30, 2017

Docket No. ER18- -

San Diego Gas & Electric Company

Volume - 3

TO4 - Cycle 5

Wholesale True-Up Adjustment Report; Retail and Wholesale True-Up Adjustment and Interest True-Up Adjustment Calculations

November 30, 2017

Docket No. ER18- -

San Diego Gas & Electric Company Derivation of Retail True-Up Adjustment

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San Diego Gas & Electric Company

True-Up Period

Statement – BG

Revenue Data to Reflect Changed Rates

Docket No. ER18-____ - ____

Statement BG
SAN DIEGO GAS & ELECTRIC COMPANY
Transmission Revenues Data to Reflect Changed Rates
Comparison of Revenues
Recorded Billing Determinants

Line No.	Customer Classes	(a) Transmission Revenues @ Proposed Rates	(b) True-Up Period Total Cost of Service	(c) = (a) - (b) (\$) Change	(d) = (c)/(a) (%) Change	Reference	Line No.
1	Residential	\$ 291,390,273	\$ 291,390,273	\$ -	0.00%	(a) Page 2.2; Line 1	1
2						(b) Statement BL- Retail TU; Page 2; Line 4	2
3	Small Commercial	72,472,734	72,472,734	-	0.00%	(a) Page 2.2; Line 3	3
4						(b) Statement BL- Retail TU; Page 2; Line 5	4
5	Medium & Large Commercial/Industrial	300,311,550	300,311,550	-	0.00%	(a) Page 2.2; Line 5	5
6						(b) Statement BL- Retail TU; Page 2; Line 6	6
7	Agricultural	7,172,445	7,172,445	-	0.00%	(a) Page 2.2; Line 7	7
8						(b) Statement BL- Retail TU; Page 2; Line 7	8
9	Street Lighting	2,069,434	2,069,434	-	0.00%	(a) Page 2.2; Line 9	9
10						(b) Statement BL- Retail TU; Page 2; Line 8	10
11	Standby	10,734,982	10,734,982	-	0.00%	(a) Page 2.2; Line 11	11
12						(b) Statement BL- Retail TU; Page 2; Line 9	12
13	Grand Total	\$ 684,151,419	\$ 684,151,419	\$ -	0.00%	Sum Lines 1 through 11	13

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
 Derivation of Monthly Retail Cost of Service
Revenues for True-Up Period Using Retail Rates Developed in Statement BL
For True-Up Period January 1, 2016 - December 31, 2016

Line No.	Season Customer Class	(A)		(B)		(C)		(D)		(E)		(F)	
		Jan-16	Winter	Feb-16	Winter	Mar-16	Winter	Apr-16	Winter	May-16	Summer	Jun-16	Summer
1	Residential ¹	\$ 28,927,805		\$ 23,646,495		\$ 21,031,688		\$ 20,406,866		\$ 20,073,881		\$ 21,508,165	
2													
3	Small Commercial ²	5,167,126		4,413,469		5,785,551		4,901,200		5,661,107		6,042,773	
4													
5	Medium & Large Commercial/Industrial ³	21,112,003		18,779,683		27,361,235		23,451,903		22,571,580		24,543,644	
6													
7	Agricultural ⁴	546,060		519,588		495,631		620,172		484,926		565,989	
8													
9	Street Lighting ⁵	130,841		169,208		178,956		182,257		195,469		169,840	
10													
11	Standby ⁶	857,969		862,910		873,565		887,956		906,130		913,988	
12													
13	TOTAL	\$ 56,741,804		\$ 48,391,353		\$ 55,726,626		\$ 50,450,353		\$ 49,893,093		\$ 53,744,398	

NOTES:

- ¹ See Pages 3.1 & 3.2; Line 31.
- ² See Pages 3.1 & 3.2; Line 33.
- ³ See Pages 3.1 & 3.2; Line 40.
- ⁴ See Pages 3.1 & 3.2; Lines 42 and 43.
- ⁵ See Pages 3.1 & 3.2; Line 45.
- ⁶ See Pages 3.1 & 3.2; Line 47.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
 Derivation of Monthly Retail Cost of Service
Revenues for True-Up Period Using Retail Rates Developed in Statement BL
For True-Up Period January 1, 2016 - December 31, 2016

Line No.	Customer Class	(G)		(H)		(I)		(J)		(K)		(L)		(M)	Line No.
		Jul-16	Summer	Aug-16	Summer	Sep-16	Summer	Oct-16	Summer	Nov-16	Winter	Dec-16	Winter		
1	Residential ¹	\$ 26,117,653		\$ 30,360,369		\$ 27,232,155		\$ 25,264,331		\$ 22,499,632		\$ 24,321,233		\$ 291,390,273	1
2															2
3	Small Commercial ²	5,662,671		7,903,893		7,217,663		7,177,305		6,336,851		6,203,127		72,472,734	3
4															4
5	Medium & Large Commercial/Industrial ³	21,510,090		32,240,294		30,416,523		30,866,418		24,461,575		22,996,602		300,311,550	5
6															6
7	Agricultural ⁴	508,997		799,447		761,535		636,243		621,858		611,999		7,172,445	7
8															8
9	Street Lighting ⁵	184,093		131,680		183,288		229,827		185,235		128,739		2,069,434	9
10															10
11	Standby ⁶	914,399		905,010		905,026		901,439		895,708		910,882		10,734,982	11
12															12
13	TOTAL	\$ 54,897,902		\$ 72,340,694		\$ 66,716,190		\$ 65,075,563		\$ 55,000,859		\$ 55,172,583		\$ 684,151,419	13

NOTES:

- ¹ See Pages 3.1 & 3.2; Line 31.
- ² See Pages 3.1 & 3.2; Line 33.
- ³ See Pages 3.1 & 3.2; Line 40.
- ⁴ See Pages 3.1 & 3.2; Lines 42 and 43.
- ⁵ See Pages 3.1 & 3.2; Line 45.
- ⁶ See Pages 3.1 & 3.2; Line 47.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
 Derivation of Monthly Retail Cost of Service
 Revenues for True-Up Period Using Retail Rates Developed in Statement BL
 For True-Up Period January 1, 2016 - December 31, 2016

Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16	
		Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)
1	Residential	664,376,743	-	543,082,395	-	483,028,859	-	468,678,753	-	461,031,166	-	493,971,979	-
2	Small Commercial	148,879,527	-	127,164,547	-	166,698,110	-	141,217,454	-	163,112,520	-	174,109,414	-
3	Medium & Large Commercial/Industrial	747,841,029	11,143	649,817,813	10,406	993,225,866	12,746	792,514,297	11,133	719,217,827	11,163	775,262,101	11,423
4	Non-Concident (100%)	-	1,898,047	-	1,687,595	-	2,465,510	-	2,109,441	-	1,828,381	-	1,963,421
5	Maximum On-Peak Period Demand	-	1,497,941	-	1,333,241	-	1,961,558	-	1,680,282	-	1,520,467	-	1,812,137
6	Maximum Demand at the Time of System Peak	-	61,580	-	62,829	-	164,553	-	95,027	-	97,819	-	92,628
7	Agricultural	4,817,571	5,690,443	5,690,443	5,690,443	6,216,244	6,006,906	6,006,906	7,400,513	7,400,513	8,665,392	8,665,392	
8	Schedule PA and TOL-PA	17,771,793	14,985,880	14,985,880	72,337	15,076,911	65,627	21,080,329	87,267	15,231,588	58,954	16,796,304	68,740
9	Schedule PA-T-1 - Non-Concident (100%)	-	-	6,639,143	-	7,021,029	-	7,151,148	-	7,669,521	-	6,663,933	-
10	Street Lighting	-	166,323	-	167,281	-	169,350	-	172,141	-	175,667	-	177,192
11	Standby	-	-	-	-	-	-	-	-	-	-	-	-
12	TOTAL	1,588,820,414	1,347,380,221	1,347,380,221	1,671,267,619	1,671,267,619	1,437,248,887	1,437,248,887	1,373,663,135	1,373,663,135	1,475,469,123	1,475,469,123	

NOTES: The above billing determinants are the recorded determinants from January 2016 through June 2016.

Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16	
		Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)
20	Residential ¹	\$ 0.0435413	\$	\$ 0.0435413	\$	\$ 0.0435413	\$	\$ 0.0435413	\$	\$ 0.0435413	\$	\$ 0.0435413	\$
21	Small Commercial ¹	\$ 0.0347068	\$	\$ 0.0347068	\$	\$ 0.0347068	\$	\$ 0.0347068	\$	\$ 0.0347068	\$	\$ 0.0347068	\$
22	Medium & Large Commercial/Industrial ¹	\$ 0.0218635	\$	\$ 0.0218635	\$	\$ 0.0218635	\$	\$ 0.0218635	\$	\$ 0.0218635	\$	\$ 0.0218635	\$
23	Non-Concident (90%)	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$
24	Maximum On-Peak Period Demand	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$
25	Maximum Demand at the Time of System Peak	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$
26	Agricultural	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$
27	Schedule PA and TOL-PA	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$
28	Street Lighting ¹	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$
29	Standby ¹	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$
30	TOTAL	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$	\$ 0.0254864	\$

¹ The changed rates information comes from the Summary of Rates in Statement BL, Page 1.

Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16	
		Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)
31	Residential	\$ 28,927,805	\$	\$ 23,646,495	\$	\$ 21,031,688	\$	\$ 20,406,866	\$	\$ 20,073,881	\$	\$ 21,508,165	\$
32	Small Commercial	\$ 5,167,126	\$	\$ 4,413,469	\$	\$ 5,785,551	\$	\$ 4,901,200	\$	\$ 5,661,107	\$	\$ 6,042,773	\$
33	Medium & Large Commercial/Industrial	\$ 131,942	\$	\$ 123,210	\$	\$ 150,926	\$	\$ 131,822	\$	\$ 132,176	\$	\$ 135,311	\$
34	Non-Concident (100%)	\$ 20,095,486	\$	\$ 17,864,954	\$	\$ 26,009,319	\$	\$ 22,313,215	\$	\$ 19,333,990	\$	\$ 20,761,801	\$
35	Maximum On-Peak Period Demand	\$ 850,493	\$	\$ 756,760	\$	\$ 1,109,988	\$	\$ 954,301	\$	\$ 2,888,910	\$	\$ 3,441,436	\$
36	Maximum Demand at the Time of System Peak	\$ 34,083	\$	\$ 34,761	\$	\$ 91,002	\$	\$ 52,566	\$	\$ 216,505	\$	\$ 205,095	\$
37	Agricultural	\$ 21,112,003	\$	\$ 18,779,683	\$	\$ 27,361,235	\$	\$ 23,451,903	\$	\$ 22,571,580	\$	\$ 24,543,644	\$
38	Schedule PA and TOL-PA	\$ 105,329	\$	\$ 124,413	\$	\$ 135,909	\$	\$ 144,450	\$	\$ 161,801	\$	\$ 189,455	\$
39	Schedule PA-T-1 - Non-Concident (100%)	\$ 440,731	\$	\$ 395,175	\$	\$ 359,723	\$	\$ 475,722	\$	\$ 323,125	\$	\$ 376,533	\$
40	Street Lighting	\$ 130,841	\$	\$ 169,208	\$	\$ 178,956	\$	\$ 182,257	\$	\$ 195,469	\$	\$ 169,840	\$
41	Standby	\$ 857,969	\$	\$ 862,910	\$	\$ 873,565	\$	\$ 887,956	\$	\$ 906,130	\$	\$ 913,988	\$
42	TOTAL	\$ 34,331,100	\$	\$ 28,353,585	\$	\$ 27,132,104	\$	\$ 25,634,773	\$	\$ 26,092,257	\$	\$ 27,910,234	\$
43	Grand Total	\$ 56,741,804	\$	\$ 48,391,353	\$	\$ 55,726,626	\$	\$ 50,450,353	\$	\$ 49,893,093	\$	\$ 53,744,398	\$

NOTES: The revenues above are derived by multiplying the forecast billing determinants by the rates, except for Med. & Lrg. C-I, Agricultural-PA-T-1-Non-Concident (100%), and Standby customers. The derivation of these revenues are shown on pages 4.1-4.2; 5.1-5.2; 6; and 7.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
Derivation of Monthly Retail Cost of Service
Revenues for True-Up Period Using Retail Rates Developed in Statement BL
For True-Up Period January 1, 2016- December 31, 2016

Line No.	Customer Classes	(G) Jul-16		(H) Aug-16		(I) Sep-16		(J) Oct-16		(K) Nov-16		(L) Dec-16		(M) Total	
		Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)
1	Residential	599,836,777	-	697,278,056	-	625,433,244	-	580,238,774	-	516,742,721	-	558,578,912	-	6,692,278,379	-
2	Small Commercial	163,157,585	-	227,733,551	-	207,961,309	-	206,798,491	-	182,582,629	-	178,729,672	-	2,088,144,809	-
3	Medium & Large Commercial/Industrial	707,139,305	12,547	1,014,533,341	13,594	980,710,494	15,789	961,502,662	14,150	848,179,563	13,313	788,985,281	11,788	9,978,929,579	149,195
4	Non-Coincident (100%)		1,718,317		2,580,593		2,437,617		2,464,921		2,192,988		2,070,219		25,417,050
5	Non-Coincident (90%)		1,585,595		2,402,083		2,283,344		2,324,410		1,873,922		1,632,938		21,907,817
6	Maximum On-Peak Period Demand		94,691		74,479		91,495		109,863		99,852		77,356		1,122,173
7	Maximum Demand at the Time of System Peak														
8	Agricultural	10,125,605	51,670	10,845,610	51,670	9,813,280	47,589	10,080,259	47,589	8,158,176	38,176	6,495,171	38,176	94,915,170	47,589
9	Schedule PA and TOL-PA	15,329,178	51,670	28,271,694	103,351	27,557,858	100,854	20,923,979	76,081	19,508,319	81,665	20,607,235	86,052	233,141,068	81,665
10	Schedule PA-T-1 - Non-Coincident (100%)														
11	Street Lighting	7,223,190	-	5,166,675	-	7,191,611	-	9,017,644	-	7,267,979	-	5,051,270	-	81,197,494	-
12	Standby		177,273		-		175,456		174,694		173,582		176,525		2,080,937
13	TOTAL	1,502,811,640		1,983,828,927		1,858,667,796		1,788,561,809		1,582,439,387		1,558,447,541		19,168,606,499	

NOTES: The above billing determinants are the recorded determinants from July 2016 through December 2016.

Line No.	Customer Classes	(G) Jul-16		(H) Aug-16		(I) Sep-16		(J) Oct-16		(K) Nov-16		(L) Dec-16		(M) Total	
		Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)
20	Residential ¹	\$ 0.0435413		\$ 0.0435413		\$ 0.0435413		\$ 0.0435413		\$ 0.0435413		\$ 0.0435413		\$ 0.0435413	
21	Small Commercial ¹	\$ 0.0347068		\$ 0.0347068		\$ 0.0347068		\$ 0.0347068		\$ 0.0347068		\$ 0.0347068		\$ 0.0347068	
22	Medium & Large Commercial/Industrial ¹	\$ 0.0218635		\$ 0.0218635		\$ 0.0218635		\$ 0.0218635		\$ 0.0218635		\$ 0.0218635		\$ 0.0218635	
23	Agricultural (Schedules PA and TOL-PA) ¹	\$ 0.0254864		\$ 0.0254864		\$ 0.0254864		\$ 0.0254864		\$ 0.0254864		\$ 0.0254864		\$ 0.0254864	
24	Street Lighting ¹														
25	Standby ¹														
26	TOTAL														

¹ The changed rates information comes from the Summary of Rates in Statement BL, Page 1.

Line No.	Customer Classes	(G) Jul-16		(H) Aug-16		(I) Sep-16		(J) Oct-16		(K) Nov-16		(L) Dec-16		(M) Total	
		Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)	Revenues @ Changed Rates Energy (kWh)	Demand (kW)
31	Residential	\$ 26,117,653		\$ 30,360,369		\$ 27,232,155		\$ 25,264,331		\$ 22,499,632		\$ 24,321,233		\$ 291,390,273	
32	Small Commercial	\$ 5,662,671		\$ 7,903,893		\$ 7,217,663		\$ 7,177,305		\$ 6,336,851		\$ 6,203,127		\$ 72,472,734	
33	Medium & Large Commercial/Industrial	\$ -	\$ 148,626	\$ -	\$ 186,762	\$ -	\$ 167,553	\$ -	\$ 157,645	\$ -	\$ 139,582	\$ -	\$ -	\$ -	\$ 1,766,585
34	Non-Coincident (100%)		\$ 18,144,381		\$ 27,343,857		\$ 26,045,659		\$ 23,185,957		\$ 21,888,044		\$ 21,888,044		\$ 268,690,468
35	Non-Coincident (90%)		\$ 3,007,531		\$ 4,570,455		\$ 4,323,398		\$ 4,110,096		\$ 3,926,170		\$ 3,926,170		\$ 48,302,284
36	Maximum On-Peak Period Demand		\$ 209,552		\$ 164,952		\$ 164,952		\$ 243,109		\$ 252,226		\$ 42,805		\$ 1,552,213
37	Maximum Demand at the Time of System Peak		\$ 21,510,090		\$ 32,240,294		\$ 30,416,523		\$ 30,866,418		\$ 24,461,575		\$ 22,996,602		\$ 300,311,550
38	Agricultural	\$ 221,381		\$ 237,123		\$ 214,552		\$ 220,389		\$ 178,366		\$ 142,007		\$ 2,075,174	
39	Schedule PA and TOL-PA	\$ 287,616		\$ 562,324		\$ 546,982		\$ 415,853		\$ 443,492		\$ 469,992		\$ 5,097,271	
40	Schedule PA-T-1 - Non-Coincident (100%)														
41	Street Lighting	\$ 184,093		\$ 131,680		\$ 183,288		\$ 229,827		\$ 185,235		\$ 128,739		\$ 2,069,434	
42	Standby	\$ 914,399		\$ 905,010		\$ 905,026		\$ 901,439		\$ 895,708		\$ 910,882		\$ 10,734,982	
43	TOTAL	\$ 32,185,797	\$ 22,712,105	\$ 38,633,065	\$ 33,707,629	\$ 34,847,659	\$ 31,868,532	\$ 32,891,853	\$ 32,183,710	\$ 29,200,084	\$ 25,800,775	\$ 30,795,106	\$ 24,377,477	\$ 368,007,616	\$ 316,143,803
44	Grand Total	\$ 54,897,902		\$ 72,340,694		\$ 66,716,190		\$ 65,075,563		\$ 55,000,859		\$ 55,172,583		\$ 684,151,419	

NOTES: The revenues above are derived by multiplying the forecast billing determinants by the rates, except for Med., C-1, Agricultural-PA-T-1, Non-Coincident (100%), and Standby customers. The derivation of these revenues are shown on pages 4.1-4.2; 5.1-5.2; 6; and 7.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
 Derivation of Monthly Retail Cost of Service
Revenues for True-Up Period Using Retail Rates Developed in Statement BL
For True-Up Period January 1, 2016 - December 31, 2016
Medium and Large Commercial & Industrial Customers

Line No.	Description	Winter	Winter	Winter	Winter	Summer	Summer	Summer	Summer	Line No.
		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16		
1	Energy Revenues									1
2	Commodity Sales - kWh	747,841,029	649,817,813	993,225,866	792,514,297	719,217,827	775,262,101	707,139,305		2
3	Commodity Rate - \$/kWh	-	-	-	-	-	-	-		3
4	Total Commodity Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		4
5										5
6	Non-Coincident Demand (100%) (kW) ¹:									6
7	Secondary	10,996	10,262	12,602	10,992	11,031	11,423	12,547		7
8	Primary	147	144	144	141	131	-	-		8
9	Transmission	-	-	-	-	-	-	-		9
10	Total	11,143	10,406	12,746	11,133	11,163	11,423	12,547		10
11	Check Figure	11,143	10,406	12,746	11,133	11,163	11,423	12,547		11
12	Difference	-	-	-	-	-	-	-		12
13										13
14	Non-Coincident Demand (100%) Rates (\$/kW):									14
15	Secondary	\$ 11,845,7844	\$ 11,845,7844	\$ 11,845,7844	\$ 11,845,7844	\$ 11,845,7844	\$ 11,845,7844	\$ 11,845,7844		15
16	Primary	\$ 11,438,4795	\$ 11,438,4795	\$ 11,438,4795	\$ 11,438,4795	\$ 11,438,4795	\$ 11,438,4795	\$ 11,438,4795		16
17	Transmission	\$ 11,387,5664	\$ 11,387,5664	\$ 11,387,5664	\$ 11,387,5664	\$ 11,387,5664	\$ 11,387,5664	\$ 11,387,5664		17
18	Non-Coincident Demand (100%) - Revenues:									18
19	Secondary	\$ 130,256	\$ 121,560	\$ 149,276	\$ 130,210	\$ 130,675	\$ 135,311	\$ 148,626		19
20	Primary	1,686	1,649	1,650	1,612	1,501	-	-		20
21	Transmission	-	-	-	-	-	-	-		21
22	Subtotal	\$ 131,942	\$ 123,210	\$ 150,926	\$ 131,822	\$ 132,176	\$ 135,311	\$ 148,626		22
23										23
24	Non-Coincident Demand (90%) (kW) ²:									24
25	Secondary	1,528,506	1,351,220	1,735,637	1,645,847	1,408,875	1,511,830	1,253,105		25
26	Primary	270,814	259,250	545,734	332,101	310,845	340,507	368,777		26
27	Transmission	98,728	77,124	184,139	131,492	108,661	111,084	96,436		27
28	Total	1,898,047	1,687,595	2,465,510	2,109,441	1,828,381	1,963,421	1,718,317		28
29	Check Figure	1,898,047	1,687,595	2,465,510	2,109,441	1,828,381	1,963,421	1,718,317		29
30	Difference	-	-	-	-	-	-	-		30
31										31
32	Non-Coincident Demand (90%) Rates (\$/kW):									32
33	Secondary	\$ 10,661,2060	\$ 10,661,2060	\$ 10,661,2060	\$ 10,661,2060	\$ 10,661,2060	\$ 10,661,2060	\$ 10,661,2060		33
34	Primary	\$ 10,294,6316	\$ 10,294,6316	\$ 10,294,6316	\$ 10,294,6316	\$ 10,294,6316	\$ 10,294,6316	\$ 10,294,6316		34
35	Transmission	\$ 10,248,8098	\$ 10,248,8098	\$ 10,248,8098	\$ 10,248,8098	\$ 10,248,8098	\$ 10,248,8098	\$ 10,248,8098		35
36	Non-Coincident Demand (90%) - Revenues:									36
37	Secondary	\$ 16,295,718	\$ 14,405,633	\$ 18,503,988	\$ 17,546,719	\$ 15,020,309	\$ 16,117,930	\$ 13,359,609		37
38	Primary	2,787,927	2,668,887	5,618,129	3,418,860	3,200,032	3,505,389	3,796,421		38
39	Transmission	1,011,841	790,433	1,887,202	1,347,635	1,113,649	1,138,482	988,351		39
40	Subtotal	\$ 20,095,486	\$ 17,864,954	\$ 26,009,319	\$ 22,313,215	\$ 19,333,990	\$ 20,761,801	\$ 18,144,381		40

NOTES:
 1 Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1.
 2 NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
 Derivation of Monthly Retail Cost of Service
Revenues for True-Up Period Using Retail Rates Developed in Statement BL
For True-Up Period January 1, 2016 - December 31, 2016
Medium and Large Commercial & Industrial Customers

Line No.	Description	Summer	Summer	Summer	Winter	Winter	Total		Reference	Line No.
		Aug-16	Sep-16	Oct-16	Nov-16	Dec-16				
1	Energy Revenues									
2	Commodity Sales - kWh	1,014,533,341	980,710,494	961,502,662	848,179,563	788,985,281		9,978,929,579	Pages 8.1 & 8.2; Line 5	1
3	Commodity Rate - \$/kWh								Not Applicable	2
4	Total Commodity Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Line 2 x Line 3	3
5										4
6	Non-Coincident Demand (100%) (kW) 1:									5
7	Secondary	13,594	15,125	13,981	13,163	11,660		147,375	Page 10; Line 37	6
8	Primary	-	664	170	150	128		1,820	Page 10; Line 38	7
9	Transmission	-	-	-	-	-		-	Page 10; Line 39	8
10	Total	13,594	15,789	14,150	13,313	11,788		149,195	Sum Lines 7; 8; 9	9
11	Check Figure	13,594	15,789	14,150	13,313	11,788		149,195	Pages 8.1 & 8.2; Line 6	10
12	Difference	-	-	-	-	-		-	Line 10 - Line 11	11
13										12
14	Non-Coincident Demand (100%) Rates (\$/kW):									13
15	Secondary	\$ 11,8457844	\$ 11,8457844	\$ 11,8457844	\$ 11,8457844	\$ 11,8457844			Statement BL - Retail TU; Page 1; Line 6D	14
16	Primary	\$ 11,4384795	\$ 11,4384795	\$ 11,4384795	\$ 11,4384795	\$ 11,4384795			Statement BL - Retail TU; Page 1; Line 6C	15
17	Transmission	\$ 11,3875664	\$ 11,3875664	\$ 11,3875664	\$ 11,3875664	\$ 11,3875664			Statement BL - Retail TU; Page 1; Line 6B	16
18	Non-Coincident Demand (100%) - Revenues:									17
19	Secondary	\$ 161,030	\$ 179,171	\$ 165,614	\$ 155,925	\$ 138,118		\$ 1,745,772	Line 7 x Line 15	18
20	Primary	-	7,591	1,940	1,721	1,464		20,813	Line 8 x Line 16	19
21	Transmission	-	-	-	-	-		-	Line 9 x Line 17	20
22	Subtotal	\$ 161,030	\$ 186,762	\$ 167,553	\$ 157,645	\$ 139,582		\$ 1,766,585	Sum Lines 19; 20; 21	21
23										22
24	Non-Coincident Demand (90%) (kW) 2:									23
25	Secondary	2,131,639	1,680,505	1,846,182	1,678,282	1,584,990		19,356,617	Page 10; Line 43	24
26	Primary	365,983	613,291	475,607	399,834	373,508		4,656,251	Page 10; Line 44	25
27	Transmission	82,971	143,821	143,132	114,872	111,722		1,404,182	Page 10; Line 45	26
28	Total	2,580,593	2,437,617	2,464,921	2,192,988	2,070,219		25,417,050	Sum Lines 25; 26; 27	27
29	Check Figure	2,580,593	2,437,617	2,464,921	2,192,988	2,070,219		25,417,050	Pages 8.1 & 8.2; Line 7	28
30	Difference	-	-	-	-	-		-	Line 28 - Line 29	29
31										30
32	Non-Coincident Demand (90%) Rates (\$/kW):									31
33	Secondary	\$ 10,6612060	\$ 10,6612060	\$ 10,6612060	\$ 10,6612060	\$ 10,6612060			Statement BL - Retail TU; Page 1; Line 8D	32
34	Primary	\$ 10,2946316	\$ 10,2946316	\$ 10,2946316	\$ 10,2946316	\$ 10,2946316			Statement BL - Retail TU; Page 1; Line 8C	33
35	Transmission	\$ 10,2488098	\$ 10,2488098	\$ 10,2488098	\$ 10,2488098	\$ 10,2488098			Statement BL - Retail TU; Page 1; Line 8B	34
36	Non-Coincident Demand (90%) - Revenues:									35
37	Secondary	\$ 22,725,837	\$ 17,916,205	\$ 19,682,521	\$ 17,892,513	\$ 16,897,903		\$ 206,364,886	Line 25 x Line 33	36
38	Primary	3,767,663	6,313,604	4,896,200	4,116,145	3,845,127		47,934,386	Line 26 x Line 34	37
39	Transmission	850,356	1,473,996	1,466,937	1,177,299	1,145,014		14,391,196	Line 27 x Line 35	38
40	Subtotal	\$ 27,343,857	\$ 25,703,805	\$ 26,045,659	\$ 23,185,957	\$ 21,888,044		\$ 268,690,468	Sum Lines 37; 38; 39	39

NOTES:
 1 Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1.
 2 NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
 Derivation of Monthly Retail Cost of Service
Revenues for True-Up Period Using Retail Rates Developed in Statement BL
For True-Up Period January 1, 2016 - December 31, 2016
Medium and Large Commercial & Industrial Customers

Line No.	Description	Winter Jan-16	Winter Feb-16	Winter Mar-16	Winter Apr-16	Summer May-16	Summer Jun-16	Summer Jul-16	Line No.
1	Maximum On-Peak Period Demand (kW) ¹:								1
2	Secondary	1,217,967	1,072,608	1,401,627	1,378,472	1,211,521	1,421,911	1,185,496	2
3	Primary	235,630	222,782	528,009	267,972	283,167	334,880	373,731	3
4	Transmission	44,344	37,851	31,922	33,838	25,779	55,346	26,367	4
5	Total	1,497,941	1,333,241	1,961,558	1,680,282	1,520,467	1,812,137	1,585,595	5
6	Check Figure	1,497,941	1,333,241	1,961,558	1,680,282	1,520,467	1,812,137	1,585,595	6
7	Difference	-	-	-	-	-	-	-	7
8									8
9	Maximum On-Peak Period Demand Rates (\$/kW):								9
10	Secondary	\$ 0.5715201	\$ 0.5715201	\$ 0.5715201	\$ 0.5715201	\$ 1.9135232	\$ 1.9135232	\$ 1.9135232	10
11	Primary	\$ 0.5518690	\$ 0.5518690	\$ 0.5518690	\$ 0.5518690	\$ 1.8477287	\$ 1.8477287	\$ 1.8477287	11
12	Transmission	\$ 0.5494126	\$ 0.5494126	\$ 0.5494126	\$ 0.5494126	\$ 1.8395044	\$ 1.8395044	\$ 1.8395044	12
13	Maximum On-Peak Period Demand - Revenues:								13
14	Secondary	\$ 696,093	\$ 613,017	\$ 801,058	\$ 787,824	\$ 2,318,274	\$ 2,720,860	\$ 2,268,475	14
15	Primary	\$ 130,037	\$ 122,947	\$ 291,392	\$ 147,886	\$ 523,216	\$ 618,767	\$ 690,554	15
16	Transmission	\$ 24,363	\$ 20,796	\$ 17,538	\$ 18,591	\$ 47,420	\$ 101,809	\$ 48,502	16
17	Subtotal	\$ 850,493	\$ 756,760	\$ 1,109,988	\$ 954,301	\$ 2,888,910	\$ 3,441,436	\$ 3,007,531	17
18									18
19	Maximum Demand at the Time of System Peak (kW) ²:								19
20	Secondary								20
21	Primary	15,822	10,514	12,127	12,300	13,529	20,918	10,153	21
22	Transmission	45,758	52,315	152,426	82,727	84,291	71,710	84,538	22
23	Total	61,580	62,829	164,553	95,027	97,819	92,628	94,691	23
24	Check Figure	61,580	62,829	164,553	95,027	97,819	92,628	94,691	24
25	Difference	-	-	-	-	-	-	-	25
26									26
27	Maximum Demand at the Time of System Peak Rates (\$/kW):								27
28	Secondary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28
29	Primary	\$ 0.5553134	\$ 0.5553134	\$ 0.5553134	\$ 0.5553134	\$ 2.2218364	\$ 2.2218364	\$ 2.2218364	29
30	Transmission	\$ 0.5528416	\$ 0.5528416	\$ 0.5528416	\$ 0.5528416	\$ 2.2119469	\$ 2.2119469	\$ 2.2119469	30
31	Maximum Demand at the Time of System Peak - Revenues:								31
32	Secondary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	32
33	Primary	\$ 8,786	\$ 5,839	\$ 6,734	\$ 6,831	\$ 30,058	\$ 46,477	\$ 22,559	33
34	Transmission	\$ 25,297	\$ 28,922	\$ 84,267	\$ 45,735	\$ 186,447	\$ 158,618	\$ 186,993	34
35	Subtotal	\$ 34,083	\$ 34,761	\$ 91,002	\$ 52,566	\$ 216,505	\$ 205,095	\$ 209,552	35
36									36
37	Revenues at Changed Rates:								37
38	Secondary	\$ 17,122,067	\$ 15,140,211	\$ 19,454,322	\$ 18,464,733	\$ 17,469,258	\$ 18,974,101	\$ 15,776,710	38
39	Primary	\$ 2,928,436	\$ 2,799,322	\$ 5,917,905	\$ 3,575,189	\$ 3,754,807	\$ 4,170,634	\$ 4,509,534	39
40	Transmission	\$ 1,061,501	\$ 840,150	\$ 1,989,007	\$ 1,411,961	\$ 1,347,515	\$ 1,398,909	\$ 1,223,847	40
41	Total	\$ 21,112,003	\$ 18,779,683	\$ 27,361,235	\$ 23,451,903	\$ 22,571,580	\$ 24,543,644	\$ 21,510,090	41
42									42
43	Total Revenues at Changed Rates	\$ 21,112,003	\$ 18,779,683	\$ 27,361,235	\$ 23,451,903	\$ 22,571,580	\$ 24,543,644	\$ 21,510,090	43

NOTES:

- Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.
- Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
 Derivation of Monthly Retail Cost of Service
Revenues for True-Up Period Using Retail Rates Developed in Statement BL
For True-Up Period January 1, 2016 - December 31, 2016
Medium and Large Commercial & Industrial Customers

Line No.	Description	Summer		Summer		Summer		Winter		Winter		Total	Reference
		Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17		
1	Maximum On-Peak Period Demand (kW) ¹ :												
2	Secondary	2,010,892	1,599,022	1,759,202	1,458,815	1,276,479						16,994,013	Page 10; Line 17
3	Primary	360,998	608,452	500,858	381,984	323,117						4,421,580	Page 10; Line 18
4	Transmission	30,193	75,770	64,350	33,124	33,342						492,225	Page 10; Line 19
5	Total	2,402,083	2,283,244	2,324,410	1,873,922	1,632,938						21,907,817	Sum Lines 2; 3; 4
6	Check Figure	2,402,083	2,283,244	2,324,410	1,873,922	1,632,938						21,907,817	Pages 8.1 & 8.2; Line 8
7	Difference	-	-	-	-	-						-	Line 5 - Line 6
8													
9	Maximum On-Peak Period Demand Rates (\$/kW):												
10	Secondary	\$ 1,913,523	\$ 1,913,523	\$ 1,913,523	\$ 0,571,520	\$ 0,571,520							Statement BL-Retail TU; Page 1; Line 11D; 12D
11	Primary	\$ 1,847,287	\$ 1,847,287	\$ 1,847,287	\$ 0,551,869	\$ 0,551,869							Statement BL-Retail TU; Page 1; Line 11C; 12C
12	Transmission	\$ 1,839,504	\$ 1,839,504	\$ 1,839,504	\$ 0,549,416	\$ 0,549,416							Statement BL-Retail TU; Page 1; Line 11B; 12B
13	Maximum On-Peak Period Demand - Revenues:												
14	Secondary	\$ 3,847,889	\$ 3,059,765	\$ 3,366,275	\$ 833,742	\$ 729,534						22,042,805	Line 2 x Line 10
15	Primary	\$ 667,026	\$ 1,124,253	\$ 925,450	\$ 210,805	\$ 178,318						5,630,651	Line 3 x Line 11
16	Transmission	\$ 55,541	\$ 139,380	\$ 118,372	\$ 18,198	\$ 18,318						628,828	Line 4 x Line 12
17	Subtotal	\$ 4,570,455	\$ 4,323,398	\$ 4,410,096	\$ 1,062,746	\$ 926,170						28,302,284	Sum Lines 14; 15; 16
18													
19	Maximum Demand at the Time of System Peak (kW) ² :												
20	Secondary												
21	Primary	21,022	17,747	9,817	9,851	15,952						169,754	Page 10; Line 30
22	Transmission	53,457	73,748	100,046	90,001	61,404						952,420	Page 10; Line 31
23	Total	74,479	91,495	109,863	99,852	77,356						1,122,173	Page 10; Line 32
24	Check Figure	74,479	91,495	109,863	99,852	77,356						1,122,173	Pages 8.1 & 8.2; Line 9
25	Difference	-	-	-	-	-						-	Line 23 - Line 24
26													
27	Maximum Demand at the Time of System Peak Rates (\$/kW):												
28	Secondary	\$ -	\$ -	\$ -	\$ -	\$ -							Statement BL-Retail TU; Page 1; Line 15D; 16D
29	Primary	\$ 2,221,836	\$ 2,221,836	\$ 2,221,836	\$ 0,555,134	\$ 0,555,134							Statement BL-Retail TU; Page 1; Line 15C; 16C
30	Transmission	\$ 2,211,949	\$ 2,211,949	\$ 2,211,949	\$ 0,552,846	\$ 0,552,846							Statement BL-Retail TU; Page 1; Line 15B; 16B
31	Maximum Demand at the Time of System Peak - Revenues:												
32	Secondary	\$ -	\$ -	\$ -	\$ -	\$ -							Line 20 x Line 28
33	Primary	\$ 46,708	\$ 39,431	\$ 21,812	\$ 5,470	\$ 8,858						249,563	Line 21 x Line 29
34	Transmission	\$ 118,244	\$ 163,127	\$ 221,297	\$ 49,756	\$ 33,947						1,302,649	Line 22 x Line 30
35	Subtotal	\$ 164,952	\$ 202,558	\$ 243,109	\$ 55,226	\$ 42,805						1,552,213	Sum Lines 32; 33; 34
36													
37	Revenues at Changed Rates:												
38	Secondary	\$ 26,734,756	\$ 21,155,142	\$ 23,214,410	\$ 18,882,179	\$ 17,765,555						230,153,463	Page 4.2 (Lines 19;37) + Page 5.2 (Lines 14;32)
39	Primary	\$ 4,481,397	\$ 7,484,880	\$ 5,845,402	\$ 4,033,141	\$ 4,033,768						53,835,414	Page 4.2 (Lines 20;38) + Page 5.2 (Lines 15;33)
40	Transmission	\$ 1,024,141	\$ 1,776,502	\$ 1,806,606	\$ 1,245,254	\$ 1,197,280						16,322,673	Page 4.2 (Lines 21;39) + Page 5.2 (Lines 16;34)
41	Total	\$ 32,240,294	\$ 30,416,523	\$ 30,866,418	\$ 24,461,575	\$ 22,996,602						300,311,550	Sum Lines 38; 39; 40
42													
43	Total Revenues at Changed Rates	\$ 32,240,294	\$ 30,416,523	\$ 30,866,418	\$ 24,461,575	\$ 22,996,602						300,311,550	See Line 41

NOTES:
 1 Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules A-Y-TOU, AL-TOU, and DG-R.
 2 Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
Derivation of Monthly Retail Cost of Service
Revenues for True-Up Period Using Retail Rates Developed in Statement BL
For True-Up Period January 1, 2016 - December 31, 2016
Agricultural Customers

Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference ²
1	Energy Revenues:														
2	Commodity Sales - kWh	17,771,793	14,985,880	15,076,911	21,080,329	15,231,588	16,796,304	15,329,178	28,271,694	27,557,858	20,923,979	19,508,319	20,607,235	233,141,068	Page 9.3; Line 117 X 1000
3	Commodity Rate - \$/kWh	-	-	-	-	-	-	-	-	-	-	-	-	-	Not Applicable
4	Total Commodity Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Line 2 x Line 3
5															
6	Non-Coincident Demand (100%)(kWh) ¹:														
7	Secondary	73,212	58,377	59,328	65,044	53,195	60,791	69,949	71,351	60,324	62,577	51,924	68,885	754,957	Page 9.3; Line 135 X 1000
8	Primary	7,175	13,960	6,299	22,224	5,758	7,949	(18,278)	32,000	40,531	13,504	29,742	17,166	178,029	Page 9.3; Line 136 X 1000
9	Transmission	-	-	-	-	-	-	-	-	-	-	-	-	-	Page 9.3; Line 137 X 1000
10	Total	80,387	72,337	65,627	87,267	58,954	68,740	51,670	103,351	100,854	76,081	81,665	86,052	932,986	Sum Lines 7, 8, 9
11	Check Figure	80,387	72,337	65,627	87,267	58,954	68,740	51,670	103,351	100,854	76,081	81,665	86,052	932,986	Pages 8.1 & 8.2; Line 13; Col. Demand
12	Difference	-	-	-	-	-	-	-	-	-	-	-	-	-	Line 10 Less Line 11
13															
14	Non-Coincident Demand (100%)														
15	Secondary	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	\$ 5,499,475	Statement BL-Retail; Page 1; Line 21; Col. D
16	Primary	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	\$ 5,310,382	Statement BL-Retail; Page 1; Line 21; Col. C
17	Transmission	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Statement BL-Retail; Page 1; Line 21; Col. B
18	Revenues at Changed Rates:														
19	Secondary	\$ 402,627	\$ 321,044	\$ 326,275	\$ 357,705	\$ 292,547	\$ 334,321	\$ 384,680	\$ 392,393	\$ 331,748	\$ 344,142	\$ 285,552	\$ 378,833	\$ 4,151,867	Line 7 x Line 16
20	Primary	38,104	74,131	33,448	118,017	30,578	42,212	(97,064)	169,931	215,235	71,711	157,940	91,159	945,403	Line 8 x Line 17
21	Transmission	-	-	-	-	-	-	-	-	-	-	-	-	-	Line 9 x Line 18
22	Subtotal	\$ 440,731	\$ 395,175	\$ 359,723	\$ 475,722	\$ 323,125	\$ 376,533	\$ 287,616	\$ 562,324	\$ 546,982	\$ 415,853	\$ 443,492	\$ 469,992	\$ 5,097,271	Sum Lines 21; 22; 23
23															
24															

NOTES:
¹ Non-Coincident Demand (NCD) (100%) rates applicable to the following California Public Utilities Commission (CPUC) tariff: Schedule PA-T-1.
² Reference data found in Retail True-Up Statements BG and BL.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
 Derivation of Monthly Retail Cost of Service
 Revenue for True-Up Period Using Retail Rates Developed in Statement BL
 For True-Up Period January 1, 2016 - December 31, 2016
 Standby Customers

Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
1	Demand - Billing Determinants (kW):														
2	Secondary	9,795	9,799	9,799	9,799	9,774	9,737	9,712	9,688	9,688	11,593	11,526	11,526	122,436	Page 9.3; Line 144 X 1000
3	Primary	96,539	97,493	99,050	101,841	105,379	106,990	107,012	105,214	105,214	102,225	101,804	104,754	1,233,515	Page 9.3; Line 145 X 1000
4	Transmission	59,989	59,989	60,501	60,501	60,514	60,465	60,549	60,551	60,554	60,876	60,252	60,245	724,986	Page 9.3; Line 146 X 1000
5	Total	166,323	167,281	169,350	172,141	175,667	177,192	177,273	175,453	175,456	174,694	173,582	176,525	2,080,937	Sum Lines 2, 3, 4
6	Check Figure	166,323	167,281	169,350	172,141	175,667	177,192	177,273	175,453	175,456	174,694	173,582	176,525	2,080,937	Pages 8.1 & 8.2; Line 19
7	Difference	-	-	-	-	-	-	-	-	-	-	-	-	-	Line 5 Less Line 6
8															
9	Demand Rates (\$/kW):														
10	Secondary	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 5,339,512	\$ 53,395,121	Statement BL-Retail; Page 1; Line 25; Col. D
11	Primary	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 5,155,918	\$ 51,559,186	Statement BL-Retail; Page 1; Line 25; Col. C
12	Transmission	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 5,132,969	\$ 51,329,694	Statement BL-Retail; Page 1; Line 25; Col. B
13															
14	Revenues at Changed Rates:														
15	Secondary	\$ 52,301	\$ 52,322	\$ 52,322	\$ 52,322	\$ 52,188	\$ 51,991	\$ 51,857	\$ 51,729	\$ 51,729	\$ 61,901	\$ 61,543	\$ 61,543	\$ 653,749	Line 2 x Line 10
16	Primary	497,747	502,666	510,694	525,084	543,326	551,632	551,745	542,475	542,475	527,064	524,893	540,103	6,359,903	Line 3 x Line 11
17	Transmission	307,922	307,922	310,550	310,550	310,617	310,365	310,796	310,806	310,822	312,475	309,272	309,236	3,721,331	Line 4 x Line 12
18	Total	\$ 857,969	\$ 862,910	\$ 873,565	\$ 887,956	\$ 906,130	\$ 913,988	\$ 914,399	\$ 905,010	\$ 905,026	\$ 901,439	\$ 895,708	\$ 910,882	\$ 10,734,982	Sum Lines 15; 16; 17
19															
20	Total Revenues at Changed Rates	\$ 857,969	\$ 862,910	\$ 873,565	\$ 887,956	\$ 906,130	\$ 913,988	\$ 914,399	\$ 905,010	\$ 905,026	\$ 901,439	\$ 895,708	\$ 910,882	\$ 10,734,982	Line 18

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Revenue Data to Reflect Changed Rates
Recorded Billing Determinants
For True-Up Period January 1, 2016 - December 31, 2016

Line No.	Customer Classes	12 Months to Date Billing Determinants		Reference	Line No.
		Energy (kWh)	Demand (kW)		
1	Residential	6,692,278,379		Page 8.2; Col. M; Line 1	1
2					2
3	Small Commercial	2,088,144,809		Page 8.2; Col. M; Line 3	3
4					4
5	Medium & Large Commercial/Industrial	9,978,929,579		Page 8.2; Col. M; Line 5	5
6	Non-Coincident (100%) ¹		149,195	Page 8.2; Col. M; Line 6	6
7	Non-Coincident (90%) ²		25,417,050	Page 8.2; Col. M; Line 7	7
8	Maximum On-Peak Period Demand ³		21,907,817	Page 8.2; Col. M; Line 8	8
9	Maximum Demand at the Time of System Peak ⁴		1,122,173	Page 8.2; Col. M; Line 9	9
10					10
11	Agricultural				11
12	Schedule PA and TOU-PA	94,915,170		Page 8.2; Col. M; Line 12	12
13	Schedule PA-T-1 - Non-Coincident (100%)	233,141,068	932,986	Page 8.2; Col. M; Line 13	13
14					14
15	Street Lighting	81,197,494		Page 8.2; Col. M; Line 15	15
16					16
17	Sale for Resale ⁵	97,221		Page 8.2; Col. M; Line 17	17
18					18
19	Standby		2,080,937	Page 8.2; Col. M; Line 19	19
20					20
21	TOTAL	19,168,606,499	51,610,159	Sum Lines 1 to 15 + Line 19	21

NOTES:

- ¹ Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1.
- ² NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.
- ³ Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.
- ⁴ Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU.
- ⁵ Sale for Resale represents the City of Escondido which is a wholesale customer thus excluded.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Revenue Data to Reflect Changed Rates
Recorded Billing Determinants
For True-Up Period January 1, 2016 – December 31, 2016

Line No.	Customer Classes	(A) Jan-16 Billing Determinants		(B) Feb-16 Billing Determinants		(C) Mar-16 Billing Determinants		(D) Apr-16 Billing Determinants		(E) May-16 Billing Determinants		(F) Jun-16 Billing Determinants		Line No.
		Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	
1	Residential	664,376,743		543,082,395		483,028,859		468,678,753		461,031,166		493,971,979		1
2														2
3	Small Commercial	148,879,527		127,164,547		166,698,110		141,217,454		163,112,520		174,109,414		3
4														4
5	Medium & Large Commercial/Industrial	747,841,029		649,817,813	10,406	993,225,866	12,746	792,514,297	11,133	719,217,827	11,163	775,262,101	11,423	5
6	Non-Coincident (100%) ¹		11,143		1,687,595		2,465,510		2,109,441		1,828,381		1,963,421	6
7	Non-Coincident (90%) ²		1,898,047		1,333,241		1,961,558		1,680,282		1,520,467		1,812,137	7
8	Maximum On-Peak Period Demand ³		1,497,941		62,829		164,553		95,027		97,819		92,628	8
9	Maximum Demand at the Time of System Peak ⁴		61,580											9
10														10
11	Agricultural													11
12	Schedule PA and TOU-PA	4,817,571		5,690,443		6,216,244		6,606,906		7,400,513		8,665,392		12
13	Schedule PA-T-1 - Non-Coincident (100%)	17,771,793		14,985,880	72,337	15,076,911	65,627	21,080,329	87,267	15,231,588	58,954	16,796,304	68,740	13
14														14
15	Street Lighting	5,133,751		6,639,143		7,021,629		7,151,148		7,669,521		6,663,933		15
16														16
17	Sale for Resale	5,993		6,231		5,954		9,212		10,406		9,837		17
18														18
19	Standby		166,323		167,281		169,350		172,141		175,667		177,192	19
20														20
21	TOTAL	1,588,826,407		1,347,386,452		1,671,273,573		1,437,258,099		1,373,673,541		1,475,478,960		21

NOTES:
¹ Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1.
² NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.
³ Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.
⁴ Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU.

Statement BG
SAN DIEGO GAS AND ELECTRIC COMPANY
Transmission Revenue Data to Reflect Changed Rates
Recorded Billing Determinants
For True-Up Period January 1, 2016 - December 31, 2016

Line No.	Customer Classes	(G) Jul-16		(H) Aug-16		(I) Sep-16		(J) Oct-16		(K) Nov-16		(L) Dec-16		(M) Total	
		Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)
1	Residential	599,836,777		697,278,056		625,433,244		580,238,774		516,742,721		558,578,912		6,692,278,379	
2															
3	Small Commercial	163,157,585		227,733,551		207,961,309		206,798,491		182,582,629		178,729,672		2,088,144,809	
4															
5	Medium & Large Commercial/Industrial	707,139,305		1,014,533,341		980,710,494		961,502,662		848,179,563		788,985,281		9,978,929,579	
6	Non-Coincident (100%) ¹		12,547		13,594		15,789		14,150		13,313		11,788		149,195
7	Non-Coincident (90%) ²		1,718,317		2,580,593		2,437,617		2,464,921		2,192,988		2,070,219		25,417,050
8	Maximum On-Peak Period Demand ³		1,585,595		2,402,083		2,283,244		2,324,410		1,873,922		1,632,938		21,907,817
9	Maximum Demand at the Time of System Peak ⁴		94,691		74,479		91,495		109,863		99,852		77,356		1,122,173
10															
11	Agricultural														
12	Schedule PA and TOU-PA	10,125,605		10,845,610		9,813,280		10,080,259		8,158,176		6,495,171		94,915,170	
13	Schedule PA-T-1 - Non-Coincident (100%)	15,329,178		28,271,694		27,557,858		20,923,979		19,508,319		20,607,235		233,141,068	
14															
15	Street Lighting	7,223,190		5,166,675		7,191,611		9,017,644		7,267,979		5,051,270		81,197,494	
16															
17	Sale for Resale	10,310		4,609		8,635		10,162		6,571		9,301		97,221	
18															
19	Standby														
20	TOTAL	1,502,821,950	177,273	1,983,833,536	175,453	1,858,676,431	175,456	1,788,571,971	174,694	1,582,445,958	173,582	1,558,456,842	19,168,703,720	2,080,937	
21															

NOTES:
¹ Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1.
² NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.
³ Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.
⁴ Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU.

Statement BG													
San Diego Gas & Electric													
FERC Recorded Sales Period: January 2016 - December 2016													
Line No.	Winter	Winter	Winter	Summer	Summer	Summer	Summer	Summer	Summer	Winter	Winter	Total	
Line No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
1	SDG&E System Delivery Determinants												
2	Customer Class Deliveries (MWh)												
3	664,377	543,082	483,029	468,679	461,031	493,972	599,837	697,278	625,433	580,239	516,743	558,579	6,692,278
4	148,880	127,165	166,698	141,217	163,113	174,109	163,158	227,734	207,961	206,798	182,583	178,730	2,088,145
5	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
6	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
7	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
8	4,818	5,690	6,216	6,607	7,401	8,665	10,126	10,846	9,813	10,080	8,158	6,495	94,915
9	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
10	5,134	6,639	7,022	7,151	7,670	6,664	7,223	5,167	7,192	9,018	7,268	5,051	81,197
11	6.0	6.2	6.0	6.0	10.4	9.8	10.3	4.6	8.6	10.2	6.6	9.3	93
12	Sale for Resale												
13	Total System												
14	1,588,826	1,347,386	1,671,274	1,437,258	1,373,674	1,475,479	1,502,822	1,983,834	1,858,676	1,788,572	1,582,446	1,558,457	19,168,704
15	Med. & Large Comm./Ind.												
16	Rate Schedule Billing Determinants												
17	Schedule AD:												
18	Total Deliveries (MWh)												
19	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
20	Total Deliveries (%)												
21	97.54%	97.16%	97.88%	97.58%	97.49%	100.00%	100.00%	100.00%	91.60%	97.74%	97.72%	97.60%	97.58%
22	2.46%	2.84%	2.12%	2.42%	2.51%	0.00%	0.00%	0.00%	8.40%	2.26%	2.28%	2.40%	2.42%
23	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
24	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
25	Total Deliveries (MWh)												
26	2,749	2,429	2,932	2,630	2,496	2,715	2,830	3,385	3,394	3,155	2,930	2,627	34,270
27	69	71	64	65	64	0	0	0	311	73	68	64	850
28	0	0	0	0	0	0	0	0	0	0	0	0	0
29	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
30	Non-Coincident Demand (%)												
31	0.4000%	0.4225%	0.4298%	0.4180%	0.4420%	0.4208%	0.4434%	0.4016%	0.4456%	0.4432%	0.4493%	0.4438%	0.4300%
32	2.126%	2.031%	2.271%	2.216%	2.204%	0.0000%	0.0000%	0.0000%	0.2132%	0.2325%	0.2204%	0.1985%	0.2140%
33	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
34	Non-Coincident Demand (MW)												
35	10.996	10.262	12.602	10.992	11.031	11.423	12.547	13.594	15.125	13.981	13.163	11.660	147,375
36	0.147	0.144	0.144	0.141	0.131	0.000	0.000	0.000	0.664	0.170	0.150	0.128	1,820
37	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
38	11.143	10.406	12.746	11.133	11.163	11.423	12.547	13.594	15.789	14.150	13.313	11.788	149,195
39	Schedules OL-TOU/AV-TOU/AL-TOU/DG-R:												
40	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
41	Total Deliveries (MWh)												
42	80.56%	78.69%	69.27%	82.72%	78.11%	76.48%	72.79%	80.57%	66.99%	73.88%	75.25%	76.58%	75.72%
43	16.16%	18.66%	29.61%	15.95%	20.97%	21.58%	27.25%	18.77%	30.05%	24.17%	23.60%	21.77%	22.64%
44	3.28%	2.65%	1.12%	1.33%	0.92%	1.94%	-0.04%	0.66%	2.96%	1.95%	1.16%	1.66%	1.63%
45	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
46	Total Deliveries (%)												
47	% @ Secondary Service												
48	% @ Primary Service												
49	% @ Transmission Service												
50	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
51	Total Deliveries (%)												

Line No.		Statement BG San Diego Gas & Electric FERC Recorded Sales Period: January 2016 - December 2016												Line No.		
		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total		
52	Total Deliveries (MWh)	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846	81	82
53	% @ Secondary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	83	84
54	% @ Primary Service	18.95%	18.73%	7.15%	14.71%	14.13%	18.93%	15.88%	24.94%	17.78%	12.53%	14.18%	18.57%	15.44%	85	86
55	% @ Transmission Service	81.05%	81.27%	92.85%	85.29%	85.87%	81.07%	84.12%	75.06%	82.22%	87.47%	85.82%	81.43%	84.56%	87	88
56	Total Deliveries (MWh)	0	0	0	0	0	0	0	0	0	0	0	0	0	89	90
57	% @ Secondary Service	8.849	8,076	8,117	10,522	9,487	12,169	9,410	12,588	11,106	9,158	9,347	11,584	120,413	91	92
58	% @ Primary Service	37,848	35,040	105,412	61,008	57,654	52,115	49,845	37,886	51,357	63,927	56,559	50,782	659,433	93	94
59	% @ Transmission Service	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846	95	96
60	Non-Coincident Demand (%)	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	97	98
61	% @ Secondary Service	0.1553%	0.1584%	0.1608%	0.2556%	0.1453%	0.1530%	0.1790%	0.2072%	0.1871%	0.1705%	0.2185%	0.2396%	0.1880%	99	100
62	% @ Primary Service	0.1869%	0.1554%	0.1549%	0.1808%	0.1606%	0.1624%	0.1855%	0.1817%	0.1839%	0.1713%	0.1778%	0.1849%	0.1722%	101	102
63	% @ Transmission Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	103	104
64	Non-Coincident Demand (MW)	13.743	12.792	13.053	26.894	13.785	18.618	16.843	26.083	20.779	15.614	20.422	27.759	226.384	105	106
65	MW @ Secondary Service	70.738	54.452	163.283	110.303	92.593	84.634	92.463	68.838	94.445	109.508	100.542	93.882	1,135.681	107	108
66	MW @ Primary Service	84.480	67.244	176.336	137.197	106.378	103.253	109.307	94.921	115.224	125.121	120.964	121.640	1,362.065	109	110
67	MW @ Transmission Service														111	112
68	On-Peak Demand (%)														113	114
69	% @ Secondary Service	0.2165%	0.2256%	0.2308%	0.2320%	0.2388%	0.2625%	0.2525%	0.2598%	0.2610%	0.2690%	0.2488%	0.2303%	0.2449%	115	116
70	% @ Primary Service	0.2088%	0.1976%	0.2034%	0.2399%	0.2079%	0.2191%	0.2126%	0.2002%	0.2214%	0.2341%	0.2077%	0.2051%	0.2131%	117	118
71	% @ Transmission Service	0.1936%	0.2364%	0.3251%	0.3542%	0.4314%	0.4028%	-10.9881%	0.4762%	0.2799%	0.3728%	0.3680%	0.2782%	0.3294%	119	120
72	Maximum On-Peak Period Demand (MW)														121	122
73	On-Peak Demand (MW)	1,217,967	1,072,608	1,401,627	1,378,472	1,211,521	1,421,911	1,185,496	2,010,892	1,599,022	1,759,202	1,458,815	1,276,479	16,994,013	123	124
74	MW @ Secondary Service	235,630	222,782	528,009	267,972	283,167	334,880	373,731	360,998	608,452	500,858	381,984	323,117	4,421,580	125	126
75	MW @ Primary Service	44,344	37,851	31,922	33,838	25,779	55,346	26,367	30,193	75,770	64,350	33,124	33,342	492,225	127	128
76	MW @ Transmission Service	1,497,941	1,333,241	1,961,558	1,680,282	1,520,467	1,812,137	1,585,595	2,402,083	2,283,244	2,324,410	1,873,922	1,632,938	21,907,817	129	130
77															131	132
78															133	134
79															135	136
80	Schedule A6-TOL:														137	138
81	Total Deliveries (MWh)														139	140
82	% @ Secondary Service														141	142
83	% @ Primary Service														143	144
84	% @ Transmission Service														145	146
85	Total Deliveries (MWh)														147	148
86	% @ Secondary Service														149	150
87	% @ Primary Service														151	152
88	% @ Transmission Service														153	154
89	Non-Coincident Demand (%)														155	156
90	% @ Secondary Service														157	158
91	% @ Primary Service														159	160
92	% @ Transmission Service														161	162
93	Non-Coincident Demand (MW)														163	164
94	MW @ Secondary Service														165	166
95	MW @ Primary Service														167	168
96	MW @ Transmission Service														169	170
97															171	172
98															173	174
99															175	176
100															177	178
101															179	180
102															181	182

Statement BG													Line
San Diego Gas & Electric													No.
FERC Recorded Sales Period: January 2016 - December 2016													
	Winter	Winter	Winter	Summer	Summer	Summer	Summer	Summer	Summer	Summer	Winter	Winter	Total
	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
103	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
104	0.1788%	0.1302%	0.1494%	0.1169%	0.1426%	0.1719%	0.1079%	0.1670%	0.1598%	0.1072%	0.1054%	0.1377%	0.1410%
105	0.1209%	0.1493%	0.1446%	0.1356%	0.1462%	0.1376%	0.1696%	0.1411%	0.1436%	0.1565%	0.1591%	0.1209%	0.1444%
106	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
107	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
108	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
109	15.822	10.514	12.127	12.300	13.529	20.918	10.153	21.022	17.747	9.817	9.851	15.952	169.754
110	45.758	52.315	152.426	82.727	84.291	71.710	84.538	53.457	73.748	100.046	90.001	61.404	952.420
111	61.580	62.829	164.553	95.027	97.819	92.628	94.691	74.479	91.495	109.863	99.852	77.356	1,122.173
112													
113													
114													
115													
116	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
117													
118													
119	90.50%	77.23%	89.23%	73.29%	85.14%	89.19%	137.65%	72.19%	65.09%	80.59%	65.03%	78.91%	81.40%
120	9.50%	22.77%	10.77%	26.71%	14.86%	10.81%	-37.65%	27.81%	34.91%	19.41%	34.97%	21.09%	18.60%
121	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
122	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
123	16,083	11,574	13,453	15,450	12,968	14,981	21,101	20,409	17,937	16,863	12,687	16,260	189,766
124	1,688	3,412	1,624	5,631	2,263	1,816	-5,771	7,862	9,620	4,061	6,821	4,347	43,375
125	0	0	0	0	0	0	0	0	0	0	0	0	0
126	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
127													
128	0.4552%	0.5044%	0.4410%	0.4210%	0.4102%	0.4058%	0.3315%	0.3496%	0.3363%	0.3711%	0.4093%	0.4236%	0.3978%
129	0.4250%	0.4091%	0.3879%	0.3947%	0.2544%	0.4378%	0.3167%	0.4070%	0.4213%	0.3325%	0.4360%	0.3949%	0.4104%
130	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
131													
132													
133													
134	73.212	58.377	59.328	65.044	53.195	60.791	69.949	71.351	60.324	62.577	51.924	68.885	754.957
135	7.175	13.960	6.299	22.224	5.758	7.949	-18.278	32.000	40.531	13.504	29.742	17.166	178.029
136	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137	80.387	72.337	65.627	87.267	58.954	68.740	51.670	103.351	100.854	76.081	81.665	86.052	932.986
138													
139													
140													
141													
142													
143	9.795	9.799	9.799	9.799	9.774	9.737	9.712	9.688	9.688	11.593	11.526	11.526	122.436
144	96.539	97.493	99.050	101.841	105.379	106.990	107.012	105.214	105.214	102.225	101.804	104.754	1,233.515
145	59.989	59.989	60.501	60.501	60.514	60.465	60.549	60.551	60.554	60.876	60.252	60.245	724.986
146	166.323	167.281	169.350	172.141	175.667	177.192	177.273	175.453	175.456	174.694	173.582	176.525	2,080.937
147													
148													
149													
150													
Schedule PA-T-I:													
116	Total Deliveries (MWh)												
117													
118													
119	Total Deliveries (%)												
120													
121													
122													
123													
124	Total Deliveries (MWh)												
125													
126													
127													
128													
129	Non-Coincident Demand (%)												
130													
131													
132													
133													
134	Non-Coincident Demand (MW)												
135													
136													
137													
138													
139													
140													
141													
142	Schedule S: Standby Determinants:												
143	Contracted Standby Demand (MW)												
144													
145													
146													
147													
148													

Statement BG														Line No.	Reference		
San Diego Gas & Electric Company																	
FERC Recorded Sales Period: January 2016 - December 2016																	
	Winter	Winter	Winter	Summer	Summer	Summer	Summer	Summer	Summer	Summer	Summer	Summer	Summer	Summer	Winter	Winter	Total
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Sub-Total	
1	Schedule AD:																
2	Non-Coincident Demand (MW) - 100%																
3	MW @ Secondary Service																
4	10.996	10.262	12.602	10.992	11.031	11.423	12.547	13.594	15.125	13.981	13.163	11.660	147.375	Page 9.1; Line 37			
5	0.147	0.144	0.144	0.141	0.131	0.000	0.000	0.000	0.664	0.170	0.150	0.128	1,820	Page 9.1; Line 38			
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Page 9.1; Line 39			
7	11.143	10.406	12.746	11.133	11.163	11.423	12.547	13.594	15.789	14.150	13.313	11.788	149.195	Sum Lines 4; 5; 6			
8																	
9	Schedules AL-TOU / AY-TOU / DG-R:																
10	Non-Coincident Demand (MW) - 90%																
11	MW @ Secondary Service																
12	1,528.506	1,351.220	1,735.637	1,645.847	1,408.875	1,511.830	1,253.105	2,131.639	1,680.505	1,846.182	1,678.282	1,584.990	19,356.617	Page 9.2; Line 63			
13	257.071	246.459	532.681	305.207	297.060	321.888	351.933	339.901	592.512	459.994	379.412	345.749	4,429.867	Page 9.2; Line 64			
14	27.990	22.672	20.856	21.189	16.068	26.450	3.972	14.133	49.377	33.625	14.330	17.840	268.501	Page 9.2; Line 65			
15	1,813.567	1,620.351	2,289.174	1,972.243	1,722.003	1,860.168	1,609.011	2,485.672	2,322.393	2,339.800	2,072.024	1,948.579	24,054.986	Sum Lines 11; 12; 13			
16																	
17	On-Peak Demand (MW)																
18	MW @ Secondary Service																
19	1,217.967	1,072.608	1,401.627	1,378.472	1,211.521	1,421.911	1,185.496	2,010.892	1,599.022	1,759.202	1,458.815	1,276.479	16,994.013	Page 9.2; Line 73			
20	235.630	222.782	528.009	267.972	283.167	334.880	373.731	360.998	608.452	500.858	381.984	323.117	4,421.580	Page 9.2; Line 74			
21	44.344	37.851	31.922	33.838	25.779	55.346	26.367	30.193	75.770	64.350	33.124	33.342	492.225	Page 9.2; Line 75			
22	1,497.941	1,333.241	1,961.558	1,680.282	1,520.467	1,812.137	1,585.595	2,402.083	2,283.244	2,324.410	1,873.922	1,632.938	21,907.817	Sum Lines 17; 18; 19			
23																	
24	Schedule A6-TOU:																
25	Non-Coincident Demand (MW) - 90%																
26	MW @ Secondary Service																
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Page 9.2; Line 99			
28	13.743	12.792	13.053	26.894	13.785	18.618	16.843	26.083	20.779	15.614	20.422	27.759	226.384	Page 9.2; Line 100			
29	70.738	54.452	163.283	110.303	92.593	84.634	92.463	68.838	94.445	109.508	100.542	93.882	1,135.681	Page 9.2; Line 101			
30	84.480	67.244	176.336	137.197	106.378	103.253	109.307	94.921	115.224	125.121	120.964	121.640	1,362.065	Sum Lines 24; 25; 26			
31																	
32	Coincident Peak Demand (MW)																
33	MW @ Secondary Service																
34	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Page 9.3; Line 109			
35	15.822	10.514	12.127	12.300	13.529	20.918	10.153	21.022	17.747	9.817	9.851	15.952	169.754	Page 9.3; Line 110			
36	45.758	52.315	152.426	82.727	84.291	71.710	84.538	53.457	73.748	100.046	90.001	61.404	952.420	Page 9.3; Line 111			
37	61.580	62.829	164.553	95.027	97.819	92.628	94.691	74.479	91.495	109.863	99.852	77.356	1,122.173	Sum Lines 30; 31; 32			
38																	
39	TOTAL SUMMARY																
40	Non-Coincident Demand (MWH) @ 100%																
41	10.996	10.262	12.602	10.992	11.031	11.423	12.547	13.594	15.125	13.981	13.163	11.660	147.375	Lines 4 x 1000			
42	147	144	144	141	131	0	0	0	664	170	150	128	1,820	Lines 5 x 1000			
43	0	0	0	0	0	0	0	0	0	0	0	0	0	Lines 6 x 1000			
44	11.143	10.406	12.746	11.133	11.163	11.423	12.547	13.594	15.789	14.150	13.313	11.788	149.195	Sum Lines 37 thru 39			
45																	
46	Non-Coincident Demand (MWH) @ 90%																
47	MW @ Secondary Service																
48	1,528.506	1,351.220	1,735.637	1,645.847	1,408.875	1,511.830	1,253.105	2,131.639	1,680.505	1,846.182	1,678.282	1,584.990	19,356.617	Sum Lines 11; 24 x 1000			
49	270.814	259.250	545.734	332.101	310.845	340.507	368.777	365.983	613.291	475.607	399.834	373.508	4,656.251	Sum Lines 12; 25 x 1000			
50	98.728	77.124	184.139	131.492	108.661	111.084	96.436	82.971	143.821	143.132	114.872	111.722	1,404.182	Sum Lines 13; 26 x 1000			
51	1,898.047	1,687.595	2,465.510	2,109.441	1,828.381	1,963.421	1,718.317	2,580.593	2,437.617	2,464.921	2,192.988	2,070.219	25,417.050	Sum Lines 43 thru 45			
52																	

San Diego Gas & Electric Company

True-Up Period

Statement – BH

Revenue Data to Reflect Present Rates

Docket No. ER18-____-____

Statement BH
SAN DIEGO GAS AND ELECTRIC COMPANY
 Monthly Retail True-Up Period Recorded Revenues
 12-Month Base & True-Up Period (January 1, 2016 - December 31, 2016)

Line No.	Customer Class	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference	Line No.
1	Residential	\$ 26,039,916	\$ 21,141,968	\$ 18,808,610	\$ 18,254,819	\$ 17,950,031	\$ 19,234,490	\$ 23,358,280	\$ 27,152,351	\$ 24,355,087	\$ 22,595,596	\$ 20,120,724	\$ 21,749,967	\$ 260,761,840	Recorded Revenues	1
2																2
3	Small Commercial	6,163,213	5,116,930	6,710,524	5,687,332	6,569,833	7,012,140	6,573,670	9,172,640	8,376,537	8,329,643	7,352,952	7,199,054	84,264,467	Recorded Revenues	3
4																4
5	Medium & Large Commercial/Industrial	22,619,136	19,568,354	28,614,865	24,664,480	22,555,759	25,748,339	22,419,265	34,162,517	31,879,563	32,577,673	27,750,098	24,412,548	316,972,597	Recorded Revenues	5
6																6
7	Agricultural	534,357	740,006	481,791	630,729	472,731	603,601	528,639	961,634	718,478	609,060	598,890	595,358	7,475,273	Recorded Revenues	7
8																8
9	Street Lighting	155,392	202,627	207,695	211,699	226,813	197,270	213,426	152,088	212,549	267,298	215,596	148,710	2,411,163	Recorded Revenues	9
10																10
11	Standby	898,399	791,250	1,213,158	815,271	822,100	953,969	1,140,993	582,810	1,289,042	964,988	1,009,414	882,479	11,363,873	Recorded Revenues	11
12																12
13	TOTAL	\$ 56,410,414	\$ 47,561,135	\$ 56,036,643	\$ 50,264,330	\$ 48,597,267	\$ 53,749,808	\$ 54,234,273	\$ 72,184,040	\$ 66,831,256	\$ 65,344,257	\$ 57,047,675	\$ 54,988,116	\$ 683,249,213	Sum Lines 1 to 11	13

San Diego Gas & Electric Company

True-Up Period

Statement – BK-1

Docket No. ER18-____-____

San Diego Gas & Electric Company
Statement BK-1
Derivation of End Use Prior Year Revenue Requirements (PYRR_{EU})
For the Base Period & True-Up Period Ending December 31, 2016
(\$1,000)

Line No.	Amounts ⁵	Reference	Line No.
1	<u>A. Revenues:</u>		
2	\$ 73,249	Statement AH; Page 5, Line 9	2
3			3
4	49,516	Statement AH; Page 5, Line 56	4
5			5
6	-	Statement AH; Page 5, Line 17	6
7			7
8	\$ 122,765	Sum Lines 2 thru 6	8
9			9
10	142,827	Statement AJ; Page 7, Line 17	10
11			11
12	-	Statement AJ; Page 7, Line 19	12
13			13
14	-	Statement AJ; Page 7, Line 23	14
15			15
16	38,137	Statement AK; Page 8, Line 27	16
17			17
18	2,458	Statement AK; Page 8, Line 33	18
19			19
20	\$ 306,187	Sum Lines 8 thru 18	20
21			21
22	11.5050%	Statement AV; Page 15, Line 31	22
23	3,244,395	Statement BK-1; Page 2, Line 26	23
24	\$ 373,268	Line 22 x Line 23	24
25			25
26	\$ 2,333	Statement AQ; Page 11, Line 1	26
27	(265)	Statement AR; Page 12, Line 1	27
28	-	Statement AR; Page 12, Line 3	28
29	(5,518)	Statement AU; Page 13, Line 11	29
30	-	Misc. Statement; Page 17, Line 1	30
31	-	Statement AU; Page 13, Line 13	31
32			32
33	\$ 676,005	Line 20 + Sum Lines (24 thru 31)	33
34			34
35	<u>B. Incentive ROE Project Transmission Revenue:</u>		
36	\$ -	Statement AJ; Page 7; Line 21	36
37			37
38	0.0000% ⁴	Statement AV; Page 16, Line 31	38
39	\$ -	Statement BK-1; Page 2; Line 31	39
40	\$ -	Line 38 x Line 39	40
41			41
42	\$ -	Sum Lines 36; 40	42
43			43
44	<u>C. Incentive Transmission Plant Abandoned Project Revenue:</u>		
45	\$ -	Statement AJ; Page 7; Line 25	45
46			46
47	\$ -	Statement BK-1; Page 2; Line 36	47
48	11.5050%	Statement AV; Page 15, Line 31	48
49	\$ -	Line 47 x Line 48	49
50			50
51	\$ -	Sum Lines 45; 49	51
52			52
53	<u>D. Incentive Transmission Construction Work In Progress (CWIP) Revenue:</u>		
54	\$ -	Statement BK-1; Page 2; Line 38	54
55	11.5050%	Statement AV; Page 15, Line 31	55
56	\$ -	Line 54 x Line 55	56
57			57
58	\$ -	Sum Lines 42; 51; 56	58
59			59
60	\$ 676,005	Sum Lines 33; 58	60

¹ The incentive rate cost components for each ROE incentive project will be tracked and shown separately for each project and lines 36 through 40 will be repeated for each project. As a result, the data on this page may carryover to the next page.

² Incentive Transmission CWIP shall be the CWIP for which SDG&E is authorized to collect incentives under FERC Order No. 679 and will be tracked and shown for each project and lines 54 through 56 will be repeated for each project.

³ Total Prior Year Revenues (PYRR) or Base Period Revenue is for 12 months ending the applicable cycle base period.

⁴ The Incentive Cost of Capital Rate will be tracked and shown separately for each project. However, this will be entered as 0% in BK-1 when there's no incentive project to show.

⁵ Blank lines that show up in the Formula Rate Spreadsheet will not be populated with any numbers absent a Section 205 filing to approve the blank lines.

San Diego Gas & Electric Company
Statement BK-1
Derivation of End Use Prior Year Revenue Requirements (PYRR_{EU})
For the Base Period & True-Up Period Ending December 31, 2016
(\$1,000)

Line No.	Amounts	Reference	Line No.
<u>A. Transmission Rate Base:</u>			
1			1
<u>Net Transmission Plant:</u>			
2			2
3	\$ 3,959,698	Statement BK-1; Page 3; Line 16	3
4	13,463	Statement BK-1; Page 3; Line 17	4
5	35,760	Statement BK-1; Page 3; Line 18	5
6	65,669	Statement BK-1; Page 3; Line 19	6
7	<u>\$ 4,074,590</u>	Sum Lines 2 thru 5	7
<u>Rate Base Additions:</u>			
9	\$ 5,654	Statement AG; Page 4; Line 1	9
10	-	Misc. Statement; Page 17, Line 4	10
11	<u>\$ 5,654</u>	Sum Lines 9 thru 10	11
<u>Rate Base Reductions:</u>			
14	\$ (905,037)	Statement AF; Page 3; Line 5	14
15	-	Statement AF; Page 3; Line 9	15
16	<u>\$ (905,037)</u>	Sum Lines 14 thru 15	16
<u>Working Capital:</u>			
19	\$ 37,814	Statement AL; Page 9; Line 5	19
20	16,028	Statement AL; Page 9; Line 9	20
21	15,346	Statement AL; Page 9; Line 19	21
22	<u>\$ 69,188</u>	Sum Lines 19 thru 21	22
24	-	Misc. Statement; Page 17, Line 7	24
26	<u>\$ 3,244,395</u>	Sum Lines 6; 11; 16; 22; 24	26
<u>B. Incentive ROE Project Transmission Rate Base:</u>			
29	\$ -	Statement BK-1; Page 3; Line 25	29
30	-	Statement AF; Page 3; Line 7	30
31	<u>\$ -</u>	Sum Lines 29 thru 30	31
<u>C. Incentive Transmission Plant Abandoned Project Rate Base:</u>			
34	\$ -	Misc. Statement; Page 17, Line 10	34
35	-	Statement AF; Page 3; Line 11	35
36	<u>\$ -</u>	Sum Lines 34 thru 35	36
<u>D. Incentive Transmission Construction Work In Progress ²</u>			
38	<u>\$ -</u>	Statement AM; Page 10; Line 1	38

¹ The Incentive ROE Transmission Plant will be tracked and shown for each incentive project and lines 29 through 31 will be repeated for each project.

² Incentive CWIP projects will be tracked separately and line 38 will be shown for each project.

San Diego Gas & Electric Company
Statement BK-1
Derivation of End Use Prior Year Revenue Requirements (PYRR_{EU})
For the Base Period & True-Up Period Ending December 31, 2016
(\$1,000)

Line No.	Amounts	Reference	Line No.
A. Transmission Plant:			
1			1
<u>Gross Transmission Plant:</u>			
2			2
3	\$ 4,857,202	Statement AD; Page 1, Line 15	3
4	26,074	Statement AD; Page 1, Line 31	4
5	58,773	Statement AD; Page 1, Line 33	5
6	131,261	Statement AD; Page 1, Line 35	6
7	<u>\$ 5,073,310</u>	Sum Lines 2 thru 5	7
<u>Transmission Related Depreciation Reserve:</u>			
8			8
9	\$ 897,504	Statement AE; Page 2, Line 1	9
10	12,611	Statement AE; Page 2, Line 11	10
11	23,013	Statement AE; Page 2, Line 13	11
12	65,592	Statement AE; Page 2, Line 15	12
13	<u>\$ 998,720</u>	Sum Lines 9 thru 12	13
14			14
<u>Net Transmission Plant:</u>			
15			15
16	\$ 3,959,698	Line 2 Minus Line 9	16
17	13,463	Line 3 Minus Line 10	17
18	35,760	Line 4 Minus Line 11	18
19	65,669	Line 5 Minus Line 12	19
20	<u>\$ 4,074,590</u>	Sum Lines 16 thru 19	20
21			21
B. Incentive Project Transmission Plant:			
22			22
23	\$ -	Statement AD; Page 1, Line 17	23
24	-	Statement AE; Page 2, Line 19	24
25	<u>\$ -</u>	Line 23 Minus Line 24	25

¹ The Incentive ROE Transmission Plant and depreciation reserve will be tracked and shown for each incentive project and lines 23 and 24 will be repeated for each project.

San Diego Gas & Electric Company
Statement BK-1
Derivation of End Use Forecast Period Capital Additions Revenue Requirements (FC_{EU})
For the Forecast Period January 1, 2017 - December 31, 2018
(\$1,000)

Line No.	Amounts	Reference	Line No.
ANNUAL FIXED CHARGES APPLICABLE TO CAPITAL PROJECTS			
1			1
A. Derivation of Annual Fix Charge Rate (AFCR_{EU}) Applicable to			
2			2
Weighted Forecast Plant Additions:			
3	\$ 676,005	Statement BK-1; Page 1; Line 33	3
4	(36,625)	Statement BK-1; Page 1; Line 2 * 50%	4
5	(24,758)	Statement BK-1; Page 1; Line 4 * 50%	5
6	-	Statement BK-1; Page 1; Line 6	6
7	-	Statement BK-1; Page 1; Line 12	7
8	(2,333)	Statement BK-1; Page 1; Line 26	8
9	265	Statement BK-1; Page 1; Line 27	9
10	-	Statement BK-1; Page 1; Line 28	10
11	-	Statement BK-1; Page 1; Line 31	11
12	\$ 612,554	Sum Lines 3 thru 11	12
13			13
14	\$ 5,073,310	Statement BK-1; Page 3, Line 6	14
15			15
16	12.0741%	Line 12 / Line 14	16
17			17
18	\$ -	Summary of HV-LV Plant Additions; Pg 1; Ln 5, Col. (f)	18
19			19
20	\$ -	Line 16 x Line 18	20

San Diego Gas & Electric Company
Statement BK-1
Derivation of End Use Forecast Period Capital Additions Revenue Requirements (FC_{EU})
For the Forecast Period January 1, 2017 - December 31, 2018
(\$1,000)

Line No.	Amounts	Reference	Line No.
ANNUAL FIXED CHARGES APPLICABLE TO INCENTIVE CAPITAL PROJECTS			
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

¹ The Incentive Annual Fixed Charge Rate will be tracked and shown for each incentive project as applicable.

San Diego Gas & Electric Company
Statement BK-1
Derivation of End Use Base Transmission Revenue Requirements (BTRR_{EU})
For the Rate Effective Period January 1, 2018 - December 31, 2018
(\$1,000)

Line No.		Amounts	Reference	Line No.
1	<u>A. End Use Customer Base Transmission Revenue Requirement (BTRR_{EU}):</u>			1
2				2
3	End of Prior Year Revenues (PYRR _{EU}) Excluding FF&U	\$ 676,005	Statement BK-1; Page 1; Line 33	3
4				4
5	Incentive End of Prior Year Revenues (PYRR _{EU-IR}) Excluding FF&U	-	Statement BK-1; Page 1; Line 58	5
6				6
7	Sub-Total Base Period Revenues	\$ 676,005	Sum Lines 3 thru 5	7
8				8
9	Retail True-Up Period Adjustment	\$ -	(Retail TU Adj; Total Col; Line 29) / 1,000	9
10				10
11	Retail Interest True-Up Adjustment ¹	-	(Retail Int TU-1 + Retail Int TU-2; Ttl Col; Ln 18)/1,000	11
12				12
13	Sub-Total True-Up Adjustments	\$ -	Sum Lines 9 thru 11	13
14				14
15	<u>B. Annual Fixed Charges Applicable to Capital Projects:</u>			15
16				16
17	Forecast Period Capital Addition Revenue Requirements	\$ -	Statement BK-1; Page 4, Line 20	17
18				18
19	<u>C. Annual Fixed Charges Applicable to Incentive Capital Projects:</u>			19
20				20
21	Forecast Period Incentive Capital Additions Revenue Requirements (FC _{EU-IR-ROE})	\$ -	Statement BK-1; Page 5, Line 20	21
22				22
23	<u>D. Incentive Forecast Transmission CWIP Revenues:</u>			23
24				24
25	Incentive Transmission Forecast CWIP Projects Revenue Requirements	\$ -	Statement BK-1; Page 5, Line 37	25
26				26
27	<u>E. Subtotal BTRR_{EU} Excluding FF&U:</u>	\$ 676,005	Sum Lines 7; 13; 17; 21; 25	27
28				28
29	Transmission Related Municipal Franchise Fees Expenses	6,970	Line 27 x 1.031%	29
30	Transmission Related Uncollectible Expense	1,176	Line 27 x 0.174%	30
31				31
32	<u>F. Total Retail BTRR_{EU} With FF&U</u>	\$ 684,151	Sum Lines 27 thru 30	32

¹ This amount represents the Interest True-Up Adjustment on the previous cycle True-Up Adjustment under-collection/(over-collection) balance.

San Diego Gas & Electric Company

True-Up Period

Statement – BL

Rate Design Information

Docket No. ER18-____-____

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulate Rate Filing
True-Up Period Rate Design Information
For the True-Up Period January 1, 2016 - December 31, 2016
Summary of Transmission Rates

Line No.	Customer Classes	(A) Transmission Energy Rates \$/kWh	(B) Transmission Level Demand Rates \$/kW-Mo	(C) Primary Level Demand Rates \$/kW-Mo	(D) Secondary Level Demand Rates \$/kW-Mo	Reference	Line No.
1	Residential	\$ 0.0435413				Page 3; Line 7	1
2							2
3	Small Commercial	\$ 0.0347068				Page 4; Line 7	3
4							4
5	Medium & Large Commercial/Industrial						5
6	Non-Coincident Demand (100%) ¹		\$ 11.3875664	\$ 11.4384795	\$ 11.8457844	Page 5; Lines 35; 34; 33	6
7							7
8	Non-Coincident Demand (90%) ²		\$ 10.2488098	\$ 10.2946316	\$ 10.6612060	Page 6; Lines 8; 7; 6	8
9							9
10	Maximum On-Peak Period Demand ³						10
11	Summer		\$ 1.8395044	\$ 1.8477287	\$ 1.9135232	Page 7; Lines 37; 36; 35	11
12	Winter		\$ 0.5494126	\$ 0.5518690	\$ 0.5715201	Page 8; Lines 30; 29; 28	12
13							13
14	Maximum Demand at the Time of System Peak ⁴						14
15	Summer		\$ 2.2119469	\$ 2.2218364	\$ -	Page 9; Lines 37; 36; 35	15
16	Winter		\$ 0.5528416	\$ 0.5553134	\$ -	Page 10; Lines 33; 32; 31	16
17						Page 11; Line 5	17
18	Agricultural (Schedules PA and TOU-PA)	\$ 0.0218635					18
19							19
20	Agricultural (Schedule PA-T-1)						20
21	Non-Coincident Demand (100%) ¹		\$ -	\$ 5.3103820	\$ 5.4994757	Page 12; Lines 31; 30; 29	21
22							22
23	Street Lighting	\$ 0.0254864				Page 13; Line 7	23
24							24
25	Standby Rate		\$ 5.1329694	\$ 5.1559186	\$ 5.3395121	Page 14; Lines 35; 34; 33	25

NOTES:

- ¹ Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1.
- ² NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.
- ³ Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.
- ⁴ Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU.
- ⁵ Summer = May-Oct; Winter = Nov-Apr.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Allocation of Base Transmission Revenue Requirements (BTRR) Based on 12 CPs
(\$1,000)

Line No.	Customer Classes	(A) Total 12 CPs kW @ Transmission Level ²	(B) Percentages ³	(C) Allocated Base Transmission Revenue Requirement	Reference	Line No.
1	Total Base Transmission Revenue Requirement ¹			\$ 684,151	Statement BK-1; Page 6; Line 32	1
2						2
3	<u>Allocation of BTRR Based on 12-CP:</u>					3
4	Residential	16,991,432	42.5915%	\$ 291,390	Col.C Ln 4 = Col C Ln1 x Col B. Ln 4	4
5	Small Commercial	4,226,001	10.5931%	\$ 72,473	Col.C Ln 5 = Col C Ln1 x Col B. Ln 5	5
6	Medium & Large Commercial/Industrial	17,511,646	43.8955%	\$ 300,312	Col.C Ln 6 = Col C Ln1 x Col B. Ln 6	6
7	Agricultural	418,237	1.0484%	\$ 7,172	Col.C Ln 7 = Col C Ln1 x Col B. Ln 7	7
8	Street Lighting Revenues	120,672	0.3025%	\$ 2,069	Col.C Ln 8 = Col C Ln1 x Col B. Ln 8	8
9	Standby Revenues	625,974	1.5691%	\$ 10,735	Col.C Ln 9 = Col C Ln1 x Col B. Ln 9	9
10						10
11	Total	39,893,962	100.0000%	\$ 684,151	Sum Lines 4 thru 9	11
12						12
13	Total	39,893,962		\$ 684,151	Line 11	13

NOTES:

¹ Total Base TRR comes from TO4-Cycle 5 Section 2.1; Page 1.2; Line 19 and Statement BK-1; Page 6; Line 32

² Page 16; Column D.

³ Page 16; Column E.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Residential Customers¹
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Residential - Allocated Transmission Revenue Requirements	\$ 291,390	Page 2; Col. (C); Line 4	1
2	Billing Determinants - Residential Customer Class (MWh):	6,692,278	Page 18.1; Line 4	2
3	Residential Energy Rate Per kWh	\$ 0.0435413	Line 1 / Line 3	3
4	Residential Energy Rate Per kWh - Rounded	\$ 0.0435413	Line 5, Rounded to 7 Decimal Places	4
5	Proof of Revenues	\$ 291,390	Line 3 x Line 7	5
6	Difference	\$ -	Line 1 - Line 9	6
7				7
8				8
9				9
10				10
11				11

NOTES:

¹ Residential customers include the following California Public Utilities Commission (CPUC) tariffs:
DR, DR-LI, DM, DS, DT, DT-RV, DR-TOU, DRSES, EV-TOU, EV-TOU-2, DRTOU, DRTPDPSH, EPEVL, EPEVM, EPEVH.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Small Commercial Customers¹
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Small Commercial - Allocated Transmission Revenue Requirement	\$ 72,473	Page 2; Col. (C); Line 5	1
2	Billing Determinants - Small Commercial (MWh):	2,088,145	Page 18.1; Line 5	2
3	Rate Per kWh Calculation	\$ 0.0347068	Line 1 / Line 3	3
4	Rate Per kWh Calculation - Rounded	\$ 0.0347068	Line 5, Rounded to 7 Decimal Places	4
5	Proof of Revenues	\$ 72,473	Line 7 x Line 3	5
6	Difference	\$ -	Line 1 - Line 9	6
7				7
8				8
9				9
10				10
11				11

NOTES:

¹ Small commercial customers include the following California Public Utilities Commission (CPUC) tariffs:
A, A-TC, A-TOU, UM, ATS, ASTOD, ASTODPSW.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Medium-Large Commercial Customers ¹
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Med-Lrg C&I - Demand Revenue Requirement	\$ 300,312	Page 2; Col. (C); Line 6	1
2	Demand Determinants @ Transmission Level Used to Allocate			2
3	Total Class Revenues to Voltage Level with Loss Factor Adjustment (MW): ²			3
4	Secondary	20,421	Page 17; Col. D; Line 23	4
5	Primary	4,709	Page 17; Col. D; Line 24	5
6	Transmission	1,413	Page 17; Col. D; Line 25	6
7	Total	26,543	Sum Lines 4; 5; 6	7
8	Allocation Factors Per Above to Allocate			8
9	Demand Revenue Requirements to Voltage Level:			9
10	Secondary	76.93%	Line 4 / Line 7	10
11	Primary	17.74%	Line 5 / Line 7	11
12	Transmission	5.32%	Line 6 / Line 7	12
13	Total	100.00%	Sum Lines 10; 11; 12	13
14				14
15	Allocation of Revenue Requirements to Voltage Level			15
16	Secondary	\$ 231,040	Line 1 x Line 10	16
17	Primary	\$ 53,281	Line 1 x Line 11	17
18	Transmission	\$ 15,990	Line 1 x Line 12	18
19	Total	\$ 300,312	Sum Lines 16; 17; 18	19
20				20
21	Demand Determinants By Voltage Level @ Meter Level (MW)			21
22	Secondary	19,504	Page 17; Col. B; Line 23	22
23	Primary	4,658	Page 17; Col. B; Line 24	23
24	Transmission	1,404	Page 17; Col. B; Line 25	24
25	Total	25,566	Sum Lines 22; 23; 24	25
26				26
27	Demand Rate By Voltage @ Meter			27
28	Secondary	\$ 11.8457844	Line 16 / Line 22	28
29	Primary	\$ 11.4384795	Line 17 / Line 23	29
30	Transmission	\$ 11.3875664	Line 18 / Line 24	30
31				31
32	Demand Rate By Voltage @ Meter (Rounded)			32
33	Secondary	\$ 11.8457844	Line 28, Rounded to 7 Decimal Places	33
34	Primary	\$ 11.4384795	Line 29, Rounded to 7 Decimal Places	34
35	Transmission	\$ 11.3875664	Line 30, Rounded to 7 Decimal Places	35
36				36
37	Proof of Revenue Calculations:			37
38	Secondary	\$ 231,040	Line 22 x Line 33	38
39	Primary	\$ 53,281	Line 23 x Line 34	39
40	Transmission	\$ 15,990	Line 24 x Line 35	40
41	Total	\$ 300,312	Sum Lines 38; 39; 40	41
42				42
43	Difference	\$ -	Line 1 - Line 41	43

NOTES:

- ¹ Medium-Large commercial customers include the following California Public Utilities Commission (CPUC) tariffs:
AD, AL-TOU, A6-TOU, AY-TOU, A6TOUCP2, ADCP2, ALTOUCP2, ALTOUDGR, ATOUCP2, AYTOUCP2, ALDGRCP2, OLTOU, OL-TOUCP2.
- ² LF = Transmission Loss Factor; Secondary Level = 1.0470; Primary Level = 1.0110; Transmission Level = 1.0065

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Medium-Large Commercial Customers
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Rate Proposal 90% of Total M&L C&I NCD Rates: ¹	90.00%		1
2	Secondary	\$ 10.6612060	90% x Page 5; Line 33	2
3	Primary	\$ 10.2946316	90% x Page 5; Line 34	3
4	Transmission	\$ 10.2488098	90% x Page 5; Line 35	4
5	Rate Proposal 90% of Total M&L C&I NCD Rates (Rounded):			5
6	Secondary	\$ 10.6612060	Line 2, Rounded to 7 Decimal Places	6
7	Primary	\$ 10.2946316	Line 3, Rounded to 7 Decimal Places	7
8	Transmission	\$ 10.2488098	Line 4, Rounded to 7 Decimal Places	8
9	<u>Pertaining to Schedules @ 90% NCD with Maximum On-Peak Period Demand: ²</u>			9
10	NCD Determinants By Voltage Level @ Meter Level (MW)			10
11	Secondary	19,357	Page 17; Col. B; Line 10	11
12	Primary	4,430	Page 17; Col. B; Line 11	12
13	Transmission	269	Page 17; Col. B; Line 12	13
14	Total	24,055	Sum Lines 11; 12; 13	14
15	<u>Annual Revenues from Current NCD Rate 100% of Total M&L C&I NCD Rates:</u>			15
16	Secondary	\$ 229,294	Line 11 x Page 5; Line 33	16
17	Primary	\$ 50,671	Line 12 x Page 5; Line 34	17
18	Transmission	\$ 3,058	Line 13 x Page 5; Line 35	18
19	Total	\$ 283,023	Sum Lines 16; 17; 18	19
20	<u>Annual Revenues from Proposed NCD Rate 90% of Total M&L C&I NCD Rates:</u>			20
21	Secondary	\$ 206,365	Line 6 x Line 11	21
22	Primary	\$ 45,604	Line 7 x Line 12	22
23	Transmission	\$ 2,752	Line 8 x Line 13	23
24	Total	\$ 254,721	Sum Lines 21; 22; 23	24
25	<u>Revenue Reallocation to Maximum On-Peak Period Demands:</u>			25
26	Secondary	\$ 22,929	Line 16 - Line 21	26
27	Primary	\$ 5,067	Line 17 - Line 22	27
28	Transmission	\$ 306	Line 18 - Line 23	28
29	Total - Reallocated to MAXIMUM ON-PEAK PERIOD DEMANDS	\$ 28,302	Sum Lines 26; 27; 28	29
30	<u>Pertaining to Schedules @ 90% NCD with Maximum Demand at Time of System Peak: ³</u>			30
31	NCD Determinants By Voltage Level @ Meter Level (MW)			31
32	Secondary	-	Page 17; Col. B; Line 17	32
33	Primary	226	Page 17; Col. B; Line 18	33
34	Transmission	1,136	Page 17; Col. B; Line 19	34
35	Total	1,362	Sum Lines 32; 33; 34	35
36	<u>Annual Revenues from Current NCD Rate 100% of Total M&L C&I NCD Rates:</u>			36
37	Secondary	\$ -	Line 32 x Page 5; Line 32	37
38	Primary	\$ 2,589	Line 33 x Page 5; Line 33	38
39	Transmission	\$ 12,933	Line 34 x Page 5; Line 34	39
40	Total	\$ 15,522	Sum Lines 37; 38; 39	40
41	<u>Annual Revenues from Proposed NCD Rate 90% of Total M&L C&I NCD Rates:</u>			41
42	Secondary	\$ -	Line 6 x Line 32	42
43	Primary	\$ 2,331	Line 7 x Line 33	43
44	Transmission	\$ 11,639	Line 8 x Line 34	44
45	Total	\$ 13,970	Sum Lines 42; 43; 44	45
46	<u>Revenue Reallocation to Maximum Demand at the Time of System Peak:</u>			46
47	Secondary	\$ -	Line 37 - Line 42	47
48	Primary	\$ 259	Line 38 - Line 43	48
49	Transmission	\$ 1,293	Line 39 - Line 44	49
50	Total	\$ 1,552	Sum Lines 47; 48; 49	50

NOTES:

- ¹ 90% NCD Rates are applicable to the following California Public Utilities Commission (CPUC) tariffs:
AY-TOU, AL-TOU, DG-R, and A6-TOU.
- ² 90% NCD Rates and Maximum On-Peak Period Demand charges are applicable to the following California Public Utilities Commission (CPUC) tariffs:
AY-TOU, AL-TOU, and DG-R.
- ³ 90% NCD Rates and Maximum Demand at Time of System Peak charges are applicable to the following California Public Utilities Commission (CPUC) tariffs:
A6-TOU

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Medium-Large Commercial Customers
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Med-Lrg C&I Maximum On-Peak Period Demand Proposal			1
2	Revenue Reallocation to Maximum On-Peak Period Demands: ¹	\$ 28,302	Page 6; Line 29	2
3				3
4	Summer - Maximum On-Peak Period Demands By Voltage Level @ Meter Level (MW) ²			4
5	Secondary	9,188	Page 17; Col. B; Line 30	5
6	Primary	2,462	Page 17; Col. B; Line 31	6
7	Transmission	278	Page 17; Col. B; Line 32	7
8	Total	11,928	Sum Lines 5; 6; 7	8
9	Summer - Maximum On-Peak Period Demands By Voltage Level @ Trans. Level (MW)			9
10	Secondary	9,620	Page 17; Col. D; Line 30	10
11	Primary	2,489	Page 17; Col. D; Line 31	11
12	Transmission	280	Page 17; Col. D; Line 32	12
13	Total	12,389	Sum Lines 11; 12; 13	13
14				14
15	Summer Maximum On-Peak Period Allocation to Voltage Levels			15
16	Secondary	77.65%	Line 11 / Line 14	16
17	Primary	20.09%	Line 12 / Line 14	17
18	Transmission	2.26%	Line 13 / Line 14	18
19	Total	100.00%	Sum Lines 17; 18; 19	19
20				20
21	Share of Total Revenue Allocation to Summer Peak Period	80.00%		21
22	Revenues for Proposed Summer Maximum On-Peak Period Demand Rates			22
23	Secondary	\$ 17,582	(Line 2 x Line 21) x Line 17	23
24	Primary	\$ 4,549	(Line 2 x Line 21) x Line 18	24
25	Transmission	\$ 511	(Line 2 x Line 21) x Line 19	25
26	Total	\$ 22,642	Sum Lines 23; 24; 25	26
27	Summer Maximum On-Peak Period Demand Rates ³	\$/kW		27
28	Secondary	\$ 1.9135232	Line 23 / Line 5	28
29	Primary	\$ 1.8477287	Line 24 / Line 6	29
30	Transmission	\$ 1.8395044	Line 25 / Line 7	30
31				31
32				32
33	Summer Maximum On-Peak Period Demand Rates (Rounded)	\$/kW		33
34	Secondary	\$ 1.9135232	Line 29, Rounded to 7 Decimal Places	34
35	Primary	\$ 1.8477287	Line 30, Rounded to 7 Decimal Places	35
36	Transmission	\$ 1.8395044	Line 31, Rounded to 7 Decimal Places	36
37				37

NOTES:

- ¹ Revenues to be reallocated from NCD to recovery from Maximum On-Peak Period Demands for the following California Public Utilities Commission (CPUC) tariffs:
AY-TOU, AL-TOU, DG-R
- ² Summer Maximum On-Peak Period Determinants for the following California Public Utilities Commission (CPUC) tariffs:
AY-TOU, AL-TOU, DG-R
- ³ Summer Maximum On-Peak Period Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:
AY-TOU, AL-TOU, DG-R

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Medium-Large Commercial Customers
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Winter Maximum On-Peak Period Demands By Voltage Level @ Meter Level (MW) ¹			1
2	Secondary	7,806	Page 17; Col. B; Line 35	2
3	Primary	1,959	Page 17; Col. B; Line 36	3
4	Transmission	214	Page 17; Col. B; Line 37	4
5	Total	9,980	Sum Lines 3; 4; 5	5
6	Winter Maximum On-Peak Period Demands @ Transmission Level (MW)			6
7	Secondary	8,173	Page 17; Col. D; Line 35	7
8	Primary	1,981	Page 17; Col. D; Line 36	8
9	Transmission	216	Page 17; Col. D; Line 37	9
10	Total	10,370	Sum Lines 7; 8; 9	10
11	Winter Maximum On-Peak Period Allocation to Voltage Levels			11
12	Secondary	78.81%	Line 7 / Line 10	12
13	Primary	19.10%	Line 8 / Line 10	13
14	Transmission	2.08%	Line 9 / Line 10	14
15	Total	100.00%	Sum Lines 12; 13; 14	15
16	Share of Total Revenue Allocation to Winter Peak Period (October through April)	20.00%		16
17	Revenues for Proposed Winter Maximum On-Peak Period Demand Rates			17
18	Secondary	\$ 4,461	(Page 7; Line 2 x Page 8; Line 16) x Line 12	18
19	Primary	\$ 1,081	(Page 7; Line 2 x Page 8; Line 16) x Line 13	19
20	Transmission	\$ 118	(Page 7; Line 2 x Page 8; Line 16) x Line 14	20
21	Total	\$ 5,660	Sum Lines 18; 19; 20	21
22	Winter Maximum On-Peak Period Demand Rates ²	\$/kW		22
23	Secondary	\$ 0.5715201	Line 18 / Line 2	23
24	Primary	\$ 0.5518690	Line 19 / Line 3	24
25	Transmission	\$ 0.5494126	Line 20 / Line 4	25
26				26
27	Winter Maximum On-Peak Period Demand Rates (Rounded)	\$/kW		27
28	Secondary	\$ 0.5715201	Line 23, Rounded to 7 Decimal Places	28
29	Primary	\$ 0.5518690	Line 24, Rounded to 7 Decimal Places	29
30	Transmission	\$ 0.5494126	Line 25, Rounded to 7 Decimal Places	30
31				31
32	<u>Proof of Revenue Calculations:</u>			32
33	Secondary	\$ 22,043	(Page 7; Line 23) + (Page 8; Line 18)	33
34	Primary	\$ 5,631	(Page 7; Line 24) + (Page 8; Line 19)	34
35	Transmission	\$ 629	(Page 7; Line 25) + (Page 8; Line 20)	35
36	Total	\$ 28,302	Sum Lines 33; 34; 35	36
37	Difference	\$ -	Page 7; Line 2 - Page 8; Line 36	37

NOTES:

¹ Winter Maximum On-Peak Period Determinants for the following California Public Utilities Commission (CPUC) tariffs:
AY-TOU, AL-TOU, DG-R

² Winter Maximum On-Peak Period Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:
AY-TOU, AL-TOU, DG-R

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Medium-Large Commercial Customers
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Med-Lrg C&I Maximum Demand at the Time of System Peak Proposal			1
2	Revenue Reallocation to Maximum Demand at the Time of System Peak ¹	\$ 1,552	Page 6; Line 50	2
3				3
4	Summer Maximum Demand at the Time of System Peak By Voltage Level @ Meter Level (MW) ²			4
5	Secondary	-	Page 17; Col. B; Line 42	5
6	Primary	93	Page 17; Col. B; Line 43	6
7	Transmission	468	Page 17; Col. B; Line 44	7
8	Total	561	Sum Lines 5; 6; 7	8
9	Summer Maximum Demand at the Time of System Peak @ Transmission Level (MW)			9
10	Secondary	-	Page 17; Col. D; Line 42	10
11	Primary	94	Page 17; Col. D; Line 43	11
12	Transmission	471	Page 17; Col. D; Line 44	12
13	Total	565	Sum Lines 11; 12; 13	13
14	Total	565	Sum Lines 11; 12; 13	14
15	Summer Maximum Demand at the time of System Peak Allocation to Voltage Levels (MW)			15
16	Secondary	0.00%	Line 11 / Line 14	16
17	Primary	16.67%	Line 12 / Line 14	17
18	Transmission	83.33%	Line 13 / Line 14	18
19	Total	100.00%	Sum Lines 17; 18; 19	19
20	Total	100.00%	Sum Lines 17; 18; 19	20
21	Share of Total Revenue Allocation to Summer Maximum Demand at the Time of System Peak	80.00%		21
22	Revenues for Proposed Summer Maximum Demand at the Time of System Peak Rates			22
23	Secondary	\$ -	(Line 2 x Line 21) x Line 17	23
24	Primary	\$ 207	(Line 2 x Line 21) x Line 18	24
25	Transmission	\$ 1,035	(Line 2 x Line 21) x Line 19	25
26	Total	\$ 1,242	Sum Lines 23; 24; 25	26
27	Summer Maximum Demand at the Time of System Peak Rates ³	\$/kW		27
28	Secondary	\$ -	Line 23 / Line 5	28
29	Primary	\$ 2.2218364	Line 24 / Line 6	29
30	Transmission	\$ 2.2119469	Line 25 / Line 7	30
31	Transmission	\$ 2.2119469	Line 25 / Line 7	31
32	Transmission	\$ 2.2119469	Line 25 / Line 7	32
33	Summer Maximum Demand at the Time of System Peak Rates (Rounded)	\$/kW		33
34	Secondary	\$ -	Line 29, Rounded to 7 Decimal Places	34
35	Primary	\$ 2.2218364	Line 30, Rounded to 7 Decimal Places	35
36	Transmission	\$ 2.2119469	Line 31, Rounded to 7 Decimal Places	36
37	Transmission	\$ 2.2119469	Line 31, Rounded to 7 Decimal Places	37

NOTES:

- ¹ Revenues to be reallocated from NCD to recovery from Maximum Demand at the time of System Peak for the following California Public Utilities Commission (CPUC) tariffs:
A6-TOU
- ² Summer Maximum Demand at the time of System Peak Determinants for the following California Public Utilities Commission (CPUC) tariffs:
A6-TOU
- ³ Summer Maximum Demand at the time of System Peak Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:
A6-TOU

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Medium-Large Commercial Customers
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Winter Maximum Demand at the Time of System Peak By Voltage Level @ Meter Level (MW) ¹			1
2	Secondary	-	Page 17; Col. B; Line 47	2
3	Primary	77	Page 17; Col. B; Line 48	3
4	Transmission	485	Page 17; Col. B; Line 49	4
5	Total	561	Sum Lines 2; 3; 4	5
6	Winter Maximum Demand at the Time of System Peak @ Transmission Level (MW)			6
7	Secondary	-	Page 17; Col. D; Line 47	7
8	Primary	77	Page 17; Col. D; Line 48	8
9	Transmission	488	Page 17; Col. D; Line 49	9
10	Total	565	Sum Lines 8; 9; 10	10
11	Total	565	Sum Lines 8; 9; 10	11
12	Winter Maximum Demand at the Time of System Peak Allocation to Voltage Levels			12
13	Secondary	0.00%	Line 8 / Line 11	13
14	Primary	13.70%	Line 9 / Line 11	14
15	Transmission	86.30%	Line 10 / Line 11	15
16	Total	100.00%	Sum Lines 14; 15; 16	16
17	Total	100.00%	Sum Lines 14; 15; 16	17
18	Share of Total Revenue Allocation to Winter Maximum Demand at the Time of System Peak	20.00%		18
19	Revenues for Proposed Winter Maximum Demand at the Time of System Peak Rates			19
20	Secondary	\$ -	(Page 9; Line 2 x Page 10; Line 18) x Line 14	20
21	Primary	\$ 43	(Page 9; Line 2 x Page 10; Line 18) x Line 15	21
22	Transmission	\$ 268	(Page 9; Line 2 x Page 10; Line 18) x Line 16	22
23	Total	\$ 310	Sum Lines 20; 21; 22	23
24	Winter Maximum Demand at the Time of System Peak Rates ²	\$/kW		24
25	Secondary	\$ -	Line 20 / Line 2	25
26	Primary	\$ 0.5553134	Line 21 / Line 3	26
27	Transmission	\$ 0.5528416	Line 22 / Line 4	27
28	Transmission	\$ 0.5528416	Line 22 / Line 4	28
29	Winter Maximum Demand at the Time of System Peak Rates (Rounded)	\$/kW		29
30	Secondary	\$ -	Line 26, Rounded to 7 Decimal Places	30
31	Primary	\$ 0.5553134	Line 27, Rounded to 7 Decimal Places	31
32	Transmission	\$ 0.5528416	Line 28, Rounded to 7 Decimal Places	32
33	Transmission	\$ 0.5528416	Line 28, Rounded to 7 Decimal Places	33
34	Proof of Revenue Calculations:			34
35	Secondary	\$ -	(Page 9; Line 23) + (Page 10; Line 20)	35
36	Primary	\$ 250	(Page 9; Line 24) + (Page 10; Line 21)	36
37	Transmission	\$ 1,303	(Page 9; Line 25) + (Page 10; Line 22)	37
38	Transmission	\$ 1,303	(Page 9; Line 25) + (Page 10; Line 22)	38
39	Total	\$ 1,552	Sum Lines 36; 37; 38	39
40	Total	\$ -	Page 9; Line 2 - Page 10; Line 39	40
	Difference	\$ -		

NOTES:

¹ Winter Maximum Demand at the time of System Peak Determinants for the following California Public Utilities Commission (CPUC) tariffs:
A6-TOU

² Winter Maximum Demand at the time of System Peak Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:
A6-TOU

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Agricultural Customers ¹
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Allocated Agricultural Transmission Revenue Requirement	\$ 7,172	Page 2; Col. (C); Line 7	1
2				2
3	Billing Determinants (MWh)	328,056	Page 18.1; Line 9 + Line 10	3
4				4
5	Energy Rate per kWh	\$ 0.0218635	Line 1 / Line 3	5
6				6
7	Energy Rate per kWh - Rounded	\$ 0.0218635	Line 5, Rounded to 7 Decimal Places	7
8				8
9				9
10	Schedules PA and TOU-PA Billing Determinants (MWh)	94,915	Page 18.1; Line 9	10
11				11
12	Annual Revenues from Schedules PA and TOU-PA Energy Rates	\$ 2,075	Line 5 x Line 10	12
13				13
14	Revenue Allocated to Schedule PA-T-1 Non-Coincident Demand Charges	\$ 5,097	Line 1 Less Line 12	14

NOTES:

¹ The following California Public Utilities Commission (CPUC) tariffs are offered to Agricultural customers: Schedules PA, PACP2, PA-T-1, PAT1CP2, P, No demand rates are applicable to Schedules PA and TOU-PA, as shown on this page, Page BL-11.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 4 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2015 - December 31, 2015
Agricultural Customers ¹
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference ³	Line No.
1	Agricultural - Demand Revenue Requirement	\$ 5,097	Page 11; Line 14	1
2				2
3	Non-Coincident Demand Determinants ²			3
4	Secondary	790	Page 17; Col. D; Line 56	4
5	Primary	180	Page 17; Col. D; Line 57	5
6	Transmission	-	Page 17; Col. D; Line 58	6
7	Total	970	Sum Lines 4; 5; 6	7
8				8
9	Allocation Factors Per Above to Allocate			9
10	Demand Revenue Requirements to Voltage Level			10
11	Secondary	81.45%	Line 4 / Line 7	11
12	Primary	18.55%	Line 5 / Line 7	12
13	Transmission	0.00%	Line 6 / Line 7	13
14	Total	100.00%	Sum Lines 11; 12; 13	14
15				15
16	Allocation of Revenue Requirements to Voltage Level			16
17	Secondary	\$ 4,152	Line 1 x Line 11	17
18	Primary	\$ 945	Line 1 x Line 12	18
19	Transmission	\$ -	Line 1 x Line 13	19
20	Total	\$ 5,097	Sum Lines 17; 18; 19	20
21				21
22	Schedule PA-T-1 Demand Determinants by Voltage Level @ Meter Level (MW)			22
23	Secondary	755	Page 17; Col. B; Line 56	23
24	Primary	178	Page 17; Col. B; Line 57	24
25	Transmission	-	Page 17; Col. B; Line 58	25
26	Total	933	Sum Lines 23; 24; 25	26
27				27
28	Non-Coincident Demand Rate by Voltage Level @ Meter			28
29	Secondary	\$ 5.4994757	Line 17 / Line 23	29
30	Primary	\$ 5.3103820	Line 18 / Line 24	30
31	Transmission	\$ -	Line 19 / Line 25	31
32				32
33	Non-Coincident Demand Rate by Voltage Level @ Meter (Rounded)			33
34	Secondary	\$ 5.4994757	Line 29, Rounded to 7 Decimal Places	34
35	Primary	\$ 5.3103820	Line 30, Rounded to 7 Decimal Places	35
36	Transmission	\$ -	Line 31, Rounded to 7 Decimal Places	36
37				37
38	Proof of Revenues			38
39	Secondary	\$ 4,152	Line 23 x Line 34	39
40	Primary	\$ 945	Line 24 x Line 35	40
41	Transmission	\$ -	Line 25 x Line 36	41
42	Total	\$ 5,097	Sum Lines 39; 40; 41	42
43				43
44	Difference	\$ -	Line 1 Less Line 42	44

NOTES:

¹ The following California Public Utilities Commission (CPUC) tariffs are offered to Agricultural customers: Schedules PA, PACP2, PA-T-1, PAT1CP2, PATOD. No demand rates are applicable to Schedules PA and TOU-PA, as shown in Page BL-11

² Non-Coincident Demand (100%) rates applicable to the following CPUC tariff: Schedule PA-T-1.

³ Reference data found in Statement BL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Street Lighting Customers
(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Street Lighting - Allocated Transmission Revenue Requirement	\$ 2,069	Page 2; Col. (C); Line 8	1
2				2
3	Billing Determinants - Street Lighting Customers (MWh) ¹	81,197	Page 18.1; Line 11	3
4				4
5	Rate Per kWh Calculation	\$ 0.0254864	Line 1 / Line 3	5
6				6
7	Rate Per kWh Calculation - Rounded	\$ 0.0254864	Line 5, Rounded to 7 Decimal Places	7
8				8
9	Proof of Revenues:	\$ 2,069	Line 3 x Line 7	9
10				10
11	Difference	\$ -	Line 1 - Line 9	11

NOTES:

¹ Street lighting customers include the following California Public Utilities Commission (CPUC) tariffs: LS1, LS2, LS3, OL1, OL2, DWL.

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Standby Revenues Calculation
(\$000)

Line No.	Description	Derivation of Standby Surcharge & Proof of Revenues Calculation	Reference	Line No.
1	Standby - Demand Revenue Requirement	\$ 10,735	Page 2; Col. (C); Line 9	1
2	<i>Demand Determinants @ Transmission Level Used to Allocate</i>			2
3	Total Class Revenues to Voltage Level with Loss Factor Adjustment (MW): ¹			3
4	Secondary	128	Page 17; Col. D; Line 63	4
5	Primary	1,247	Page 17; Col. D; Line 64	5
6	Transmission	730	Page 17; Col. D; Line 65	6
7	Total	2,105	Sum Lines 4; 5; 6	7
8	<i>Allocation Factors Per Above to Allocate</i>			8
9	<i>Demand Revenue Requirements to Voltage Level:</i>			9
10	Secondary	6.09%	Line 4 / Line 7	10
11	Primary	59.24%	Line 5 / Line 7	11
12	Transmission	34.67%	Line 6 / Line 7	12
13	Total	100.00%	Sum Lines 10; 11; 12	13
14				14
15	Allocation of Revenue Requirements to Voltage Level			15
16	Secondary	\$ 654	Line 1 x Line 10	16
17	Primary	\$ 6,360	Line 1 x Line 11	17
18	Transmission	\$ 3,721	Line 1 x Line 12	18
19	Total	\$ 10,735	Sum Lines 16; 17; 18	19
20				20
21	Demand Determinants By Voltage Level @ Meter (MW)			21
22	Secondary	122	Page 17; Col. B; Line 63	22
23	Primary	1,234	Page 17; Col. B; Line 64	23
24	Transmission	725	Page 17; Col. B; Line 65	24
25	Total	2,081	Sum Lines 22; 23; 24	25
26				26
27	Demand Rate By Voltage Level @ Meter			27
28	Secondary	\$ 5.3395121	Line 16 / Line 22	28
29	Primary	\$ 5.1559186	Line 17 / Line 23	29
30	Transmission	\$ 5.1329694	Line 18 / Line 24	30
31				31
32	Demand Rate By Voltage Level @ Meter (Rounded)			32
33	Secondary	\$ 5.3395121	Line 28, Rounded to 7 Decimal Places	33
34	Primary	\$ 5.1559186	Line 29, Rounded to 7 Decimal Places	34
35	Transmission	\$ 5.1329694	Line 30, Rounded to 7 Decimal Places	35
36				36
37	Proof of Revenue Calculations:			37
38	Secondary	\$ 654	Line 22 x Line 33	38
39	Primary	\$ 6,360	Line 23 x Line 34	39
40	Transmission	\$ 3,721	Line 24 x Line 35	40
41	Total	\$ 10,735	Sum Lines 38; 39; 40	41
42				42
43	Difference	\$ -	Line 1 - Line 41	43

NOTES:

¹ LF = Transmission Loss Factor; Secondary Level = 1.0470; Primary Level = 1.0110; Transmission Level = 1.0065

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Summary of Proof of Revenues
(\$1,000)

Line No.	Customer Classes	(A) Total Revenues Per Cost of Service Study	(B) Total Revenues Per Rate Design	(C) Difference	Reference	Line No.
1	Residential	\$ 291,390	\$ 291,390	\$ -	Page 2; Col C; Line 4 and Page 3; Line 9	1
2						2
3	Small Commercial	72,473	72,473	-	Page 2; Col C; Line 5 and Page 4; Line 9	3
4						4
5	Medium & Large Commercial/Industrial	300,312	300,312	-	Page 2; Col C; Line 6 and Page 5; Line 41	5
6						6
7	Agricultural	7,172	7,172	-	Page 2; Col C; Line 7 and (Page 11; Line 12 + Page 12; Line 42)	7
8						8
9	Street Lighting	2,069	2,069	-	Page 2; Col C; Line 8 and Page 13; Line 9	9
10						10
11	Standby	10,735	10,735	-	Page 2; Col C; Line 9 and Page 14; Line 41	11
12						12
13	Grand Total	\$ 684,151	\$ 684,151	\$ -	Sum Lines 1 thru 11	13

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Development of 12-CP Allocation Factors Using Recorded Data: 2010-2015

Line No.	(a) Customer Class	(b) 5-Year Average Of 12 CPs Kilowatt @ Meter Level	(c) Transmission Loss Factors	(d) = (b) x (c) 5-Year Average Kilowatt @ Transmission Level	(e) Ratio	(g) Reference	Line No.
1	<u>5 Year Average - 12CP Allocation Factors:</u>						1
2	Residential	16,228,684	1.0470	16,991,432	42.5915%	Statement BB; Page 1; Line 1	2
3	Small Commercial	4,036,295	1.0470	4,226,001	10.5931%	Statement BB; Page 1; Line 2	3
4	Medium & Large Commercial/Industrial						4
5	Secondary	12,163,628	1.0470	12,735,319	31.9229%	Statement BB; Page 1; Line 4	5
6	Primary	3,395,680	1.0110	3,433,032	8.6054%	Statement BB; Page 1; Line 5	6
7	Transmission	1,334,620	1.0065	1,343,295	3.3672%	Statement BB; Page 1; Line 6	7
8	Total Medium-Large Commercial	16,893,928	1.0366	17,511,646	43.8955%	Sum Lines 5; 6; 7	8
9							9
10	Agricultural						10
11	Secondary	354,248	1.0470	370,898	0.9297%	Statement BB; Page 1; Line 10	11
12	Primary	46,824	1.0110	47,339	0.1187%	Statement BB; Page 1; Line 11	12
13	Transmission	-	1.0065	-	0.0000%	Statement BB; Page 1; Line 12	13
14	Total Agricultural	401,072	1.0428	418,237	1.0484%	Sum Lines 11; 12; 13	14
15							15
16	Street Lighting	115,255	1.0470	120,672	0.3025%	Statement BB; Page 1; Line 15	16
17	Standby						17
18	Secondary	35,194	1.0470	36,848	0.0924%	Statement BB; Page 1; Line 17	18
19	Primary	357,700	1.0110	361,635	0.9065%	Statement BB; Page 1; Line 18	19
20	Transmission	226,022	1.0065	227,491	0.5702%	Statement BB; Page 1; Line 19	20
21	Total Standby	618,916	1.0114	625,974	1.5691%	Sum Lines 18; 19; 20	21
22							22
23	System Total	38,294,150	1.04178	39,893,962	100.0000%	Sum Lines 2; 3; 8; 14; 16; 21	23

Statement BL
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Retail True-Up Cost of Service Rates
For the True-Up Period January 1, 2016 - December 31, 2016
Development of 12-CP Allocation Factors

Line No.	(A) Customer Class	(B) Recorded Demand Determinants Megawatt @ Meter Level	(C) Transmission Loss Factors ¹	(D) = (B) x (C) Recorded Demand Determinants Megawatt @ Transmission Level	(E) Ratios	Reference	Line No.
1	<u>Recorded Demand Determinants for Medium-Large Commercial Customers:</u>						1
2	Non-Coincident Demand Determinants Pertaining to Customers on Schedules @ 100% NCD Rate						2
3	Secondary	147	1.0470	154	98.82%	Col. B = Page 18.1; Col. Total; Line 38	3
4	Primary	2	1.0110	2	1.18%	Col. B = Page 18.1; Col. Total; Line 39	4
5	Transmission	-	1.0065	-	0.00%	Col. B = Page 18.1; Col. Total; Line 40	5
6	Total	149		156	100.00%	Sum Lines 3; 4; 5	6
7							7
8	Non-Coincident Demand Determinants Pertaining to Customers on Schedules @ 90% NCD Rate with Maximum On-Peak Period Demand						8
9	Secondary	19,357	1.0470	20,266	81.02%	Col. B = Page 18.2; Col. Total; Line 65	9
10	Primary	4,430	1.0110	4,479	17.90%	Col. B = Page 18.2; Col. Total; Line 66	10
11	Transmission	269	1.0065	270	1.08%	Col. B = Page 18.2; Col. Total; Line 67	11
12	Total	24,055		25,015	100.00%	Sum Lines 10; 11; 12	12
13							13
14	Non-Coincident Demand Determinants Pertaining to Customers on Schedules @ 90% NCD Rate with Maximum Demand at the Time of System Peak						14
15	Secondary	-	1.0470	-	0.00%	Col. B = Page 18.3; Col. Total; Line 102	15
16	Primary	226	1.0110	229	16.68%	Col. B = Page 18.3; Col. Total; Line 103	16
17	Transmission	1,136	1.0065	1,143	83.32%	Col. B = Page 18.3; Col. Total; Line 104	17
18	Total	1,362		1,372	100.00%	Sum Lines 17; 18; 19	18
19							19
20	Total Non-Coincident Demand Determinants Pertaining to Medium-Large Commercial Customers						20
21	Secondary	19,504	1.0470	20,421	76.93%	Sum Lines 3; 10; 17	21
22	Primary	4,658	1.0110	4,709	17.74%	Sum Lines 4; 11; 18	22
23	Transmission	1,404	1.0065	1,413	5.32%	Sum Lines 5; 12; 19	23
24	Total	25,566		26,543	100.00%	Sum Lines 23; 24; 25	24
25							25
26	Maximum On-Peak Period Demand Determinants						26
27	Summer Months = (May, June, July, August, September)						27
28	Secondary	9,188	1.0470	9,620	77.65%	Col. B = Page 18.2; Sum "Summer"; Line 75	28
29	Primary	2,462	1.0110	2,489	20.09%	Col. B = Page 18.2; Sum "Summer"; Line 76	29
30	Transmission	278	1.0065	280	2.26%	Col. B = Page 18.2; Sum "Summer"; Line 77	30
31	Total	11,928		12,389	100.00%	Sum Lines 30; 31; 32	31
32							32
33	Winter Months = (October, November, December, January, February, March, April)						33
34	Secondary	7,806	1.0470	8,173	78.81%	Col. B = Page 18.2; Sum "Winter"; Line 75	34
35	Primary	1,959	1.0110	1,981	19.10%	Col. B = Page 18.2; Sum "Winter"; Line 76	35
36	Transmission	214	1.0065	216	2.08%	Col. B = Page 18.2; Sum "Winter"; Line 77	36
37	Total	9,980		10,370	100.00%	Sum Lines 35; 36; 37	37
38	Grand Total	21,908		22,758			38
39							39
40	Maximum Demand at the Time of System Peak Determinants						40
41	Summer						41
42	Secondary	-	1.0470	-	0.00%	Col. B = Page 18.3; Sum "Summer"; Line 112	42
43	Primary	93	1.0110	94	16.67%	Col. B = Page 18.3; Sum "Summer"; Line 113	43
44	Transmission	468	1.0065	471	83.33%	Col. B = Page 18.3; Sum "Summer"; Line 114	44
45	Total	561		565	100.00%	Sum Lines 42; 43; 44	45
46	Winter						46
47	Secondary	-	1.0470	-	0.00%	Col. B = Page 18.3; Sum "Winter"; Line 112	47
48	Primary	77	1.0110	77	13.70%	Col. B = Page 18.3; Sum "Winter"; Line 113	48
49	Transmission	485	1.0065	488	86.30%	Col. B = Page 18.3; Sum "Winter"; Line 114	49
50	Total	561		565	100.00%	Sum Lines 47; 48; 49	50
51	Grand Total	1,122		1,130			51
52							52
53	<u>Recorded Demand Determinants for Agricultural Customers:</u>						53
54	Non-Coincident Demand Determinants Pertaining to						54
55	Customers on Schedule PA-T-1 @ 100% Non-Coincident Demand Rate						55
56	Secondary	755	1.0470	790	81.45%	Col. B = Page 18.4; Column Total; Line 139	56
57	Primary	178	1.0110	180	18.55%	Col. B = Page 18.4; Column Total; Line 140	57
58	Transmission	-	1.0065	-	0.00%	Col. B = Page 18.4; Column Total; Line 141	58
59	Total	933		970	100.00%	Sum Lines 56; 57; 58	59
60							60
61	<u>Recorded Demand Determinants for Standby Customers:</u>						61
62	Contracted Demand Determinants						62
63	Secondary	122	1.0470	128	6.09%	Col. B = Page 18.4; Column Total; Line 149	63
64	Primary	1,234	1.0110	1,247	59.24%	Col. B = Page 18.4; Column Total; Line 150	64
65	Transmission	725	1.0065	730	34.67%	Col. B = Page 18.4; Column Total; Line 151	65
66	Total	2,081		2,105	100.00%	Sum Lines 63; 64; 65	66

¹ LF = Transmission Loss Factor; Secondary Level = 1.0470; Primary Level = 1.0110; Transmission Level = 1.0065

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Line No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
1	SDG&E: System Delivery Determinants												
2	Customer Class Deliveries (MWh)												
3	Residential	664,377	543,082	483,029	468,679	493,972	599,837	697,278	625,433	580,239	516,743	558,579	6,692,278
4	Small Commercial	148,880	127,165	166,698	141,217	174,109	163,158	227,734	207,961	206,798	182,583	178,730	2,088,145
5	Med. & Large Comm./Ind. (AD)	2,818	2,500	2,995	2,695	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
6	Med. & Large Comm./Ind. (excluding AD/A6-TOU)	698,326	604,202	876,701	718,289	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
7	Med. & Large Comm./Ind. (A6-TOU)	46,697	43,116	113,529	71,530	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
8	Agriculture (PA)	4,818	5,690	6,216	6,607	8,665	10,126	10,846	9,813	10,080	8,158	6,495	94,915
9	Agriculture (PA-T-1)	17,772	14,986	15,077	21,080	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
10	Lighting	5,134	6,639	7,022	7,151	6,664	7,223	5,167	7,192	9,018	7,268	5,051	81,197
11	Sale for Resale	6.0	6.2	6.0	9.2	10.4	10.3	4.6	8.6	10.2	6.6	9.3	97.2
12	Total System	1,588,826	1,347,386	1,671,274	1,437,258	1,475,479	1,502,822	1,983,834	1,858,676	1,788,572	1,582,446	1,558,457	19,168,704
13	Med. & Large Comm./Ind.												
14	Rate Schedule Billing Determinants												
15	Schedule AD:												
16	Total Deliveries (MWh)												
17	Total Deliveries (%)	97.54%	97.16%	97.88%	97.58%	97.49%	100.00%	100.00%	91.60%	97.74%	97.72%	97.60%	97.58%
18	% @ Secondary Service	2.46%	2.84%	2.12%	2.42%	2.51%	0.00%	0.00%	8.40%	2.26%	2.28%	2.40%	2.42%
19	% @ Primary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
20	% @ Transmission Service	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
21	Total Deliveries (MWh)	2,749	2,429	2,932	2,630	2,496	2,830	3,385	3,394	3,155	2,930	2,627	34,270
22	MWh @ Secondary Service	69	71	64	65	64	0	0	311	73	68	64	850
23	MWh @ Primary Service	0	0	0	0	0	0	0	0	0	0	0	0
24	MWh @ Transmission Service	2,818	2,500	2,995	2,695	2,560	2,830	3,385	3,706	3,227	2,998	2,691	35,120
25	Maximum Demand (%)	0.4000%	0.4225%	0.4298%	0.4180%	0.4420%	0.4434%	0.4016%	0.4456%	0.4432%	0.4493%	0.4438%	0.4300%
26	% @ Secondary Service	0.2126%	0.2031%	0.2271%	0.2161%	0.2042%	0.0000%	0.0000%	0.2132%	0.2325%	0.2204%	0.1985%	0.2140%
27	% @ Primary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
28	% @ Transmission Service	10.996	10.262	12.602	10.992	11.031	12.547	13.594	15.125	13.981	13.163	11.660	147.375
29	Maximum Demand (MW)	0.147	0.144	0.144	0.141	0.131	0.000	0.000	0.664	0.170	0.150	0.128	1.820
30	MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	MW @ Primary Service	11.143	10.406	12.746	11.133	11.163	12.547	13.594	15.789	14.150	13.313	11.788	149.195
32	MW @ Transmission Service												
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													

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Line No.	Line No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
44		698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
45														
46														
47														
48														
49														
50		80.56%	78.69%	69.27%	82.72%	78.11%	76.48%	72.79%	80.57%	66.99%	73.88%	75.25%	76.58%	75.72%
51		16.16%	18.66%	29.61%	15.95%	20.97%	21.58%	27.25%	18.77%	30.05%	24.17%	23.60%	21.77%	22.64%
52		3.28%	2.65%	1.12%	1.33%	0.92%	1.94%	-0.04%	0.66%	2.96%	1.95%	1.16%	1.66%	1.63%
53		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
54														
55		562,571	475,447	607,291	594,169	507,337	541,680	469,504	774,015	612,652	653,979	586,367	554,379	6,939,391
56		112,849	112,744	259,591	114,567	136,204	152,843	175,791	180,319	274,820	213,950	183,907	157,566	2,075,152
57		22,905	16,011	9,819	9,553	5,976	13,740	-240	6,340	27,070	17,261	9,001	11,983	149,421
58		698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
59														
60		0.2717%	0.2842%	0.2858%	0.2770%	0.2777%	0.2791%	0.2669%	0.2754%	0.2743%	0.2823%	0.2862%	0.2859%	0.2789%
61		0.2278%	0.2186%	0.2052%	0.2664%	0.2181%	0.2106%	0.2002%	0.1885%	0.2156%	0.2150%	0.2063%	0.2194%	0.2135%
62		0.1222%	0.1416%	0.2124%	0.2218%	0.2689%	0.1925%	-1.6554%	0.2229%	0.1824%	0.1948%	0.1592%	0.1489%	0.1797%
63														
64														
65		1,528,506	1,351,220	1,735,637	1,645,847	1,408,875	1,511,830	1,253,105	2,131,639	1,680,505	1,846,182	1,678,282	1,584,990	19,356,617
66		257,071	246,459	532,681	305,207	297,060	321,888	351,933	339,901	592,512	459,994	379,412	345,749	4,429,867
67		27,990	22,672	20,856	21,189	16,068	26,450	3,972	14,133	49,377	33,625	14,330	17,840	268,501
68		1,813,567	1,620,351	2,289,174	1,972,243	1,722,003	1,860,168	1,609,011	2,485,672	2,322,393	2,339,800	2,072,024	1,948,579	24,054,986
69														
70		0.2165%	0.2256%	0.2308%	0.2320%	0.2388%	0.2625%	0.2525%	0.2598%	0.2610%	0.2690%	0.2488%	0.2303%	0.2449%
71		0.2088%	0.1976%	0.2034%	0.2339%	0.2079%	0.2191%	0.2126%	0.2002%	0.2214%	0.2341%	0.2077%	0.2051%	0.2131%
72		0.1936%	0.2364%	0.3251%	0.3542%	0.4314%	0.4028%	-10.9881%	0.4762%	0.2799%	0.3728%	0.3680%	0.2782%	0.3294%
73														
74														
75		1,217,967	1,072,608	1,401,627	1,378,472	1,211,521	1,421,911	1,185,496	2,010,892	1,599,022	1,759,202	1,458,815	1,276,479	16,994,013
76		235,630	222,782	528,009	267,972	283,167	334,880	373,731	360,998	608,452	500,858	381,984	323,117	4,421,580
77		44,344	37,851	31,922	33,838	25,779	55,346	26,367	30,193	75,770	64,350	33,124	33,342	492,225
78		1,497,941	1,333,241	1,961,558	1,680,282	1,520,467	1,812,137	1,585,595	2,402,083	2,283,244	2,324,410	1,873,922	1,632,938	21,907,817
79														
80														

Schedules OL-TOU/JAY-TOU/JAL-TOU/JDG-R:

Total Deliveries (MWh)

Total Deliveries (%)

% @ Secondary Service

% @ Primary Service

% @ Transmission Service

Total Deliveries (MWh)

MWh @ Secondary Service

MWh @ Primary Service

MWh @ Transmission Service

Non-Coincident Demand (%)

% @ Secondary Service

% @ Primary Service

% @ Transmission Service

Non-Coincident Demand (MW)

MW @ Secondary Service

MW @ Primary Service

MW @ Transmission Service

On-Peak Demand (%)

% @ Secondary Service

% @ Primary Service

% @ Transmission Service

On-Peak Demand (MW)

MW @ Secondary Service

MW @ Primary Service

MW @ Transmission Service

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Line No.		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
81		46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
82														
83														
84	Schedule A6-TOU:													
85	Total Deliveries (MWh)													
86		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
87	Total Deliveries (%)													
88	% @ Secondary Service	18.95%	18.73%	7.15%	14.71%	14.13%	18.93%	15.88%	24.94%	17.78%	12.53%	14.18%	18.57%	15.44%
89	% @ Primary Service	81.05%	81.27%	92.85%	85.29%	85.87%	81.07%	84.12%	75.06%	82.22%	87.47%	85.82%	81.43%	84.56%
90	% @ Transmission Service	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
91	Total Deliveries (MWh)													
92	MWh @ Secondary Service	0	0	0	0	0	0	0	0	0	0	0	0	0
93	MWh @ Primary Service	8,849	8,076	8,117	10,522	9,487	12,169	9,410	12,588	11,106	9,158	9,347	11,584	120,413
94	MWh @ Transmission Service	37,848	35,040	105,412	61,008	57,654	52,115	49,845	37,886	51,357	63,927	56,559	50,782	659,433
95		46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
96	Non-Coincident Demand (%)													
97	% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
98	% @ Primary Service	0.1553%	0.1584%	0.1608%	0.2556%	0.1453%	0.1530%	0.1790%	0.2072%	0.1871%	0.1705%	0.2185%	0.2396%	0.1880%
99	% @ Transmission Service	0.1869%	0.1554%	0.1549%	0.1808%	0.1606%	0.1624%	0.1855%	0.1817%	0.1839%	0.1713%	0.1778%	0.1849%	0.1722%
100														
101	Non-Coincident Demand (MW)													
102	MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103	MW @ Primary Service	13.743	12.792	13.053	26.894	13.785	18.618	16.843	26.083	20.779	15.614	20.422	27.759	226.384
104	MW @ Transmission Service	70.738	54.452	163.283	110.303	92.593	84.634	92.463	68.838	94.445	109.508	100.542	93.882	1,135.681
105		84.480	67.244	176.336	137.197	106.378	103.253	109.307	94.921	115.224	125.121	120.964	121.640	1,362.065
106	Coincident Peak Demand (%)													
107	% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
108	% @ Primary Service	0.1788%	0.1302%	0.1494%	0.1169%	0.1426%	0.1719%	0.1079%	0.1670%	0.1598%	0.1072%	0.1054%	0.1377%	0.1410%
109	% @ Transmission Service	0.1209%	0.1493%	0.1446%	0.1356%	0.1462%	0.1376%	0.1696%	0.1411%	0.1436%	0.1565%	0.1591%	0.1209%	0.1444%
110														
111	Coincident Peak Demand (MW)													
112	MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113	MW @ Primary Service	15.822	10.514	12.127	12.300	13.529	20.918	10.153	21.022	17.747	9.817	9.851	15.952	169.754
114	MW @ Transmission Service	45.758	52.315	152.426	82.727	84.291	71.710	84.538	53.457	73.748	100.046	90.001	61.404	952.420
115		61.580	62.829	164.553	95.027	97.819	92.628	94.691	74.479	91.495	109.863	99.852	77.356	1,122.173
116														
117														

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Line No.		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
118		17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
119														
120	Schedule PA-T-1:													
121	Total Deliveries (MWh)	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
122														
123	Total Deliveries (%)	90.50%	77.23%	89.23%	73.29%	85.14%	89.19%	137.65%	72.19%	65.09%	80.59%	65.03%	78.91%	81.40%
124	% @ Secondary Service	9.50%	22.77%	10.77%	26.71%	14.86%	10.81%	-37.65%	27.81%	34.91%	19.41%	34.97%	21.09%	18.60%
125	% @ Primary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
126	% @ Transmission Service	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
127														
128	Total Deliveries (MWh)	16,083	11,574	13,453	15,450	12,968	14,981	21,101	20,409	17,937	16,863	12,687	16,260	189,766
129	MWh @ Secondary Service	1,688	3,412	1,624	5,631	2,263	1,816	-5,771	7,862	9,620	4,061	6,821	4,347	43,375
130	MWh @ Primary Service	0	0	0	0	0	0	0	0	0	0	0	0	0
131	MWh @ Transmission Service	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
132														
133	Non-Coincident Demand (%)	0.4552%	0.5044%	0.4410%	0.4210%	0.4102%	0.4058%	0.3315%	0.3496%	0.3363%	0.3711%	0.4093%	0.4236%	0.3978%
134	% @ Secondary Service	0.4250%	0.4091%	0.3879%	0.3947%	0.2544%	0.4378%	0.3167%	0.4070%	0.4213%	0.3325%	0.4360%	0.3949%	0.4104%
135	% @ Primary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
136	% @ Transmission Service													
137														
138	Non-Coincident Demand (MW)	73.212	58.377	59.328	65.044	53.195	60.791	69.949	71.351	60.324	62.577	51.924	68.885	754.957
139	MW @ Secondary Service	7.175	13.960	6.299	22.224	5.758	7.949	-18.278	32.000	40.531	13.504	29.742	17.166	178.029
140	MW @ Primary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	MW @ Transmission Service	80.387	72.337	65.627	87.267	58.954	68.740	51.670	103.351	100.854	76.081	81.665	86.052	932.986
142														
143														
144														
145														
146														
147	Schedule S: Standby Determinants:													
148	Contracted Standby Demand (MW)													
149	MW @ Secondary Service	9.795	9.799	9.799	9.799	9.774	9.737	9.712	9.688	9.688	11.593	11.526	11.526	122.436
150	MW @ Primary Service	96.539	97.493	99.050	101.841	105.379	106.990	107.012	105.214	105.214	102.225	101.804	104.754	1,233.515
151	MW @ Transmission Service	59.989	59.989	60.501	60.501	60.514	60.465	60.549	60.551	60.554	60.876	60.252	60.245	724.986
152		166.323	167.281	169.350	172.141	175.667	177.192	177.273	175.453	175.456	174.694	173.582	176.525	2,080.937
153														
154														

San Diego Gas & Electric Company

Section 2.1

Summary of Retail 12-Month True-Up Adjustment Calculation

Docket No. ER18-_____ - _____

Section 2.1
SAN DIEGO GAS & ELECTRIC COMPANY
 Summary of Retail True-Up Adjustment Calculation
 For True-Up Period 12 Months Ending
 January 1, 2016 through December 31, 2016
 TO4-Cycle 5 True-Up Adjustment Mechanism

Line No.	TO4-Formula Cycle in Effect											
	Description											
	Cycle-3 Jan-16	Cycle-3 Feb-16	Cycle-3 Mar-16	Cycle-3 Apr-16	Cycle-3 May-16	Cycle-3 Jun-16	Cycle-3 Jul-16					
1	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
2	-	2,656,514	5,465,913	7,616,018	9,926,522	13,262,905	15,453,279					
3	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
4	56,410,414	47,561,135	56,036,643	50,264,330	48,597,267	53,749,808	54,234,273					
5												
6												
7	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
8	(112,942)	(95,779)	(118,802)	(102,167)	(97,648)	(104,884)	(106,828)					
9												
10												
11	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
12	(2,184,149)	(1,852,243)	(2,297,489)	(1,975,789)	(1,888,380)	(2,028,331)	(2,065,919)					
13	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
14	(24,319)	(20,623)	(25,581)	(21,999)	(21,026)	(22,584)	(23,002)					
15	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
16	(2,321,409)	(1,968,645)	(2,441,872)	(2,099,955)	(2,007,053)	(2,155,799)	(2,195,750)					
17	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
18	54,089,004	45,592,489	53,594,771	48,164,374	46,590,214	51,594,008	52,038,523					
19	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
20	56,741,804	48,391,353	55,726,626	50,450,353	49,893,093	53,744,398	54,897,902					
21	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
22	2,652,800	2,798,864	2,131,856	2,285,979	3,202,878	2,150,390	2,859,379					
23	Interest Expense Calculations:											
24	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
25	1,326,400	4,052,231	6,517,591	7,616,018	7,616,018	7,616,018	15,453,279					
26	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
27	1,326,400	4,052,231	6,517,591	8,759,007	11,553,436	14,280,070	16,882,969					
28	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
29	0.280000%	0.260000%	0.280000%	0.280000%	0.290000%	0.280000%	0.300000%					
30	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
31	3,714	10,536	18,249	24,525	33,505	39,984	50,649					
32	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
33	2,656,514	5,465,913	7,616,018	9,926,522	13,262,905	15,453,279	18,363,307					
34												
35	3.25%	3.25%	3.25%	3.46%	3.46%	3.46%	3.50%					
36	366	366	366	366	366	366	366					
37	31	29	31	30	31	30	31					
38	0.280000%	0.260000%	0.280000%	0.280000%	0.290000%	0.280000%	0.300000%					
39	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
40	0.280000%	0.260000%	0.280000%	0.280000%	0.290000%	0.280000%	0.300000%					
41	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
42	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%					

Section 2.1
SAN DIEGO GAS & ELECTRIC COMPANY
Summary of Retail True-Up Adjustment Calculation
For True-Up Period 12 Months Ending
January 1, 2016 through December 31, 2016
TO4-Cycle 5 True-Up Adjustment Mechanism

Line No.	Description	TO4-Formula Cycle in Effect					Total	Reference
		Cycle-3 Aug-16	Cycle-3 Sep-16	Cycle-3 Oct-16	Cycle-3 Nov-16	Cycle-3 Dec-16		
1	Beginning Balance (Overcollection)/Undercollection:	\$ 18,363,307	\$ 21,478,030	\$ 24,144,385	\$ 26,564,896	\$ 26,907,370	\$ -	Previous Month's Balance
2								
3	Total Recorded Retail Revenues @ Meter Level	\$ 72,184,040	\$ 66,831,256	\$ 65,344,257	\$ 57,047,675	\$ 54,988,116	\$ 683,249,213	Statement BH; Page 1; Line 13
4								
5	Amortization of True-Up Adjustment and Interest True-Up Adjustment:							
6	Amortization of TO3 Final True-Up Adjustment and Interest True-Up Adjustment:							
7	i. Amortization of TO3 Final True-Up Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Not Applicable in TO4-Cycle 5 Filing
8	ii. Amortization of TO3 Final Interest True-Up Adjustment	\$ (141,021)	\$ (132,124)	\$ (127,141)	\$ (112,488)	\$ (170,816)	\$ (1,422,639)	Pages 2.1 & 2.2; Line 19
9								
10	Amortization of TO4 Cycle 2 4-month True-Up Adjustment and Interest True-Up Adjustment:							
11	i. Amortization of Cycle 3 True-Up Adjustment	\$ (2,727,163)	\$ (2,555,110)	\$ (2,458,738)	\$ (2,175,378)	\$ (3,303,359)	\$ (27,512,049)	Pages 3.1 & 3.2; Line 19
12	ii. Amortization of Cycle 3 Interest True-Up Adjustment	\$ (30,365)	\$ (28,449)	\$ (27,376)	\$ (24,221)	\$ (36,780)	\$ (306,324)	Pages 4.1 & 4.2; Line 19
13								
14								
15	Total Amortization of True-Up Adjustments	\$ (2,898,548)	\$ (2,715,683)	\$ (2,613,255)	\$ (2,312,087)	\$ (3,510,955)	\$ (29,241,012)	Sum Lines 7 through 12
16								
17	Adjusted Total Recorded Retail Revenues @ Meter Level	\$ 69,285,492	\$ 64,115,573	\$ 62,731,002	\$ 54,735,588	\$ 51,477,161	\$ 654,008,201	Sum Lines 3 & 15
18								
19	Total True-Up Revenues (TU Cost of Service)	\$ 72,340,694	\$ 66,716,190	\$ 65,075,563	\$ 55,000,859	\$ 55,172,583	\$ 684,151,419	Statement BG; Pages 2.1 & 2.2; Line 13
20								
21	Net Monthly (Overcollection)/Undercollection:	\$ 3,055,202	\$ 2,600,617	\$ 2,344,560	\$ 265,271	\$ 3,695,422	\$ 30,143,218	Line 19 Minus Line 17
22								
23	Interest Expense Calculations:							
24	Beginning Balance for Interest Calculation	\$ 15,453,279	\$ 15,453,279	\$ 24,144,385	\$ 24,144,385	\$ 24,144,385	\$ 24,144,385	Beginning Quarterly Balances
25	Monthly Activity Included in Interest Calculation Basis	4,386,980	7,214,890	1,172,280	2,477,196	4,457,543	4,457,543	Interest Calculation Basis
26	Basis for Interest Expense Calculation	19,840,259	22,668,169	25,316,665	26,621,581	28,601,928	28,601,928	Sum Lines 24 & 25
27	Monthly Interest Rate	0.300000%	0.290000%	0.300000%	0.290000%	0.300000%	0.300000%	FERC Monthly Rates
28	Interest Expense	\$ 59,521	\$ 65,738	\$ 75,950	\$ 77,203	\$ 85,806	\$ 545,379	Line 26 x Line 27
29								
30	Ending Balance (Overcollection)/Undercollection:	\$ 21,478,030	\$ 24,144,385	\$ 26,564,896	\$ 26,907,370	\$ 30,688,597	\$ 30,688,597	Sum Lines 1; 21; & 28
31								
32								
33	ANNUAL FERC INTEREST RATE - Website	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	Annual Interest Rate - FERC Website
34	Days in Year	366	366	366	366	366	366	Number of Days Per Year
35	Days in Month	31	30	31	30	31	366	Number of Days Per Month
36	Monthly Interest Rate - Calculated	0.300000%	0.290000%	0.300000%	0.290000%	0.300000%	3.450000%	(Line 33)/(Line 34)(Line 35)
37	Monthly FERC Interest Rates - Website	0.300000%	0.290000%	0.300000%	0.290000%	0.300000%	3.450000%	Monthly Interest Rate - FERC Website
38	Difference	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	Line 36 - Line 37

San Diego Gas & Electric Company

Section 2.1A

Amortization of TO4 Cycle 3 Final
Interest True-Up Adjustment Excluded
from Recorded Revenues to Derive the
Adjusted Retail Revenues at Meter Level

Docket No. ER18-_____-_____

Section 2.1A
SAN DIEGO GAS & ELECTRIC COMPANY
 TO4-Cycle 5 Annual Transmission Formulaic Filing
 Amortization Schedule - TO4 Cycle 3 Retail True-Up Adjustment
 Amortization Period: January 1, 2016 - December 31, 2016

Line No.	Description	(a) Amounts	(b)	(c)	(d)	(e)	(f)	(g)	Line No.
1	Derivation of Amortization Rates:								1
2	TO4-Cycle 3 Interest True-Up Adjustment	\$ 1,422,639							2
3	Forecast Sales TO4-Cycle 3 (kWh)	20,013,225,869							3
4	Estimated Amortization Rate Per kWh	\$ 0.00007							4
5									5
6									6
7	Derivation of Forecast Sales: ¹								7
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	1,721,620	1,599,010	1,559,171	1,510,609	1,541,348	1,613,144	1,781,128	8
9	Exclude Sale for Resale	3	3	3	3	3	3	3	9
10	Total Forecast Sales Net of Resale - MWH	1,721,617	1,599,007	1,559,167	1,510,606	1,541,345	1,613,141	1,781,124	10
11	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000	1,000	1,000	11
12	Total Forecast Sales Net of Resale - kWh	1,721,617,031	1,599,006,965	1,559,167,468	1,510,606,150	1,541,345,272	1,613,141,347	1,781,124,436	12
13									13
14									14
15	Amortization of TO4-Cycle 3 True-Up Adjustment: ²								15
16	Beginning Retail True-Up Adjustment Balance	\$ 1,422,639	\$ 1,309,697	\$ 1,213,918	\$ 1,095,116	\$ 992,949	\$ 895,301	\$ 790,417	16
17	Recorded Sales in Total kWh	1,588,826,407	1,347,386,452	1,671,273,573	1,437,258,099	1,373,673,541	1,475,478,960	1,502,821,950	17
18	Amortization Rate Per kWh	\$ 0.00007	\$ 0.00007	\$ 0.00007	\$ 0.00007	\$ 0.00007	\$ 0.00007	\$ 0.00007	18
19	Amortization of TO4-Cycle 3 True-Up Adjustment	\$ 112,942	\$ 95,779	\$ 118,802	\$ 102,167	\$ 97,648	\$ 104,884	\$ 106,828	19
20	Ending TO4-Cycle 3 True-Up Adjustment Balance	\$ 1,309,697	\$ 1,213,918	\$ 1,095,116	\$ 992,949	\$ 895,301	\$ 790,417	\$ 683,589	20
21									21

NOTES:

- 1 The derivation of forecast sales shown on lines 8 through 12 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.
- 2 On lines 16 through 20, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on line 17, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.

Section 2.1A
SAN DIEGO GAS & ELECTRIC COMPANY
 TO4-Cycle 5 Annual Transmission Formulaic Filing
 Amortization Schedule - TO4 Cycle 3 Retail True-Up Adjustment
 Amortization Period: January 1, 2016 - December 31, 2016

Line No.	Description	(h)	(i)	(j)	(k)	(l)	(m)	Reference	Line No.
1	Derivation of Amortization Rates:								
2	TO3 Final Retail True-Up Adjustment							TO4-Cycle 3 Filing	1
3	Forecast Sales TO4-Cycle 2 (kWh)							Volume 2; Section 2.1A; Page 2; Col. Total; Line 30	2
4	Estimated Amortization Rate Per kWh							See Line 12; Col. M	3
5								Line 2 / Line 3	4
6									5
7	Derivation of Forecast Sales:¹							TO4-Cycle 3 Filing	6
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Vol 3; Stmt BD; Pg BDWP1; Lines 1-12 "Total MWh Sales"	7
9	Exclude Sale for Resale	1,776,122	1,937,643	1,694,614	1,612,917	1,665,936	20,013,263	Vol 3; Stmt BD; Pg BDWP1; Lines 1-12 "Sale for Resale"	8
10	Total Forecast Sales Net of Resale - MWH	3	3	3	3	3	37	Line 8 Minus Line 9	9
11	Conversion Factor from MWH to kWh	1,776,119	1,937,640	1,694,611	1,612,914	1,665,933	20,013,226	MWH Conversion Factor	10
12	Total Forecast Sales Net of Resale - kWh	1,000	1,000	1,000	1,000	1,000	1,000	Line 10 x Line 11	11
13		1,776,119,002	1,937,639,550	1,694,611,354	1,612,913,981	1,665,933,312	20,013,225,869		12
14									13
15	Amortization of TO3 Final Retail True-Up Adjustment:²								14
16	Beginning Retail True-Up Adjustment Balance	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Beginning Balance	15
17	Recorded Sales in Total kWh	\$ 683,589	\$ 542,568	\$ 410,444	\$ 283,304	\$ 170,816		Recorded Sales (January 2016 - December 2016)	16
18	Amortization Rate Per kWh	\$ 1,983,833,536	\$ 1,858,676,431	\$ 1,788,571,971	\$ 1,582,445,958	\$ 1,558,456,842	19,168,703,720	See Line 4 Above	17
19	Amortization of TO3 Final Retail True-Up Adjustment	\$ 141,021	\$ 132,124	\$ 127,141	\$ 112,488	\$ 170,816	\$ 1,422,639	Line 17 x Line 18 (Col. a-k); Col. l = Line 16	18
20	Ending TO3 Final Retail True-Up Adjustment Balance	\$ 542,568	\$ 410,444	\$ 283,304	\$ 170,816	\$ -		Line 16 Minus Line 19	19
21									20

NOTES:

- 1 The derivation of forecast sales shown on lines 8 through 12 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.
- 2 On lines 16 through 20, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on 17, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.

San Diego Gas & Electric Company

Section 2.1B

Amortization of TO4 Cycle 3 True-Up
Adjustment Excluded from Recorded
Revenues to Derive the Adjusted Retail
Revenues at Meter Level

Docket No. ER18-_____-_____

Section 2.1B
SAN DIEGO GAS & ELECTRIC COMPANY
 TO4-Cycle 5 Annual Transmission Formulaic Filing
 Amortization Schedule - TO4 Cycle 3 Retail True-Up Adjustment
 Amortization Period: January 1, 2016 - December 31, 2016

Line No.	Description	(a) Amounts	(b) Feb-16	(c) Mar-16	(d) Apr-16	(e) May-16	(f) Jun-16	(g) Jul-16	Line No.
1	Derivation of Amortization Rates:								1
2	TO4-Cycle 3 Retail True-Up Adjustment	\$ 27,512,049	1,599,010	1,559,171	1,510,609	1,541,348	1,613,144	1,781,128	2
3	Forecast Sales TO4-Cycle 3 (kWh)	20,013,225,869	3	3	3	3	3	3	3
4	Estimated Amortization Rate Per kWh	\$ 0.00137	1,599,007	1,559,167	1,510,606	1,541,345	1,613,141	1,781,124	4
5			1,000	1,000	1,000	1,000	1,000	1,000	5
6			1,599,006,965	1,559,167,468	1,510,606,150	1,541,345,272	1,613,141,347	1,781,124,436	6
7	Derivation of Forecast Sales: ¹								7
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	1,721,620	1,599,010	1,559,171	1,510,609	1,541,348	1,613,144	1,781,128	8
9	Exclude Sale for Resale	3	3	3	3	3	3	3	9
10	Total Forecast Sales Net of Resale - MWH	1,721,617	1,599,007	1,559,167	1,510,606	1,541,345	1,613,141	1,781,124	10
11	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000	1,000	1,000	11
12	Total Forecast Sales Net of Resale - kWh	1,721,617,031	1,599,006,965	1,559,167,468	1,510,606,150	1,541,345,272	1,613,141,347	1,781,124,436	12
13									13
14									14
15	Amortization of TO4-Cycle 3 True-Up Adjustment: ²								15
16	Beginning Retail True-Up Adjustment Balance	\$ 27,512,049	\$ 25,327,900	\$ 23,475,657	\$ 21,178,168	\$ 19,202,379	\$ 17,313,999	\$ 15,285,668	16
17	Recorded Sales in Total kWh	1,588,826,407	1,347,386,452	1,671,273,573	1,437,258,099	1,373,673,541	1,475,478,960	1,502,821,950	17
18	Amortization Rate Per kWh	\$ 0.00137	\$ 0.00137	\$ 0.00137	\$ 0.00137	\$ 0.00137	\$ 0.00137	\$ 0.00137	18
19	Amortization of TO4-Cycle 3 True-Up Adjustment	\$ 2,184,149	\$ 1,852,243	\$ 2,297,489	\$ 1,975,789	\$ 1,888,380	\$ 2,028,331	\$ 2,065,919	19
20	Ending TO4-Cycle 3 True-Up Adjustment Balance	\$ 25,327,900	\$ 23,475,657	\$ 21,178,168	\$ 19,202,379	\$ 17,313,999	\$ 15,285,668	\$ 13,219,749	20
21									21

NOTES:

- 1 The derivation of forecast sales shown on lines 8 through 12 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.
- 2 On lines 16 through 20, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on 17, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.

Section 2.1B
SAN DIEGO GAS & ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Filing
Amortization Schedule - TO4 Cycle 3 Retail True-Up Adjustment
Amortization Period: January 1, 2016 - December 31, 2016

Line No.	Description	(h)	(i)	(j)	(k)	(l)	(m)	Reference	Line No.
1	Derivation of Amortization Rates:								
2	TO3 Final Retail True-Up Adjustment								
3	Forecast Sales TO4-Cycle 2 (kWh)								
4	Estimated Amortization Rate Per kWh								
5									
6	Derivation of Forecast Sales: ¹								
7	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total		
8	Exclude Sale for Resale	1,776,122	1,937,643	1,694,614	1,612,917	1,665,936	20,013,263		
9	Total Forecast Sales Net of Resale - MWH	3	3	3	3	3	37		
10	Conversion Factor from MWH to kWh	1,776,119	1,937,640	1,694,611	1,612,914	1,665,933	20,013,226		
11	Total Forecast Sales Net of Resale - kWh	1,000	1,000	1,000	1,000	1,000	1,000		
12		1,776,119,002	1,937,639,550	1,694,611,354	1,612,913,981	1,665,933,312	20,013,225,869		
13									
14	Amortization of TO3 Final Retail True-Up Adjustment: ²								
15	Beginning Retail True-Up Adjustment Balance	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total		
16	Recorded Sales in Total kWh	\$ 13,219,748	\$ 10,492,585	\$ 7,937,475	\$ 5,478,737	\$ 3,303,359			
17	Amortization Rate Per kWh	\$ 1,983,833,536	\$ 1,858,676,431	\$ 1,788,571,971	\$ 1,582,445,958	\$ 1,558,456,842	19,168,703,720		
18	Ending TO3 Final Retail True-Up Adjustment Balance	\$ 0.00137	\$ 0.00137	\$ 0.00137	\$ 0.00137	\$ 0.00137			
19		\$ 2,727,163	\$ 2,555,110	\$ 2,458,738	\$ 2,175,378	\$ 3,303,359	\$ 27,512,049		
20		\$ 10,492,585	\$ 7,937,475	\$ 5,478,737	\$ 3,303,359	\$ -			
21									

NOTES:

- 1 The derivation of forecast sales shown on lines 8 through 12 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.
- 2 On lines 16 through 20, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on 17, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.

San Diego Gas & Electric Company

Section 2.1C

Amortization of TO4 Cycle 3 Interest
True-Up Adjustment Excluded from
Recorded Revenues to Derive the
Adjusted Retail Revenues at Meter Level

Docket No. ER18-_____-_____

Section 2.1C
SAN DIEGO GAS & ELECTRIC COMPANY
 TO4-Cycle 5 Annual Transmission Formulaic Filing
 Amortization Schedule - TO4 Cycle 3 Retail True-Up Adjustment
 Amortization Period: January 1, 2016 - December 31, 2016

Line No.	Description	(a) Amounts	(b) Feb-16	(c) Mar-16	(d) Apr-16	(e) May-16	(f) Jun-16	(g) Jul-16	Line No.
1	Derivation of Amortization Rates:								1
2	TO4-Cycle 3 Interest True-Up Adjustment	\$ 306,324	1,721,620	1,559,171	1,510,609	1,541,348	1,613,144	1,781,128	2
3	Forecast Sales TO4-Cycle 3 (kWh)	20,013,225,869	3	3	3	3	3	3	3
4	Estimated Amortization Rate Per kWh	\$ 0.00002							4
5									5
6									6
7	Derivation of Forecast Sales: ¹								7
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)								8
9	Exclude Sale for Resale								9
10	Total Forecast Sales Net of Resale - MWH	1,721,617	1,599,007	1,559,167	1,510,606	1,541,345	1,613,141	1,781,124	10
11	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000	1,000	1,000	11
12	Total Forecast Sales Net of Resale - kWh	1,721,617,031	1,599,006,965	1,559,167,468	1,510,606,150	1,541,345,272	1,613,141,347	1,781,124,436	12
13									13
14									14
15	Amortization of TO4-Cycle 3 True-Up Adjustment: ²								15
16	Beginning Retail True-Up Adjustment Balance	\$ 306,324	\$ 282,005	\$ 261,382	\$ 235,801	\$ 213,803	\$ 192,777	\$ 170,193	16
17	Recorded Sales in Total kWh	1,588,826,407	1,347,386,452	1,671,273,573	1,437,258,099	1,373,673,541	1,475,478,960	1,502,821,950	17
18	Amortization Rate Per kWh	\$ 0.00002	\$ 0.00002	\$ 0.00002	\$ 0.00002	\$ 0.00002	\$ 0.00002	\$ 0.00002	18
19	Amortization of TO4-Cycle 3 True-Up Adjustment	\$ 24,319	\$ 20,623	\$ 25,581	\$ 21,999	\$ 21,026	\$ 22,584	\$ 23,002	19
20	Ending TO4-Cycle 3 True-Up Adjustment Balance	\$ 282,005	\$ 261,382	\$ 235,801	\$ 213,803	\$ 192,777	\$ 170,193	\$ 147,191	20
21									21

NOTES:

- The derivation of forecast sales shown on lines 8 through 12 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.
- On lines 16 through 20, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on 17, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.

Section 2.1C
SAN DIEGO GAS & ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Filing
Amortization Schedule - TO4 Cycle 3 Retail True-Up Adjustment
Amortization Period: January 1, 2016 - December 31, 2016

Line No.	Description	(h)	(i)	(j)	(k)	(l)	(m)	Reference	Line No.
1	Derivation of Amortization Rates:								
2	TO3 Final Retail True-Up Adjustment								
3	Forecast Sales TO4-Cycle 2 (kWh)								
4	Estimated Amortization Rate Per kWh								
5									
6	Derivation of Forecast Sales: ¹								
7	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total		
8	Exclude Sale for Resale	1,776,122	1,937,643	1,694,614	1,612,917	1,665,936	20,013,263		
9	Total Forecast Sales Net of Resale - MWH	3	3	3	3	3	37		
10	Conversion Factor from MWH to kWh	1,776,119	1,937,640	1,694,611	1,612,914	1,665,933	20,013,226		
11	Total Forecast Sales Net of Resale - kWh	1,000	1,000	1,000	1,000	1,000	1,000		
12		1,776,119,002	1,937,639,550	1,694,611,354	1,612,913,981	1,665,933,312	20,013,225,869		
13									
14	Amortization of TO3 Final Retail True-Up Adjustment: ²								
15	Beginning Retail True-Up Adjustment Balance	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total		
16	Recorded Sales in Total kWh	\$ 147,191	\$ 116,826	\$ 88,377	\$ 61,001	\$ 36,780			
17	Amortization Rate Per kWh	\$ 1,983,833,536	\$ 1,858,676,431	\$ 1,788,571,971	\$ 1,582,445,958	\$ 1,558,456,842	19,168,703,720		
18	Ending TO3 Final Retail True-Up Adjustment Balance	\$ 0.00002	\$ 0.00002	\$ 0.00002	\$ 0.00002	\$ 0.00002			
19		\$ 30,365	\$ 28,449	\$ 27,376	\$ 24,221	\$ 36,780	\$ 306,324		
20		\$ 116,826	\$ 88,377	\$ 61,001	\$ 36,780	\$ -			
21									

NOTES:

- 1 The derivation of forecast sales shown on lines 8 through 12 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.
- 2 On lines 16 through 20, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on 17, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.

San Diego Gas & Electric Company

Section 2.2

Summary of Retail Interest True-Up Adjustment

Docket No. ER18 - ____ - ____

Section 2.2
SAN DIEGO GAS & ELECTRIC COMPANY
TO4 Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Interest True-Up Adjustment Applicable to TO4 Cycle 4 True-Up Adjustment

Line No.	Rate Effective Period from Prior Cycle 3 Filing	(a) ^b Jan-16	(b) ^b Feb-16	(c) ^b Mar-16	(d) ^b Apr-16	(e) ^b May-16	(f) ^b Jun-16	(g) ^b Jul-16	Line No.
1	Beginning True-Up Adjustment (Overcollection)/Undercollection ^a	\$ 37,049,009	\$ 37,152,746	\$ 37,249,074	\$ 37,352,811	\$ 37,457,399	\$ 37,565,722	\$ 37,670,310	1
2	Part A1: Amortization of True-Up Adjustment Balance:								2
3	Total Recorded Sales in KWHs	-	-	-	-	-	-	-	3
4	Amortization Rate Per KWH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4
5	Amortization of True-Up Adjustment Balance + Accrued Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5
6	Net Monthly Collection/(Refunds)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	6
7									7
8									8
9									9
10									10
11	Part A2: Calculation of Interest on Remaining TU Balance:								11
12	Interest Expense Calculations:								12
13	Beginning Balance for Interest Calculation ^e	\$ 37,049,009	\$ 37,049,009	\$ 37,049,009	\$ 37,352,811	\$ 37,352,811	\$ 37,352,811	\$ 37,670,310	13
14	Monthly Activity Included in Interest Calculation Basis ^d	0	0	0	0	0	0	0	14
15	Basis for Interest Expense Calculation	\$ 37,049,009	\$ 37,049,009	\$ 37,049,009	\$ 37,352,811	\$ 37,352,811	\$ 37,352,811	\$ 37,670,310	15
16	Monthly Interest Rate	0.28%	0.26%	0.28%	0.28%	0.29%	0.28%	0.30%	16
17	Interest Expense	\$ 103,737	\$ 96,327	\$ 103,737	\$ 104,588	\$ 108,323	\$ 104,588	\$ 113,011	17
18									18
19									19
20	Ending Balance (Overcollection)/Undercollection	\$ 37,152,746	\$ 37,249,074	\$ 37,352,811	\$ 37,457,399	\$ 37,565,722	\$ 37,670,310	\$ 37,783,321	20
21									21
22	Annual FERC Interest Rates ^e	3.25%	3.25%	3.25%	3.46%	3.46%	3.46%	3.50%	22
23	Days in Year ^e	366	366	366	366	366	366	366	23
24	Days in Month ^e	31	29	31	30	31	30	31	24
25	Monthly Interest Rates - Calculated	0.28%	0.26%	0.28%	0.28%	0.29%	0.28%	0.30%	25
26	Monthly FERC Interest Rates - Website ^e	0.28%	0.26%	0.28%	0.28%	0.29%	0.28%	0.30%	26
27	Difference	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	27

NOTES:

- a The (overcollection)/undercollection balance in column (a), line 1, comes from the prior year's True-Up Adjustment calculation. The Interest True-Up Adjustment accrues interest on the unamortized balance of the True-Up Adjustment from the end of the True-Up Period through the end of the prior cycle's Rate Effective Period. SDG&E follows a convention of fully amortizing the True-Up Adjustment plus accrued interest at the end of the Rate Effective Period. The total Interest True-Up Adjustment amount, as shown on line 18, column "m" is a component of BTRR.
- b The months indicated in columns (a) through (l) pertain to the 12-month Base Period following the end of the True-Up Period.
- c Beginning Balance for Interest Calculation Remains Constant for each 3 Month Quarter as Interest is Compounded Quarterly on these amounts pursuant to FERC Interest Methodology - per 18 CFR Section 35.19 (2) (iii) (B).
- d **Monthly Activity Calculated as Follows:**
 - a) 1st Month of Quarter = Column A, Line 10 Divided by 2
 - b) 2nd Month of Quarter = Column A, Line 10 + (Column B, Line 10 Divided by 2)
 - c) 3rd Month of Quarter = Column A, Line 10 + Column B, Line 10 + (Column C, Line 10 Divided by 2). Column D, E, F, etc. repeats the process outlined in (a), (b), and (c) above.
- e The FERC interest rate information comes from the FERC website.

Section 2.2
SAN DIEGO GAS & ELECTRIC COMPANY
TO4 Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Interest True-Up Adjustment Applicable to TO4 Cycle 4 True-Up Adjustment

Line No.	Rate Effective Period from Prior Cycle 3 Filing	(h) ^b Aug-16	(i) ^b Sep-16	(j) ^b Oct-16	(k) ^b Nov-16	(l) ^b Dec-16	(m) Total	Reference	Line No.
1	Beginning True-Up Adjustment (Overcollection)/Undercollection^a	\$ 37,783,321	\$ 37,896,332	\$ 38,005,576	\$ 38,119,593	\$ 38,229,809		Previous Month's Ending Balance from Line 20	1
2	Part A1: Amortization of True-Up Adjustment Balance:								2
3	Total Recorded Sales in KWHs	-	-	-	-	-	-	N/A for 2016	3
4	Amortization Rate Per KWH	-	-	-	-	-	-	N/A for 2016	4
5	Amortization of True-Up Adjustment Balance + Accrued Interest	-	-	-	-	-	-	Line 4 x Line 6	5
6	Net Monthly Collection/(Refunds)	-	-	-	-	-	-	Minus Line 8 from Columns (a) through (l)	6
7									7
8									8
9									9
10									10
11	Part A2: Calculation of Interest on Remaining TU Balance:								11
12	Interest Expense Calculations:								12
13	Beginning Balance for Interest Calculation ^e	\$ 37,670,310	\$ 37,670,310	\$ 38,005,576	\$ 38,005,576	\$ 38,005,576		Balance at Beginning of Quarter (See Footnote c)	13
14	Monthly Activity Included in Interest Calculation Basis ^d	0	0	0	0	0		See Footnote d	14
15	Basis for Interest Expense Calculation	37,670,310	37,670,310	38,005,576	38,005,576	38,005,576		Line 14 + Line 15	15
16	Monthly Interest Rate	0.30%	0.29%	0.30%	0.29%	0.30%		FERC Monthly Rates From Line 26 Below	16
17	Interest Expense	\$ 113,011	\$ 109,244	\$ 114,017	\$ 110,216	\$ 114,017	\$ 1,294,816	Line 16 x Line 17 - Columns (a) through (l)	17
18									18
19									19
20	Ending Balance (Overcollection)/Undercollection	\$ 37,896,332	\$ 38,005,576	\$ 38,119,593	\$ 38,229,809	\$ 38,343,825	\$ 38,343,825	Line 1 + Line 10 + Line 18	20
21	Annual FERC Interest Rates ^e	3.50%	3.50%	3.50%	3.50%	3.50%		Annual Interest Rate from FERC Website	21
22	Days in Year ^e	366	366	366	366	366	366	Number of Days Per Year from FERC Website	22
23	Days in Month ^e	31	30	31	30	31	366	Number of Days Per Month from FERC Website	23
24	Monthly Interest Rates - Calculated	0.30%	0.29%	0.30%	0.29%	0.30%	3.45%	(Line 22) / (Line 23) x (Line 24)	24
25	Monthly FERC Interest Rates - Website ^e	0.30%	0.29%	0.30%	0.29%	0.30%	3.45%	Monthly Interest Rate from FERC Website	25
26	Difference	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Line 25 Minus Line 26	26
27									27

NOTES:

- a The (overcollection)/undercollection balance in column (a), line 1, comes from the prior year's True-Up Adjustment calculation. The Interest True-Up Adjustment accrues interest on the unamortized balance of the True-Up Adjustment from the end of the True-Up Period through the end of the prior cycle's Rate Effective Period. SDG&E follows a convention of fully amortizing the True-Up Adjustment plus accrued interest at the end of the Rate Effective Period. The total Interest True-Up Adjustment amount, as shown on line 18, column "m" through the months indicated in columns (a) through (l) pertains to the 12-month Base Period following the end of the True-Up Period.
- b The months indicated in columns (a) through (l) pertain to the 12-month Base Period following the end of the True-Up Period.
- c Beginning Balance for Interest Calculation Remains Constant for each 3 Month Quarter as Interest is Compounded Quarterly on these amounts pursuant to FERC Interest Methodology - per 18 CFR Section 35.19 (2) (iii) (B).
- d **Monthly Activity Calculated as Follows:**
 - a) 1st Month of Quarter = Column A, Line 10 Divided by 2
 - b) 2nd Month of Quarter = Column A, Line 10 + (Column B, Line 10 Divided by 2)
 - c) 3rd Month of Quarter = Column A, Line 10 + Column B, Line 10 + (Column C, Line 10 Divided by 2), Column D, E, F, etc. repeats the process outlined in (a), (b), and (c) above.
- e The FERC interest rate information comes from the FERC website.

Section 2.2
SAN DIEGO GAS & ELECTRIC COMPANY
TO4 Annual Formula Filing - Cycle 5

Derivation of Interest True-Up Adjustment Applicable to TO4 Cycle 4 True-Up Adjustment

Line No.	Rate Effective Period from Prior Cycle 4 Filing	(n) b.g Jan-17	(o) b.g Feb-17	(p) b.g Mar-17	(q) b.g Apr-17	(r) b.g May-17	(s) b.g Jun-17	(t) b.g Jul-17	Line No.
1	Beginning True-Up Adjustment (Overcollection)/Undercollection ^a	\$ 38,343,825	\$ 35,216,404	\$ 32,439,703	\$ 29,554,231	\$ 26,814,188	\$ 24,118,073	\$ 21,104,568	1
2	Part A1: Amortization of True-Up Adjustment Balance:								2
3	Total Recorded Sales in KWHs	1,622,389,579	1,436,988,975	1,492,163,767	1,415,367,499	1,391,684,136	1,543,788,167	1,723,506,896	3
4									4
5									5
6	Amortization Rate Per KWH ^f	\$ 0.00200	\$ 0.00200	\$ 0.00200	\$ 0.00200	\$ 0.00200	\$ 0.00200	\$ 0.00200	6
7									7
8	Amortization of True-Up Adjustment Balance + Accrued Interest	\$ 3,237,597	\$ 2,867,616	\$ 2,977,721	\$ 2,824,469	\$ 2,777,207	\$ 3,080,742	\$ 3,439,384	8
9									9
10	Net Monthly Collection/(Refunds)	\$ (3,237,597)	\$ (2,867,616)	\$ (2,977,721)	\$ (2,824,469)	\$ (2,777,207)	\$ (3,080,742)	\$ (3,439,384)	10
11	Part A2: Calculation of Interest on Remaining TU Balance:								11
12	Interest Expense Calculations:								12
13	Beginning Balance for Interest Calculation ^e	\$ 38,343,825	\$ 38,343,825	\$ 38,343,825	\$ 29,554,231	\$ 29,554,231	\$ 29,554,231	\$ 21,104,568	13
14	Monthly Activity Included in Interest Calculation Basis ^d	(1,618,799)	(4,671,405)	(7,594,074)	(1,412,235)	(4,213,073)	(7,142,047)	(1,719,692)	14
15	Basis for Interest Expense Calculation	\$ 36,725,027	\$ 33,672,420	\$ 30,749,752	\$ 28,141,997	\$ 25,341,159	\$ 22,412,184	\$ 19,384,876	15
16	Monthly Interest Rate	0.30%	0.27%	0.30%	0.30%	0.32%	0.30%	0.34%	16
17	Interest Expense	\$ 110,175	\$ 90,916	\$ 92,249	\$ 84,426	\$ 81,092	\$ 67,237	\$ 65,909	17
18									18
19	Ending Balance (Overcollection)/Undercollection	\$ 35,216,404	\$ 32,439,703	\$ 29,554,231	\$ 26,814,188	\$ 24,118,073	\$ 21,104,568	\$ 17,731,092	19
20									20
21	Annual FERC Interest Rates ^e	3.50%	3.50%	3.50%	3.71%	3.71%	3.71%	3.96%	21
22	Days in Year ^e	365	365	365	365	365	365	365	22
23	Days in Month ^e	31	28	31	30	31	30	31	23
24	Monthly Interest Rates - Calculated	0.30%	0.27%	0.30%	0.30%	0.32%	0.30%	0.34%	24
25	Monthly FERC Interest Rates - Website ^e	0.30%	0.27%	0.30%	0.30%	0.32%	0.30%	0.34%	25
26	Difference	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	26
27									27

NOTES:

- a The (overcollection)/undercollection balance in column (a), line 1, comes from the prior year's True-Up Adjustment calculation. The Interest True-Up Adjustment accrues interest on the unamortized balance of the True-Up Adjustment from the end of the True-Up Period through the end of the prior cycle's Rate Effective Period. SDG&E follows a convention of fully amortizing the True-Up Adjustment plus accrued interest at the end of the Rate Effective Period. The total Interest True-Up Adjustment amount, as shown on line 18, column "z" is a component of BTRR.
- b The months indicated in columns (n) through (y) pertain to the prior cycle's Rate Effective Period.
- c Beginning Balance for Interest Calculation Remains Constant for each 3 Month Quarter as Interest is Compounded Quarterly on these amounts pursuant to FERC Interest Methodology - per 18 CFR Section 35.19 (2) (iii) (B).
- d **Monthly Activity Calculated as Follows:**
 - a) 1st Month of Quarter = Column A, Line 10 + (Column B, Line 10 Divided by 2)
 - b) 2nd Month of Quarter = Column A, Line 10 + (Column B, Line 10 Divided by 2)
 - c) 3rd Month of Quarter = Column A, Line 10 + Column B, Line 10 + (Column C, Line 10 Divided by 2).
- e The FERC interest rate information comes from the FERC website.
- f The Amortization Rate per KWH in column (n), line 6, represents the amount of the prior year's True-Up Adjustment + Accrued Interest, amortized over the 12-month prior cycle's rate effective period.
- g Indicates Actual Recorded Sales reported for the year.
- h Annual and Monthly FERC Interest Rates for July 2017 through December 2017 have been temporarily updated using the Q2 2017 rates to derive a more accurate Interest True-Up adjustment.

Section 2.2
SAN DIEGO GAS & ELECTRIC COMPANY
TO4 Annual Formula Filing - Cycle 5
Derivation of Interest True-Up Adjustment Applicable to TO4 Cycle 4 True-Up Adjustment

Line No.	Rate Effective Period from Prior Cycle 4 Filing	(u) ^b Aug-17	(v) ^b Sep-17	(w) ^b Oct-17	(x) ^b Nov-17	(y) ^b Dec-17	(z) Total	Reference	Line No.
1	Beginning True-Up Adjustment (Overcollection)/Undercollection ^a	\$ 17,731,092	\$ 14,317,173	\$ 10,487,089	\$ 7,083,178	\$ 3,940,451		Previous Month's Ending Balance from Line 20	1
2	Part A1: Amortization of True-Up Adjustment Balance:								2
3	Total Recorded Sales in KWHs	1,737,889,609	1,939,567,216	1,720,673,763	1,583,899,841		17,607,919,448	Page 5; Line 13	3
4									4
5	Amortization Rate Per KWH ^f	\$ 0.00200	\$ 0.00200	\$ 0.00200	\$ 0.00200			(Line 1; Col (n)) / (Page 5; Line 13; Col. Total)	5
6	Amortization of True-Up Adjustment Balance + Accrued Interest	\$ 3,468,085	\$ 3,870,548	\$ 3,433,730	\$ 3,160,788	\$ 3,946,975	\$ 39,084,862	Line 4 x Line 6	6
7									7
8	Net Monthly Collection/(Refunds)	\$ (3,468,085)	\$ (3,870,548)	\$ (3,433,730)	\$ (3,160,788)	\$ (3,946,975)	\$ (39,084,862)	Minus Line 8 from Columns (n) through (y)	8
9									9
10	Part A2: Calculation of Interest on Remaining TU Balance:								10
11	Interest Expense Calculations:								11
12	Beginning Balance for Interest Calculation ^e	\$ 21,104,568	\$ 21,104,568	\$ 10,487,089	\$ 10,487,089	\$ 10,487,089		Balance at Beginning of Quarter (See Footnote c)	12
13	Monthly Activity Included in Interest Calculation Basis ^d	(5,173,427)	(8,842,743)	(1,716,865)	(5,014,124)	(8,568,000)		See Footnote d	13
14	Basis for Interest Expense Calculation	15,931,141	12,261,825	8,770,224	5,472,965	1,919,084		Line 14 + Line 15	14
15	Monthly Interest Rate	0.34%	0.33%	0.34%	0.33%	0.34%		FERC Monthly Rates From Line 26 Below	15
16	Interest Expense	\$ 54,166	\$ 40,464	\$ 29,819	\$ 18,061	\$ 6,525	\$ 741,037	Line 16 x Line 17 - Columns (n) through (y)	16
17									17
18	Ending Balance (Overcollection)/Undercollection	\$ 14,317,173	\$ 10,487,089	\$ 7,083,178	\$ 3,940,451	\$ 0	\$ 0	Line 1 + Line 17 - Columns (n) through (y)	18
19									19
20	Annual FERC Interest Rates ^e	3.96%	3.96%	3.96%	3.96%	3.96%		Annual Interest Rate from FERC Website ^h	20
21	Days in Year ^e	365	365	365	365	365		Number of Days Per Year from FERC Website	21
22	Days in Month ^e	31	30	31	30	31		Number of Days Per Month from FERC Website	22
23	Monthly Interest Rates - Calculated	0.34%	0.33%	0.34%	0.33%	0.34%		(Line 22) / (Line 23) x (Line 24)	23
24	Monthly FERC Interest Rates - Website ^e	0.34%	0.33%	0.34%	0.33%	0.34%		Monthly Interest Rate from FERC Website ^h	24
25	Difference	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Line 25 Minus Line 26	25
26									26
27									27

NOTES:

- a The (overcollection)/undercollection balance in column (a), line 1, comes from the prior year's True-Up Adjustment calculation. The Interest True-Up Adjustment accrues interest on the unamortized balance of the True-Up Adjustment from the end of the True-Up Period through the end of the prior cycle's Rate Effective Period. SDG&E follows a convention of fully amortizing the True-Up Adjustment plus accrued interest at the end of the Rate Effective Period. The total Interest True-Up Adjustment amount, as shown on line 18, column "z", is a component of BTRR.
- b The month indicated in columns (a) through (l) pertains to the 12-month Base Period following the end of the True-Up Period, while columns (n) through (y) pertains to the prior cycle's Rate Effective Period.
- c Beginning Balance for Interest Calculation Remains Constant for each 3 Month Quarter as Interest is Compounded Quarterly on these amounts pursuant to FERC Interest Methodology - per 18 CFR Section 35.19 (2) (iii) (B).
- d **Monthly Activity Calculated as Follows:**
 - a) 1st Month of Quarter = Column A, Line 10 Divided by 2
 - b) 2nd Month of Quarter = Column A, Line 10 + (Column B, Line 10 Divided by 2)
 - c) 3rd Month of Quarter = Column A, Line 10 + Column B, Line 10 + (Column C, Line 10 Divided by 2). Column D, E, F, etc. repeats the process outlined in (a), (b), and (c) above.
- e The references in this section are applicable under a normal interest true-up adjustment calculation.
- f The FERC interest rate information comes from the FERC website.
- g The Amortization Rate per KWH in column (n), line 6, represents the amount of the prior year's True-Up Adjustment + Accrued Interest, amortized over the 12-month prior cycle's rate effective period. Indicates Actual Recorded Sales reported for the year
- h Annual and Monthly FERC Interest Rates for July 2017 through December 2017 have been temporarily updated using the Q2 2017 rates to derive a more accurate Interest True-Up adjustment.

Line No.		San Diego Gas & Electric Company FERC Period: January 2017 - December 2017												Line No.
System Delivery Determinants		Recorded ^a Jan-17	Recorded ^a Feb-17	Recorded ^a Mar-17	Recorded ^a Apr-17	Recorded ^a May-17	Recorded ^a June-17	Recorded ^a Jul-17	Forecast ^a Aug-17	Forecast ^a Sep-17	Forecast ^a Oct-17	Forecast ^a Nov-17	Forecast ^a Dec-17	Total
1	Customer Class Deliveries (MWh)	631,943	544,879	496,264	451,122	457,205	480,712	607,055	604,240	696,544	594,510	526,870	588,818	6,680,162
2	Residential	174,784	166,895	181,453	173,468	173,480	183,018	201,167	199,938	217,207	196,523	180,134	177,291	2,225,359
3	Small Commercial	2,577	2,309	2,692	2,581	2,518	2,501	3,216	2,993	3,300	2,932	2,636	2,487	32,741
4	Med. & Large Comm./Ind. (AD)	721,712	642,564	729,238	703,292	670,912	787,343	834,653	827,929	910,075	827,247	775,568	743,640	9,174,173
5	Med. & Large Comm./Ind. (excl. AD/AG-TOU)	67,323	62,032	54,450	56,018	51,197	52,930	36,924	65,343	72,790	64,353	66,735	65,969	716,064
6	Med. & Large Comm./Ind. (AG-TOU)	4,312	3,842	4,496	7,219	8,419	8,959	10,961	8,712	9,250	8,042	6,991	5,730	86,932
7	Agriculture (PA-T-1)	10,807	7,453	14,313	16,791	21,044	19,172	24,692	21,696	23,002	20,000	17,804	15,145	211,920
8	Lighting	8,932	7,016	9,258	4,876	6,911	9,153	4,839	7,038	7,399	7,067	7,163	7,445	87,095
9	Sale for Resale	7.7	0.0	13.9	0.0	0.0	31.4	11.6	2.8	3.0	2.8	2.9	3.0	79.1
10	Total System	1,622,397	1,436,989	1,492,178	1,415,367	1,391,684	1,543,820	1,723,518	1,737,892	1,939,570	1,720,677	1,583,903	1,606,529	19,214,524
11	Total System Minus Resale	1,622,390	1,436,989	1,492,164	1,415,367	1,391,684	1,543,788	1,723,507	1,737,890	1,939,567	1,720,674	1,583,900	1,606,526	19,214,445
12														
13														
14														
15														

NOTES:
 a Per Appendix VIII of the TO3 Formula Rate Mechanism, the amortization rate used to derive the Interest True-Up Adjustment is based on 7 months Actual and 5 months Forecast consumption.

San Diego Gas & Electric Company

Derivation of CAISO Wholesale True-Up Adjustment

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San Diego Gas & Electric Company

TO4 Cycle 5

Wholesale True-Up Adjustment Report

Docket No. ER18-____-____

TO4 CYCLE 5 TRUE-UP ADJUSTMENT REPORT (12-MONTH PERIOD ENDING DECEMBER 31, 2016)

I. INTRODUCTION

The purpose of this Report is to explain the derivation of the True-Up Adjustment in San Diego Gas & Electric Company's ("SDG&E") fifth annual ("Cycle 5")¹ Informational Filing under its Transmission Owner ("TO") Fourth Formula Transmission rate mechanism ("TO4 Formula" or "TO4").² The Rate Effective Period for the TO4 Cycle 5 Informational Filing is January 1, 2018 through December 31, 2018. SDG&E uses the TO4 Formula to determine the Base Transmission Revenue Requirements ("BTRR") applicable to Retail End Use Customers (BTRR_{EU}) and the California Independent System Operator ("CAISO" or "ISO") Wholesale customers (BTRR_{ISO}).

The TO4 Formula and related BTRR_{EU} and BTRR_{ISO} consist of the following four parts:

- i. the Prior Year Revenue Requirements;
- ii. the Forecast Capital Additions Revenue Requirements;
- iii. the True-Up Adjustment; and
- iv. the Interest True-Up Adjustment.

The True-Up Adjustment component of the BTRR ensures customers pay no more and no less than SDG&E's costs to own, operate and maintain its transmission facilities. In general, the Wholesale True-Up Adjustment is the difference between the Wholesale True-Up Revenues and the Wholesale Cost of Service for the True-Up Period, *i.e.*, 12 months ending December 31,

¹ The term "Cycle" refers to the number of annual filings made under the applicable formula. Cycle 5 is the fifth annual filing under the TO4 Formula. Unless otherwise defined herein, capitalized terms are intended to have the meanings ascribed to them in SDG&E's TO Tariff.

² The Commission approved the TO4 Formula in *San Diego Gas & Electric Company*, 147 FERC ¶61,150 (2014).

2016. For TO4 Cycle 5, the Wholesale True-Up Adjustment reflects an under-collection of \$33.547 M.

II. DERIVATION OF THE WHOLESALE TRUE-UP REVENUES

SDG&E follows the methodology delineated in Sections II.D.3.b.1 and II.D.3.b.2 of Appendix VIII of SDG&E's Third TO Formula rate mechanism ("TO3 Formula")³ to derive the TO4 Cycle 5 Wholesale True-Up Revenues.

As demonstrated in Volume 3, SDG&E used the Wholesale BTRR of \$795.496 M, that the Federal Energy Regulatory Commission ("Commission" or "FERC") approved in TO4 Cycle 3,⁴ for cost allocation and rate design to derive the True-Up Adjustment. Section 3.2.1 of Volume 3 illustrates the derivation of the True-Up Transmission Rates at Transmission Level, where the allocated BTRR by service class is divided by the forecast billing determinants by service class at transmission level. The resulting True-Up Transmission Rates at Transmission level are summarized in page 14 of Section 3.2.1.

Section 3.2.3, of Volume 3, illustrates the derivation of the Wholesale True-Up Revenues totaling \$758.592 M. This is accomplished by taking the True-Up Transmission Rates at Transmission level developed in Section 3.2.1 and multiplying them by the End Use Customer recorded billing determinants measured at Transmission level. The results that are summarized in

³ The Commission approved the TO3 Formula in *San Diego Gas & Electric Company*, 119 FERC ¶61,169 (2007). Section II.D.3.b.1 of the TO3 Formula states:

[T]he ISO True-Up Revenues will equal for each class of service as specified in Appendix IX of SDG&E's Transmission Owner Tariff, true-up transmission rates in effect during this period multiplied by the End Use Customer recorded billing determinants, as measured at the transmission voltage level for each month of this period. The true-up transmission rates by the class of service will equal the $BTRR_{ISO}$ in effect during this period allocated (using the class allocation factor as described in Appendix IX) to each class of service, divided by the class of service billing determinants applicable to this $BTRR_{ISO}$.

⁴ *San Diego Gas & Electric Co.*, 154 FERC ¶61,213 (2016).

Section 3.2.3, page 1, column (M), line 19, reflect the Wholesale True-Up Revenues of \$758.592 M.

III. DERIVATION OF THE WHOLESALE TRUE-UP COST OF SERVICE

Section 3.3.1 of Volume 3, shows the derivation of the Wholesale True-Up Cost of Service totaling \$680.617 M for the 12-month period ending December 31, 2016. This amount is derived based on certain recorded information from the FERC Form 1, but differs slightly from the Retail True-Up Cost of Service because it excludes the following items which are not recovered from Wholesale Customers: a) California Public Utilities Commission Intervenor Funding Expenses; b) South Georgia Income Tax Adjustment; c) Transmission Related Amortization of Excess Deferred Income Taxes; and d) Uncollectible Expense.

Section 3.3.3, of Volume 3, page 1, line 19, shows the summary of the Monthly Wholesale True-Up Cost of Service for the 12-month True-Up Period ending December 31, 2016. The monthly amounts are derived by performing a cost allocation and rate design using the \$680.617 M Wholesale True-Up Cost of Service and the recorded consumptions at transmission level during the True-Up Period. The resulting rates get applied to the recorded consumption by month to derive the Monthly Wholesale True-Up Cost Service amounts. The monthly amounts are input into Section 3.1.1, pages 1 and 2, line 18 of Volume 3 to determine the Wholesale True-Up Adjustment component of the Wholesale BTRR.

IV. DERIVATION OF THE WHOLESALE TRUE-UP ADJUSTMENT

Section 3.1.1, of Volume 3, pages 1 and 2, shows the derivation of the Cycle 5 Wholesale True-Up Adjustment. The Wholesale True-Up Revenues discussed in Part II above are input on line 3, while the Monthly Wholesale True-Up Cost of Service amounts are input on line 18. To avoid truing-up the TO4 Cycle 3 True-Up Adjustment in TO4 Cycle 5, SDG&E has amortized and backed out the TO4 Cycle 3 True-Up Adjustment from the TO4 Cycle 5 Wholesale True-Up

Revenues. The monthly True-Up Adjustment amount shown on line 20, totaling \$33.027 M, is the difference between line 18, \$680.617 M, and line 16, \$647.590 M, before the interest expense. The interest expense is shown on line 27, totaling \$.521 M, while the total Wholesale True-Up Adjustment, with interest, is shown on line 29, totaling \$33.547 M. For TO4 Cycle 5, the Wholesale True-Up Adjustment under-collection amount of \$33.547 M will be included in the derivation of the corresponding Cycle 5 Wholesale BTRR.

END OF REPORT

San Diego Gas & Electric Company

Section 3.1.1

Derivation of CAISO Wholesale True-Up Adjustment

Docket No. ER18-____-____

Section 3.1.1
SAN DIEGO GAS & ELECTRIC COMPANY
Summary of Wholesale True-Up Adjustment Calculation
For True-Up Period 12 Months Ending
January 1, 2016 through December 31, 2016
TO4-Cycle 5 True-Up Adjustment Mechanism

Line No.	Description	Cycle - 3 Jan-16	Cycle - 3 Feb-16	Cycle - 3 Mar-16	Cycle - 3 Apr-16	Cycle - 3 May-16	Cycle - 3 Jun-16	Cycle - 3 Jul-16	Line No.
1	<u>Beginning Balance (Overcollection)/Undercollection:</u>	\$ -	\$ 3,318,293	\$ 5,927,943	\$ 8,349,674	\$ 10,458,694	\$ 12,158,761	\$ 13,961,583	1
2		\$ 61,949,825	\$ 53,018,138	\$ 62,298,061	\$ 56,074,528	\$ 55,585,105	\$ 59,881,795	\$ 60,365,434	2
3	CAISO Wholesale True-Up Revenues @ Transmission Level ¹								3
4									4
5	<u>Amortization of True-Up Adjustment and Interest True-Up Adjustment:</u>								5
6	<u>(a) Amortization of TO3 Final True-Up Adjustment and Interest True-Up Adjustment:</u>								6
7	i. Amortization of TO3 Final True-Up Adjustment ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7
8	ii. Amortization of TO3 Final Interest True-Up Adjustment ²	\$ (99,229)	\$ (84,140)	\$ (104,253)	\$ (89,691)	\$ (85,747)	\$ (92,100)	\$ (93,856)	8
9									9
10	<u>(b) Amortization of TO4 Cycle 3 True-Up Adjustment and Interest True-Up Adjustment:</u>								10
11	i. Amortization of Cycle 3 True-Up Adjustment ²	\$ (8,699,040)	\$ (7,376,265)	\$ (9,139,509)	\$ (7,862,890)	\$ (7,517,114)	\$ (8,074,065)	\$ (8,228,080)	11
12	ii. Amortization of Cycle 3 Interest True-Up Adjustment ²	\$ (16,538)	\$ (14,023)	\$ (17,375)	\$ (14,948)	\$ (14,291)	\$ (15,350)	\$ (15,643)	12
13									13
14	Total Amortization of True-Up Adjustments	\$ (8,814,807)	\$ (7,474,428)	\$ (9,261,137)	\$ (7,967,529)	\$ (7,617,152)	\$ (8,181,515)	\$ (8,337,579)	14
15									15
16	<u>Adjusted CAISO Wholesale True-Up Revenues @ Transmission Level ³</u>	\$ 53,135,018	\$ 45,543,710	\$ 53,036,924	\$ 48,106,999	\$ 47,967,953	\$ 51,700,280	\$ 52,027,855	16
17									17
18	<u>Total CAISO Wholesale True-Up Cost of Service</u>	\$ 56,448,671	\$ 48,141,369	\$ 55,438,740	\$ 50,189,724	\$ 49,635,349	\$ 53,466,749	\$ 54,614,303	18
19									19
20	<u>Net Monthly (Overcollection)/Undercollection:</u>	\$ 3,313,653	\$ 2,597,658	\$ 2,401,816	\$ 2,082,725	\$ 1,667,596	\$ 1,766,469	\$ 2,586,448	20
21									21
22	<u>Interest Expense Calculations:</u>								22
23	Beginning Balance for Interest Calculation	\$ -	\$ -	\$ -	\$ 8,349,674	\$ 8,349,674	\$ 8,349,674	\$ 13,961,583	23
24	Monthly Activity Included in Interest Calculation Basis	\$ 1,656,827	\$ 4,612,483	\$ 7,112,220	\$ 1,041,363	\$ 2,916,423	\$ 4,633,356	\$ 1,293,224	24
25	Basis for Interest Expense Calculation	\$ 1,656,827	\$ 4,612,483	\$ 7,112,220	\$ 9,391,036	\$ 11,266,097	\$ 12,983,029	\$ 15,254,807	25
26	Monthly Interest Rate	0.28%	0.26%	0.28%	0.28%	0.29%	0.28%	0.30%	26
27	Interest Expense	\$ 4,639	\$ 11,992	\$ 19,914	\$ 26,295	\$ 32,672	\$ 36,352	\$ 45,764	27
28									28
29	<u>Ending Balance (Overcollection)/Undercollection:</u>	\$ 3,318,293	\$ 5,927,943	\$ 8,349,674	\$ 10,458,694	\$ 12,158,761	\$ 13,961,583	\$ 16,593,796	29
30									30
31									31
32	ANNUAL FERC INTEREST RATE - Website ⁴	3.25%	3.25%	3.25%	3.46%	3.46%	3.46%	3.50%	32
33	Days in Year	366	366	366	366	366	366	366	33
34	Days in Month ⁵	31	29	31	30	31	30	31	34
35	Monthly Interest Rate - Calculated	0.28%	0.26%	0.28%	0.28%	0.29%	0.28%	0.30%	35
36	Monthly FERC Interest Rates - Website ⁴	0.28%	0.26%	0.28%	0.28%	0.29%	0.28%	0.30%	36
37	Difference	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	37

NOTES:

1 For the Wholesale True-Up Adjustment Calculation, the CAISO Wholesale True-Up Revenues are measured at the Transmission Level.

2 The amortization of prior cycle True-Up Adjustment and prior Interest True-Up Adjustment will be repeated as needed in deriving the True-Up Adjustment.

3 For the Wholesale True-Up Adjustment Calculation, the Adjusted CAISO Wholesale True-Up Revenues are measured at the Transmission Level.

4 The FERC interest rate information comes from the FERC website.

5 These are fixed days for each month except February for leap vs. non-leap years.

Section 3.1.1									
SAN DIEGO GAS & ELECTRIC COMPANY									
Summary of Wholesale True-Up Adjustment Calculation									
For True-Up Period 12 Months Ending									
January 1, 2016 through December 31, 2016									
TO4-Cycle 5 True-Up Adjustment Mechanism									
Line No.	Description	Cycle - 3 Aug-16	Cycle - 3 Sep-16	Cycle - 3 Oct-16	Cycle - 3 Nov-16	Cycle - 3 Dec-16	Total	Reference	Line No.
1	<u>Beginning Balance (Overcollection)/Undercollection:</u>	\$ 16,593,796	\$ 19,309,280	\$ 21,850,914	\$ 23,925,898	\$ 26,276,751	\$ -	Previous Month's Balance	1
2	CAISO Wholesale True-Up Revenues @ Transmission Level ¹	\$ 80,306,909	\$ 74,195,248	\$ 72,649,400	\$ 61,212,116	\$ 61,055,516	\$ 758,592,074	Section 3.2.3; Page 1; Line 19	2
3									3
4									4
5	<u>Amortization of True-Up Adjustment and Interest True-Up Adjustment:</u>								5
6	<u>aa) Amortization of TO3 Final True-Up Adjustment and Interest True-Up Adjustment:</u>								6
7	i. Amortization of TO3 Final True-Up Adjustment ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Not Applicable in TO4-Cycle 5 Filing	7
8	ii. Amortization of TO3 Final Interest True-Up Adjustment ²	\$ (123,848)	\$ (116,016)	\$ (111,630)	\$ (98,767)	\$ (187,620)	\$ (1,286,897)	Section 3.1.2; Line 22	8
9									9
10	<u>b) Amortization of TO4 Cycle 3 True-Up Adjustment and Interest True-Up Adjustment:</u>								10
11	i. Amortization of Cycle 3 True-Up Adjustment ²	\$ (10,857,320)	\$ (10,170,710)	\$ (9,786,214)	\$ (8,658,535)	\$ (13,105,265)	\$ (109,475,007)	Section 3.1.3; Line 22	11
12	ii. Amortization of Cycle 3 Interest True-Up Adjustment ²	\$ (20,641)	\$ (19,336)	\$ (18,605)	\$ (16,461)	\$ (56,584)	\$ (239,795)	Section 3.1.4; Line 22	12
13									13
14	Total Amortization of True-Up Adjustments	\$ (11,001,809)	\$ (10,306,062)	\$ (9,916,449)	\$ (8,773,763)	\$ (13,349,469)	\$ (111,001,699)	Sum Lines 7; 8; 11; & 12	14
15									15
16	<u>Adjusted CAISO Wholesale True-Up Revenues @ Transmission Level ³</u>	\$ 69,305,100	\$ 63,889,186	\$ 62,732,951	\$ 52,438,353	\$ 47,706,047	\$ 647,590,375	Sum Lines 3 & 14	16
17									17
18	<u>Total CAISO Wholesale True-Up Cost of Service</u>	\$ 71,966,947	\$ 66,371,512	\$ 64,739,372	\$ 54,716,716	\$ 54,887,548	\$ 680,617,000	Section 3.3.3; Page 1; Line 19	18
19									19
20	<u>Net Monthly (Overcollection)/Undercollection:</u>	\$ 2,661,847	\$ 2,482,326	\$ 2,006,421	\$ 2,278,363	\$ 7,181,501	\$ 33,026,625	Line 18 Minus Line 16	20
21									21
22	Interest Expense Calculations:								22
23	Beginning Balance for Interest Calculation	\$ 13,961,583	\$ 13,961,583	\$ 21,850,914	\$ 21,850,914	\$ 21,850,914		Beginning Quarterly Balances	23
24	Monthly Activity Included in Interest Calculation Basis	\$ 3,917,372	\$ 6,489,459	\$ 1,003,211	\$ 3,145,603	\$ 7,875,535		Interest Calculation Basis	24
25	Basis for Interest Expense Calculation	\$ 17,878,955	\$ 20,451,042	\$ 22,854,125	\$ 24,996,517	\$ 29,726,449		Sum Lines 23 & 24	25
26	Monthly Interest Rate	0.30%	0.29%	0.30%	0.29%	0.30%		FERC Monthly Rates	26
27	<u>Interest Expense</u>	\$ 53,637	\$ 59,308	\$ 68,562	\$ 72,490	\$ 89,179	\$ 520,806	Line 25 x Line 26	27
28									28
29	<u>Ending Balance (Overcollection)/Undercollection:</u>	\$ 19,309,280	\$ 21,850,914	\$ 23,925,898	\$ 26,276,751	\$ 33,547,431	\$ 33,547,431	Sum Lines 1; 20; & 27	29
30									30
31									31
32	ANNUAL FERC INTEREST RATE - Website ⁴	3.50%	3.50%	3.50%	3.50%	3.50%		Annual Interest Rate - FERC Website	32
33	Days in Year	366	366	366	366	366	366	Number of Days Per Year	33
34	Days in Month ⁵	31	30	31	30	31	366	Number of Days Per Month	34
35	Monthly Interest Rate - Calculated	0.30%	0.29%	0.30%	0.29%	0.30%	3.45%	(Line 32)/(Line 33)(Line 34)	35
36	Monthly FERC Interest Rates - Website ⁴	0.30%	0.29%	0.30%	0.29%	0.30%	3.45%	Monthly Interest Rate - FERC Website	36
37	Difference	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Line 35 - Line 36	37
	NOTES:								
1	For the Wholesale True-Up Adjustment Calculation, the CAISO Wholesale True-Up Revenues are measured at the Transmission Level.								
2	The amortization of prior cycle True-Up Adjustment and prior Interest True-Up Adjustment will be repeated as needed in deriving the True-Up Adjustment.								
3	For the Wholesale True-Up Adjustment Calculation, the Adjusted CAISO Wholesale True-Up Revenues are measured at the Transmission Level.								
4	The FERC interest rate information comes from the FERC website.								
5	These are fixed days for each month except February for leap vs. non-leap years.								

San Diego Gas & Electric Company

Section 3.1.2

Amortization of TO3 Final Wholesale Interest True-Up Adjustment

Docket No. ER18-____-____

Section 3.1.2
SAN DIEGO GAS & ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Filing
Amortization Schedule - TO3 Final Wholesale Interest True-Up Adjustment
Amortization Period: January 1, 2016 - December 31, 2016

Line No.	Description	(a) Amounts	(b) Jan-16	(c) Feb-16	(d) Mar-16	(e) Apr-16	(f) May-16	(g) Jun-16	(h) Jul-16	Line No.
1	Derivation of Amortization Rates:									1
2	TO3 Final Wholesale Interest True-Up Adjustment	\$ 1,286,897								2
3	TO4-Cycle 3 Forecast Sales @ Transmission Level (kWh)	20,824,962,312								3
4	Amortization Rate Per kWh @ Transmission Level	\$ 0.00006								4
5										5
6										6
7	Derivation of Forecast Sales @ Transmission Level: ¹									7
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	1,721,620	1,599,010	1,559,171	1,510,609	1,541,348	1,613,144	1,781,128		8
9	Exclude Sale for Resale	3	3	3	3	3	3	3		9
10	Total Forecast Sales Net of Resale - MWH	1,721,617	1,599,007	1,559,167	1,510,606	1,541,345	1,613,141	1,781,124		10
11	Transmission Level Adjustment Factor from (TO4-Cycle 3)	1.04056	1.04056	1.04056	1.04056	1.04056	1.04056	1.04056		11
12	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000	1,000	1,000		12
13	Total Forecast Sales Net of Resale - kWh	1,791,445,818	1,663,862,688	1,622,407,301	1,571,876,336	1,603,862,236	1,678,570,360	1,853,366,843		13
14										14
15										15
16	Amortization of TO3 Final Wholesale Interest True-Up Adjustment: ²									16
17	Beginning Wholesale True-Up Adjustment Balance	\$ 1,286,897	\$ 1,187,668	\$ 1,103,528	\$ 999,275	\$ 909,584	\$ 823,837	\$ 731,737		17
18	Recorded Sales Less Sale for Resale @ Transmission Level	1,653,810	1,402,332	1,737,549	1,494,846	1,429,109	1,534,993	1,564,274		18
19	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000	1,000	1,000		19
20	Recorded Sales in Total kWh @ Transmission Level	1,653,809,917	1,402,331,711	1,737,549,159	1,494,845,914	1,429,109,046	1,534,993,364	1,564,273,782		20
21	Amortization Rate Per kWh @ Transmission Level	\$ 0.00006	\$ 0.00006	\$ 0.00006	\$ 0.00006	\$ 0.00006	\$ 0.00006	\$ 0.00006		21
22	TO3 Final Wholesale Interest True-Up Adjustment Amortization Amount ³	\$ 99,229	\$ 84,140	\$ 104,253	\$ 89,691	\$ 85,747	\$ 92,100	\$ 93,856		22
23	Ending TO3 Final Wholesale Interest True-Up Adjustment Balance	\$ 1,187,668	\$ 1,103,528	\$ 999,275	\$ 909,584	\$ 823,837	\$ 731,737	\$ 637,881		23
24										24

NOTES:
1 The derivation of forecast sales shown on lines 8 through 13 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.
2 On lines 17 through 23, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on line 20, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.
3 December amortization is equal to the November true-up adjustment balance so that the true-up adjustment is totally amortized during the rate effective period.

Section 3.1.2												
SAN DIEGO GAS & ELECTRIC COMPANY												
TO4-Cycle 5 Annual Transmission Formulaic Filing												
Amortization Schedule - TO3 Final Wholesale Interest True-Up Adjustment												
Amortization Period: January 1, 2016 - December 31, 2016												
Line No.	Description	(h)	(i)	(j)	(k)	(l)	(m)	Reference	Line No.			
1	Derivation of Amortization Rates:											
2	TO3 Final Wholesale Interest True-Up Adjustment											
3	TO4-Cycle 3 Forecast Sales @ Transmission Level (kWh)											
4	Amortization Rate Per kWh @ Transmission Level											
5												
6												
7	Derivation of Forecast Sales @ Transmission Level: ¹											
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	1,776,122	1,937,643	1,694,614	1,612,917	1,665,936	20,013,263					
9	Exclude Sale for Resale	3	3	3	3	3	37					
10	Total Forecast Sales Net of Resale - MWH	1,776,119	1,937,640	1,694,611	1,612,914	1,665,933	20,013,226					
11	Transmission Level Adjustment Factor from (TO4-Cycle 3)	1,04056	1,04056	1,04056	1,04056	1,04056						
12	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000						
13	Total Forecast Sales Net of Resale - kWh	1,848,158,389	2,016,230,211	1,763,344,791	1,678,333,772	1,733,503,567	20,824,962,312					
14												
15												
16	Amortization of TO3 Final Wholesale Interest True-Up Adjustment: ²											
17	Beginning Wholesale True-Up Adjustment Balance	\$ 637,881	\$ 514,033	\$ 398,017	\$ 286,387	\$ 187,620	Total					
18	Recorded Sales Less Sale for Resale @ Transmission Level	2,064,129	1,933,595	1,860,497	1,646,109	1,621,621						
19	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000						
20	Recorded Sales in Total kWh @ Transmission Level	2,064,129,337	1,933,594,984	1,860,497,053	1,646,109,222	1,621,620,641	19,942,864,130					
21	Amortization Rate Per kWh @ Transmission Level	\$ 0.00006	\$ 0.00006	\$ 0.00006	\$ 0.00006	\$ 0.00006						
22	TO3 Final Wholesale Interest True-Up Adjustment Amount ³	\$ 123,848	\$ 116,016	\$ 111,630	\$ 98,767	\$ 187,620	\$ 1,286,897					
23	Ending TO3 Final Wholesale Interest True-Up Adjustment Balance	\$ 514,033	\$ 398,017	\$ 286,387	\$ 187,620	\$ -						
24												
NOTES:												
1	The derivation of forecast sales shown on lines 8 through 13 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.											
2	On lines 17 through 23, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on line 20, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.											
3	December amortization is equal to the November true-up adjustment balance so that the true-up adjustment is totally amortized during the rate effective period.											

San Diego Gas & Electric Company

Section 3.1.3

Amortization of TO4 Cycle 3 Wholesale True-Up Adjustment

Docket No. ER18-____ - ____

Section 3.1.3

SAN DIEGO GAS & ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Filing

Amortization Schedule - TO4 Cycle 3 Wholesale True-Up Adjustment

Amortization Period: January 1, 2016 - December 31, 2016

Line No.	Description	(a) Amounts	(b) Feb-16	(c) Mar-16	(d) Apr-16	(e) May-16	(f) Jun-16	(g) Jul-16	Line No.
1	Derivation of Amortization Rates:								1
2	TO4-Cycle 3 Wholesale True-Up Adjustment	\$ 109,475,007							2
3	TO4-Cycle 3 Forecast Sales @ Transmission Level (kWh)	20,824,962,312							3
4	Amortization Rate Per kWh @ Transmission Level	\$ 0.00526							4
5									5
6									6
7	Derivation of Forecast Sales @ Transmission Level: ¹								7
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	1,721,620	1,599,010	1,559,171	1,510,609	1,541,348	1,613,144	1,781,128	8
9	Exclude Sale for Resale	3	3	3	3	3	3	3	9
10	Total Forecast Sales Net of Resale - MWH	1,721,617	1,599,007	1,559,167	1,510,606	1,541,345	1,613,141	1,781,124	10
11	Transmission Level Adjustment Factor from (TO4-Cycle 3)	1.04056	1.04056	1.04056	1.04056	1.04056	1.04056	1.04056	11
12	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000	1,000	1,000	12
13	Total Forecast Sales Net of Resale - kWh	1,791,445,818	1,663,862,688	1,622,407,301	1,571,876,336	1,603,862,236	1,678,570,360	1,853,366,843	13
14									14
15									15
16	Amortization of TO4-Cycle 3 Wholesale True-Up Adjustment: ²								16
17	Beginning Wholesale True-Up Adjustment Balance	\$ 109,475,007	\$ 100,775,967	\$ 93,399,702	\$ 84,260,193	\$ 76,397,303	\$ 68,880,189	\$ 60,806,124	17
18	Recorded Sales Less Sale for Resale @ Transmission Level	1,653,810	1,402,332	1,737,549	1,494,846	1,429,109	1,534,993	1,564,274	18
19	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000	1,000	1,000	19
20	Recorded Sales in Total kWh @ Transmission Level	1,653,809,917	1,402,331,711	1,737,549,159	1,494,845,914	1,429,109,046	1,534,993,364	1,564,273,782	20
21	Amortization Rate Per kWh @ Transmission Level	\$ 0.00526	\$ 0.00526	\$ 0.00526	\$ 0.00526	\$ 0.00526	\$ 0.00526	\$ 0.00526	21
22	TO4-Cycle 3 Wholesale True-Up Adjustment Amortization Amount ³	\$ 8,699,040	\$ 7,376,265	\$ 9,139,509	\$ 7,862,890	\$ 7,517,114	\$ 8,074,065	\$ 8,228,080	22
23	Ending TO4-Cycle 3 Wholesale True-Up Adjustment Balance	\$ 100,775,967	\$ 93,399,702	\$ 84,260,193	\$ 76,397,303	\$ 68,880,189	\$ 60,806,124	\$ 52,578,044	23
24									24
NOTES:									
¹ The derivation of forecast sales shown on lines 8 through 13 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.									
² On lines 17 through 23, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on 20, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.									
³ December amortization is equal to the November true-up adjustment balance so that the true-up adjustment is totally amortized during the rate effective period.									

Section 3.1.3

SAN DIEGO GAS & ELECTRIC COMPANY
 TO4-Cycle 5 Annual Transmission Formulaic Filing
 Amortization Schedule - TO4 Cycle 3 Wholesale True-Up Adjustment
 Amortization Period: January 1, 2016 - December 31, 2016

Line No.	Description	(h)	(i)	(j)	(k)	(l)	(m)	Reference	Line No.
1	Derivation of Amortization Rates:								
2	TO4-Cycle 3 Wholesale True-Up Adjustment							TO4-Cycle 3 Filing	1
3	TO4-Cycle 3 Forecast Sales @ Transmission Level (kWh)							Volume 3; Section 3.1.1; Page 3 of 3; Total Column: Line 25	2
4	Amortization Rate Per kWh @ Transmission Level							See Line 13; Col. M Line 2 / Line 3	3
5									4
6									5
7	Derivation of Forecast Sales @ Transmission Level: ¹								6
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	1,776,122	1,937,643	1,694,614	1,612,917	1,665,936	Total	TO4-Cycle 3 Filing	7
9	Exclude Sale for Resale	3	3	3	3	3		Vol. 1; Statement BD; Page BDWFP1; Col. (a) Col. (b); Sale for Resale (City of Escondido)	8
10	Total Forecast Sales Net of Resale - MWH	1,776,119	1,937,640	1,694,611	1,612,914	1,665,933		Line 8 Minus Line 9	9
11	Transmission Level Adjustment Factor from (TO4-Cycle 3)	1,04056	1,04056	1,04056	1,04056	1,04056		Statement BB; Page 1; Col. (b); Line 22	10
12	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000		MWH Conversion Factor	11
13	Total Forecast Sales Net of Resale - kWh	1,848,158,389	2,016,230,211	1,763,344,791	1,678,333,772	1,733,503,567	20,824,962,312	Line 10 x Line 11 x Line 12	12
14									13
15									14
16	Amortization of TO4-Cycle 3 Wholesale True-Up Adjustment: ²								15
17	Beginning Wholesale True-Up Adjustment Balance	\$ 52,578,044	\$ 41,720,724	\$ 31,550,014	\$ 21,763,800	\$ 13,105,265	Total	Beginning Balance	16
18	Recorded Sales Less Sale for Resale @ Transmission Level	2,064,129	1,933,595	1,860,497	1,646,109	1,621,621		Recorded Sales (January 2016 - December 2016)	17
19	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000		Conversion Factor	18
20	Recorded Sales in Total kWh @ Transmission Level	2,064,129,337	1,933,594,984	1,860,497,053	1,646,109,222	1,621,620,641	19,942,864,130	Line 18 x Line 19	19
21	Amortization Rate Per kWh @ Transmission Level	\$ 0.00526	\$ 0.00526	\$ 0.00526	\$ 0.00526	\$ 0.00526		See Line 4 Above	20
22	TO4-Cycle 3 Wholesale True-Up Adjustment Amount ³	\$ 10,857,320	\$ 10,170,710	\$ 9,786,214	\$ 8,658,535	\$ 13,105,265	\$ 109,475,007	Line 20 x Line 21	21
23	Ending TO4-Cycle 3 Wholesale True-Up Adjustment Balance	\$ 41,720,724	\$ 31,550,014	\$ 21,763,800	\$ 13,105,265	\$ -		Line 17 Minus Line 22	22
24									23
									24
	NOTES:								
1	The derivation of forecast sales shown on lines 8 through 13 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.								
2	On lines 17 through 23, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on 20, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.								
3	December amortization is equal to the November true-up adjustment balance so that the true-up adjustment is totally amortized during the rate effective period.								

San Diego Gas & Electric Company

Section 3.1.4

Amortization of TO4 Cycle 3 Wholesale Interest True-Up Adjustment

Docket No. ER18-____-____

Section 3.1.4											
SAN DIEGO GAS & ELECTRIC COMPANY											
TO4-Cycle 5 Annual Transmission Formulaic Filing											
Amortization Schedule - TO4 Cycle 3 Wholesale Interest True-Up Adjustment											
Amortization Period: January 1, 2016 - December 31, 2016											
Line No.	Description	(a) Amounts	(b)	(c)	(d)	(e)	(f)	(g)	Line No.		
1	Derivation of Amortization Rates:										
2	TO4-Cycle 3 Wholesale Interest True-Up Adjustment	\$ 239,795									1
3	TO4-Cycle 3 Forecast Sales @ Transmission Level (kWh)	20,824,962,312									2
4	Amortization Rate Per kWh @ Transmission Level	\$ 0.000001									3
5											4
6											5
7	Derivation of Forecast Sales @ Transmission Level: ¹										6
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	1,721,620	1,599,010	1,559,171	1,510,609	1,541,348	1,613,144	1,781,128			7
9	Exclude Sale for Resale	3	3	3	3	3	3	3			8
10	Total Forecast Sales Net of Resale - MWH	1,721,617	1,599,007	1,559,167	1,510,606	1,541,345	1,613,141	1,781,124			9
11	Transmission Level Adjustment Factor from (TO4-Cycle 3)	1.04056	1.04056	1.04056	1.04056	1.04056	1.04056	1.04056			10
12	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000	1,000	1,000			11
13	Total Forecast Sales Net of Resale - kWh	1,791,445,818	1,663,862,688	1,622,407,301	1,571,876,336	1,603,862,236	1,678,570,360	1,853,366,843			12
14											13
15											14
16	Amortization of TO4-Cycle 3 Wholesale Interest True-Up Adjustment: ²										15
17	Beginning Wholesale True-Up Adjustment Balance	\$ 239,795	\$ 223,257	\$ 209,234	\$ 191,859	\$ 176,911	\$ 162,620	\$ 147,270			16
18	Recorded Sales Less Sale for Resale @ Transmission Level	1,653,810	1,402,332	1,737,549	1,494,846	1,429,109	1,534,993	1,564,274			17
19	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000	1,000	1,000			18
20	Recorded Sales in Total kWh @ Transmission Level	1,653,809,917	1,402,331,711	1,737,549,159	1,494,845,914	1,429,109,046	1,534,993,364	1,564,273,782			19
21	Amortization Rate Per kWh @ Transmission Level	\$ 0.000001	\$ 0.000001	\$ 0.000001	\$ 0.000001	\$ 0.000001	\$ 0.000001	\$ 0.000001			20
22	TO4-Cycle 3 Wholesale Interest True-Up Adjustment Amortization Amount ³	\$ 16,538	\$ 14,023	\$ 17,375	\$ 14,948	\$ 14,291	\$ 15,350	\$ 15,643			21
23	Ending TO4-Cycle 3 Wholesale Interest True-Up Adjustment Balance	\$ 223,257	\$ 209,234	\$ 191,859	\$ 176,911	\$ 162,620	\$ 147,270	\$ 131,627			22
24											23
											24
NOTES:											
1 The derivation of forecast sales shown on lines 8 through 13 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.											
2 On lines 17 through 23, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on line 20, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.											
3 December amortization is equal to the November true-up adjustment balance so that the true-up adjustment is totally amortized during the rate effective period.											

Section 3.1.4												
SAN DIEGO GAS & ELECTRIC COMPANY												
TO4-Cycle 3 Annual Transmission Formulaic Filing												
Amortization Schedule - TO4 Cycle 3 Wholesale Interest True-Up Adjustment												
Amortization Period: January 1, 2016 - December 31, 2016												
Line No.	Description	(h)	(i)	(j)	(k)	(l)	(m)	Reference	Line No.			
1	Derivation of Amortization Rates:											
2	TO4-Cycle 3 Wholesale Interest True-Up Adjustment											
3	TO4-Cycle 3 Forecast Sales @ Transmission Level (kWh)											
4	Amortization Rate Per kWh @ Transmission Level											
5												
6												
7	Derivation of Forecast Sales @ Transmission Level:¹											
8	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total					
9	Exclude Sale for Resale	1,776,122	1,937,643	1,694,614	1,612,917	1,665,936	20,013,263					
10	Total Forecast Sales Net of Resale - MWH	1,776,119	1,937,640	1,694,611	1,612,914	1,665,933	20,013,226					
11	Transmission Level Adjustment Factor from (TO4-Cycle 3)	1,040,56	1,040,56	1,040,56	1,040,56	1,040,56						
12	Conversion Factor from MWH to kWh	1,000	1,000	1,000	1,000	1,000						
13	Total Forecast Sales Net of Resale - kWh	1,848,158,389	2,016,230,211	1,763,344,791	1,678,333,772	1,733,503,567	20,824,962,312					
14												
15												
16	Amortization of TO4-Cycle 3 Wholesale Interest True-Up Adjustment:²											
17	Beginning Wholesale True-Up Adjustment Balance	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total					
18	Total Per TO4-Cycle 3 Filing - MWH (Statement BD)	\$ 131,627	\$ 110,986	\$ 91,650	\$ 73,045	\$ 56,584						
19	Conversion Factor from MWH to kWh	2,064,129	1,933,595	1,860,497	1,646,109	1,621,621						
20	Recorded Sales in Total kWh @ Transmission Level	2,064,129,337	1,933,594,984	1,860,497,053	1,646,109,222	1,621,620,641	19,942,864,130					
21	Amortization Rate Per kWh @ Transmission Level	\$ 0.00001	\$ 0.00001	\$ 0.00001	\$ 0.00001	\$ 0.00001						
22	TO4-Cycle 3 Wholesale Interest True-Up Adjustment Amortization Amount ³	\$ 20,641	\$ 19,336	\$ 18,605	\$ 16,461	\$ 56,584	\$ 239,795					
23	Ending TO4-Cycle 3 Wholesale Interest True-Up Adjustment Balance	\$ 110,986	\$ 91,650	\$ 73,045	\$ 56,584	\$ -						
24												
NOTES:												
1	The derivation of forecast sales shown on lines 8 through 13 calculates the forecast sales used on line 3 to develop the amortization rate during the rate effective period.											
2	On lines 17 through 23, SDG&E is taking the product between the amortization rate on line 4 and the recorded sales on 20, to indicate the amortization of the true-up adjustment over the 2016 rate effective period.											
3	December amortization is equal to the November true-up adjustment balance so that the true-up adjustment is totally amortized during the rate effective period.											

San Diego Gas & Electric Company

Section 3.2.1

Derivation of CAISO Cost of Service
Rates in Effect for the 12-Month TU
Period (January 2016 – December 2016)
Based on SDG&E's TO4-Cycle 3 FERC
Approved Wholesale BTRR

Docket No. ER18-____-____

Section 3.2.1

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

Derivation of True-Up Transmission Rates

Medium-Large Commercial Customers ¹

(\$000)

Line No.	Customer Classes	Derivation of Demand Rates & Proof of Revenues Calculation	Reference	Line No.
1	<u>Med-Lrg C&I - Demand Revenue Requirement:</u>	\$ 354,761	Section 3.2.1; Page 1; Line 6	1
2	<i>Non-Coincident Demand Determinants @ Transmission Level Used</i>			2
3	<i>to Allocate Total Customer Class Revenues to Voltage Level:</i>			3
4	Secondary ²	21,080.61	Section 3.2.1; Page 16; Line 28; Col. C.	4
5	Primary ²	4,156.68	Section 3.2.1; Page 16; Line 29; Col. C.	5
6	Transmission ²	1,381.38	Section 3.2.1; Page 16; Line 30; Col. C.	6
7	Total	26,618.68	Sum Lines 4; 5; 6	7
8	<i>Allocation Factors Per Above to Allocate</i>			8
9	<i>Demand Revenue Requirements to Voltage Level:</i>			9
10	Secondary	79.19480715%	Line 4 / Line 7	10
11	Primary	15.61566915%	Line 5 / Line 7	11
12	Transmission	5.18952370%	Line 6 / Line 7	12
13	Total	100.00000000%	Sum Lines 10; 11; 12	13
14				14
15	<u>Allocation of Revenue Requirements to Voltage Level:</u>			15
16	Secondary	\$ 280,953	Line 1 x Line 10	16
17	Primary	\$ 55,398	Line 1 x Line 11	17
18	Transmission	\$ 18,410	Line 1 x Line 12	18
19	Total	\$ 354,761	Sum Lines 16; 17; 18	19
20				20
21	<u>Non-Coincident Demand Determinants by Voltage Level @ Transmission Level:</u>			21
22	Secondary	21,080.61	Line 4	22
23	Primary	4,156.68	Line 5	23
24	Transmission	1,381.38	Line 6	24
25	Total	26,618.68	Sum Lines 22; 23; 24	25
26				26
27	<u>Non-Coincident Demand Rate By Voltage Level @ Transmission:</u>			27
28	Secondary	\$ 13.3275338147	Line 16 / Line 22	28
29	Primary	\$ 13.3275338176	Line 17 / Line 23	29
30	Transmission	\$ 13.3275338024	Line 18 / Line 24	30
31				31
32	<u>Non-Coincident Demand Rate By Voltage Level @ Transmission Level:</u>			32
33	Secondary	\$ 13.3275338147	Line 28 Rounded to 10 Decimal Places	33
34	Primary	\$ 13.3275338176	Line 29 Rounded to 10 Decimal Places	34
35	Transmission	\$ 13.3275338024	Line 30 Rounded to 10 Decimal Places	35
36				36
37	<u>Proof of Revenue Calculations:</u>			37
38	Secondary	\$ 280,953	Line 22 x Line 33	38
39	Primary	55,398	Line 23 x Line 34	39
40	Transmission	18,410	Line 24 x Line 35	40
41	Total	\$ 354,761	Sum Lines 38; 39; 40	41
42				42
43	Difference	\$ 0.00	Line 1 - Line 41	43
	<u>Notes:</u>			
¹	Medium-Large commercial customers include the following California Public Utilities Commission (CPUC) tariffs:			
	AD, AY-TOU, AL-TOU, A6-TOU, DG-R, OL-TOU.			
²	LF = Transmission Loss Factor; Secondary Level = 1.0457; Primary Level = 1.0108; Transmission Level = 1.0000			

Section 3.2.1				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Medium-Large Commercial Customers				
(\$000)				
Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Rate Proposal 90% of Total M&L C&I NCD Rates ¹	90.00%		1
2	Secondary	\$ 11.9947804332	90% x Section 3.2.1; Page 4; Line 33	2
3	Primary	\$ 11.9947804358	90% x Section 3.2.1; Page 4; Line 34	3
4	Transmission	\$ 11.9947804222	90% x Section 3.2.1; Page 4; Line 35	4
5				5
6	Rate Proposal 90% of Total M&L C&I NCD Rates (Rounded)			6
7	Secondary	\$ 11.9947804332	Line 2, Rounded to 10 Decimal Places	7
8	Primary	\$ 11.9947804358	Line 3, Rounded to 10 Decimal Places	8
9	Transmission	\$ 11.9947804222	Line 4, Rounded to 10 Decimal Places	9
10				10
11	Pertaining to Schedules @ 90% NCD with Maximum On-Peak Period Demand			11
12	NCD Determinants By Voltage Level @ TRANSMISSION Level (MW)			12
13	Secondary	20,924	Section 3.2.1; Page 17; Line 10; Col. D.	13
14	Primary	3,951	Section 3.2.1; Page 17; Line 11; Col. D.	14
15	Transmission	229	Section 3.2.1; Page 17; Line 12; Col. D.	15
16	Total	25,103	Sum Lines 13; 14; 15	16
17				17
18	Annual Revenues from Current NCD Rate 100% of Total M&L C&I NCD Rates			18
19	Secondary	\$ 278,860	Section 3.2.1; Page 4; Line 33 x Line 13	19
20	Primary	\$ 52,657	Section 3.2.1; Page 4; Line 34 x Line 14	20
21	Transmission	\$ 3,050	Section 3.2.1; Page 4; Line 35 x Line 15	21
22	Total	\$ 334,567	Sum Lines 19; 20; 21	22
23				23
24	Annual Revenues from Proposed NCD Rate 90% of Total M&L C&I NCD Rates			24
25	Secondary	\$ 250,974	Line 7 x Line 13	25
26	Primary	\$ 47,391	Line 8 x Line 14	26
27	Transmission	\$ 2,745	Line 9 x Line 15	27
28	Total	\$ 301,111	Sum Lines 25; 26; 27	28
29				29
30	Revenue Reallocation to Maximum On-Peak Period Demands			30
31	Secondary	\$ 27,886	Line 19 - Line 25	31
32	Primary	\$ 5,266	Line 20 - Line 26	32
33	Transmission	\$ 305	Line 21 - Line 27	33
34	Total	\$ 33,457	Sum Lines 31; 32; 33	34
35				35
36	Pertaining to Schedules @ 90% NCD with Maximum Demand at Time of System Peak			36
37	NCD Determinants By Voltage Level @ TRANSMISSION Level (MW)			37
38	Secondary	-	Section 3.2.1; Page 17; Col. D; Line 17	38
39	Primary	204	Section 3.2.1; Page 17; Col. D; Line 18	39
40	Transmission	1,153	Section 3.2.1; Page 17; Col. D; Line 19	40
41	Total	1,356	Sum Lines 38; 39; 40	41
42				42
43	Annual Revenues from Current NCD Rate 100% of Total M&L C&I NCD Rates			43
44	Secondary	\$ -	Line 38 x Section 3.2.1; Page 4; Line 33	44
45	Primary	\$ 2,715	Line 39 x Section 3.2.1; Page 4; Line 34	45
46	Transmission	\$ 15,360	Line 40 x Section 3.2.1; Page 4; Line 35	46
47	Total	\$ 18,076	Sum Lines 44; 45; 46	47
48				48
49	Annual Revenues from Proposed NCD Rate 90% of Total M&L C&I NCD Rates			49
50	Secondary	\$ -	Line 7 x Line 38	50
51	Primary	\$ 2,444	Line 8 x Line 39	51
52	Transmission	\$ 13,824	Line 9 x Line 40	52
53	Total	\$ 16,268	Sum Lines 50; 51; 52	53
54				54
55	Revenue Reallocation to Maximum Demand at the Time of System Peak			55
56	Secondary	\$ -	Line 44 - Line 50	56
57	Primary	\$ 272	Line 45 - Line 51	57
58	Transmission	\$ 1,536	Line 46 - Line 52	58
59	Total	\$ 1,808	Sum Lines 56; 57; 58	59
	Notes:			
	¹ 90% NCD Rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, DG-R, A6-TOU			
	² 90% NCD Rates and Maximum On-Peak Period Demand charges are applicable to the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, and DG-R			
	³ 90% NCD Rates and Maximum Demand at Time of System Peak charges are applicable to the following California Public Utilities Commission (CPUC) tariffs: A6-TOU			

Section 3.2.1				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Medium-Large Commercial Customers				
(\$000)				
Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Med-Lrg C&I Maximum On-Peak Period Demand Proposal			1
2	Revenue Reallocation to Maximum On-Peak Period Demands ¹	\$ 33,457	Section 3.2.1; Page 5; Line 34	2
3				3
4	Summer Maximum On-Peak Period Demands By Voltage Level @ <i>Meter Level</i> (MW) ²			4
5	Secondary	9,593	Section 3.2.1; Page 17; Col. B; Line 30	5
6	Primary	2,115	Section 3.2.1; Page 17; Col. B; Line 31	6
7	Transmission	214	Section 3.2.1; Page 17; Col. B; Line 32	7
8	Total	11,922	Sum Lines 5; 6; 7	8
9				9
10	Summer Maximum On-Peak Period Demands @ <i>Transmission Level</i> (MW)			10
11	Secondary	10,032	Section 3.2.1; Page 17; Col. D; Line 30	11
12	Primary	2,138	Section 3.2.1; Page 17; Col. D; Line 31	12
13	Transmission	214	Section 3.2.1; Page 17; Col. D; Line 32	13
14	Total	12,383	Sum Lines 11; 12; 13	14
15				15
16	Summer Maximum On-Peak Period Allocation to Voltage Levels			16
17	Secondary	81.01%	Line 11 / Line 14	17
18	Primary	17.26%	Line 12 / Line 14	18
19	Transmission	1.72%	Line 13 / Line 14	19
20	Total	100.00%	Sum Lines 17; 18; 19	20
21	Share of Total Revenue Allocation to Summer Peak Period	80.00%		21
22	Revenues for Proposed Summer Maximum On-Peak Period Demand Rates	\$ 26,765	Line 2 x Line 21	22
23	Secondary	\$ 21,683	(Line 2 x Line 21) x Line 17	23
24	Primary	\$ 4,621	(Line 2 x Line 21) x Line 18	24
25	Transmission	\$ 462	(Line 2 x Line 21) x Line 19	25
26	Total	\$ 26,765	Sum Lines 23; 24; 25	26
27				27
28	Summer Maximum On-Peak Period Demand Rates ³	\$/kW		28
29	Secondary	\$ 2.1614442586	Line 23 / Line 11	29
30	Primary	\$ 2.1614442586	Line 24 / Line 12	30
31	Transmission	\$ 2.1614442586	Line 25 / Line 13	31
32				32
33				33
34	Summer Maximum On-Peak Period Demand Rates (Rounded)	\$/kW		34
35	Secondary	\$ 2.1614442586	Line 29, Rounded to 10 Decimal Places	35
36	Primary	\$ 2.1614442586	Line 30, Rounded to 10 Decimal Places	36
37	Transmission	\$ 2.1614442586	Line 31, Rounded to 10 Decimal Places	37
38				38
Notes:				
¹ Revenues to be reallocated from NCD to recovery from Maximum On-Peak Period Demands for the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, and DG-R				
² Summer Maximum On-Peak Period Determinants for the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, and DG-R				
³ Summer Maximum On-Peak Period Demand Charges for the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, and DG-R				

Section 3.2.1				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Medium-Large Commercial Customers				
(\$000)				
Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Winter Maximum On-Peak Period Demands By Voltage Level @ <i>Meter Level</i> (MW) ¹			1
2	Secondary	7,891	Section 3.2.1; Page 17; Col. B; Line 35.	2
3	Primary	1,768	Section 3.2.1; Page 17; Col. B; Line 36.	3
4	Transmission	187	Section 3.2.1; Page 17; Col. B; Line 37.	4
5	Total	9,846	Sum Lines 2; 3; 4	5
6				6
7	Winter Maximum On-Peak Period Demands @ <i>Transmission Level</i> (MW)			7
8	Secondary	8,252	Section 3.2.1; Page 17; Col. D; Line 35.	8
9	Primary	1,787	Section 3.2.1; Page 17; Col. D; Line 36.	9
10	Transmission	187	Section 3.2.1; Page 17; Col. D; Line 37.	10
11	Total	10,225	Sum Lines 8; 9; 10	11
12				12
13	Winter Maximum On-Peak Period Allocation to Voltage Levels			13
14	Secondary	80.70%	Line 8 / Line 11	14
15	Primary	17.47%	Line 9 / Line 11	15
16	Transmission	1.83%	Line 10 / Line 11	16
17	Total	100.00%	Sum Lines 14; 15; 16	17
18	Share of Total Revenue Allocation to Winter Peak Period	20.00%		18
19	Revenues for Proposed Winter Maximum On-Peak Period Demand Rates	\$ 6,691	(Section 3.2.1; Page 6; Line 2) x Line 18	19
20	Secondary	\$ 5,400	(Section 3.2.1; Page 6; Line 2 x Line 18) x Line 14	20
21	Primary	\$ 1,169	(Section 3.2.1; Page 6; Line 2 x Line 18) x Line 15	21
22	Transmission	\$ 122	(Section 3.2.1; Page 6; Line 2 x Line 18) x Line 16	22
23	Total	\$ 6,691	Sum Lines 20; 21; 22	23
24				24
25	Winter Maximum On-Peak Period Demand Rates ²	\$/kW		25
26	Secondary	\$ 0.6543811530	Line 20 / Line 8	26
27	Primary	\$ 0.6543811530	Line 21 / Line 9	27
28	Transmission	\$ 0.6543811530	Line 22 / Line 10	28
29				29
30				30
31	Winter Maximum On-Peak Period Demand Rates (Rounded)	\$/kW		31
32	Secondary	\$ 0.6543811530	Line 26, Rounded to 10 Decimal Places	32
33	Primary	\$ 0.6543811530	Line 27, Rounded to 10 Decimal Places	33
34	Transmission	\$ 0.6543811530	Line 28, Rounded to 10 Decimal Places	34
35				35
36				36
37	<u>Proof of Revenue Calculations:</u>			37
38	Secondary	\$ 27,083	(Section 3.2.1; Page 6; Line 11 x Line 35) + (Section 3.2.1; Page 7; Line 8 x Line 32)	38
39	Primary	\$ 5,790	(Section 3.2.1; Page 6; Line 12 x Line 36) + (Section 3.2.1; Page 7; Line 9 x Line 33)	39
40	Transmission	\$ 584	(Section 3.2.1; Page 6; Line 13 x Line 37) + (Section 3.2.1; Page 7; Line 10 x Line 34)	40
41	Total	\$ 33,457	Sum Lines 38; 39; 40	41
42				42
43	Difference	\$ (0.00)	Section 3.2.1; Page 6; Line 2 Minus Page 7; Line 41	43
44				44
Notes:				
¹ Winter Maximum On-Peak Period Determinants for the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, AL-TOU-DER, DG-R				
² Winter Maximum On-Peak Period Demand Charges for the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, AL-TOU-DER, DG-R				

Section 3.2.1				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Medium-Large Commercial Customers				
(\$000)				
Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Med-Lrg C&I Maximum Demand at the Time of System Peak Proposal			1
2	Revenue Reallocation to Maximum Demand at the Time of System Peak ¹	\$ 1,808	Section 3.2.1; Page 5; Line 59	2
3				3
4	Summer Maximum Demand at the Time of System Peak By Voltage Level @ <i>Meter Level</i> (MW) ²			4
5	Secondary	-	Section 3.2.1; Page 17; Col. B; Line 42	5
6	Primary	84	Section 3.2.1; Page 17; Col. B; Line 43	6
7	Transmission	468	Section 3.2.1; Page 17; Col. B; Line 44	7
8	Total	552	Sum Lines 5; 6; and 7	8
9				9
10	Summer Maximum Demand at the Time of System Peak @ <i>Transmission Level</i> (MW)			10
11	Secondary	-	Section 3.2.1; Page 17; Col. D; Line 42	11
12	Primary	85	Section 3.2.1; Page 17; Col. D; Line 43	12
13	Transmission	468	Section 3.2.1; Page 17; Col. D; Line 44	13
14	Total	553	Sum Lines 11; 12; and 13	14
15				15
16	Summer Maximum Demand at the time of System Peak Allocation to Voltage Levels (MW)			16
17	Secondary	0.00%	Line 11 / Line 14	17
18	Primary	15.41%	Line 12 / Line 14	18
19	Transmission	84.59%	Line 13 / Line 14	19
20	Total	100.00%	Sum Lines 17; 18; and 19	20
21	Share of Total Revenue Allocation to Summer Maximum Demand at the Time of System Peak	80.00%		21
22	Revenues for Proposed Summer Maximum Demand at the Time of System Peak Rates	\$ 1,446	Line 2 x Line 21	22
23	Secondary	\$ -	(Line 2 x Line 21) x Line 17	23
24	Primary	\$ 223	(Line 2 x Line 21) x Line 18	24
25	Transmission	\$ 1,223	(Line 2 x Line 21) x Line 19	25
26	Total	\$ 1,446	Sum Lines 23; 24; and 25	26
27				27
28	Summer Maximum Demand at the Time of System Peak Rates ³	\$/kW		28
29	Secondary	\$ -	Line 23 / Line 11	29
30	Primary	\$ 2.6145842414	Line 24 / Line 12	30
31	Transmission	\$ 2.6145842414	Line 25 / Line 13	31
32				32
33				33
34	Summer Maximum Demand at the Time of System Peak Rates (Rounded)	\$/kW		34
35	Secondary	\$ -	Line 29, Rounded to 10 Decimal Places	35
36	Primary	\$ 2.6145842414	Line 30, Rounded to 10 Decimal Places	36
37	Transmission	\$ 2.6145842414	Line 31, Rounded to 10 Decimal Places	37
38				38
Notes:				
¹ Revenues to be reallocated from NCD to recovery from Maximum Demand at the time of System Peak for the following California Public Utilities Commission (CPUC) tariffs:				
A6-TOU				
² Summer Maximum Demand at the time of System Peak Determinants for the following California Public Utilities Commission (CPUC) tariffs:				
A6-TOU				
³ Summer Maximum Demand at the time of System Peak Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:				
A6-TOU				

Section 3.2.1				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Medium-Large Commercial Customers				
(\$000)				
Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Winter Maximum Demand at the Time of System Peak By Voltage Level @ <i>Meter Level</i> (MW) ¹			1
2	Secondary	-	Section 3.2.1; Page 17; Col. B; Line 47	2
3	Primary	69	Section 3.2.1; Page 17; Col. B; Line 48	3
4	Transmission	440	Section 3.2.1; Page 17; Col. B; Line 49	4
5	Total	508	Sum Lines 2; 3; 4	5
6				6
7	Winter Maximum Demand at the Time of System Peak @ <i>Transmission Level</i> (MW)			7
8	Secondary	-	Section 3.2.1; Page 17; Col. D; Line 47	8
9	Primary	69	Section 3.2.1; Page 17; Col. D; Line 48	9
10	Transmission	440	Section 3.2.1; Page 17; Col. D; Line 49	10
11	Total	509	Sum Lines 8; 9; 10	11
12				12
13	Winter Maximum Demand at the Time of System Peak Allocation to Voltage Levels			13
14	Secondary	0.00%	Line 8 / Line 11	14
15	Primary	13.61%	Line 9 / Line 11	15
16	Transmission	86.39%	Line 10 / Line 11	16
17	Total	100.00%	Sum Lines 14; 15; 16	17
18	Share of Total Revenue Allocation to Winter Maximum Demand at the Time of System Peak	20.00%		18
19	Revenues for Proposed Winter Maximum Demand at the Time of System Peak Rates	\$ 362	Section 3.2.1; Page 8; Line 2 x Line 18	19
20	Secondary	\$ -	(Section 3.2.1; Page 8; Line 2) x (Line 18) x (Line 14)	20
21	Primary	\$ 49	(Section 3.2.1; Page 8; Line 2) x (Line 18) x (Line 15)	21
22	Transmission	\$ 312	(Section 3.2.1; Page 8; Line 2) x (Line 18) x (Line 16)	22
23	Total	\$ 362	Sum Lines 20; 21; 22	23
24				24
25	Winter Maximum Demand at the Time of System Peak Rates ²	\$/kW		25
26	Secondary	\$ -	Line 20 / Line 8	26
27	Primary	\$ 0.7105323207	Line 21 / Line 9	27
28	Transmission	\$ 0.7105323207	Line 22 / Line 10	28
29				29
30				30
31	Winter Maximum Demand at the Time of System Peak Rates (Rounded)	\$/kW		31
32	Secondary	\$ -	Line 26, Rounded to 10 Decimal Places	32
33	Primary	\$ 0.7105323207	Line 27, Rounded to 10 Decimal Places	33
34	Transmission	\$ 0.7105323207	Line 28, Rounded to 10 Decimal Places	34
35				35
36				36
37	Proof of Revenue Calculations:			37
38	Secondary	\$ -	Section 3.2.1; Page 8 (Line 11 x Line 35) + Page 9; (Line 8 x Line 32)	38
39	Primary	\$ 272	Section 3.2.1; Page 8 (Line 12 x Line 36) + Page 9; (Line 9 x Line 33)	39
40	Transmission	\$ 1,536	Section 3.2.1; Page 8 (Line 13 x Line 37) + Page 9; (Line 10 x Line 34)	40
41	Total	\$ 1,808	Sum Lines 38; 39; and 40	41
42				42
43	Difference	\$ 0.00	Section 3.2.1; Page 8; Line 2 Minus Page 9; Line 41	43
44				44
Notes:				
¹ Winter Maximum Demand at the time of System Peak Determinants for the following California Public Utilities Commission (CPUC) tariffs:				
A6-TOU				
² Winter Maximum Demand at the time of System Peak Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:				
A6-TOU				

Section 3.2.1
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of True-Up Transmission Rates
Agricultural Customers¹
(\$000)

Line No.	Customer Classes	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Allocated Agricultural Transmission Revenue Requirement	\$ 7,170	Section 3.2.1; Page 1; Line 7	1
2				2
3	Billing Determinants (MWh)	330,090	Section 3.2.1; Page 18.1; Line 25 + Line 29	3
4				4
5	Energy Rate per kWh	\$ 0.0217211446	Line 1 / Line 3	5
6				6
7	Energy Rate per kWh - Rounded	\$ 0.0217211446	Line 5, Rounded to 10 Decimal Places	7
8				8
9				9
10	Schedules PA and TOU-PA Billing Determinants (MWh)	86,730	Section 3.2.1; Page 18.1; Line 25	10
11				11
12	Annual Revenues from Schedules PA and TOU-PA Energy Rates	\$ 1,884	Line 7 x Line 10	12
13				13
14	Revenue Allocated to Schedule PA-T-1 Non-Coincident Demand Charges	\$ 5,286	Line 1 - Line 12	14

Notes:

- 1 The following California Public Utilities Commission (CPUC) tariffs are offered to Agricultural customers: Schedules PA, TOU-PA and PA-T-1. No demand rates are applicable to Schedule PA and TOU-PA, as shown on this page.

Section 3.2.1
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of True-Up Transmission Rates
Agricultural Customers ¹
(\$000)

Line No.	Customer Classes	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Agriculture - Demand Revenue Requirement	\$ 5,286	Section 3.2.1; Page 10; Line 14	1
2				2
3	Non-Coincident Demand Determinants @ Transmission Level ²			3
4	Secondary	874	Section 3.2.1; Page 16; Col. C; Line 36	4
5	Primary	157	Section 3.2.1; Page 16; Col. C; Line 37	5
6	Transmission	-	Section 3.2.1; Page 16; Col. C; Line 38	6
7	Total	1,031	Sum Lines 4; 5; 6	7
8				8
9	Allocation Factors Per Above to Allocate			9
10	Demand Revenue Requirements to Voltage Level			10
11	Secondary	84.82%	Line 4 / Line 7	11
12	Primary	15.18%	Line 5 / Line 7	12
13	Transmission	0.00%	Line 6 / Line 7	13
14	Total	100.00%	Sum Lines 11; 12; 13	14
15				15
16	Allocation of Revenue Requirements to Voltage Level			16
17	Secondary	\$ 4,483	Line 1 x Line 11	17
18	Primary	\$ 803	Line 1 x Line 12	18
19	Transmission	\$ -	Line 1 x Line 13	19
20	Total	\$ 5,286	Sum Lines 17; 18; 19	20
21				21
22	Schedule PA-T-1 Demand Determinants by Voltage Level @ Transmission Level (MW)			22
23	Secondary	874	Section 3.2.1; Page 17; Col. D; Line 55	23
24	Primary	157	Section 3.2.1; Page 17; Col. D; Line 56	24
25	Transmission	-	Section 3.2.1; Page 17; Col. D; Line 57	25
26	Total	1,031	Sum Lines 23; 24; 25	26
27				27
28	Non-Coincident Demand Rate by Voltage Level @ Transmission			28
29	Secondary	\$ 5.1286779313	Line 17 / Line 23	29
30	Primary	\$ 5.1286779313	Line 18 / Line 24	30
31	Transmission	\$ 5.0738800270	Line 30 x (Page 17; Col. D; Line 57 / Line 56)	31
32				32
33	Non-Coincident Demand Rate by Voltage Level @ Transmission (Rounded)			33
34	Secondary	\$ 5.1286779313	Line 29, Rounded to 10 Decimal Places	34
35	Primary	\$ 5.1286779313	Line 30, Rounded to 10 Decimal Places	35
36	Transmission	\$ 5.0738800270	Line 31, Rounded to 10 Decimal Places	36
37				37
38	Proof of Revenues			38
39	Secondary	\$ 4,483	Line 23 x Line 34	39
40	Primary	\$ 803	Line 24 x Line 35	40
41	Transmission	\$ -	Line 25 x Line 36	41
42	Total	\$ 5,286	Sum Lines 39; 40; 41	42
43				43
44	Difference	\$ 0	Line 1 Less Line 42	44

Notes:

¹ The following California Public Utilities Commission (CPUC) tariffs are offered to Agricultural customers: Schedules PA, TOU-PA and PA-T-1.

² Non-Coincident Demand (100%) rates applicable to the following CPUC tariff: Schedule PA-T-1.

Section 3.2.1				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Standby Revenues Calculation				
(\$000)				
Line No.	Customer Classes	Derivation of Standby Surcharge & Proof of Revenues Calculation	Reference	Line No.
1	<u>Standby - Demand Revenue Requirement:</u>	\$ 12,324	Section 3.2.1; Page 1; Line 9	1
2	<i>Demand Determinants @ Transmission Level Used to Allocate</i>			2
3	<i>Total Class Revenues to Voltage Level:</i>			3
4	Secondary ¹	119.74	Section 3.2.1; Page 16; Col. C; Line 44	4
5	Primary ¹	1,247.42	Section 3.2.1; Page 16; Col. C; Line 45	5
6	Transmission ¹	704.71	Section 3.2.1; Page 16; Col. C; Line 46	6
7	Total	2,071.87	Sum Lines 4; 5; 6	7
8	<i>Allocation Factors Per Above to Allocate</i>			8
9	<i>Demand Revenue Requirements to Voltage Level:</i>			9
10	Secondary	5.7791700%	Line 4 / Line 7	10
11	Primary	60.2074831%	Line 5 / Line 7	11
12	Transmission	34.0133469%	Line 6 / Line 7	12
13	Total	100.0000000%	Sum Lines 10; 11; 12	13
14				14
15	<u>Allocation of Revenue Requirements to Voltage Level:</u>			15
16	Secondary	\$ 712	Line 1 x Line 10	16
17	Primary	7,420	Line 1 x Line 11	17
18	Transmission	4,192	Line 1 x Line 12	18
19	Total	\$ 12,324	Sum Lines 16; 17; 18	19
20				20
21	<u>Demand Determinants By Voltage Level @ Transmission:</u>			21
22	Secondary	119.74	Line 4	22
23	Primary	1,247.42	Line 5	23
24	Transmission	704.71	Line 6	24
25	Total	2,071.87	Sum Lines 22; 23; 24	25
26				26
27	<u>Demand Rate By Voltage Level @ Transmission:</u>			27
28	Secondary	\$ 5.9463740885	Line 16 / Line 22	28
29	Primary	\$ 5.9482763211	Line 17 / Line 23	29
30	Transmission	\$ 5.9485293283	Line 18 / Line 24	30
31				31
32	<u>Demand Rate By Voltage Level @ Transmission (Rounded):</u>			32
33	Secondary	\$ 5.9463740885	Line 28 Rounded to 10 Decimal Places	33
34	Primary	\$ 5.9482763211	Line 29 Rounded to 10 Decimal Places	34
35	Transmission	\$ 5.9485293283	Line 30 Rounded to 10 Decimal Places	35
36				36
37	<u>Proof of Revenue Calculations:</u>			37
38	Secondary	\$ 712	Line 22 x Line 33	38
39	Primary	7,420	Line 23 x Line 34	39
40	Transmission	4,192	Line 24 x Line 35	40
41	Total	\$ 12,324	Sum Lines 38; 39; 40	41
42				42
43	Difference	\$ (0)	Line 1 - Line 41	43
	<u>Notes:</u>			
	¹ LF = Transmission Loss Factor; Secondary Level = 1.0457; Primary Level = 1.0108; Transmission Level = 1.0000			

Section 3.2.1									
SAN DIEGO GAS AND ELECTRIC COMPANY									
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing									
Allocation of TO4-CYCLE-3 WHOLESALE Base Transmission Revenue Requirements ("BTRR")									
(\$000)									
Line No.	Customer Classes	Transmission Energy Rates \$/kWh	Transmission Demand Rates \$/kW-Mo	Primary Demand Rates \$/kW-Mo	Secondary Demand Rates \$/kW-Mo	Reference	Line No.		
1	Residential	\$ 0.0413558761				Section 3.2.1; Page 2; Line 11	1		
2							2		
3	Small Commercial	\$ 0.0427706278				Section 3.2.1; Page 3; Line 11	3		
4							4		
5	Med & Lrg Commercial/Industrial						5		
6	Non-Coincident Demand (100%) ¹		\$ 13.3275338024	\$ 13.3275338176	\$ 13.3275338147	Section 3.2.1; Page 4; Lines 33;34;35	6		
7							7		
8	Non-Coincident Demand (90%) ²		\$ 11.9947804222	\$ 11.9947804358	\$ 11.9947804332	Section 3.2.1; Page 5; Lines 7;8;9	8		
9							9		
10	Maximum On-Peak Demand ³						10		
11	Summer		\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	Section 3.2.1; Page 6; Lines 35;36;37	11		
12	Winter		\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	Section 3.2.1; Page 7; Lines 32;33;34	12		
13							13		
14	Maximum Demand at the Time of System Peak ⁴						14		
15	Summer		\$ 2.6145842414	\$ 2.6145842414	\$ -	Section 3.2.1; Page 8; Lines 35;36;37	15		
16	Winter		\$ 0.7105323207	\$ 0.7105323207	\$ -	Section 3.2.1; Page 9; Lines 32;33;34	16		
17							17		
18	Agricultural (Schedules PA and TOU-PA)	\$ 0.0217211446				Section 3.2.1; Page 10; Line 7	18		
19							19		
20	Agricultural (Schedule PA-T-1) ¹						20		
21	Non-Coincident Demand (100%)		\$ 5.0738800270	\$ 5.1286779313	\$ 5.1286779313	Section 3.2.1; Page 11; Lines 34;35;36	21		
22							22		
23	Street Lighting	\$ 0.0308143390				Section 3.2.1; Page 12; Line 11	23		
24							24		
25	Standby Rate		\$ 5.9485293283	\$ 5.9482763211	\$ 5.9463740885	Section 3.2.1; Page 13; Lines 33;34;35	25		
	<i>Notes:</i>								
1	Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1								
2	NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.								
3	Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R								
4	Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU								

Section 3.2.1

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

Allocation of TO4-CYCLE-3 WHOLESale Base Transmission Revenue Requirements ("BTRR")

(\$000)

Line No.	Customer Classes	Total Revenues Per Cost of Service Study	Total Revenues Per Rate Design	Difference	Reference	Line No.
1	Residential Customers	\$ 332,188	\$ 332,188	\$ 0	Sect. 3.2.1; Pg. 1; Ln. 4; & Pg. 2; Ln. 13	1
2						2
3	Small Commercial	86,127	86,127	0	Sect. 3.2.1; Pg. 1; Ln. 5; & Pg. 3; Ln. 13	3
4						4
5	Med & Lrg Commercial/Industrial	354,761	354,761	0	Sect. 3.2.1; Pg. 1; Ln. 6; & Pg. 4; Ln. 41	5
6						6
7	Agricultural	7,170	7,170	0	Sect. 3.2.1; Pg. 1; Ln. 7; & Pg. 10, 11; Ln. 12, 42	7
8						8
9	Street Lighting	2,927	2,927	(0)	Sect. 3.2.1; Pg. 1; Ln. 8; & Pg. 12; Ln. 13	9
10						10
11	Standby Revenues	12,324	12,324	(0)	Sect. 3.2.1; Pg. 1; Ln. 9; & Pg. 13; Ln. 41	11
12						12
13	Grand Total	\$ 795,496	\$ 795,496	\$ (0)	Sum Lines 1 thru 11	13

Section 3.2.1

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

Allocation of TO4-CYCLE-3 WHOLESAL Base Transmission Revenue Requirements ("BTRR")

Development of TO4-CYCLE-3 12-CP Allocation Factors and Voltage Level Allocation Factors

	(A)	(B)	(C) = (A) x (B)	(D)			
	5 Year Average		5 Year Average	5-Year Average			
	Ending 12/31/2012		Ending 12/31/2012	of 12-Monthly CPs			
	Of 12 CPs		Of 12 CPs	Allocation Percentages			
Line	Kilowatt @	Transmission	Kilowatt @	@ Transmission		Line	
No.	Customer Class	Meter Level ^{1,2}	Loss Factors	Transmission Level	Level	Reference	No.
1	<u>5-Year Average - 12CP Allocation Factors:</u>					From Retail Statement BL; Page BL-18	1
2	Residential Customers	16,022,144	1.0457	16,754,356	41.76%	Docket No. ER16-445	2
3	Small Commercial Customers	4,154,078	1.0457	4,343,919	10.83%	Docket No. ER16-445	3
4	Medium-Large Commercial Customers						4
5	Secondary	12,681,960	1.0457	13,261,525	33.05%	Docket No. ER16-445	5
6	Primary	3,282,796	1.0108	3,318,250	8.27%	Docket No. ER16-445	6
7	Transmission	1,313,118	1.0000	1,313,118	3.27%	Docket No. ER16-445	7
8	Total Medium-Large Commercial	17,277,874	1.0356	17,892,893	44.60%	Sum Lines 5; 6; 7	8
9							9
10	Agriculture						10
11	Secondary	318,945	1.0457	333,521	0.83%	Docket No. ER16-445	11
12	Primary	27,805	1.0108	28,105	0.07%	Docket No. ER16-445	12
13	Transmission	-	1.0000	-	0.00%	Docket No. ER16-445	13
14	Total Agricultural	346,750	1.0429	361,626	0.90%	Sum Lines 11; 12; 13	14
15							15
16	Street Lighting	141,169	1.0457	147,620	0.37%	Docket No. ER16-445	16
17	Standby Customers						17
18	Secondary	34,351	1.0457	35,921	0.09%	Docket No. ER16-445	18
19	Primary	370,228	1.0108	374,226	0.93%	Docket No. ER16-445	19
20	Transmission	211,414	1.0000	211,414	0.53%	Docket No. ER16-445	20
21	Total Standby Customers	615,993	1.0090	621,561	1.55%	Sum Lines 18; 19; 20	21
22							22
23	System Total	38,558,008	1.0406	40,121,975	100.00%	Sum Lines 2; 3; 8; 14; 16; 21	23
24							24
25				Transmission		From Retail Statement BL; Page BL-19	25
26	<u>Medium-Large Commercial Customers:</u>	Meter Level		Level	Ratios		26
27	Billing Determinants - (Non-Coincident Demand)						27
28	Secondary	20,159	1.0457	21,081	79.20%	Docket No. ER16-445	28
29	Primary	4,112	1.0108	4,157	15.62%	Docket No. ER16-445	29
30	Transmission	1,381	1.0000	1,381	5.19%	Docket No. ER16-445	30
31	Total	25,653	1.0376	26,619	100.00%	Sum Lines 28; 29; 30	31
32							32
33				Transmission			33
34	<u>Agricultural Customers:</u>	Meter Level		Level	Ratios		34
35	Billing Determinants - (Non-Coincident Demand)						35
36	Secondary	836	1.0457	874	84.82%	Docket No. ER16-445	36
37	Primary	155	1.0108	157	15.18%	Docket No. ER16-445	37
38	Transmission	-	1.0000	-	0.00%	Docket No. ER16-445	38
39	Total	991	1.0402	1,031	100.00%	Sum Lines 36; 37; 38	39
40							40
41				Transmission			41
42	<u>Standby Customers:</u>	Meter Level		Level	Ratios		42
43	Billing Determinants - (Contracted Standby Demand)						43
44	Secondary	115	1.0457	120	5.78%	Docket No. ER16-445	44
45	Primary	1,234	1.0108	1,247	60.21%	Docket No. ER16-445	45
46	Transmission	705	1.0000	705	34.01%	Docket No. ER16-445	46
47	Total	2,053	1.0090	2,072	100.00%	Sum Lines 44; 45; 46	47
	<u>Notes:</u>						
	¹ Information comes from SDG&E's TO4-Cycle 3 Informational filing filed with the FERC in Docket No. ER16-445-000 filed on December 1, 2015.						
	See Cost Statements Retail BL, Development of 12-CP Allocation Factors, Pages BL-18 and BL-19.						
	² SDG&E Load Research Data: 2008 - 2012.						

Section 3.2.1						
SAN DIEGO GAS AND ELECTRIC COMPANY						
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing						
Derivation of True-Up Transmission Rates						
Development of TO4-CYCLE-3 12-CP Allocation Factors and Voltage Level Allocation Factors						
	(A)	(B)	(C)	(D) = (B) x (C)	(E)	
		Forecast Demand		Forecast Demand		
Line		Determinants		Determinants		
No.	Customer Class	Megawatt @ Meter Level	Transmission Loss Factors	Megawatt @ Transmission Level	Ratios	Reference
1	Forecast Demand Determinants for Medium-Large Commercial Customers:					
2	Non-Coincident Demand Determinants Pertaining to Customers on Schedules @ 100% NCD Rate					
3	Secondary	150	1.0457	157	98.78%	Section 3.2.1; Page 19.1; Line 42
4	Primary	2	1.0108	2	1.22%	Section 3.2.1; Page 19.1; Line 43
5	Transmission	-	1.0000	-	0.00%	Section 3.2.1; Page 19.1; Line 44
6	Total	152		159	100.00%	Sum Lines 3; 4; 5
7						
8	Non-Coincident Demand Determinants Pertaining to Customers on Schedules @ 90% NCD Rate with Maximum On-Peak Period Demand					
9						
10	Secondary	20,009	1.0457	20,924	83.35%	Section 3.2.1; Page 19.2; Line 69
11	Primary	3,909	1.0108	3,951	15.74%	Section 3.2.1; Page 19.2; Line 70
12	Transmission	229	1.0000	229	0.91%	Section 3.2.1; Page 19.2; Line 71
13	Total	24,147		25,103	100.00%	Sum Lines 10; 11; 12
14						
15	Non-Coincident Demand Determinants Pertaining to Customers on Schedules @ 90% NCD Rate with Maximum Demand at the Time of System Peak					
16						
17	Secondary	-	1.0457	-	0.00%	Section 3.2.1; Page 19.3; Line 105
18	Primary	202	1.0108	204	15.02%	Section 3.2.1; Page 19.3; Line 106
19	Transmission	1,153	1.0000	1,153	84.98%	Section 3.2.1; Page 19.3; Line 107
20	Total	1,354		1,356	100.00%	Sum Lines 17; 18; 19
21						
22	Total Non-Coincident Demand Determinants Pertaining to Medium-Large Commercial Customers					
23	Secondary	20,159	1.0457	21,081	79.20%	Sum Lines 3; 10; 17
24	Primary	4,112	1.0108	4,157	15.62%	Sum Lines 4; 11; 18
25	Transmission	1,381	1.0000	1,381	5.19%	Sum Lines 5; 12; 19
26	Total	25,653		26,619	100.00%	Sum Lines 23; 24; 25
27						
28	Maximum On-Peak Period Demand Determinants					
29	Summer (May, June, July, August, September, October)					
30	Secondary	9,593	1.0457	10,032	81.01%	Section 3.2.1; Page 19.2; Line 79
31	Primary	2,115	1.0108	2,138	17.26%	Section 3.2.1; Page 19.2; Line 80
32	Transmission	214	1.0000	214	1.73%	Section 3.2.1; Page 19.2; Line 81
33	Total	11,922		12,383	100.00%	Sum Lines 30; 31; 32
34	Winter (November, December, January, February, March, April)					
35	Secondary	7,891	1.0457	8,252	80.70%	Section 3.2.1; Page 19.2; Line 79
36	Primary	1,768	1.0108	1,787	17.47%	Section 3.2.1; Page 19.2; Line 80
37	Transmission	187	1.0000	187	1.83%	Section 3.2.1; Page 19.2; Line 81
38	Total	9,846		10,225	100.00%	Sum Lines 35; 36; 37
39						
40	Maximum Demand at the Time of System Peak Determinants					
41	Summer (May, June, July, August, September, October)					
42	Secondary	-	1.0457	-	0.00%	Section 3.2.1; Page 19.3; Line 115
43	Primary	84	1.0108	85	15.41%	Section 3.2.1; Page 19.3; Line 116
44	Transmission	468	1.0000	468	84.59%	Section 3.2.1; Page 19.3; Line 117
45	Total	552		553	100.00%	Sum Lines 42; 43; 44
46	Winter (November, December, January, February, March, April)					
47	Secondary	-	1.0457	-	0.00%	Section 3.2.1; Page 19.3; Line 115
48	Primary	69	1.0108	69	13.61%	Section 3.2.1; Page 19.3; Line 116
49	Transmission	440	1.0000	440	86.39%	Section 3.2.1; Page 19.3; Line 117
50	Total	508		509	100.00%	Sum Lines 47; 48; 49
51						
52	Forecast Demand Determinants for Agricultural Customers:					
53	Non-Coincident Demand Determinants Pertaining to Customers on Schedule PA-T-1 @ 100% Non-Coincident Demand Rate					
54						
55	Secondary	836	1.0457	874	84.82%	Section 3.2.1; Page 19.4; Line 157
56	Primary	155	1.0108	157	15.18%	Section 3.2.1; Page 19.4; Line 158
57	Transmission	-	1.0000	-	0.00%	Section 3.2.1; Page 19.4; Line 159
58	Total	991		1,031	100.00%	Sum Lines 55; 56; 57
59						
60	Forecast Demand Determinants for Standby Customers:					
61	Contracted Demand Determinants					
62	Secondary	115	1.0457	120	5.78%	Section 3.2.1; Page 19.4; Line 167
63	Primary	1,234	1.0108	1,247	60.21%	Section 3.2.1; Page 19.4; Line 168
64	Transmission	705	1.0000	705	34.01%	Section 3.2.1; Page 19.4; Line 169
65	Total	2,053		2,072	100.00%	Sum Lines 62; 63; 64

Section 3.2.1
San Diego Gas & Electric
FERC Forecast Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016

Line No.	FERC Forecast Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016												Total
	TO4-C3 Jan-16	TO4-C3 Feb-16	TO4-C3 Mar-16	TO4-C3 Apr-16	TO4-C3 May-16	TO4-C3 Jun-16	TO4-C3 Jul-16	TO4-C3 Aug-16	TO4-C3 Sep-16	TO4-C3 Oct-16	TO4-C3 Nov-16	TO4-C3 Dec-16	
1	SDG&E System Delivery Determinants												
2	Customer Class Deliveries (MWh)												
3	727,420	636,792	609,933	538,437	552,577	580,784	666,573	682,833	738,416	633,833	595,422	678,356	7,681,377
4	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570
5	760,663	665,894	637,807	583,958	577,830	607,326	697,036	714,039	793,075	662,799	622,633	709,357	8,032,416
6	Small Commercial												
7	160,332	153,698	151,746	147,213	150,465	157,808	172,588	171,202	184,873	164,655	154,757	156,347	1,925,682
8	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570
9	167,659	160,722	158,681	153,941	157,342	165,019	180,475	179,025	193,322	172,180	161,829	163,492	2,013,686
10	Med. & Large Comm./Ind. (AD)												
11	2,950	2,922	2,944	2,825	2,916	3,034	3,173	3,208	3,517	3,117	2,884	2,791	36,281
12	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560
13	3,055	3,036	3,049	2,926	3,020	3,142	3,286	3,322	3,642	3,228	2,987	2,890	37,573
14	Med. & Large Comm./Ind. (AY + AL + DGR)												
15	739,542	723,493	716,290	714,398	738,747	773,852	830,532	815,255	878,846	794,380	758,472	733,309	9,217,117
16	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560
17	765,867	749,246	741,787	739,828	765,043	801,398	860,096	844,274	910,129	822,656	785,470	759,412	9,545,207
18	Med. & Large Comm./Ind. (A6)												
19	64,472	55,627	51,771	58,484	62,765	58,954	66,003	62,864	69,024	61,179	68,307	65,975	745,424
20	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560	1,03560
21	66,767	57,607	53,613	60,566	64,999	61,052	68,353	65,102	71,481	63,356	70,739	68,324	771,958
22	Agriculture (PA + TOU-PA)												
23	4,580	4,635	4,677	5,633	6,827	8,291	9,298	9,161	9,770	8,158	6,725	5,407	83,162
24	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290
25	4,777	4,834	4,878	5,875	7,119	8,646	9,697	9,554	10,190	8,508	7,013	5,639	86,730
26	Agriculture (PA-T-1)												
27	14,423	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349
28	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290	1,04290
29	15,042	14,954	14,925	16,999	20,537	23,764	26,303	25,276	26,547	22,799	19,609	16,605	243,360
30	Lighting												
31	7,898	7,502	7,495	7,315	7,356	7,633	7,736	7,360	7,738	7,429	7,543	7,827	90,832
32	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570	1,04570
33	8,259	7,844	7,837	7,650	7,692	7,981	8,090	7,696	8,092	7,769	7,888	8,184	94,983
34	Sale for Resale												
35	3.2	3.1	3.1	3.0	3.0	3.1	3.2	3.0	3.2	3.0	3.1	3.2	37.3
36	1,721,617	1,599,007	1,559,167	1,510,606	1,541,345	1,613,141	1,781,124	1,776,119	1,937,640	1,694,611	1,612,914	1,665,933	20,013,226
37	1,793,088	1,664,127	1,622,578	1,571,742	1,603,582	1,678,329	1,853,334	1,848,289	2,016,478	1,763,295	1,678,170	1,733,902	20,825,914
38	Med. & Large Comm./Ind.												
39	Rate Schedule Billing Determinants												
40	Schedule AD-Applicable to 100% NCD												
41	2,950	2,922	2,944	2,825	2,916	3,034	3,173	3,208	3,517	3,117	2,884	2,791	36,281
42	Total Deliveries (MWh)												
43	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%
44	Total Deliveries (%)												
45	% @ Secondary Service	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%
46	% @ Primary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
47	% @ Transmission Service	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
48	Total Deliveries (MWh)												
49	2,876	2,848	2,870	2,755	2,843	2,958	3,093	3,128	3,428	3,039	2,812	2,721	35,370
50	MWh @ Secondary Service	74	73	71	73	76	80	81	88	78	72	70	911
51	MWh @ Primary Service	0	0	0	0	0	0	0	0	0	0	0	0
52	MWh @ Transmission Service	2,950	2,922	2,944	2,825	2,916	3,034	3,173	3,208	3,517	2,884	2,791	36,281
53	Non-Coincident Demand (%)												
54	% @ Secondary Service	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%
55	% @ Primary Service	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%
56	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
57	Total Deliveries (MWh)												
58	2,950	2,922	2,944	2,825	2,916	3,034	3,173	3,208	3,517	3,117	2,884	2,791	36,281

Section 3.2.1 San Diego Gas & Electric FERC Forecast Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016													
Line No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
119	31,502	30,818	30,511	30,431	32,658	34,210	36,715	36,040	38,851	35,117	32,308	31,236	400,397
120	1,660,318	1,624,286	1,608,116	1,603,868	1,822,833	1,909,454	2,049,311	2,011,614	2,168,524	1,900,105	1,702,816	1,646,325	21,767,569
121	1,724,353	1,686,931	1,670,137	1,665,725	1,893,359	1,983,331	2,128,599	2,089,443	2,252,424	2,035,942	1,768,490	1,709,819	22,608,553
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San Diego Gas & Electric														
FERC Forecast Period: January 2016 - December 2016														
Line No.		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
1	System Delivery													
2	Determinants													
3														
4	Customer Class													
5	Deliveries (MWh)													
6	Residential	727,420	636,792	609,933	558,437	552,577	580,784	666,573	682,833	758,416	633,833	595,422	678,356	7,681,377
7	Small Commercial	160,332	153,698	151,746	147,213	150,465	157,808	172,588	171,202	184,873	164,655	154,757	156,347	1,925,682
8	M. & L. C./I. (AD)	2,950	2,922	2,944	2,825	2,916	3,034	3,173	3,208	3,517	3,117	2,884	2,791	36,281
9	M. & L. C./I. (AY, AL, DG-R)	739,542	723,493	716,290	714,398	738,747	773,852	830,532	815,255	878,846	794,380	758,472	733,309	9,217,117
10	M. & L. C./I. (A6)	64,472	55,627	51,771	58,484	62,765	58,954	66,003	62,864	69,024	61,179	68,307	65,975	745,424
11	Agriculture (PA and TOU-PA)	4,580	4,635	4,677	5,633	6,827	8,291	9,298	9,161	9,770	8,158	6,725	5,407	83,162
12	Agriculture (PA-T-1)	14,423	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349
13	Lighting	7,898	7,502	7,495	7,315	7,356	7,633	7,736	7,360	7,738	7,429	7,543	7,827	90,832
14	Sale for Resale	3.2	3.1	3.1	3.0	3.0	3.1	3.2	3.0	3.2	3.0	3.1	3.2	37.3
15	Total System	1,721,620	1,599,010	1,559,171	1,510,609	1,541,348	1,613,144	1,781,128	1,776,122	1,937,643	1,694,614	1,612,917	1,665,936	20,013,263
16														
17														
18														
19	Med. & Large Comm./Ind. Rate Schedule													
20														
21	Billing Determinants													
22														
23	Schedule AD:													
24	Total Deliveries (MWh)	2,950	2,922	2,944	2,825	2,916	3,034	3,173	3,208	3,517	3,117	2,884	2,791	36,281
25														
26	Total Deliveries (%)													
27	% @ Secondary Service	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%
28	% @ Primary Service	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%
29	% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
30	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
31	Total Deliveries (MWh)	2,876	2,848	2,870	2,755	2,843	2,958	3,093	3,128	3,428	3,039	2,812	2,721	35,370
32	MWh @ Secondary Service	74	73	74	71	73	76	80	81	88	78	72	70	911
33	MWh @ Primary Service	0	0	0	0	0	0	0	0	0	0	0	0	0
34	MWh @ Transmission Service	2,950	2,922	2,944	2,825	2,916	3,034	3,173	3,208	3,517	3,117	2,884	2,791	36,281
35	Non-Coincident Demand (%)													
36	% @ Secondary Service	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%
37	% @ Primary Service	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%
38	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
39														
40														
41	Non-Coincident Demand (MW)													
42	MW @ Secondary Service	12.207	12.092	12.185	11.693	12.067	12.556	13.131	13.277	14.553	12.899	11.937	11.551	150.147
43	MW @ Primary Service	0.156	0.154	0.155	0.149	0.154	0.160	0.167	0.169	0.186	0.164	0.152	0.147	1.914
44	MW @ Transmission Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45		12.362	12.246	12.341	11.842	12.221	12.716	13.298	13.447	14.739	13.063	12.089	11.698	152.062
46														

San Diego Gas & Electric														
FERC Forecast Period: January 2016 - December 2016														
Line No.		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
47														
48														
49	Schedules													
50	AL-TOU / AX-TOU / DG-R:													
51	Total Deliveries (MWh)	739,542	723,493	716,290	714,398	738,747	773,852	830,532	815,255	878,846	794,380	758,472	733,309	9,217,117
52														
53	Total Deliveries (%)													
54	% @ Secondary Service	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%
55	% @ Primary Service	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%
56	% @ Transmission Service	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%
57		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
58	Total Deliveries (MWh)													
59	MWh @ Secondary Service	585,718	573,006	567,302	565,803	585,088	612,891	657,782	645,682	696,046	629,149	600,710	580,781	7,299,957
60	MWh @ Primary Service	144,063	140,936	139,533	139,165	143,908	150,746	161,788	158,812	171,199	154,745	147,750	142,849	1,795,494
61	MWh @ Transmission Service	9,762	9,550	9,455	9,430	9,751	10,215	10,963	10,761	11,601	10,486	10,012	9,680	121,666
62		739,542	723,493	716,290	714,398	738,747	773,852	830,532	815,255	878,846	794,380	758,472	733,309	9,217,117
63	Non-Coincident Demand (%)													
64	% @ Secondary Service	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%
65	% @ Primary Service	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%
66	% @ Transmission Service	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%
67														
68	Non-Coincident Demand (MW)													
69	MW @ Secondary Service	1,605,452	1,570,610	1,554,975	1,550,867	1,603,725	1,679,934	1,802,980	1,769,814	1,907,863	1,724,497	1,646,545	1,591,921	20,009,181
70	MW @ Primary Service	313,625	306,819	303,764	302,962	313,287	328,175	352,212	345,733	372,701	336,880	321,652	310,982	3,908,791
71	MW @ Transmission Service	18,362	17,964	17,785	17,738	18,342	19,214	20,621	20,242	21,821	19,724	18,832	18,207	228,854
72		1,937,439	1,895,392	1,876,524	1,871,566	1,935,355	2,027,323	2,175,813	2,135,789	2,302,384	2,081,101	1,987,030	1,921,110	24,146,826
73	On-Peak Demand (%)													
74	% @ Secondary Service	0.2272%	0.2272%	0.2272%	0.2272%	0.2507%	0.2507%	0.2507%	0.2507%	0.2507%	0.2507%	0.2272%	0.2272%	0.2395%
75	% @ Primary Service	0.2069%	0.2069%	0.2069%	0.2069%	0.2247%	0.2247%	0.2247%	0.2247%	0.2247%	0.2247%	0.2069%	0.2069%	0.2162%
76	% @ Transmission Service	0.3227%	0.3227%	0.3227%	0.3227%	0.3349%	0.3349%	0.3349%	0.3349%	0.3349%	0.3349%	0.3227%	0.3227%	0.3291%
77														
78	On-Peak Demand (MW)													
79	MW @ Secondary Service	1,330,750	1,301,870	1,288,910	1,285,505	1,466,814	1,536,518	1,649,059	1,618,724	1,744,988	1,577,276	1,364,813	1,319,534	17,484,761
80	MW @ Primary Service	298,066	291,597	288,695	287,932	323,361	338,727	363,537	356,850	384,685	347,712	305,695	295,554	3,882,411
81	MW @ Transmission Service	31,502	30,818	30,511	30,431	32,658	34,210	36,715	36,040	38,851	35,117	32,308	31,236	400,397
82		1,660,318	1,624,286	1,608,116	1,603,868	1,822,833	1,909,454	2,049,311	2,011,614	2,168,524	1,960,105	1,702,816	1,646,325	21,767,569
83														
84														
85														

San Diego Gas & Electric													Line	
FERC Forecast Period: January 2016 - December 2016													No.	
Line No.	Schedule A6-TOU:	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
86	Total Deliveries (MWh)	64,472	55,627	51,771	58,484	62,765	58,954	66,003	62,864	69,024	61,179	68,307	65,975	745,424
87	Total Deliveries (%)													
88														
89	% @ Secondary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
90	% @ Primary Service	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%
91	% @ Transmission Service	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%
92														
93	Total Deliveries (MWh)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
94	MWh @ Secondary Service	0	0	0	0	0	0	0	0	0	0	0	0	0
95	MWh @ Primary Service	9,000	7,766	7,227	8,164	8,762	8,230	9,214	8,776	9,636	8,541	9,536	9,210	104,061
96	MWh @ Transmission Service	55,472	47,861	44,543	50,320	54,003	50,724	56,789	54,088	59,388	52,638	58,772	56,765	641,363
97		64,472	55,627	51,771	58,484	62,765	58,954	66,003	62,864	69,024	61,179	68,307	65,975	745,424
98														
99	Non-Coincident Demand (%)													
100	% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
101	% @ Primary Service	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%
102	% @ Transmission Service	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%
103														
104	Non-Coincident Demand (MW)													
105	MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106	MW @ Primary Service	17,434	15,042	13,999	15,814	16,972	15,941	17,848	16,999	18,664	16,543	18,471	17,840	201,567
107	MW @ Transmission Service	99,682	86,007	80,044	90,424	97,043	91,150	102,050	97,197	106,720	94,591	105,613	102,007	1,152,529
108		117,116	101,049	94,043	106,239	114,015	107,092	119,898	114,196	125,385	111,134	124,083	119,847	1,354,095
109														
110	Coincident Peak Demand (%)													
111	% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
112	% @ Primary Service	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%
113	% @ Transmission Service	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%
114	Coincident Peak Demand (MW)													
115	MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116	MW @ Primary Service	12,114	10,452	9,728	10,989	13,896	13,053	14,613	13,919	15,282	13,545	12,835	12,397	152,824
117	MW @ Transmission Service	77,716	67,054	62,405	70,498	77,116	72,433	81,095	77,238	84,806	75,167	82,339	79,528	907,395
118		89,830	77,506	72,133	81,487	91,013	85,486	95,708	91,157	100,088	88,712	95,174	91,925	1,060,220
119														
120														
121														
122	Med. & Large Comm./Ind. Class Total:													
123	Total Deliveries (MWh)	806,964	782,042	771,005	775,708	804,428	835,840	899,709	881,327	951,387	858,675	829,663	802,076	9,998,822
124														
125														
126	Total Deliveries (MWh)	588,593	575,855	570,172	568,558	587,930	615,849	660,875	648,810	699,475	632,187	603,522	583,502	7,335,327
127	MWh @ Secondary Service	153,137	148,775	146,834	147,400	152,743	159,052	171,081	167,668	180,923	163,364	157,358	152,129	1,900,466
128	MWh @ Primary Service	65,233	57,412	53,998	59,750	63,754	60,939	67,752	64,850	70,989	63,124	68,783	66,445	763,029
129	MWh @ Transmission Service	806,964	782,042	771,005	775,708	804,428	835,840	899,709	881,327	951,387	858,675	829,663	802,076	9,998,822
130														

San Diego Gas & Electric														
FERC Forecast Period: January 2016 - December 2016														
Line No.		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
131	Non-Coincident Demand (MW)													
132	MW @ Secondary Service	1,617.658	1,582.702	1,567.702	1,562.160	1,615.792	1,692.490	1,816.111	1,783.091	1,922.416	1,737.395	1,658.482	1,603.472	20,159,329
133	MW @ Primary Service	331.214	322.015	317.918	318.925	330.413	344.276	370.227	362.901	391.551	353.588	340.275	328.969	4,112,272
134	MW @ Transmission Service	118.045	103.971	97.829	108.162	115.386	110.365	122.671	117.439	128.541	114.314	124.445	120.214	1,381,383
135		2,066.917	2,008.687	1,982.908	1,989.647	2,061.591	2,147.131	2,309.009	2,263.431	2,442.508	2,205.297	2,123.202	2,052.655	25,652,983
136														
137														
138	Schedule PA-T-I:													
139	Total Deliveries (MWh)	14,423	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349
140														
141	Total Deliveries (%)													
142	% @ Secondary Service	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%
143	% @ Primary Service	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%
144	% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
145	Total Deliveries (MWh)	14,423	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349
146	MWh @ Secondary Service	12,606	12,532	12,508	14,246	17,211	19,915	22,043	21,182	22,248	19,107	16,434	13,916	203,947
147	MWh @ Primary Service	1,817	1,807	1,803	2,054	2,481	2,871	3,178	3,054	3,207	2,755	2,369	2,006	29,402
148	MWh @ Transmission Service	0	0	0	0	0	0	0	0	0	0	0	0	0
149		14,423	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349
150														
151	Non-Coincident Demand (%)													
152	% @ Secondary Service	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%
153	% @ Primary Service	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%
154	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
155														
156	Non-Coincident Demand (MW)													
157	MW @ Secondary Service	51.672	51.369	51.269	58.394	70.548	81.633	90.353	86.827	91.195	78.318	67.362	57.040	835,980
158	MW @ Primary Service	9.570	9.514	9.496	10.815	13.066	15.119	16.734	16.081	16.890	14.505	12.476	10.564	154,831
159	MW @ Transmission Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160		61.242	60.883	60.765	69.209	83.614	96.752	107.087	102.908	108.085	92.824	79.838	67.604	990,811
161														
162														
163														
164	Schedule S													
165	Standby Determinants:													
166	Standby Demand (MW)													
167	MW @ Secondary Service	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	114,504
168	MW @ Primary Service	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	1,234,092
169	MW @ Transmission Service	58.726	58.726	58.726	58.726	58.726	58.726	58.726	58.726	58.726	58.726	58.726	58.726	704,712
170		171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	2,053,308
171														
172														

San Diego Gas & Electric Company

Section 3.2.2

Proof of Revenues that the Wholesale
Transmission Rates Derived in Section
3.2.1 will Generate the Total Wholesale
BTRR from Section 3.2.1

Docket No. ER18-____ - ____

Section 3.2.2														
SAN DIEGO GAS AND ELECTRIC COMPANY														
TO4 Cycle 5 Annual Transmission Formulaic Rate Filing														
PROOF OF REVENUES from the WHOLESale True-Up Transmission Rates Developed from the TO4-Cycle 3 Filing														
For the Rate Effective Period January 2016 - December 2016														
12-Month True-Up Period (01/01/2016 - 12/31/2016)														
Line No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
1	Residential Customers	\$ 31,457,882	\$ 27,538,612	\$ 26,377,083	\$ 24,150,084	\$ 23,896,676	\$ 25,116,504	\$ 28,826,515	\$ 32,798,332	\$ 27,410,644	\$ 25,749,536	\$ 29,336,061	\$ 332,187,615	Section 3.2.2, Pages 2 & 3; Line 29
2														
3	Small Commercial	7,170,867	6,874,177	6,786,867	6,584,149	6,729,606	7,057,980	7,657,032	8,268,488	7,364,238	6,971,546	6,992,646	86,126,622	Section 3.2.2, Pages 2 & 3; Line 31
4														
5	Med-Lrg C&I @ 100% NCD	172,214	170,591	171,914	164,968	170,248	177,149	185,256	187,320	181,980	168,405	162,965	2,118,332	Section 3.2.2, Page 4; Line 18
6	Med-Lrg C&I @ 90% NCD	25,566,868	24,849,520	24,530,061	24,614,759	25,503,626	26,567,290	28,572,808	28,005,204	30,217,073	27,286,455	25,396,052	317,378,689	Section 3.2.2, Page 5; Line 30
7	Max On Peak Demand	1,128,384	1,103,896	1,092,906	1,090,019	4,286,860	4,600,848	4,516,215	4,868,489	4,400,575	1,157,266	1,118,874	33,456,722	Section 3.2.2, Page 6; Line 18
8	Max Dem-Time of System Peak	63,920	55,151	51,327	57,983	238,352	223,879	250,650	238,730	232,529	67,723	65,411	1,807,577	Section 3.2.2, Page 7; Line 18
9	Total Med-Lrg C&I	26,931,386	26,179,157	25,846,208	25,927,730	30,004,617	31,255,178	33,609,563	32,947,469	32,101,339	27,662,367	26,743,301	354,761,320	Sum Lines 5, 6, 7, 8
10														
11	Schedules PA and TOL-PA	103,755	104,995	105,957	127,609	154,641	187,811	210,636	207,520	184,798	152,341	122,481	1,883,872	Section 3.2.2, Page 2 & 3; Line 35
12	Schedule PA-T-1 - Non-Coincident (100%)	326,731	324,818	324,186	369,239	446,089	516,182	571,321	549,024	495,222	425,940	360,673	5,286,065	Section 3.2.2, Page 8; Line 12
13	Total Agricultural	430,486	429,813	430,143	496,847	600,730	703,993	781,957	756,544	680,020	578,281	483,154	7,169,937	Sum Lines 11 & 12
14														
15	Street Lighting	254,508	241,719	241,499	235,717	237,028	245,939	249,279	237,158	239,386	243,068	252,198	2,926,853	Section 3.2.2, Pages 2 & 3; Line 39
16														
17	Standby Revenues	1,027,000	1,027,000	1,027,000	1,027,000	1,027,000	1,027,000	1,027,000	1,027,000	1,027,000	1,027,000	1,027,000	12,324,000	Section 3.2.2, Page 9; Line 18
18														
19	TOTAL Recorded	\$ 67,272,129	\$ 62,290,479	\$ 60,708,799	\$ 58,421,527	\$ 62,495,657	\$ 65,406,594	\$ 72,213,340	\$ 78,694,146	\$ 68,822,626	\$ 62,181,799	\$ 64,834,360	\$ 795,496,347	Sum Lines 1, 3, 9, 13, 15, 17
20														
Notes:														
For the Wholesale True-Up Revenues by customer class from January 2016 - December 2016, the True-Up Transmission Rates were based on the FERC approved CAISO-Wholesale Base FRR from the TO4-Cycle 3 Filing in FERC Docket ER16-445-000. The derived True-Up Transmission Rates at the Transmission Level were then applied to the forecast sales at transmission level for the rate effective period to prove out the accuracy of the derived transmission rates. The Wholesale BTRR was \$795.496 million.														

Section 3.2.2
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
PROOF OF REVENUES from the WHOLESale True-Up Transmission Rates Developed from the TO4-Cycle 3 Filing
For the Rate Effective Period January 2016 - December 2016
12-Month True-Up Period (1/1/2016 - 12/31/2016)

Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(F) Sub-Total		
		Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Energy (kWh)
1	Residential Customers	760,662,936	-	665,893,567	-	637,807,372	-	583,957,730	-	577,830,235	-	607,326,115	-	3,833,477,956	-	
2	Small Commercial	167,658,671	-	160,721,921	-	158,680,551	-	153,940,891	-	157,341,769	-	165,019,326	-	963,363,128	-	
3	Medium-Large Commercial	835,688,251	2,144,421	809,878,913	2,084,494	798,449,753	2,057,960	803,319,404	2,064,501	833,061,804	2,139,001	865,592,162	2,228,196	4,945,990,286	12,718,574	
4	Agricultural (PA and TOU-PA)	4,776,669	-	4,833,752	-	4,878,048	-	5,874,870	-	7,119,372	-	8,646,453	-	36,129,163	-	
5	Agricultural (PA-T-1)	15,042,068	63,707	14,954,006	63,334	14,924,914	63,210	16,999,036	71,995	20,537,074	86,979	23,764,030	100,646	106,221,130	449,871	
6	Street Lighting	8,259,389	-	7,844,383	-	7,837,214	-	7,649,598	-	7,692,145	-	7,981,314	-	47,264,042	-	
7	Standby Customers	-	172,656	-	172,656	-	172,656	-	172,656	-	172,656	-	172,656	-	1,035,935	-
8	TOTAL	1,792,087,984	2,380,784	1,664,126,542	2,320,484	1,622,577,853	2,293,827	1,571,741,529	2,309,151	1,605,582,399	2,398,636	1,678,329,399	2,501,498	9,932,445,707	14,204,380	

Note: The above billing determinants are the forecast determinants from January 2016 through December 2016. The forecasted consumption is translated from retail to transmission level.

Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(F) Sub-Total	
		Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)
16	Residential Customers	\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761	
17	Small Commercial	\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278	
18	Medium-Large Commercial	\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446	
19	Agricultural (PA and TOU-PA)	\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390	
20	Agricultural (PA-T-1)														
21	Street Lighting														
22	Standby Customers														
23	TOTAL														

Note: The wholesale true-up transmission rates from January 2016 - December 2016 were derived based on the FERC approved Wholesale Base Transmission Revenue Requirements of \$795.496 million from the TO4-Cycle 3 Docket No. ER16-445-000.

Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(F) Sub-Total		
		Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Energy (kWh)
29	Residential Customers	\$ 31,457,882	\$ -	\$ 27,538,612	\$ -	\$ 26,377,083	\$ -	\$ 24,150,084	\$ -	\$ 23,896,676	\$ -	\$ 25,116,504	\$ -	\$ 158,536,839	\$ -	
30	Small Commercial	\$ 7,170,867	\$ -	\$ 6,874,177	\$ -	\$ 6,786,867	\$ -	\$ 6,584,149	\$ -	\$ 6,729,606	\$ -	\$ 7,057,980	\$ -	\$ 41,203,646	\$ -	
31	Medium-Large Commercial	\$ -	\$ 26,931,386	\$ -	\$ 26,179,157	\$ -	\$ 25,846,208	\$ -	\$ 25,927,730	\$ -	\$ 30,004,617	\$ -	\$ 31,255,178	\$ -	\$ 166,144,277	\$ -
32	Agricultural (PA and TOU-PA)	\$ 103,755	\$ -	\$ 104,995	\$ -	\$ 105,957	\$ -	\$ 127,609	\$ -	\$ 154,641	\$ -	\$ 187,811	\$ -	\$ 784,767	\$ -	
33	Agricultural (PA-T-1)	\$ -	\$ 326,731	\$ -	\$ 324,818	\$ -	\$ 324,186	\$ -	\$ 369,239	\$ -	\$ 446,089	\$ -	\$ 516,182	\$ -	\$ 2,307,245	\$ -
34	Street Lighting	\$ 254,508	\$ -	\$ 241,719	\$ -	\$ 241,499	\$ -	\$ 235,717	\$ -	\$ 237,028	\$ -	\$ 245,939	\$ -	\$ 1,456,410	\$ -	
35	Standby Customers	\$ -	\$ 1,027,000	\$ -	\$ 1,027,000	\$ -	\$ 1,027,000	\$ -	\$ 1,027,000	\$ -	\$ 1,027,000	\$ -	\$ 1,027,000	\$ -	\$ 6,162,000	\$ -
36	TOTAL	\$ 38,987,011	\$ 28,285,117	\$ 34,759,503	\$ 27,530,976	\$ 33,511,405	\$ 27,197,394	\$ 31,097,558	\$ 27,323,968	\$ 31,017,951	\$ 31,477,705	\$ 32,608,233	\$ 32,798,360	\$ 201,981,662	\$ 174,613,521	
37	Grand Total	\$ 67,272,129		\$ 62,290,479		\$ 60,708,799		\$ 58,421,527		\$ 62,495,657		\$ 65,406,394		\$ 376,595,183		

Note: The above revenues were derived by multiplying the above rates and billing determinants except Medium & Large C-I, Agricultural PA-T-1, and Standby Customers where these revenues are derived on pages 4-9.

Section 3.2.2
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
PROOF OF REVENUES from the WHOLESale True-Up Transmission Rates Developed from the TO4-Cycle 3 Filing
For the Rate Effective Period January 2016 - December 2016
12-Month True-Up Period (1/1/2016 - 12/31/2016)

Line No.	Customer Classes	(H) Jul-16		(I) Aug-16		(J) Sep-16		(K) Oct-16		(L) Nov-16		(M) Dec-16		(N) Sub-Total		(O) Grand-Total			
		Billing Energy (kWh)	Determinants Demand (kW)	Billing Energy (kWh)	Determinants Demand (kW)	Billing Energy (kWh)	Determinants Demand (kW)	Billing Energy (kWh)	Determinants Demand (kW)	Billing Energy (kWh)	Determinants Demand (kW)	Billing Energy (kWh)	Determinants Demand (kW)	Billing Energy (kWh)	Determinants Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)
1	Residential Customers	697,035,527	-	714,038,514	-	793,075,492	-	662,799,258	-	622,633,067	-	709,356,524	-	4,198,938,382	-	8,032,416,338	-	1	-
2	Small Commercial	180,474,947	-	179,025,469	-	193,321,644	-	172,179,789	-	161,829,431	-	163,491,777	-	1,050,323,057	-	2,013,686,185	-	2	-
3	Medium-Large Commercial	931,734,338	2,396,004	912,698,837	2,348,838	985,251,850	2,534,591	889,240,281	2,288,515	859,195,952	2,202,670	830,626,171	2,129,486	5,408,747,429	13,900,103	10,354,737,715	26,618,677	3	-
4	Agricultural (PA and TOL-PA)	9,697,289	-	9,553,837	-	10,189,507	-	8,507,756	-	7,013,495	-	5,638,814	-	50,600,698	-	86,729,862	-	4	-
5	Agricultural (PA-T-1)	26,302,531	111,397	25,276,002	107,050	26,547,435	112,435	22,799,076	96,559	19,609,478	83,051	16,604,693	70,325	137,139,214	580,816	243,360,344	1,030,688	5	-
6	Street Lighting	8,089,707	-	7,696,365	-	8,092,119	-	7,768,656	-	7,888,159	-	8,184,424	-	47,719,430	-	94,983,473	-	6	-
7	Standby Customers	-	-	172,656	-	-	-	-	-	172,656	-	-	-	1,035,935	-	2,071,869	-	7	-
8	TOTAL	1,853,334,338	2,680,057	1,848,289,024	2,628,543	2,016,478,048	2,819,681	1,763,294,815	2,557,730	1,678,169,582	2,458,376	1,733,902,403	2,372,467	10,893,468,210	15,516,854	20,825,913,917	29,721,234	8	-

Note: The above billing determinants are the forecast determinants from January 2016 through December 2016. The forecasted consumption is translated from retail to transmission level.

Line No.	Customer Classes	(H) Jul-16		(I) Aug-16		(J) Sep-16		(K) Oct-16		(L) Nov-16		(M) Dec-16		(N) Sub-Total		(O) Grand-Total			
		Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)		
16	Residential Customers	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	16	-
17	Small Commercial	\$ 0.0427706278	-	\$ 0.0427706278	-	\$ 0.0427706278	-	\$ 0.0427706278	-	\$ 0.0427706278	-	\$ 0.0427706278	-	\$ 0.0427706278	-	\$ 0.0427706278	-	17	-
18	Medium-Large Commercial	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	18	-
19	Agricultural (PA and TOL-PA)	\$ 0.0308143390	-	\$ 0.0308143390	-	\$ 0.0308143390	-	\$ 0.0308143390	-	\$ 0.0308143390	-	\$ 0.0308143390	-	\$ 0.0308143390	-	\$ 0.0308143390	-	19	-
20	Agricultural (PA-T-1)	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	\$ 0.0217211446	-	20	-
21	Street Lighting	\$ 0.0508143390	-	\$ 0.0508143390	-	\$ 0.0508143390	-	\$ 0.0508143390	-	\$ 0.0508143390	-	\$ 0.0508143390	-	\$ 0.0508143390	-	\$ 0.0508143390	-	21	-
22	Standby Customers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
23	TOTAL	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	\$ 0.0413558761	-	23	-

Note: The wholesale true-up transmission rates from January 2016 - December 2016 were derived from the Wholesale Base Transmission Revenue Requirements of \$795,496 million from the TO4-Cycle 3 Docket No. ER16-445-000.

Line No.	Customer Classes	(H) Jul-16		(I) Aug-16		(J) Sep-16		(K) Oct-16		(L) Nov-16		(M) Dec-16		(N) Sub-Total		(O) Grand-Total			
		Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)	Revenues Energy (kWh)	Present Rates Demand (kW)		
29	Residential Customers	\$ 28,826,515	-	\$ 29,529,688	-	\$ 32,798,332	-	\$ 27,410,644	-	\$ 25,749,536	-	\$ 29,336,061	-	\$ 173,650,775	-	\$ 332,187,615	-	29	-
30	Small Commercial	\$ 7,719,027	-	\$ 7,657,032	-	\$ 8,268,488	-	\$ 7,364,238	-	\$ 6,921,546	-	\$ 6,992,646	-	\$ 44,922,977	-	\$ 86,126,622	-	30	-
31	Medium-Large Commercial	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	31	-
32	Agricultural (PA and TOL-PA)	\$ 210,636	-	\$ 207,520	-	\$ 221,328	-	\$ 184,798	-	\$ 152,341	-	\$ 122,481	-	\$ 1,099,105	-	\$ 1,883,872	-	32	-
33	Agricultural (PA-T-1)	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	33	-
34	Street Lighting	\$ 249,279	-	\$ 237,158	-	\$ 249,353	-	\$ 239,386	-	\$ 243,068	-	\$ 252,198	-	\$ 1,470,443	-	\$ 2,926,853	-	34	-
35	Standby Customers	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	35	-
36	TOTAL	\$ 37,005,457	\$ 35,207,884	\$ 37,631,399	\$ 34,523,493	\$ 41,537,501	\$ 37,156,645	\$ 35,199,066	\$ 33,623,561	\$ 33,066,492	\$ 29,115,308	\$ 36,703,386	\$ 28,130,974	\$ 221,143,300	\$ 197,757,864	\$ 423,124,962	\$ 372,371,385	36	-
43	Grand Total	\$ 72,213,340	-	\$ 72,154,892	-	\$ 78,694,146	-	\$ 72,154,892	-	\$ 68,822,626	-	\$ 62,181,799	-	\$ 418,901,164	-	\$ 795,496,347	-	43	-

Note: The above revenues were derived by multiplying the above rates and billing determinants except Medium & Large C-1, Agricultural PA-T-1, and Standby Customers where these revenues are derived on pages 4-9.

Section 3.2.2 SAN DIEGO GAS AND ELECTRIC COMPANY TO4-Cycle 5 Annual Transmission Formulaic Rate Filing PROOF OF REVENUES from the WHOLESALF True-Up Transmission Rates Developed from the TO4-Cycle 3 Filing For the Rate Effective Period January 2016 - December 2016 12-Month True-Up Period (1/1/2016 - 12/31/2016) Medium & Large Commercial and Industrial Customer															
Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
1	<u>Non-Coincident Demand (KW): Applied to 90%:</u>														
2	Schedules AL-TOU / AY-TOU / DG-R	1,678,821	1,642,387	1,626,037	1,621,741	1,677,015	1,756,707	1,885,376	1,850,694	1,995,052	1,803,306	1,721,792	1,664,671	20,923,601	Section 3.2.2, Page 10.3; Ln. 95 x 1000
3	Schedule A6-TOU	-	-	-	-	-	-	-	-	-	-	-	-	-	Section 3.2.2, Page 10.4; Ln. 145 x 1000
4	Secondary	1,678,821	1,642,387	1,626,037	1,621,741	1,677,015	1,756,707	1,885,376	1,850,694	1,995,052	1,803,306	1,721,792	1,664,671	20,923,601	Sum Lines 3 and 4
5															
6															
7	Schedules AL-TOU / AY-TOU / DG-R	317,012	310,132	307,045	306,234	316,671	331,719	356,016	349,467	376,726	340,519	325,126	314,340	3,951,006	Section 3.2.2, Page 10.3; Ln. 99 x 1000
8	Schedule A6-TOU	17,622	15,204	14,150	15,985	17,155	16,114	18,040	17,182	18,866	16,722	18,670	18,033	203,743	Section 3.2.2, Page 10.4; Ln. 149 x 1000
9	Primary	334,634	325,336	321,195	322,219	333,826	347,833	374,056	366,649	395,592	357,240	343,796	332,373	4,154,750	Sum Lines 8 and 9
10															
11															
12	Schedules AL-TOU / AY-TOU / DG-R	18,362	17,964	17,785	17,738	18,342	19,214	20,621	20,242	21,821	19,724	18,832	18,207	228,854	Section 3.2.2, Page 10.3; Ln. 101 x 1000
13	Schedule A6-TOU	99,682	86,007	80,044	90,434	97,043	91,150	102,650	97,197	106,720	94,591	105,613	102,007	1,152,529	Section 3.2.2, Page 10.4; Ln. 151 x 1000
14	Transmission	118,045	103,971	97,829	108,162	115,386	110,365	122,671	117,839	128,541	114,314	124,445	120,214	1,381,383	Sum Lines 13 and 14
15	Total	2,131,499	2,071,694	2,045,061	2,052,123	2,126,227	2,214,904	2,382,103	2,334,783	2,519,185	2,274,861	2,190,034	2,117,259	26,459,733	Sum Lines 5, 10, 15
16															
17															
18															
19	<u>Non-Coincident Demand Rates Per (K)KW): @ 90%:</u>														
20	Secondary	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	Section 3.2.2, Page 14; Line 8
21	Primary	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	\$ 11,994,780,432	Section 3.2.2, Page 14; Line 8
22	Transmission	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	\$ 11,994,780,422	Section 3.2.2, Page 14; Line 8
23															
24	<u>Revenues @ Calculated Rates:</u>														
25	Secondary	\$ 20,137,090	\$ 19,700,073	\$ 19,503,957	\$ 19,452,432	\$ 20,115,429	\$ 21,071,315	\$ 22,614,669	\$ 22,198,671	\$ 23,930,211	\$ 21,630,261	\$ 20,652,523	\$ 19,967,369	\$ 250,973,998	Line 5 x Line 20
26	Primary	\$ 4,013,859	\$ 3,902,339	\$ 3,852,663	\$ 3,864,944	\$ 4,004,172	\$ 4,172,177	\$ 4,486,721	\$ 4,397,877	\$ 4,745,038	\$ 4,385,018	\$ 4,123,763	\$ 3,986,739	\$ 49,835,310	Line 10 x Line 21
27	Transmission	\$ 1,415,919	\$ 1,247,107	\$ 1,173,441	\$ 1,297,383	\$ 1,384,025	\$ 1,323,798	\$ 1,471,417	\$ 1,408,666	\$ 1,541,825	\$ 1,371,176	\$ 1,492,688	\$ 1,441,945	\$ 16,569,381	Line 15 x Line 22
28	Total	\$ 25,566,868	\$ 24,849,520	\$ 24,530,061	\$ 24,614,759	\$ 25,503,626	\$ 26,567,290	\$ 28,572,808	\$ 28,005,204	\$ 30,217,073	\$ 27,386,455	\$ 26,268,973	\$ 25,396,052	\$ 317,378,689	Sum Lines 25, 26, 27
29															
30	<u>Total Revenues @ Calculated Rates:</u>	\$ 25,566,868	\$ 24,849,520	\$ 24,530,061	\$ 24,614,759	\$ 25,503,626	\$ 26,567,290	\$ 28,572,808	\$ 28,005,204	\$ 30,217,073	\$ 27,386,455	\$ 26,268,973	\$ 25,396,052	\$ 317,378,689	Line 28
31															
1	90% Non-Coincident Demand (NCD) Rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, DG-R and A6-TOU.														

Section 3.2.2															
SAN DIEGO GAS AND ELECTRIC COMPANY															
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing															
PROOF of REVENUES from the WHOLESALF True-Up Transmission Rates Developed from the TO4-Cycle 3 Filing															
For the Rate Effective Period January 2016 - December 2016															
12-Month True-Up Period (1/1/2016 - 12/31/2016)															
Medium & Large Commercial and Industrial Customer															
Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
1	On-Peak Demand (KW):														
2	Secondary	1,391,566	1,361,366	1,347,813	1,344,253	1,533,848	1,606,736	1,724,421	1,692,700	1,824,734	1,649,357	1,407,184	1,379,837	18,283,815	Section 3.2.2, Page 10.3; Ln. 113 x 1000
3	Primary	301,285	294,747	291,812	291,042	326,853	342,385	367,463	360,704	388,839	351,468	308,997	298,746	3,924,341	Section 3.2.2, Page 10.3; Ln. 117 x 1000
4	Transmission	31,502	30,818	30,511	30,431	32,658	34,210	36,715	36,040	38,851	35,117	32,308	31,236	400,397	Section 3.2.2, Page 10.3; Ln. 119 x 1000
5	Total	1,724,353	1,686,931	1,670,137	1,665,725	1,893,359	1,983,331	2,128,599	2,089,443	2,252,424	2,035,942	1,768,490	1,709,819	22,608,553	Sum Lines 2, 3, 4
6	Maximum On-Peak Demand Rates Per.(KW):¹														
7	Secondary	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 0.6543811530	\$ 0.6543811530		Section 3.2.2, Page 14; Lines 11812
8	Primary	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 0.6543811530	\$ 0.6543811530		Section 3.2.2, Page 14; Lines 11812
9	Transmission	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 0.6543811530	\$ 0.6543811530		Section 3.2.2, Page 14; Lines 11812
10															
11	Revenues @ Calculated Rates:														
12	Secondary	\$ 910,614	\$ 890,852	\$ 881,984	\$ 879,654	\$ 3,315,327	\$ 3,472,871	\$ 3,727,239	\$ 3,638,676	\$ 3,944,060	\$ 3,564,994	\$ 933,923	\$ 902,939	\$ 27,083,134	Line 2 x Line 8
13	Primary	\$ 197,155	\$ 192,877	\$ 190,957	\$ 190,452	\$ 706,475	\$ 740,047	\$ 794,251	\$ 779,641	\$ 840,454	\$ 759,678	\$ 202,202	\$ 195,494	\$ 5,789,683	Line 3 x Line 9
14	Transmission	\$ 20,614	\$ 20,167	\$ 19,966	\$ 19,913	\$ 70,888	\$ 73,942	\$ 79,358	\$ 77,898	\$ 83,974	\$ 75,903	\$ 21,142	\$ 20,440	\$ 583,906	Line 4 x Line 10
15	Total	\$ 1,128,384	\$ 1,103,896	\$ 1,092,906	\$ 1,090,019	\$ 4,092,390	\$ 4,286,860	\$ 4,600,848	\$ 4,516,215	\$ 4,868,489	\$ 4,400,575	\$ 1,157,266	\$ 1,118,874	\$ 33,456,722	Sum Lines 13; 14; 15
16	Total Revenues @ Calculated Rates:														
17		\$ 1,128,384	\$ 1,103,896	\$ 1,092,906	\$ 1,090,019	\$ 4,092,390	\$ 4,286,860	\$ 4,600,848	\$ 4,516,215	\$ 4,868,489	\$ 4,400,575	\$ 1,157,266	\$ 1,118,874	\$ 33,456,722	Line 16
18															
1	Maximum On-Peak Demand Rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, AL-TOU-DER and DG-R.														

Section 3.2.2															
SAN DIEGO GAS AND ELECTRIC COMPANY															
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing															
PROOF of REVENUES from the WHOLESALE True-Up Transmission Rates Developed from the TO4-Cycle 3 Filing															
For the Rate Effective Period January 2016 - December 2016															
12-Month True-Up Period (01/1/2016 - 12/31/2016)															
Standby Customers															
Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
1	Demand - Billing Determinants (KW):														
2	Secondary	9,978	9,978	9,978	9,978	9,978	9,978	9,978	9,978	9,978	9,978	9,978	9,978	119,737	Section 3.2.2, Page 10.5; Ln. 211 x 1000
3	Primary	103,952	103,952	103,952	103,952	103,952	103,952	103,952	103,952	103,952	103,952	103,952	103,952	1,247,420	Section 3.2.2, Page 10.5; Ln. 215 x 1000
4	Transmission	58,726	58,726	58,726	58,726	58,726	58,726	58,726	58,726	58,726	58,726	58,726	58,726	704,712	Section 3.2.2, Page 10.5; Ln. 217 x 1000
5	Total	172,656	172,656	172,656	172,656	172,656	172,656	172,656	172,656	172,656	172,656	172,656	172,656	2,071,869	Sum Lines 2; 3; 4
6														6	
7	Demand Rates Per (\$/KW):														
8	Secondary	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885		Section 3.2.2, Page 14; Line 25
9	Primary	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211		Section 3.2.2, Page 14; Line 25
10	Transmission	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283		Section 3.2.2, Page 14; Line 25
11															
12	Revenues @ Calculated Rates:														
13	Secondary	\$ 59,333	\$ 59,333	\$ 59,333	\$ 59,333	\$ 59,333	\$ 59,333	\$ 59,333	\$ 59,333	\$ 59,333	\$ 59,333	\$ 59,333	\$ 59,333	712,000	Line 2 x Line 8
14	Primary	618,333	618,333	618,333	618,333	618,333	618,333	618,333	618,333	618,333	618,333	618,333	618,333	7,420,000	Line 3 x Line 9
15	Transmission	349,333	349,333	349,333	349,333	349,333	349,333	349,333	349,333	349,333	349,333	349,333	349,333	4,192,000	Line 4 x Line 10
16	Total	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	12,324,000	Sum Lines 13; 14; 15
17															
18	Total Revenues @ Calculated Rates:	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	\$ 1,027,000	12,324,000	Line 16

Section 3.2.2

San Diego Gas & Electric

FERC Forecast Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016

Line No.		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
44	Total Deliveries (%)													
45	% @ Secondary Service	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%	97.49%
46	% @ Primary Service	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%	2.51%
47	% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
48	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
49	Total Deliveries (MWh)													
50	MWh @ Secondary Service	2,876	2,848	2,870	2,755	2,843	2,958	3,093	3,128	3,428	3,039	2,812	2,721	35,370
51	MWh @ Primary Service	74	73	74	71	73	76	80	81	88	78	72	70	911
52	MWh @ Transmission Service	0	0	0	0	0	0	0	0	0	0	0	0	0
53	2,950	2,922	2,944	2,825	2,916	3,034	3,173	3,208	3,208	3,517	3,117	2,884	2,791	36,281
54	Non-Coincident Demand (%)													
55	% @ Secondary Service	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%	0.4245%
56	% @ Primary Service	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%	0.2102%
57	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
58														
59	Non-Coincident Demand (MW)													
60	MW @ Secondary Service	12.207	12.092	12.185	11.693	12.067	12.556	13.131	13.277	14.553	12.899	11.937	11.551	150.147
61	MW @ Primary Service	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	10.4570
62	MW @ Transmission Service	12.764	12.644	12.742	12.227	12.619	13.130	13.731	13.884	15.218	13.488	12.482	12.079	157.009
63														
64	MW @ Primary Service	0.156	0.154	0.155	0.149	0.154	0.160	0.167	0.169	0.186	0.164	0.152	0.147	1.914
65	Transmission Level Adjustment Factor	1.0108	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080
66	Non-Coincident Demand @ Transmission Level	0.157	0.156	0.157	0.151	0.156	0.162	0.169	0.171	0.188	0.166	0.154	0.149	1.935
67														
68	MW @ Transmission Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69	Non-Coincident Demand @ Meter Level	12.362	12.246	12.341	11.842	12.221	12.716	13.298	13.447	14.739	13.063	12.089	11.698	152.062
70	Non-Coincident Demand @ Transmission Level	12.922	12.800	12.899	12.378	12.774	13.292	13.900	14.055	15.406	13.654	12.636	12.228	158.944
71														
72														
73	Schedules AL-TOU / AY-TOU / DG-R:													
74	Applicable to 90% NCD - Total Deliveries (MWh)	739,542	723,493	716,290	714,398	738,747	773,852	830,532	815,255	878,846	794,380	758,472	733,309	9,217,117
75														
76	Total Deliveries (%)													
77	% @ Secondary Service	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%	79.20%
78	% @ Primary Service	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%	19.48%
79	% @ Transmission Service	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%	1.32%
80	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
81	Total Deliveries (MWh)													
82	MWh @ Secondary Service	585,718	573,006	567,302	565,803	585,088	612,891	657,782	645,682	696,046	629,149	600,710	580,781	7,299,957
83	MWh @ Primary Service	144,063	140,936	139,533	139,165	143,908	150,746	161,788	158,812	171,199	154,745	147,750	142,849	1,795,494
84	MWh @ Transmission Service	9,762	9,550	9,455	9,430	9,751	10,215	10,963	10,761	11,601	10,486	10,012	9,680	121,666
85	739,542	723,493	716,290	714,398	738,747	773,852	830,532	815,255	878,846	794,380	758,472	733,309	9,217,117	
86														

Section 3.2.2
San Diego Gas & Electric

FERC Forecast Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016

Line No.		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
87	Non-Coincident Demand (%)													
88	% @ Secondary Service	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%	0.2741%
89	% @ Primary Service	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%	0.2177%
90	% @ Transmission Service	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%	0.1881%
91														
92	Non-Coincident Demand (MW)													
93	MW @ Secondary Service	1,605.452	1,570.610	1,554.975	1,550.867	1,603.725	1,679.934	1,802.980	1,769.814	1,907.863	1,724.497	1,646.545	1,591.921	20,009.181
94	Transmission Level Adjustment Factor	1.0457	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	
95	Non-Coincident Demand @ Transmission Level	1,678.821	1,642.387	1,626.037	1,621.741	1,677.015	1,756.707	1,885.376	1,850.694	1,995.052	1,803.306	1,721.792	1,664.671	20,923.601
96														
97	MW @ Primary Service	313.625	306.819	303.764	302.962	313.287	328.175	352.212	345.733	372.701	336.880	321.652	310.982	3,908.791
98	Transmission Level Adjustment Factor	1.0108	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	
99	Non-Coincident Demand @ Transmission Level	317.012	310.132	307.045	306.234	316.671	331.719	356.016	349.467	376.726	340.519	325.126	314.340	3,951.006
100														
101	MW @ Transmission Service	18.362	17.964	17.785	17.738	18.342	19.214	20.621	20.242	21.821	19.724	18.832	18.207	228.854
102	Non-Coincident Demand @ Meter Level	1,937.439	1,895.392	1,876.524	1,871.566	1,935.355	2,027.323	2,175.813	2,135.789	2,302.384	2,081.101	1,987.030	1,921.110	24,146.826
103	Non-Coincident Demand @ Transmission Level	2,014.195	1,970.483	1,950.867	1,945.713	2,012.029	2,107.640	2,262.013	2,220.403	2,393.599	2,163.548	2,065.751	1,997.219	25,103.461
104														
105	On-Peak Demand (%)													
106	% @ Secondary Service	0.2272%	0.2272%	0.2272%	0.2272%	0.2507%	0.2507%	0.2507%	0.2507%	0.2507%	0.2507%	0.2272%	0.2272%	0.2395%
107	% @ Primary Service	0.2069%	0.2069%	0.2069%	0.2069%	0.2247%	0.2247%	0.2247%	0.2247%	0.2247%	0.2247%	0.2069%	0.2069%	0.2162%
108	% @ Transmission Service	0.3227%	0.3227%	0.3227%	0.3227%	0.3349%	0.3349%	0.3349%	0.3349%	0.3349%	0.3349%	0.3227%	0.3227%	0.3291%
109														
110	On-Peak Demand (MW)													
111	MW @ Secondary Service	1,330.750	1,301.870	1,288.910	1,285.505	1,466.814	1,536.518	1,649.059	1,618.724	1,744.988	1,577.276	1,364.813	1,319.534	17,484.761
112	Transmission Level Adjustment Factor	1.0457	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	
113	On-Peak Demand @ Transmission Level	1,391.566	1,361.366	1,347.813	1,344.253	1,533.848	1,606.736	1,724.421	1,692.700	1,824.734	1,649.357	1,427.184	1,379.837	18,283.815
114														
115	MW @ Primary Service	298.066	291.597	288.695	287.932	323.361	338.727	363.537	356.850	384.685	347.712	305.695	295.554	3,882.411
116	Transmission Level Adjustment Factor	1.0108	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	
117	On-Peak Demand @ Transmission Level	301.285	294.747	291.812	291.042	326.853	342.385	367.463	360.704	388.839	351.468	308.997	298.746	3,924.341
118														
119	MW @ Transmission Service	31.502	30.818	30.511	30.431	32.658	34.210	36.715	36.040	38.851	35.117	32.308	31.236	400.397
120	On-Peak Demand @ Meter Level	1,660.318	1,624.286	1,608.116	1,603.868	1,822.833	1,909.454	2,049.311	2,011.614	2,168.524	1,960.105	1,702.816	1,646.325	21,767.569
121	On-Peak Demand @ Transmission Level	1,724.353	1,686.931	1,670.137	1,665.725	1,893.359	1,983.331	2,128.599	2,089.443	2,252.424	2,035.942	1,768.490	1,709.819	22,608.553
122														
123														
124	Schedule A6-TOU:													
125	Total Deliveries (MWh)	64,472	55,627	51,771	58,484	62,765	58,954	66,003	62,864	69,024	61,179	68,307	65,975	745,424
126														
127	Total Deliveries (%)													
128	% @ Secondary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
129	% @ Primary Service	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%	13.96%
130	% @ Transmission Service	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%	86.04%
131		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

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San Diego Gas & Electric

FERC Forecast Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016

Line No.	Total Deliveries (MWh)		MW @ Secondary Service		MW @ Primary Service		MW @ Non-Coincident Demand (%)		Coincident Peak Demand (MW)		Transmission Level Adjustment Factor		Non-Coincident Demand @ Transmission Level		Coincident Peak Demand @ Transmission Level		Transmission Level Adjustment Factor		Non-Coincident Demand @ Transmission Level		Coincident Peak Demand @ Transmission Level		Line No.	
	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W		
132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	
133	9,000	7,766	7,227	8,164	8,762	8,230	9,214	8,776	9,636	8,541	9,536	9,210	104,061										133	
134	55,472	47,861	44,543	50,320	54,003	50,724	56,789	54,088	59,388	52,638	58,772	56,765	641,363										134	
135	64,472	55,627	51,771	58,484	62,765	58,954	66,003	62,864	69,024	61,179	68,307	65,975	745,424										135	
136																							136	
137																							137	
138	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%										138	
139	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%	0.1937%										139	
140	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%	0.1797%										140	
141																							141	
142																							142	
143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000									143		
144	1.0457	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570										144	
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000										145	
146																							146	
147	17,434	15,042	13,999	15,814	16,972	15,941	17,848	16,999	18,664	16,543	18,471	17,840	201,567										147	
148	1,0108	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080										148	
149	17,622	15,204	14,150	15,985	17,155	16,114	18,040	17,182	18,866	16,722	18,670	18,033	203,743										149	
150																							150	
151	99,682	86,007	80,044	90,424	97,043	91,150	102,050	97,197	106,720	94,591	105,613	102,007	1,152,529										151	
152	117,116	101,049	94,043	106,239	114,015	107,092	119,898	114,196	125,385	111,134	124,083	119,847	1,354,095										152	
153	117,304	101,211	94,195	106,409	114,198	107,264	120,090	114,379	125,586	111,312	124,283	120,040	1,356,272										153	
154																							154	
155																							155	
156	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%										156	
157	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%	0.1346%										157	
158	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1401%	0.1428%	0.1428%	0.1401%	0.1401%	0.1415%										158	
159																							159	
160																							160	
161	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000										161	
162	1.0457	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570										162	
163	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000										163	
164																							164	
165	12,114	10,452	9,728	10,989	13,896	13,053	14,613	13,919	15,282	13,545	12,835	12,397	152,824										165	
166	1,0108	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080										166	
167	12,245	10,565	9,833	11,108	14,047	13,194	14,771	14,069	15,447	13,692	12,974	12,531	154,475										167	
168																							168	
169	77,716	67,054	62,405	70,498	77,116	72,433	81,095	77,238	84,806	75,167	82,339	79,528	907,395										169	
170	89,830	77,506	72,133	81,487	91,013	85,486	95,708	91,157	100,088	88,712	95,174	91,925	1,060,220										170	
171	89,961	77,619	72,238	81,606	91,163	85,627	95,866	91,307	100,253	88,859	95,313	92,059	1,061,870										171	
172																								172
173																								173
174																								174
175																								175
176																								176

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San Diego Gas & Electric

FERC Forecast Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016

Line No.	Schedule PA-T-1: Transmission Level for the Rate Effective Period: January 2016 - December 2016	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Line No.
177	Total Deliveries (MWh)	14,423	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349	177
178															178
179															179
180	Total Deliveries (%)														180
181	% @ Secondary Service	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	181
182	% @ Primary Service	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	12.60%	182
183	% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	183
184		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	184
185	Total Deliveries (MWh)														185
186	MWh @ Secondary Service	12,606	12,532	12,508	14,246	17,211	19,915	22,043	21,182	22,248	19,107	16,434	13,916	203,947	186
187	MWh @ Primary Service	1,817	1,807	1,803	2,054	2,481	2,871	3,178	3,054	3,207	2,755	2,369	2,006	29,402	187
188	MWh @ Transmission Service	0	0	0	0	0	0	0	0	0	0	0	0	0	188
189		14,423	14,339	14,311	16,300	19,692	22,786	25,221	24,236	25,455	21,861	18,803	15,922	233,349	189
190	Non-Coincident Demand (%)														190
191	% @ Secondary Service	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	0.4099%	191
192	% @ Primary Service	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	0.5266%	192
193	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	193
194															194
195	Non-Coincident Demand (MW)														195
196	MW @ Secondary Service	51.672	51.369	51.269	58.394	70.548	81.633	90.353	86.827	91.195	78.318	67.362	57.040	835.980	196
197	Transmission Level Adjustment Factor	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	197
198	Non-Coincident Demand @ Transmission Level	54.033	53.717	53.612	61.063	73.772	85.364	94.482	90.795	95.362	81.897	70.440	59.646	874.184	198
199															199
200	MW @ Primary Service	9.570	9.514	9.496	10.815	13.066	15.119	16.734	16.081	16.890	14.505	12.476	10.564	154.831	200
201	Transmission Level Adjustment Factor	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	201
202	Non-Coincident Demand @ Transmission Level	9.673	9.617	9.598	10.932	13.207	15.282	16.915	16.255	17.072	14.662	12.611	10.678	156.503	202
203															203
204	MW @ Transmission Service														204
205	Non-Coincident Demand @ Meter Level	61.242	60.883	60.765	69.209	83.614	96.752	107.087	102.908	108.085	92.824	79.838	67.604	990.811	205
206	Non-Coincident Demand @ Transmission Level	63.707	63.334	63.210	71.995	86.979	100.646	111.397	107.050	112.435	96.559	83.051	70.325	1,030.688	206
207	Schedule S: Standby Determinants:														207
208	Contracted Standby Demand (MW)														208
209	MW @ Secondary Service	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	9.542	114.504	209
210	Transmission Level Adjustment Factor	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	210
211	Standby Demand @ Transmission Level	9.978	9.978	9.978	9.978	9.978	9.978	9.978	9.978	9.978	9.978	9.978	9.978	119.737	211
212															212
213	MW @ Primary Service	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	102.841	1,234.092	213
214	Transmission Level Adjustment Factor	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	214
215	Standby Demand @ Transmission Level	103.952	103.952	103.952	103.952	103.952	103.952	103.952	103.952	103.952	103.952	103.952	103.952	1,247.420	215
216															216
217	MW @ Transmission Service														217
218	Standby Demand@Meter Level	171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	171.109	2,053.308	218
219	Standby Demand@Transmission Level	172.656	172.656	172.656	172.656	172.656	172.656	172.656	172.656	172.656	172.656	172.656	172.656	2,071.869	219
220															220

Section 3.2.2															
SAN DIEGO GAS AND ELECTRIC COMPANY															
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing															
PROOF of REVENUES from the WHOLESALF True-Up Transmission Rates Developed from the TO4-Cycle 3 Filing															
For the Rate Effective Period January 2016 - December 2016															
Billing Determinants @ Transmission Level															
12-Month True-Up Period (1/1/2016 - 12/31/2016)															
Line No.	Customer Classes	(A)		(B)		(C)		(D)		(E)		(F)		(G)	
		Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)
1	Residential Customers ¹	760,662,936		665,893,567		637,807,372		583,957,730		577,830,235		607,326,115		3,833,477,956	
2															
3	Small Commercial ²	167,658,671		160,721,921		158,680,551		153,940,891		157,341,769		165,019,526		963,363,128	
4															
5	Medium-Large Commercial ³	835,688,251	2,144,421	809,878,913	2,084,494	798,449,753	2,057,960	803,319,404	2,064,501	833,061,804	2,139,001	865,592,162	2,228,196	4,945,990,286	12,718,574
6															
7	Agricultural Customers ⁴	19,818,737	63,707	19,787,759	63,334	19,802,963	63,210	22,873,906	71,995	27,656,446	86,979	32,410,483	100,646	142,350,293	449,871
8															
9	Street Lighting ⁵	8,259,389		7,844,383		7,837,214		7,649,598		7,692,145		7,981,314		47,264,042	
10															
11	Sale for Resale ⁶	3,249		3,068		3,090		3,014		3,037		3,149		18,606	
12															
13	Standby Customers ⁷		172,656		172,656		172,656		172,656		172,656		172,656		1,035,935
14															
15	TOTAL	1,792,091,233	2,380,784	1,664,129,610	2,320,484	1,622,580,942	2,293,827	1,571,744,542	2,309,151	1,603,585,436	2,398,636	1,678,332,549	2,501,498	9,932,464,312	14,204,380
Notes:															
1	See Section 3.2.2; Page 10.1; Line 5 x 1000.														
2	See Section 3.2.2; Page 10.1; Line 9 x 1000.														
3	See Section 3.2.2; Pages 10.1; 10.2; 10.3; 10.4; (Lines 13, 17, and 21) x 1000; (Lines 70, 103, and 153) x 1000.														
4	See Section 3.2.2; Page 10.1 & 10.5; (Lines 25 and 29) x 1000; Line 206 x 1000.														
5	See Section 3.2.2; Page 10.1; Line 33 x 1000.														
6	See Section 3.2.2; Page 10.1; Line 35 x 1000.														
7	See Section 3.2.2; Page 10.5; Line 219 x 1000.														

Section 3.2.2															
SAN DIEGO GAS AND ELECTRIC COMPANY															
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing															
PROOF OF REVENUES from the WHOLESALE True-Up Transmission Rates Developed from the TO4-Cycle 3 Filing															
For the Rate Effective Period January 2016 - December 2016															
Billing Determinants @ Transmission Level															
12-Month True-Up Period (1/1/2016 - 12/31/2016)															
Line No.	Customer Classes	Jul-16		Aug-16		Sep-16		Oct-16		Nov-16		Dec-16		Sub-Total	Grand Total
		Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)		
1	Residential Customers ¹	697,035,527	714,038,514	793,075,492	662,799,258	622,633,067	161,829,431	859,195,952	2,202,670	830,626,171	2,129,486	4,198,938,382	-	8,032,416,338	1
2	Small Commercial ²	180,474,947	179,025,469	193,321,644	172,179,789	163,491,777	1,050,323,057	2,013,686,185	-	-	-	1,050,323,057	-	2,013,686,185	2
3	Medium-Large Commercial ³	931,734,338	2,396,004	912,698,837	2,348,838	985,251,850	2,534,591	889,240,281	2,288,515	830,626,171	2,129,486	5,408,747,429	13,900,103	10,354,737,715	3
4	Agricultural Customers ⁴	35,999,820	111,397	34,829,839	107,050	36,736,942	112,435	31,306,831	96,559	26,622,973	83,051	187,739,912	580,816	330,090,206	4
5	Street Lighting ⁵	8,089,707	7,696,365	8,092,119	7,696,365	8,092,119	7,696,365	7,888,159	8,184,424	47,719,430	94,983,473	47,719,430	-	94,983,473	5
6	Sale for Resale ⁶	3,197	3,020	3,179	3,033	3,179	3,033	3,062	3,177	18,668	37,274	18,668	-	37,274	6
7	Standby Customers ⁷	1,853,337,535	2,680,057	1,848,292,044	2,638,543	2,016,481,227	2,819,681	1,763,297,848	2,557,730	1,678,172,644	2,458,376	172,656	172,656	1,035,935	7
8	TOTAL	1,853,337,535	2,680,057	1,848,292,044	2,638,543	2,016,481,227	2,819,681	1,763,297,848	2,557,730	1,678,172,644	2,458,376	17,533,905,580	2,372,467	20,825,951,191	8
9															9
10															10
11															11
12															12
13															13
14															14
15															15
Notes:															
1	See Section 3.2.2; Page 10.1; Line 5 x 1000.														
2	See Section 3.2.2; Page 10.1; Line 9 x 1000.														
3	See Section 3.2.2; Pages 10.1; 10.2; 10.3; 10.4; (Lines 13, 17, and 21) x 1000; (Lines 70, 103, and 153) x 1000.														
4	See Section 3.2.2; Page 10.1 & 10.5; (Lines 25 and 29) x 1000; Line 206 x 1000.														
5	See Section 3.2.2; Page 10.1; Line 33 x 1000.														
6	See Section 3.2.2; Page 10.1; Line 35 x 1000.														
7	See Section 3.2.2; Page 10.5; Line 219 x 1000.														

Section 3.2.2				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
PROOF of REVENUES from the WHOLESALe True-Up Transmission Rates Developed from the TO4-Cycle 3				
For the Rate Effective Period January 2016 - December 2016				
Total Billing Determinants @ Transmission Level				
12-Month True-Up Period (1/1/2016 - 12/31/2016)				
	(M)			
	12 Months to Date			
Line No.	Customer Classes	Billing Determinants @ Transmission Level Energy (kWh)	Demand (kW)	Line No.
1	Residential Customers	8,032,416,338	-	1
2				2
3	Small Commercial	2,013,686,185	-	3
4				4
5	Medium-Large Commercial	10,354,737,715	26,618,677	5
6				6
7	Agricultural	330,090,206	1,030,688	7
8				8
9	Street Lighting	94,983,473	-	9
10				10
11	Sale for Resale	37,274	-	11
12				12
13	Standby Customers	-	2,071,869	13
14				14
15	TOTAL	20,825,951,191	29,721,234	15

Section 3.2.2
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
WHOLESALE - Rate Design Information

Summary of TO4-CYCLE-3 Wholesale Transmission Rates Based on TO4-CYCLE-3 Wholesale Cost of Service
Using TO4-CYCLE-3 Forecast Billing Determinants

Line No.	Customer Classes	Transmission Energy Rates \$/kWh	Transmission Level Demand Rates \$/kW-Mo	Primary Level Demand Rates \$/kW-Mo	Secondary Level Demand Rates \$/kW-Mo	Reference	Line No.
1	Residential	\$ 0.0413558761				Section 3.2.1; Page 2; Line 11	1
2							2
3	Small Commercial	\$ 0.0427706278				Section 3.2.1; Page 3; Line 11	3
4							4
5	Med & Lrg Commercial/Industrial						5
6	Non-Coincident Demand (100%) ¹		\$ 13.3275338024	\$ 13.3275338176	\$ 13.3275338147	Section 3.2.1; Page 4; Lines 33;34;35	6
7							7
8	Non-Coincident Demand (90%) ²		\$ 11.9947804222	\$ 11.9947804358	\$ 11.9947804332	Section 3.2.1; Page 5; Lines 7;8;9	8
9							9
10	Maximum On-Peak Demand ³						10
11	Summer		\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	Section 3.2.1; Page 6; Lines 35;36;37	11
12	Winter		\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	Section 3.2.1; Page 7; Lines 32;33;34	12
13							13
14	Maximum Demand at the Time of System Peak ⁴						14
15	Summer		\$ 2.6145842414	\$ 2.6145842414	\$ -	Section 3.2.1; Page 8; Lines 35;36;37	15
16	Winter		\$ 0.7105323207	\$ 0.7105323207	\$ -	Section 3.2.1; Page 9; Lines 32;33;34	16
17							17
18	Agricultural (Schedules PA and TOU-PA)	\$ 0.0217211446				Section 3.2.1; Page 10; Line 7	18
19							19
20	Agricultural (Schedule PA-T1) ¹						20
21	Non-Coincident Demand (100%)		\$ 5.0738800270	\$ 5.1286779313	\$ 5.1286779313	Section 3.2.1; Page 11; Lines 34;35;36	21
22							22
23	Street Lighting	\$ 0.0308143390				Section 3.2.1; Page 12; Line 11	23
24							24
25	Standby Rate		\$ 5.9485293283	\$ 5.9482763211	\$ 5.9463740885	Section 3.2.1; Page 13; Lines 33;34;35	25
Notes:							
1	Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1						
2	NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.						
3	Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.						
4	Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU						

San Diego Gas & Electric Company

Section 3.2.3

Derivation of CAISO Wholesale True-Up Revenues Based on the CAISO Wholesale True-Up Transmission Rates Derived from Section 3.2.2

Docket No. ER18-____-____

Section 3.2.3

SAN DIEGO GAS AND ELECTRIC COMPANY
 T04-Cycle 5 Annual Transmission Formula Rate Filing
 SUMMARY of CAISO WHOLESale True-Up Revenues
 For the 12-Month Period January 2016 through December 2016
 True-Up Period (1/1/2016 - 12/31/2016)

Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(F) Sub-Total	
		Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)
1	Residential Customers	694,738,760	-	567,901,260	-	505,103,278	-	490,097,372	-	482,100,290	-	516,546,498	-	3,256,487,459	-
2	Small Commercial	155,683,321	-	132,975,967	-	174,316,214	-	147,671,092	-	170,566,762	-	182,066,214	-	963,279,570	-
3	Medium-Large Commercial	774,460,996	1,982,472	672,948,570	1,763,022	1,028,580,492	2,564,046	820,724,443	2,199,879	744,818,930	1,907,792	802,858,142	2,048,134	4,844,391,574	12,465,345
4	Agricultural (PA and TOU-PA)	5,024,251	-	5,934,570	-	6,482,928	-	6,890,350	-	7,718,004	-	9,037,148	-	41,087,252	-
5	Agricultural (PA-T-1)	18,534,225	838,111	15,628,793	75,155	15,723,729	68,406	21,984,701	90,480	15,885,042	61,447	17,516,886	71,604	105,273,375	450,303
6	Street Lighting	5,368,363	-	6,942,552	-	7,342,517	-	7,477,955	-	8,020,018	-	6,968,475	-	42,119,881	-
7	Standby Customers	-	167,813	-	168,782	-	170,868	-	173,689	-	177,252	-	178,792	-	1,037,195
8	TOTAL	1,653,809,917	2,234,096	1,402,331,711	2,006,959	1,737,549,159	2,803,320	1,494,845,914	2,464,048	1,429,109,046	2,146,491	1,534,993,364	2,298,530	9,252,639,110	13,953,444

Note: The above billing determinants are the recorded determinants from January 2016 through December 2016. The recorded consumption is translated from retail to transmission level.

Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(F) Sub-Total	
		Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)
16	Residential Customers	\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761	
17	Small Commercial	\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278	
18	Medium-Large Commercial	\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446	
19	Agricultural (PA and TOU-PA)	\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390	
20	Agricultural (PA-T-1)														
21	Street Lighting														
22	Standby Customers														
23	TOTAL														

Note: The wholesale true-up transmission rates from January 2016 - December 2016 were derived based on the FERC Approved Wholesale BTRR of \$795.496 million from T04 Cycle 3.

Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(F) Sub-Total	
		Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)
29	Residential Customers	\$ 28,731,530		\$ 23,486,054		\$ 20,888,989		\$ 20,268,406		\$ 19,937,680		\$ 21,362,233		\$ 134,674,892	
30	Small Commercial	\$ 6,658,673		\$ 5,687,466		\$ 7,455,614		\$ 6,315,985		\$ 7,295,247		\$ 7,787,086		\$ 41,200,072	
31	Medium-Large Commercial	\$ -	\$ 24,857,033	\$ -	\$ 22,112,378	\$ -	\$ 32,219,190	\$ -	\$ 27,612,856	\$ -	\$ 26,567,923	\$ -	\$ 28,890,710	\$ -	\$ 162,260,091
32	Agricultural (PA and TOU-PA)	\$ 109,132		\$ 128,906		\$ 140,817		\$ 149,666		\$ 167,644		\$ 196,297		\$ 892,462	
33	Agricultural (PA-T-1)	\$ -	\$ 429,838	\$ -	\$ 385,448	\$ -	\$ 350,834	\$ -	\$ 464,042	\$ -	\$ 315,141	\$ -	\$ 367,236	\$ -	\$ 2,312,539
34	Street Lighting	\$ 165,423		\$ 213,930		\$ 226,255		\$ 230,428		\$ 247,132		\$ 214,729		\$ 1,297,896	
35	Standby Customers	\$ -	\$ 998,195	\$ -	\$ 1,003,956	\$ -	\$ 1,016,363	\$ -	\$ 1,033,144	\$ -	\$ 1,054,338	\$ -	\$ 1,063,503	\$ -	\$ 6,169,500
36	TOTAL	\$ 35,664,759	\$ 26,285,066	\$ 29,516,356	\$ 23,501,793	\$ 28,711,674	\$ 33,586,387	\$ 26,964,486	\$ 29,110,042	\$ 27,647,703	\$ 27,937,402	\$ 29,560,345	\$ 30,321,449	\$ 178,065,322	\$ 170,742,129
37	Grand Total		\$ 61,949,825		\$ 53,018,138		\$ 62,298,061		\$ 56,074,528		\$ 55,585,105		\$ 59,881,795		\$ 348,807,452

Note: The above revenues were derived by multiplying the above rates and billing determinants except Medium & Large C-1, Agricultural PA-T-1, and Standby Customers where these revenues are derived on pages 4-9.

Section 3.2.3

SAN DIEGO GAS AND ELECTRIC COMPANY
 TO4-Cycle 5 Annual Transmission Formula Rate Filing
 SUMMARY of CAISO WHOLESALe True-Up Revenues
 For the 12-Month Period January 2016 through December 2016
 True-Up Period (1/1/2016 - 12/31/2016)

Line No.	Customer Classes	(H) Jul-16		(I) Aug-16		(J) Sep-16		(K) Oct-16		(L) Nov-16		(M) Dec-16		(N) Sub-Total		(O) Grand-Total	
		Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)
1	Residential Customers	627,249,318	-	729,143,663	-	654,015,543	-	606,755,686	-	540,357,863	-	584,105,968	-	3,741,628,042	-	6,998,115,501	-
2	Small Commercial	170,613,887	-	238,140,974	-	217,465,141	-	216,249,182	-	190,926,655	-	186,897,618	-	1,220,293,457	-	2,183,573,027	-
3	Medium-Large Commercial	732,310,464	1,792,687	1,050,646,423	2,696,177	1,015,619,626	2,537,527	995,728,077	2,569,219	878,371,156	2,287,920	817,069,809	2,159,009	5,489,745,555	14,042,539	10,334,137,129	26,507,885
4	Agricultural (PA and TOU-PA)	10,561,006	-	11,310,900	-	10,234,282	-	10,512,714	-	8,508,172	-	6,773,822	-	57,899,896	-	98,987,147	-
5	Agricultural (PA-T-1)	15,986,819	54,670	29,484,584	106,957	28,740,124	104,049	21,821,643	79,087	20,345,250	84,359	21,491,311	89,385	137,869,731	518,507	243,143,106	969,410
6	Street Lighting	7,553,290	-	5,402,792	-	7,520,268	-	9,429,750	-	7,600,126	-	5,282,113	-	42,788,338	-	84,908,219	-
7	Standby Customers	-	178,873	-	177,032	-	177,035	-	176,328	-	175,208	-	178,183	-	1,062,659	-	2,099,854
8	TOTAL	1,564,273,782	2,026,229	2,064,129,337	2,980,166	1,933,594,984	2,824,634	1,860,497,053	2,824,634	1,646,109,222	2,547,488	1,621,620,641	2,426,577	10,690,225,019	15,623,705	19,942,864,129	29,577,149

Note: The above billing determinants are the recorded determinants from January 2016 through December 2016. The recorded consumption is translated from retail to transmission level.

Line No.	Customer Classes	(H) Jul-16		(I) Aug-16		(J) Sep-16		(K) Oct-16		(L) Nov-16		(M) Dec-16		(N) Sub-Total		(O) Grand-Total	
		Transmission Rates @ Present Energy (kWh)	Demand (kW)	Transmission Rates @ Present Energy (kWh)	Demand (kW)	Transmission Rates @ Present Energy (kWh)	Demand (kW)	Transmission Rates @ Present Energy (kWh)	Demand (kW)	Transmission Rates @ Present Energy (kWh)	Demand (kW)	Transmission Rates @ Present Energy (kWh)	Demand (kW)	Transmission Rates @ Present Energy (kWh)	Demand (kW)	Transmission Rates @ Present Energy (kWh)	Demand (kW)
16	Residential Customers	\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761	
17	Small Commercial	\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278		\$ 0.0427706278	
18	Medium-Large Commercial	\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446		\$ 0.0217211446	
19	Agricultural (PA and TOU-PA)	\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390	
20	Agricultural (PA-T-1)	\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390	
21	Street Lighting	\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390		\$ 0.0308143390	
22	Standby Customers																
23	TOTAL	\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761		\$ 0.0413558761	

Note: The wholesale true-up transmission rates from January 2016 - December 2016 were derived based on the FERC Approved Wholesale BTRR of \$795.496 million from TO4 Cycle 3.

Line No.	Customer Classes	(H) Jul-16		(I) Aug-16		(J) Sep-16		(K) Oct-16		(L) Nov-16		(M) Dec-16		(N) Sub-Total		(O) Grand-Total	
		Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)
29	Residential Customers	\$ 25,940,445		\$ 30,154,375		\$ 27,047,386		\$ 25,092,913		\$ 22,346,973		\$ 24,156,214		\$ 154,738,306		\$ 289,413,198	
30	Small Commercial	\$ 7,297,263		\$ 10,185,439		\$ 9,301,121		\$ 9,249,113		\$ 8,166,053		\$ 7,993,728		\$ 52,192,717		\$ 93,392,789	
31	Medium-Large Commercial	\$ 25,321,238		\$ 37,953,345		\$ 35,806,026		\$ 36,334,004		\$ 28,805,258		\$ 27,077,373		\$ 191,297,244		\$ 353,557,335	
32	Agricultural (PA and TOU-PA)	\$ 229,375		\$ 245,686		\$ 222,300		\$ 228,348		\$ 184,807		\$ 147,135		\$ 1,257,652		\$ 2,150,114	
33	Agricultural (PA-T-1)	\$ 280,383		\$ 548,549		\$ 533,634		\$ 405,611		\$ 432,652		\$ 458,427		\$ 2,659,255		\$ 4,971,794	
34	Street Lighting	\$ 232,750		\$ 166,483		\$ 231,732		\$ 290,572		\$ 234,193		\$ 162,765		\$ 1,318,494		\$ 2,616,391	
35	Standby Customers	\$ -		\$ 1,063,979		\$ 1,053,032		\$ 1,048,839		\$ 1,042,179		\$ 1,059,875		\$ 6,320,953		\$ 12,490,453	
36	TOTAL	\$ 33,699,833		\$ 26,665,601		\$ 37,392,709		\$ 34,860,946		\$ 30,932,026		\$ 32,595,842		\$ 200,277,453		\$ 371,019,583	
44	Grand Total	\$ 60,365,434		\$ 80,306,909		\$ 74,195,248		\$ 72,649,400		\$ 61,212,116		\$ 61,055,516		\$ 409,784,623		\$ 758,592,074	

Note: The above revenues were derived by multiplying the above rates and billing determinants except Medium & Large C-1, Agricultural PA-T-1, and Standby Customers where these revenues are derived on pages 4-9.

Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
Section 3.2.3															
SAN DIEGO GAS AND ELECTRIC COMPANY															
T04-Cycle 5 Annual Transmission Formulaic Rate Filing															
SUMMARY of CAISO WHOLESALE True-Up Revenues															
For the 12-Month Period January 2016 through December 2016															
True-Up Period (1/1/2016 - 12/31/2016)															
Medium & Large Commercial and Industrial Customer															
1	On-Peak Demand (KW):														
2	Secondary	1,273,628	1,121,626	1,465,682	1,441,468	1,266,888	1,486,892	1,239,674	2,102,790	1,672,097	1,839,598	1,525,483	1,334,815	17,770,639	Section 3.2.3, Page 10.3; Ln. 113 x 1000
3	Primary	238,174	225,189	533,711	270,867	286,225	338,497	377,768	364,897	615,023	506,267	386,109	326,607	4,469,333	Section 3.2.3, Page 10.3; Ln. 117 x 1000
4	Transmission	44,344	37,851	31,922	33,838	25,779	55,346	26,367	30,193	75,770	64,350	33,124	33,342	492,225	Section 3.2.3, Page 10.3; Ln. 119 x 1000
5	Total	1,556,147	1,384,666	2,031,315	1,746,172	1,578,892	1,880,735	1,643,808	2,497,880	2,362,890	2,410,215	1,944,715	1,694,763	22,732,197	Sum Lines 2, 3, 4
6	Maximum On-Peak Demand Rates Per (SKW):														
7	Secondary	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 0.6543811530	\$ 0.6543811530		Section 3.2.3, Page 14; Lines 1181.2
8	Primary	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 0.6543811530	\$ 0.6543811530		Section 3.2.3, Page 14; Lines 1181.2
9	Transmission	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 0.6543811530	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 2.1614442586	\$ 0.6543811530	\$ 0.6543811530		Section 3.2.3, Page 14; Lines 1181.2
10															
11	Revenues @ Calculated Rates:														
12	Secondary	\$ 833,438	\$ 733,971	\$ 959,115	\$ 943,269	\$ 2,738,307	\$ 3,213,835	\$ 2,679,485	\$ 4,545,063	\$ 3,614,145	\$ 3,976,188	\$ 998,247	\$ 873,478	\$ 26,108,541	Line 2 x Line 8
13	Primary	\$ 155,857	\$ 147,359	\$ 349,250	\$ 177,250	\$ 618,660	\$ 731,641	\$ 816,524	\$ 788,704	\$ 1,329,338	\$ 1,094,269	\$ 252,662	\$ 213,725	\$ 6,675,240	Line 3 x Line 9
14	Transmission	\$ 29,018	\$ 24,769	\$ 20,889	\$ 22,143	\$ 55,719	\$ 119,627	\$ 56,991	\$ 65,261	\$ 163,773	\$ 139,083	\$ 21,675	\$ 21,818	\$ 740,772	Line 4 x Line 10
15	Total	\$ 1,018,313	\$ 906,099	\$ 1,329,254	\$ 1,142,662	\$ 3,412,686	\$ 4,065,104	\$ 3,553,000	\$ 5,399,028	\$ 5,107,255	\$ 5,209,546	\$ 1,272,585	\$ 1,109,021	\$ 33,524,552	Sum Lines 13; 14; 15
16	Total Revenues @ Calculated Rates:														
17		\$ 1,018,313	\$ 906,099	\$ 1,329,254	\$ 1,142,662	\$ 3,412,686	\$ 4,065,104	\$ 3,553,000	\$ 5,399,028	\$ 5,107,255	\$ 5,209,546	\$ 1,272,585	\$ 1,109,021	\$ 33,524,552	Line 16
18															
1	Maximum On-Peak Demand Rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, AL-TOU-DER and DG-R.														

Section 3.2.3															
SAN DIEGO GAS AND ELECTRIC COMPANY															
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing															
SUMMARY of CAISO WHOLESALE True-Up Revenues															
For the 12-Month Period January 2016 through December 2016															
True-Up Period (1/1/2016 - 12/31/2016)															
Standby Customers															
Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
1	Demand - Billing Determinants (KW):														
2	Secondary	10,243	10,247	10,247	10,247	10,221	10,182	10,156	10,131	10,131	12,123	12,053	12,053	128,031	Section 3.2.3; Page 10.5; Ln. 211 x 1000
3	Primary	97,582	98,546	100,120	102,941	106,517	108,145	108,168	106,350	106,350	103,329	102,903	105,885	1,246,837	Section 3.2.3; Page 10.5; Ln. 215 x 1000
4	Transmission	59,989	59,989	60,501	60,501	60,514	60,465	60,549	60,551	60,554	60,876	60,252	60,245	724,986	Section 3.2.3; Page 10.5; Ln. 217 x 1000
5	Total	167,813	168,782	170,868	173,689	177,252	178,792	178,873	177,032	177,035	176,328	175,208	178,183	2,099,854	Sum Lines 2; 3; 4
6															
7	Demand Rates Per (\$/KW):														
8	Secondary	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885	\$ 5,9463740885		Section 3.2.3; Page 14; Line 25
9	Primary	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211	\$ 5,9482763211		Section 3.2.3; Page 14; Line 25
10	Transmission	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283	\$ 5,9485293283		Section 3.2.3; Page 14; Line 25
11															
12	Revenues at Present Rates:														
13	Secondary	\$ 60,907	\$ 60,931	\$ 60,931	\$ 60,931	\$ 60,776	\$ 60,346	\$ 60,390	\$ 60,241	\$ 60,241	\$ 72,087	\$ 71,670	\$ 71,670	\$ 761,322	Line 2 x Line 8
14	Primary	\$ 580,442	\$ 586,178	\$ 595,540	\$ 612,321	\$ 633,593	\$ 643,279	\$ 643,412	\$ 632,601	\$ 632,601	\$ 614,630	\$ 612,098	\$ 629,835	\$ 7,416,531	Line 3 x Line 9
15	Transmission	\$ 356,846	\$ 356,846	\$ 359,892	\$ 359,892	\$ 359,969	\$ 359,678	\$ 360,178	\$ 360,189	\$ 360,207	\$ 362,123	\$ 358,411	\$ 358,369	\$ 4,312,600	Line 4 x Line 10
16	Total	\$ 998,195	\$ 1,003,956	\$ 1,016,363	\$ 1,033,144	\$ 1,054,338	\$ 1,063,503	\$ 1,063,979	\$ 1,053,032	\$ 1,053,049	\$ 1,048,839	\$ 1,042,179	\$ 1,059,875	\$ 12,490,453	Sum Lines 13; 14; 15
17															
18	Total Revenues at Present Rates	\$ 998,195	\$ 1,003,956	\$ 1,016,363	\$ 1,033,144	\$ 1,054,338	\$ 1,063,503	\$ 1,063,979	\$ 1,053,032	\$ 1,053,049	\$ 1,048,839	\$ 1,042,179	\$ 1,059,875	\$ 12,490,453	Line 16

Section 3.2.3

San Diego Gas & Electric

FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016

Line No.	Description	San Diego Gas & Electric												Total
		TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	
1	SDG&E System Delivery Determinants	148,880	127,165	166,698	141,217	163,113	174,109	163,158	227,734	207,961	182,583	178,730	2,088,145	7
2	Customer Class Deliveries (MWh)	664,377	543,082	483,029	468,679	461,031	493,972	599,837	697,278	625,433	580,239	516,743	558,579	3
3	Residential	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	4
4	Transmission Level Adjustment Factor	694,739	567,901	505,103	490,097	482,100	516,546	627,249	729,144	654,016	606,756	540,358	584,106	5
5	Residential @ Transmission Level	148,880	127,165	166,698	141,217	163,113	174,109	163,158	227,734	207,961	182,583	178,730	2,088,145	6
6	Small Commercial	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	8
7	Transmission Level Adjustment Factor	155,683	132,976	174,316	147,671	170,567	182,066	170,614	238,141	217,465	190,927	186,898	2,183,573	9
8	Small Commercial @ Transmission Level	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	11
9	Med. & Large Comm./Ind. (AD)	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	12
10	Transmission Level Adjustment Factor	2,919	2,589	3,102	2,791	2,651	2,811	2,930	3,505	3,838	3,342	3,105	2,787	13
11	Med&Lrg C/I (AD)@Trans. Level	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	14
12	Med. & Large Comm./Ind. (AY + AL + DGR)	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	15
13	Transmission Level Adjustment Factor	48,359	44,650	117,570	74,076	69,531	66,572	61,364	52,271	64,686	75,686	68,253	64,586	16
14	Med. & Large Comm./Ind. (A6) @ Trans Level	723,183	625,709	907,908	743,857	672,636	733,475	668,016	994,870	947,096	916,699	807,014	749,697	17
15	Med. & Large Comm./Ind. (A6)	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	18
16	Transmission Level Adjustment Factor	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	1,035,60	19
17	Med. & Large Comm./Ind. (A6) @ Trans Level	4,818	5,690	6,216	6,607	7,401	8,665	10,126	10,846	9,813	10,080	8,158	6,495	20
18	Agriculture (PA + TOU-PA)	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	21
19	Transmission Level Adjustment Factor	5,024	5,935	6,483	6,890	7,718	9,037	10,560	11,311	10,234	10,513	8,508	6,774	22
20	Agriculture (PA + TOU-PA) @ Trans Level	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	23
21	Agriculture (PA-T-1)	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	1,042,90	24
22	Transmission Level Adjustment Factor	18,534	15,629	15,724	21,985	15,885	17,517	15,987	29,485	28,740	21,822	20,345	21,491	25
23	Agriculture (PA-T-1) @ Trans Level	5,134	6,639	7,022	7,151	7,670	6,664	7,223	5,167	7,192	9,018	7,268	5,051	26
24	Lighting	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	1,045,70	27
25	Transmission Level Adjustment Factor	5,368	6,943	7,343	7,478	8,020	6,968	7,553	5,403	7,520	9,430	7,600	5,282	28
26	Street Lighting @ Transmission Level	6,0	6,2	6,0	9,2	10,4	9,8	10,3	4,6	8,6	10,2	6,6	9,3	29
27	Sale for Resale	1,588,820	1,347,380	1,671,268	1,437,249	1,373,663	1,475,469	1,502,812	1,983,829	1,858,668	1,788,562	1,582,439	1,558,448	30
28	Total System Delivery@Meter Exclude Resale	1,653,810	1,402,332	1,737,549	1,494,846	1,429,109	1,534,993	1,564,274	2,064,129	1,933,595	1,860,497	1,646,109	1,621,621	31
29	Total System Delivery@Trans. Exclude Resale													32
30	Med. & Large Comm./Ind.													33
31	Rate Schedule Billing Determinants													34
32	Schedule AD: Applicable to 100% NCD	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35
33	Total Deliveries (MWh)	6,998,116	6,998,116	6,998,116	6,998,116	6,998,116	6,998,116	6,998,116	6,998,116	6,998,116	6,998,116	6,998,116	6,998,116	36
34														37
35														38
36														39
37														40
38														41
39														42
40														43
41														44
42														45
43														46

Section 3.2.3

San Diego Gas & Electric

FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016

Line No.	Line No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
44	Total Deliveries (%)													
45	% @ Secondary Service	97.54%	97.16%	97.88%	97.58%	97.49%	100.00%	100.00%	100.00%	100.00%	97.74%	97.72%	97.60%	97.58%
46	% @ Primary Service	2.46%	2.84%	2.12%	2.42%	2.51%	0.00%	0.00%	0.00%	0.00%	2.26%	2.28%	2.40%	2.42%
47	% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
48	Total Deliveries (MWh)													
50	MWh @ Secondary Service	2,749	2,429	2,932	2,630	2,496	2,715	2,830	3,385	3,394	3,155	2,930	2,627	34,270
51	MWh @ Primary Service	69	71	64	65	64	0	0	0	311	73	68	64	850
52	MWh @ Transmission Service	0	0	0	0	0	0	0	0	0	0	0	0	0
53		2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
54	Non-Coincident Demand (%)													
55	% @ Secondary Service	0.4000%	0.4225%	0.4298%	0.4180%	0.4420%	0.4208%	0.4434%	0.4016%	0.4456%	0.4432%	0.4493%	0.4438%	0.4300%
56	% @ Primary Service	0.2126%	0.2031%	0.2271%	0.2161%	0.2042%	0.0000%	0.0000%	0.0000%	0.2132%	0.2325%	0.2204%	0.1985%	0.2140%
57	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
58														
59	Non-Coincident Demand (MW)													
60	MW @ Secondary Service	10.996	10.262	12.602	10.992	11.031	11.423	12.547	13.594	15.125	13.981	13.163	11.660	147.375
61	Transmission Level Adjustment Factor	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570	1.04570
62	Non-Coincident Demand @ Transmission Level	11.498	10.731	13.178	11.494	11.535	11.945	13.120	14.215	15.817	14.620	13.764	12.193	154.110
63														
64	MW @ Primary Service	0.147	0.144	0.144	0.141	0.131	0.000	0.000	0.000	0.664	0.170	0.150	0.128	1.820
65	Transmission Level Adjustment Factor	1.0108	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080	1.01080
66	Non-Coincident Demand @ Transmission Level	0.149	0.146	0.146	0.142	0.133	0.000	0.000	0.000	0.671	0.171	0.152	0.129	1.839
67														
68	MW @ Transmission Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69	Non-Coincident Demand @ Meter Level	11.143	10.406	12.746	11.133	11.163	11.423	12.547	13.594	15.789	14.150	13.313	11.788	149.195
70	Non-Coincident Demand @ Transmission Level	11.647	10.877	13.323	11.637	11.668	11.945	13.120	14.215	16.487	14.791	13.916	12.322	155.949
71														
72														
73	Schedules AI-TOU / AY-TOU / DG-R:													
74	Applicable to 90% NCD - Total Deliveries (MWh)	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
75														
76	Total Deliveries (%)													
77	% @ Secondary Service	80.56%	78.69%	69.27%	82.72%	78.11%	76.48%	72.79%	80.57%	66.99%	73.88%	75.25%	76.58%	75.72%
78	% @ Primary Service	16.16%	18.66%	29.61%	15.95%	20.97%	21.58%	27.25%	18.77%	30.05%	24.17%	23.60%	21.77%	22.64%
79	% @ Transmission Service	3.28%	2.65%	1.12%	1.33%	0.92%	1.94%	-0.04%	0.66%	2.96%	1.95%	1.16%	1.66%	1.63%
80	Total Deliveries (MWh)													
81	MWh @ Secondary Service	562,571	475,447	607,291	594,169	507,337	541,680	469,504	774,015	612,652	653,979	586,367	554,379	6,939,391
82	MWh @ Primary Service	112,849	112,744	259,591	114,567	136,204	152,843	175,791	180,319	274,820	213,950	183,907	157,566	2,075,152
83	MWh @ Transmission Service	22,905	16,011	9,819	9,553	5,976	13,740	-240	6,340	27,070	17,261	9,001	11,983	149,421
84		698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
85														
86														

Section 3.2.3 San Diego Gas & Electric																
FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016																
Line No.		W	W	W	W	S	S	S	S	S	S	S	S	S	W	W
132	Total Deliveries (MWh)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	MWh @ Secondary Service	8,849	8,076	8,117	10,522	9,487	12,169	9,410	12,588	11,106	9,158	9,347	11,584	120,413	134	
134	MWh @ Primary Service	37,848	35,040	105,412	61,008	57,654	52,115	49,845	37,886	51,357	63,927	56,559	50,782	659,433	135	
136	MWh @ Transmission Service	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846	136	
137	Non-Coincident Demand (%)															
138	% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	138	
139	% @ Primary Service	0.1553%	0.1584%	0.1608%	0.2556%	0.1453%	0.1530%	0.1790%	0.2072%	0.1871%	0.1705%	0.2185%	0.2396%	0.1880%	139	
140	% @ Transmission Service	0.1869%	0.1554%	0.1549%	0.1808%	0.1606%	0.1624%	0.1855%	0.1817%	0.1839%	0.1713%	0.1778%	0.1849%	0.1722%	140	
141															141	
142	Non-Coincident Demand (MW)															
143	MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	143	
144	Transmission Level Adjustment Factor	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	144	
145	Non-Coincident Demand @ Transmission Level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	145	
146															146	
147	MW @ Primary Service	13,743	12,792	13,053	26,894	13,785	18,618	16,843	26,083	20,779	15,614	20,422	27,759	226,384	147	
148	Transmission Level Adjustment Factor	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	148	
149	Non-Coincident Demand @ Transmission Level	13,891	12,930	13,194	27,185	13,934	18,819	17,025	26,364	21,003	15,782	20,643	28,058	228,829	149	
150															150	
151	MW @ Transmission Service	70,738	54,452	163,283	110,303	92,593	84,634	92,463	68,838	94,445	109,508	100,542	93,882	1,135,681	151	
152	Non-Coincident Demand @ Meter Level	84,480	67,244	176,336	137,197	106,378	103,253	109,307	94,921	115,224	125,121	120,964	121,640	1,362,065	152	
153	Non-Coincident Demand @ Transmission Level	84,629	67,382	176,477	137,488	106,527	103,454	109,489	95,203	115,448	125,290	121,185	121,940	1,364,510	153	
154															154	
155	Coincident Peak Demand (%)															
156	% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	156	
157	% @ Primary Service	0.1788%	0.1302%	0.1494%	0.1169%	0.1426%	0.1719%	0.1079%	0.1670%	0.1598%	0.1072%	0.1054%	0.1377%	0.1410%	157	
158	% @ Transmission Service	0.1209%	0.1493%	0.1446%	0.1356%	0.1462%	0.1376%	0.1696%	0.1411%	0.1436%	0.1565%	0.1591%	0.1209%	0.1444%	158	
159															159	
160	Coincident Peak Demand (MW)															
161	MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	161	
162	Transmission Level Adjustment Factor	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	162	
163	Coincident Peak Demand @ Transmission Level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	163	
164															164	
165	MW @ Primary Service	15,822	10,514	12,127	12,300	13,529	20,918	10,153	21,022	17,747	9,817	9,851	15,952	169,754	165	
166	Transmission Level Adjustment Factor	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	166	
167	Coincident Peak Demand @ Transmission Level	15,993	10,628	12,258	12,433	13,675	21,144	10,263	21,249	17,939	9,923	9,957	16,124	171,587	167	
168															168	
169	MW @ Transmission Service	45,758	52,315	152,426	82,727	84,291	71,710	84,538	53,457	73,748	100,046	90,001	61,404	952,420	169	
170	Coincident Peak Demand @ Meter Level	61,580	62,829	164,553	95,027	97,819	92,628	94,691	74,479	91,495	109,863	99,852	77,356	1,122,173	170	
171	Coincident Peak Demand @ Transmission Level	61,751	62,943	164,684	95,160	97,965	92,854	94,801	74,706	91,687	109,969	99,958	77,528	1,124,007	171	
172															172	
173															173	
174	Agriculture														174	
175	Rate Schedule Billing Determinants														175	
176		TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	176	

Section 3.2.3

San Diego Gas & Electric

FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016

Line No.	Schedule PA-T-I:	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
177	Total Deliveries (MWh)	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
178														
179	Total Deliveries (%)													
180	% @ Secondary Service	90.50%	77.23%	89.23%	73.29%	85.14%	89.19%	137.65%	72.19%	65.09%	80.59%	65.03%	78.91%	81.40%
181	% @ Primary Service	9.50%	22.77%	10.77%	26.71%	14.86%	10.81%	-37.65%	27.81%	34.91%	19.41%	34.97%	21.09%	18.60%
182	% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
183		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
184	Total Deliveries (MWh)													
185	MWh @ Secondary Service	16,083	11,574	13,453	15,450	12,968	14,981	21,101	20,409	17,937	16,863	12,687	16,260	189,766
186	MWh @ Primary Service	1,688	3,412	1,624	5,631	2,263	1,816	-5,771	7,862	9,620	4,061	6,821	4,347	43,375
187	MWh @ Transmission Service	0	0	0	0	0	0	0	0	0	0	0	0	0
188		17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
189														
190	Non-Coincident Demand (%)													
191	% @ Secondary Service	0.4552%	0.5044%	0.4410%	0.4210%	0.4102%	0.4058%	0.3315%	0.3496%	0.3363%	0.3711%	0.4093%	0.4236%	0.3978%
192	% @ Primary Service	0.4250%	0.4091%	0.3879%	0.3947%	0.2544%	0.4378%	0.3167%	0.4070%	0.4213%	0.3325%	0.4360%	0.3949%	0.4104%
193	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
194														
195	Non-Coincident Demand (MW)													
196	MW @ Secondary Service	73.212	58.377	59.328	65.044	53.195	60.791	69.949	71.351	60.324	62.577	51.924	68.885	754.957
197	Transmission Level Adjustment Factor	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457
198	Non-Coincident Demand @ Transmission Level	76.558	61.045	62.040	68.016	55.626	63.570	73.145	74.612	63.080	65.437	54.296	72.033	789.458
199														
200	MW @ Primary Service	7.175	13.960	6.299	22.224	5.758	7.949	-18.278	32.000	40.531	13.504	29.742	17.166	178.029
201	Transmission Level Adjustment Factor	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108
202	Non-Coincident Demand @ Transmission Level	7.253	14.110	6.367	22.464	5.820	8.035	-18.476	32.345	40.969	13.650	30.063	17.352	179.952
203														
204	MW @ Transmission Service													
205	Non-Coincident Demand @ Meter Level	80.387	72.337	65.627	87.267	58.954	68.740	51.670	103.351	100.854	76.081	81.665	86.052	932.986
206	Non-Coincident Demand @ Transmission Level	83.811	75.155	68.406	90.480	61.447	71.604	54.670	106.957	104.049	79.087	84.359	89.385	969.410
207	Schedule S: Standby Determinants:													
208	Contracted Standby Demand (MW)													
209	MW @ Secondary Service	9.795	9.799	9.799	9.799	9.774	9.737	9.712	9.688	9.688	11.593	11.526	11.526	122.436
210	Transmission Level Adjustment Factor	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457	1.0457
211	Standby Demand @ Transmission Level	10.243	10.247	10.247	10.247	10.221	10.182	10.156	10.131	10.131	12.123	12.053	12.053	128.031
212														
213	MW @ Primary Service	96.539	97.493	99.05	101.841	105.379	106.99	107.012	105.214	105.214	102.225	101.804	104.754	1,233.515
214	Transmission Level Adjustment Factor	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108	1.0108
215	Standby Demand @ Transmission Level	97.582	98.546	100.120	102.941	106.517	108.145	108.168	106.350	106.350	103.329	102.903	105.885	1,246.837
216														
217	MW @ Transmission Service													
218	Standby Demand @ Meter Level	166.323	167.281	169.35	172.141	175.667	177.192	177.273	175.453	175.456	174.694	173.582	176.525	2,080.937
219	Standby Demand @ Transmission Level	167.813	168.782	170.868	173.689	177.252	178.792	178.873	177.032	177.035	176.328	175.208	178.183	2,099.854
220														

Section 3.2.3															
SAN DIEGO GAS AND ELECTRIC COMPANY															
TO4 Cycle 5 Annual Transmission Formulaic Rate Filing															
SUMMARY of CAISO WHOLESALE True-Up Revenues															
For the 12-Month True-Up Period January 2016 through December 2016															
Billing Determinants @ Transmission Level															
True-Up Period (1/1/2016 - 12/31/2016)															
Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(G) Sub-Total	
		Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)		
1	Residential Customers ¹	694,738,760		567,901,260		505,103,278		490,097,372		482,100,290		516,546,498		3,256,487,459	-
2															2
3	Small Commercial ²	155,683,321		132,975,967		174,316,214		147,671,092		170,566,762		182,066,214		963,279,570	-
4															4
5	Medium-Large Commercial ³	774,460,996	1,982,472	672,948,570	1,763,022	1,028,580,492	2,564,046	820,724,443	2,199,879	744,818,930	1,907,792	802,858,142	2,048,134	4,844,391,574	12,465,345
6															5
7	Agricultural Customers ⁴	23,558,475	83,811	21,563,363	75,155	22,206,657	68,406	28,875,051	90,480	23,603,046	61,447	26,554,034	71,604	146,360,627	450,903
8															7
9	Street Lighting ⁵	5,368,363		6,942,552		7,342,517		7,477,955		8,020,018		6,968,475		42,119,881	-
10															8
11	Sale for Resale ⁶	5,993		6,231		5,954		9,212		10,406		9,837		47,633	-
12															11
13	Standby Customers ⁷		167,813		168,782		170,868		173,689		177,252		178,792	-	1,037,195
14															12
15	TOTAL	1,653,815,910	2,234,096	1,402,337,942	2,006,959	1,737,555,113	2,803,320	1,494,855,126	2,464,048	1,429,119,452	2,146,491	1,535,003,201	2,298,530	9,252,686,743	13,953,444
Notes:															
1	See Section 3.2.3; Page 10.1; Line 5 x 1000.														
2	See Section 3.2.3; Page 10.1; Line 9 x 1000.														
3	See Section 3.2.3; Pages 10.1; 10.2; 10.3; 10.4; (Lines 13, 17, and 21) x 1000; (Lines 70, 103, and 153) x 1000.														
4	See Section 3.2.3; Page 10.1 & 10.5; (Lines 25 and 29) x 1000; Line 206 x 1000.														
5	See Section 3.2.3; Page 10.1; Line 33 x 1000.														
6	See Section 3.2.3; Page 10.1; Line 35 x 1000.														
7	See Section 3.2.3; Page 10.5; Line 219 x 1000.														

Section 3.2.3

SAN DIEGO GAS AND ELECTRIC COMPANY

T04-Cycle 5 Annual Transmission Formulaic Rate Filing

SUMMARY of CAISO WHOLESale True-Up Revenues

For the 12-Month True-Up Period January 2016 through December 2016

Billing Determinants @ Transmission Level

True-Up Period (1/1/2016 - 12/31/2016)

Line No.	Customer Classes	(H) Jul-16		(I) Aug-16		(J) Sep-16		(K) Oct-16		(L) Nov-16		(M) Dec-16		(N) Sub-Total		(O) Grand Total			
		Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)	Energy (kWh)	Demand (kW)
1	Residential Customers ¹	627,249,318		729,143,663		654,015,543		606,755,686		540,357,863		584,105,968		3,741,628,042		6,998,115,501			
2																			
3	Small Commercial ²	170,613,887		238,140,974		217,465,141		216,249,182		190,926,655		186,897,618		1,270,293,457		2,183,573,027			
4																			
5	Medium-Large Commercial ³	732,310,464	1,792,687	1,050,646,423	2,696,177	1,015,619,626	2,537,527	995,728,077	2,569,219	878,371,156	2,287,920	817,069,809	2,159,009	5,489,745,555	14,042,539	10,334,137,129	26,507,885		
6																			
7	Agricultural Customers ⁴	26,546,824	54,670	40,795,484	106,957	38,974,406	104,049	32,334,358	79,087	28,853,422	84,359	28,265,132	89,385	195,769,626	518,507	342,130,253	969,410		
8																			
9	Street Lighting ⁵	7,553,290		5,402,792		7,520,268		9,429,750		7,600,126		5,282,113		42,788,338		84,908,219			
10																			
11	Sale for Resale ⁶	10,310		4,609		8,635		10,162		6,571		9,301		49,588		97,221			
12																			
13	Standby Customers ⁷		178,873		177,032		177,035		176,328		175,208		178,183		1,062,659		2,099,854		
14																			
15	TOTAL	1,564,284,092	2,026,229	2,064,133,946	2,980,166	1,933,603,619	2,818,611	1,860,507,215	2,824,634	1,646,115,793	2,547,488	1,621,629,942	2,426,577	10,690,274,607	15,623,705	19,942,961,350	29,577,149		

Notes:

- 1 See Section 3.2.3; Page 10.1; Line 5 x 1000.
- 2 See Section 3.2.3; Page 10.1; Line 9 x 1000.
- 3 See Section 3.2.3; Pages 10.1; 10.2; 10.3; 10.4; (Lines 13, 17, and 21) x 1000; (Lines 70, 103, and 153) x 1000.
- 4 See Section 3.2.3; Page 10.1 & 10.5; (Lines 25 and 29) x 1000; Line 206 x 1000.
- 5 See Section 3.2.3; Page 10.1; Line 33 x 1000.
- 6 See Section 3.2.3; Page 10.1; Line 35 x 1000.
- 7 See Section 3.2.3; Page 10.5; Line 219 x 1000.

Section 3.2.3

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

SUMMARY of CAISO WHOLESAL E True-Up Revenues

For the 12-Month True-Up Period January 2016 through December 2016

Total Billing Determinants @ Transmission Level

True-Up Period (1/1/2016 - 12/31/2016)

Line No.	Customer Classes	Billing Determinants @ Transmission Level		Line No.
		Energy (kWh)	Demand (kW)	
			(M)	
			12 Months to Date	
1	Residential Customers	6,998,115,501	-	1
2				2
3	Small Commercial	2,183,573,027	-	3
4				4
5	Medium-Large Commercial	10,334,137,129	26,507,885	5
6				6
7	Agricultural	342,130,253	969,410	7
8				8
9	Street Lighting	84,908,219	-	9
10				10
11	Sale for Resale	97,221	-	11
12				12
13	Standby Customers	-	2,099,854	13
14				14
15	TOTAL	19,942,961,350	29,577,149	15

San Diego Gas & Electric Company													Line
FERC Recorded Period: January 2016 - December 2016													No.
													1
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													46
System Delivery													
Determinants													
Customer Class													
Deliveries (MWh)													Total
Residential	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	558,579
	684,377	543,082	483,029	468,679	461,031	493,972	599,837	697,278	625,433	580,239	516,743	558,579	6,692,278
Small Commercial	148,880	127,165	166,698	141,217	163,113	174,109	163,158	227,734	207,961	206,798	182,583	178,730	2,088,145
M. & L. C./I. (AD)	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
M. & L. C./I. (AY, AL, DG-R)	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
M. & L. C./I. (A6)	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
Agriculture (PA and TOU-PA)	4,818	5,690	6,216	6,607	7,401	8,665	10,126	10,846	9,813	10,080	8,158	6,495	94,915
Agriculture (PA-T-1)	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
Lighting	5,134	6,639	7,022	7,151	7,670	6,664	7,223	5,167	7,192	9,018	7,268	5,051	81,197
Sale for Resale	6.0	6.2	6.0	9.2	10.4	9.8	10.3	4.6	8.6	10.2	6.6	9.3	97.2
Total System	1,588,826	1,347,386	1,671,274	1,437,258	1,373,674	1,475,479	1,502,822	1,983,834	1,858,676	1,788,572	1,582,446	1,558,457	19,168,704
Med. & Large Comm./Ind.													
Rate Schedule													
Billing Determinants													
Schedule AD:													
Total Deliveries (MWh)	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
Total Deliveries (%)													
% @ Secondary Service	97.54%	97.16%	97.88%	97.58%	97.49%	100.00%	100.00%	100.00%	91.60%	97.74%	97.72%	97.60%	97.58%
% @ Primary Service	2.46%	2.84%	2.12%	2.42%	2.51%	0.00%	0.00%	0.00%	8.40%	2.26%	2.28%	2.40%	2.42%
% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Deliveries (MWh)	2,749	2,429	2,932	2,630	2,496	2,715	2,830	3,385	3,394	3,155	2,930	2,627	34,270
MWh @ Secondary Service	69	71	64	65	64	0	0	0	311	73	68	64	850
MWh @ Primary Service	0	0	0	0	0	0	0	0	0	0	0	0	0
MWh @ Transmission Service	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
Non-Coincident Demand (%)													
% @ Secondary Service	0.4000%	0.4225%	0.4298%	0.4180%	0.4420%	0.4208%	0.4434%	0.4016%	0.4456%	0.4432%	0.4493%	0.4438%	0.4300%
% @ Primary Service	0.2126%	0.2031%	0.2271%	0.2161%	0.2042%	0.0000%	0.0000%	0.0000%	0.2132%	0.2325%	0.2204%	0.1985%	0.2140%
% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
Non-Coincident Demand (MW)													
MW @ Secondary Service	10.996	10.262	12.602	10.992	11.031	11.423	12.547	13.594	15.125	13.981	13.163	11.660	147.375
MW @ Primary Service	0.147	0.144	0.144	0.141	0.131	0.000	0.000	0.000	0.664	0.170	0.150	0.128	1.820
MW @ Transmission Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	11.143	10.406	12.746	11.133	11.163	11.423	12.547	13.594	15.789	14.150	13.313	11.788	149.195

San Diego Gas & Electric Company
FERC Recorded Period: January 2016 - December 2016

Line No.	Schedules	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
47	<u>AL-TOU / AX-TOU / DG-R:</u>													
48	<u>Total Deliveries (MWh)</u>	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
49	<u>Total Deliveries (%)</u>													
50	% @ Secondary Service	80.56%	78.69%	69.27%	82.72%	78.11%	76.48%	72.79%	80.57%	66.99%	73.88%	75.25%	76.58%	75.72%
51	% @ Primary Service	16.16%	18.66%	29.61%	15.95%	20.97%	21.58%	27.25%	18.77%	30.05%	24.17%	23.60%	21.77%	22.64%
52	% @ Transmission Service	3.28%	2.65%	1.12%	1.33%	0.92%	1.94%	-0.04%	0.66%	2.96%	1.95%	1.16%	1.66%	1.63%
53		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
54	<u>Total Deliveries (MWh)</u>													
55	MWh @ Secondary Service	562,571	475,447	607,291	594,169	507,337	541,680	469,504	774,015	612,652	653,979	586,367	554,379	6,939,391
56	MWh @ Primary Service	112,849	112,744	259,591	114,567	136,204	152,843	175,791	180,319	274,820	213,950	183,907	157,566	2,075,152
57	MWh @ Transmission Service	22,905	16,011	9,819	9,553	5,976	13,740	-240	6,340	27,070	17,261	9,001	11,983	149,421
58		698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
59	<u>Non-Coincident Demand (%)</u>													
60	% @ Secondary Service	0.2717%	0.2842%	0.2858%	0.2770%	0.2777%	0.2791%	0.2669%	0.2754%	0.2743%	0.2823%	0.2862%	0.2859%	0.2789%
61	% @ Primary Service	0.2278%	0.2186%	0.2052%	0.2664%	0.2181%	0.2106%	0.2002%	0.1885%	0.2156%	0.2150%	0.2063%	0.2194%	0.2135%
62	% @ Transmission Service	0.1222%	0.1416%	0.2124%	0.2218%	0.2689%	0.1925%	-1.6554%	0.2229%	0.1824%	0.1948%	0.1592%	0.1489%	0.1797%
63														
64	<u>Non-Coincident Demand (MW)</u>													
65	MW @ Secondary Service	1,528.506	1,351.220	1,735.637	1,645.847	1,408.875	1,511.830	1,253.105	2,131.639	1,680.505	1,846.182	1,678.282	1,584.990	19,356.617
66	MW @ Primary Service	257.071	246.459	532.681	305.207	297.060	321.888	351.933	339.901	592.512	459.994	379.412	345.749	4,429.867
67	MW @ Transmission Service	27.990	22.672	20.856	21.189	16.068	26.450	3.972	14.133	49.377	33.625	14.330	17.840	268.501
68		1,813.567	1,620.351	2,289.174	1,972.243	1,722.003	1,860.168	1,609.011	2,485.672	2,322.393	2,339.800	2,072.024	1,948.579	24,054.986
69	<u>On-Peak Demand (%)</u>													
70	% @ Secondary Service	0.2165%	0.2256%	0.2308%	0.2320%	0.2388%	0.2625%	0.2525%	0.2598%	0.2610%	0.2690%	0.2488%	0.2303%	0.2449%
71	% @ Primary Service	0.2088%	0.1976%	0.2034%	0.2339%	0.2079%	0.2191%	0.2126%	0.2002%	0.2214%	0.2341%	0.2077%	0.2051%	0.2131%
72	% @ Transmission Service	0.1936%	0.2364%	0.3251%	0.3542%	0.4314%	0.4028%	-10.9881%	0.4762%	0.2799%	0.3728%	0.3680%	0.2782%	0.3294%
73														
74	<u>On-Peak Demand (MW)</u>													
75	MW @ Secondary Service	1,217.967	1,072.608	1,401.627	1,378.472	1,211.521	1,421.911	1,185.496	2,010.892	1,599.022	1,759.202	1,458.815	1,276.479	16,994.013
76	MW @ Primary Service	235.630	222.782	528.009	267.972	283.167	334.880	373.731	360.998	608.452	500.858	381.984	323.117	4,421.580
77	MW @ Transmission Service	44.344	37.851	31.922	33.838	25.779	55.346	26.367	30.193	75.770	64.350	33.124	33.342	492.225
78		1,497.941	1,333.241	1,961.558	1,680.282	1,520.467	1,812.137	1,585.595	2,402.083	2,283.244	2,324.410	1,873.922	1,632.938	21,907.817
79														
80														
81														
82														
83														
84														
85														

San Diego Gas & Electric Company													
FERC Recorded Period: January 2016 - December 2016													
Line No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
Schedule A6-TOU:													
Total Deliveries (MWh)	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
Total Deliveries (%)													
% @ Secondary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
% @ Primary Service	18.95%	18.73%	7.15%	14.71%	14.13%	18.93%	15.88%	24.94%	17.78%	12.53%	14.18%	18.57%	15.44%
% @ Transmission Service	81.05%	81.27%	92.85%	85.29%	85.87%	81.07%	84.12%	75.06%	82.22%	87.47%	85.82%	81.43%	84.56%
100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Total Deliveries (MWh)													
MWh @ Secondary Service	0	0	0	0	0	0	0	0	0	0	0	0	0
MWh @ Primary Service	8,849	8,076	8,117	10,522	9,487	12,169	9,410	12,588	11,106	9,158	9,347	11,584	120,413
MWh @ Transmission Service	37,848	35,040	105,412	61,008	57,654	52,115	49,845	37,886	51,357	63,927	56,559	50,782	659,433
46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846	
Non-Coincident Demand (%)													
% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
% @ Primary Service	0.1553%	0.1584%	0.1608%	0.2556%	0.1453%	0.1530%	0.1790%	0.2072%	0.1871%	0.1705%	0.2185%	0.2396%	0.1880%
% @ Transmission Service	0.1869%	0.1554%	0.1549%	0.1808%	0.1606%	0.1624%	0.1855%	0.1817%	0.1839%	0.1713%	0.1778%	0.1849%	0.1722%
Non-Coincident Demand (MW)													
MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MW @ Primary Service	13.743	12.792	13.053	26.894	13.785	18.618	16.843	26.083	20.779	15.614	20.422	27.759	226.384
MW @ Transmission Service	70.738	54.452	163.283	110.303	92.593	84.634	92.463	68.338	94.445	109.508	100.542	93.882	1,135.681
84.480	67.244	176.336	137.197	106.378	103.253	109.307	94.921	115.224	125.121	120.964	121.640	1,362.065	
Coincident Peak Demand (%)													
% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
% @ Primary Service	0.1788%	0.1302%	0.1494%	0.1169%	0.1426%	0.1719%	0.1079%	0.1670%	0.1598%	0.1072%	0.1054%	0.1377%	0.1410%
% @ Transmission Service	0.1209%	0.1493%	0.1446%	0.1356%	0.1462%	0.1376%	0.1696%	0.1411%	0.1436%	0.1565%	0.1591%	0.1209%	0.1444%
Coincident Peak Demand (MW)													
MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MW @ Primary Service	15.822	10.514	12.127	12.300	13.529	20.918	10.153	21.022	17.747	9.817	9.851	15.952	169.754
MW @ Transmission Service	45.758	52.315	152.426	82.727	84.291	71.710	84.538	53.457	73.748	100.046	90.001	61.404	952.420
61.580	62.829	164.553	95.027	97.819	92.628	94.691	74.479	91.495	109.863	99.852	77.356	1,122.173	
Med. & Large Comm./Ind. Class Total:													
Total Deliveries (MWh)	747,841	649,818	993,226	792,514	719,218	775,262	707,139	1,014,533	980,710	961,503	848,180	788,985	9,978,930
Total Deliveries (MWh)													
MWh @ Secondary Service	565,320	477,876	610,223	596,798	509,833	544,395	472,333	777,400	616,046	657,133	589,297	557,006	6,973,661
MWh @ Primary Service	121,768	120,891	267,772	125,154	145,755	165,012	185,201	192,907	286,237	223,181	193,323	169,215	2,196,415
MWh @ Transmission Service	60,753	51,051	115,231	70,561	63,630	65,855	49,606	44,226	78,427	81,189	65,560	62,764	808,854
747,841	649,818	993,226	792,514	719,218	775,262	707,139	1,014,533	980,710	961,503	848,180	788,985	9,978,930	

San Diego Gas & Electric Company													
FERC Recorded Period: January 2016 - December 2016													
Line No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
Non-Coincident Demand (MW)													
MW @ Secondary Service	1,539,502	1,361,482	1,748,239	1,656,840	1,419,907	1,523,253	1,265,652	2,145,232	1,695,630	1,860,162	1,691,445	1,596,649	19,503,992
MW @ Primary Service	270,961	259,395	545,878	332,242	310,976	340,507	368,777	365,983	613,955	475,777	399,985	373,636	4,658,070
MW @ Transmission Service	98,728	77,124	184,139	131,492	108,661	111,084	96,436	82,971	143,821	143,132	114,872	111,722	1,404,182
	1,909,191	1,698,001	2,478,256	2,120,574	1,839,544	1,974,843	1,730,864	2,594,187	2,453,406	2,479,072	2,206,302	2,082,007	25,566,245
	136												
	137												
Schedule PA-T-I:													
Total Deliveries (MWh)	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
Total Deliveries (%)													
% @ Secondary Service	90.50%	77.23%	89.23%	73.29%	85.14%	89.19%	137.65%	72.19%	65.09%	80.59%	65.03%	78.91%	81.40%
% @ Primary Service	9.50%	22.77%	10.77%	26.71%	14.86%	10.81%	-37.65%	27.81%	34.91%	19.41%	34.97%	21.09%	18.60%
% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Deliveries (MWh)													
MWh @ Secondary Service	16,083	11,574	13,453	15,450	12,968	14,981	21,101	20,409	17,937	16,863	12,687	16,260	189,766
MWh @ Primary Service	1,688	3,412	1,624	5,631	2,263	1,816	-5,771	7,862	9,620	4,061	6,821	4,347	43,375
MWh @ Transmission Service	0	0	0	0	0	0	0	0	0	0	0	0	0
	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
	151												
Non-Coincident Demand (%)													
% @ Secondary Service	0.4552%	0.5044%	0.4410%	0.4210%	0.4102%	0.4058%	0.3315%	0.3496%	0.3363%	0.3711%	0.4093%	0.4236%	0.3978%
% @ Primary Service	0.4250%	0.4091%	0.3879%	0.3947%	0.2544%	0.4378%	0.3167%	0.4070%	0.4213%	0.3325%	0.4360%	0.3949%	0.4104%
% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	155												
	156												
Non-Coincident Demand (MW)													
MW @ Secondary Service	73,212	58,377	59,328	65,044	53,195	60,791	69,949	71,351	60,324	62,577	51,924	68,885	754,957
MW @ Primary Service	7,175	13,960	6,299	22,224	5,758	7,949	-18,278	32,000	40,531	13,504	29,742	17,166	178,029
MW @ Transmission Service	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
	80,387	72,337	65,627	87,267	58,954	68,740	51,670	103,351	100,854	76,081	81,665	86,052	932,986
	161												
	162												
	163												
	164												
Schedule S													
Standby Determinants:													
Standby Demand (MW)													
MW @ Secondary Service	9,795	9,799	9,799	9,799	9,774	9,737	9,712	9,688	9,688	11,593	11,526	11,526	122,436
MW @ Primary Service	96,539	97,493	99,05	101,841	105,379	106,99	107,012	105,214	105,214	102,225	101,804	104,754	1,233,515
MW @ Transmission Service	59,989	59,989	60,501	60,501	60,514	60,465	60,549	60,551	60,554	60,876	60,252	60,245	724,986
	166,323	167,281	169,350	172,141	175,667	177,192	177,273	175,453	175,456	174,694	173,582	176,525	2,080,937
	171												
	172												

San Diego Gas & Electric Company

Section 3.3.1

Derivation of CAISO Wholesale Cost of Service (COS) for the 12-Month True-Up Period

Docket No. ER18-____-____

San Diego Gas & Electric Company
Statement BK-2
Derivation of CAISO Total Base Transmission Revenue Requirements
For the Base Period & True-Up Period Ending December 31, 2016
(\$1,000)

Line No.	Amounts	Reference	Line No.
1	\$ 676,005	Statement BK-1; Page 1; Line 60	1
2			2
3			3
4	-	Statement BK-1; Page 1; Line 6	4
5			5
6	-	Statement AL; Page 9; Line 30	6
7			7
8	(2,333)	Statement BK-1; Page 1; Line 26	8
9			9
10	-	Statement BK-1; Page 1; Line 28	10
11			11
12	\$ (2,333)	Sum Lines 4 thru 10	12
13			13
14	673,672	Sum Lines 1; 12	14
15			15
16	-	(Wholesale TU Adj; Total Col; Line 29) / 1,000	16
17			17
18	-	(Wholesale Int TU-1 + Wholesale Int TU-2; Ttl Col; Ln 18) / 1000	18
19			19
20	\$ 673,672	Sum Lines 14 thru 18	20
21			21
22	-	Statement BK-1; Page 4; Line 20	22
23			23
24	-	Statement BK-1; Page 5; Line 20	24
25			25
26	-	Statement BK-1; Page 5; Line 37	26
27			27
28	\$ 673,672	Sum Lines 20 thru 26	28

¹ Total Prior Year Revenues (PYRR) or Base Period Revenue is for 12 months ending the applicable cycle base period.

² This amount represents the Interest True-Up Adjustment on the previous cycle True-Up Adjustment under-collection/(over-collection) balance.

San Diego Gas & Electric Company
Statement BK-2

Derivation of CAISO HV Transmission Facility (BTRR_{CAISO-HV}) & LV Transmission Facility (BTRR_{CAISO-LV}) Revenue Requirements

For the Rate Effective Period January 1, 2018 - December 31, 2018

(\$1,000)

Line No.	Total	Reference			Line No.
A. Derivation of Revenues Related With Total Transmission Facilities:					
1	\$ 673,672	Statement BK-2; Page 1; Line 20			1
2					2
3	-	Statement BK-2; Page 1; Line 22			3
4					4
5	-	Statement BK-2; Page 1; Line 24			5
6					6
7	-	Statement BK-2; Page 1; Line 26			7
8					8
9	\$ 673,672	Sum Lines 1 thru 7			9
10					10
11	B. Derivation of Split Between HV and LV:¹				
12	(a)	(b)	(c)		11
12	Total	High Voltage	Low Voltage	Reference	12
13	1. Percent Split Between HV & LV for Recorded Non-Incentive & Incentive Gross Transmission Plant Facilities and Incentive CWIP:				
14	\$ 4,715,038	\$ 3,088,580	\$ 1,626,458	HV-LV Study, Line 3 below ⁶	14
15	100.00%	65.50%	34.50%	Ratios Based on Line 14	15
16	\$ 673,672	\$ 441,255	\$ 232,417	Line 15 x Line 16; Col A	16
17					17
18	2. Percent Split Between HV and LV of Forecast Plant Adds Applicable to Forecast Period:				
19	\$ -	\$ -	\$ -	Summary of HV-LV Splits for Forecast Plant Adds; Page 1; Line 16	18
20	0.00%	0.00%	0.00%	Ratios Based on Line 19	19
21	\$ -	\$ -	\$ -	Line 20 x Line 21; Col A	20
22					21
22					22
23	C. Summary of CAISO Transmission Facilities by High Voltage and Low Voltage Classification:				
24					23
25	\$ 673,672	\$ 441,255	\$ 232,417	Line 16 From Above	24
26	6,945	4,549	2,396	Line 25 x 1.031%	25
27	\$ 680,617	\$ 445,804	\$ 234,813	Sum Lines 25 thru 26	26
28					27
29	\$ -	\$ -	\$ -	Line 21 From Above	28
30	-	-	-	Line 29 x 1.031%	29
31	\$ -	\$ -	\$ -	Sum Lines 29 thru 30	30
32					31
32					32
33	\$ 680,617	\$ 445,804	\$ 234,813	Line 27 + Line 31	32
33					33

¹ Pursuant to the CAISO's July 5, 2005 filing in compliance with the Commission's December 21, 2004 order, 109 FERC ¶ 61,301 (December 21, Order) and June 2, 2005 Order, 111 FERC ¶ 61,337 (June 2 Order), SDG&E in the instant filing has followed the CAISO's new guidelines to separate all elements of its transmission facilities into HV and LV components. TRBAA cost components shown in the instant filing are separated into the HV and LV components applicable to the CAISO's HV and LV guidelines in effect 1/1/2005 pursuant to CAISO Tariff Appendix F, Sch.3, Section 8.1.

² Use gross plant facilities as of December 31 for the applicable base period.

³ HV-LV plant ratios based upon footnote 2.

⁴ Base franchise fees are applicable to all SDG&E customers.

⁵ The following HV-LV Wholesale Base Transmission Revenue Requirements will be used by the CAISO to develop the TAC rates for the rate effective applicable period.

⁶ Transmission Plant HV/LV Study Classification Summary (\$1,000):

Ln	Total	HV	LV
1	\$ 4,715,038	\$ 3,088,580	\$ 1,626,458
2	-	-	-
3	\$ 4,715,038	\$ 3,088,580	\$ 1,626,458

See HV-LV Study WP

San Diego Gas & Electric Company

Section 3.3.2

Derivation of CAISO Wholesale
True-Up Period Cost of Service Rates
for the 12-Month True-Up Period
(January 2016 – December 2016)

Docket No. ER18-____-____

Section 3.3.2					
SAN DIEGO GAS AND ELECTRIC COMPANY					
TO4-Cycle 5 Annual Informational Filing					
Allocation of TO4-CYCLE-5 CAISO WHOLESALE Cost of Service for the True-Up Period					
(\$000)					
Line No.	Description	(a) 5-Year Average Total 12-Month CPs @ Transmission Level ²	(b) 12-Month CP Allocation Percentages @ Transmission Level ³	(c) Allocated Base Transmission Revenue Amounts	(d) Reference
1	CAISO Wholesale Cost of Service for the True-Up Period ¹			\$ 680,617	Section 3.3.1; Page 2 of 2; Line 33
2					
3	Allocation of CAISO Wholesale Cost of Service Based on 5-Yr Avg. 12-Month CPs.				
4	Residential	16,991,432	42.59%	289,885	Col.C4 = Col (c) Ln1 x Col B. Ln 4
5	Small Commercial	4,226,001	10.59%	72,098	Col.C5 = Col (c) Ln1 x Col B. Ln 5
6	Medium & Large Commercial/Industrial	17,511,646	43.90%	298,760	Col.C6 = Col (c) Ln1 x Col B. Ln 6
7	Agricultural	418,236	1.05%	7,135	Col.C7 = Col (c) Ln1 x Col B. Ln 7
8	Street Lighting Revenues	120,672	0.30%	2,059	Col.C8 = Col (c) Ln1 x Col B. Ln 8
9	Standby Revenues	625,974	1.57%	10,680	Col.C9 = Col (c) Ln1 x Col B. Ln 9
10					
11	Total	39,893,961	100.00%	680,617	Sum Lines 4 thru 9
12					
NOTES:					
1	Statement refers to SDG&E's TO4, Cycle 5, Cost Statements as derived in its Instant Draft Informational Posting, posted on June 15, 2017.				
2	See Cost Statement BK-2; Page 2 of 2; Line 33.				
3	See Section 3.3.2; Page 16; Column (C); Lines 2 through 21.				
	See Section 3.3.2; Page 16; Column (D); Lines 2 through 21.				

Section 3.3.2

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

Derivation of True-Up Transmission Rates

Medium-Large Commercial Customers ¹

(\$000)

Line No.	Customer Classes	Derivation of Demand Rates & Proof of Revenues Calculation	Reference	Line No.
1	<u>Med-Lrg C&I - Demand Revenue Requirement:</u>	\$ 298,760	Section 3.3.2; Page 1; Line 6	1
2	<i>Non-Coincident Demand Determinants @ Transmission Level Used</i>			2
3	<i>to Allocate Total Customer Class Revenues to Voltage Level:</i>			3
4	Secondary ²	20,420.68	Section 3.3.2; Page 16; Line 28; Col. C.	4
5	Primary ²	4,709.31	Section 3.3.2; Page 16; Line 29; Col. C.	5
6	Transmission ²	1,413.31	Section 3.3.2; Page 16; Line 30; Col. C.	6
7	Total	26,543.30	Sum Lines 4; 5; 6	7
8	<i>Allocation Factors Per Above to Allocate</i>			8
9	<i>Demand Revenue Requirements to Voltage Level:</i>			9
10	Secondary	76.93346789%	Line 4 / Line 7	10
11	Primary	17.74198915%	Line 5 / Line 7	11
12	Transmission	5.32454296%	Line 6 / Line 7	12
13	Total	100.00000000%	Sum Lines 10; 11; 12	13
14				14
15	<u>Allocation of Revenue Requirements to Voltage Level:</u>			15
16	Secondary	\$ 229,846	Line 1 x Line 10	16
17	Primary	\$ 53,006	Line 1 x Line 11	17
18	Transmission	\$ 15,908	Line 1 x Line 12	18
19	Total	\$ 298,760	Sum Lines 16; 17; 18	19
20				20
21	<u>Non-Coincident Demand Determinants by Voltage Level @ Transmission Level:</u>			21
22	Secondary	20,420.68	Section 3.3.2; Page 16; Line 28; Col. C.	22
23	Primary	4,709.31	Section 3.3.2; Page 16; Line 29; Col. C.	23
24	Transmission	1,413.31	Section 3.3.2; Page 16; Line 30; Col. C.	24
25	Total	26,543.30	Sum Lines 22; 23; 24	25
26				26
27	<u>Non-Coincident Demand Rate By Voltage Level @ Transmission:</u>			27
28	Secondary	\$ 11.2555717192	Line 16 / Line 22	28
29	Primary	\$ 11.2555717180	Line 17 / Line 23	29
30	Transmission	\$ 11.2555717235	Line 18 / Line 24	30
31				31
32	<u>Non-Coincident Demand Rate By Voltage Level @ Transmission Level:</u>			32
33	Secondary	\$ 11.2555717192	Line 28 Rounded to 10 Decimal Places	33
34	Primary	\$ 11.2555717180	Line 29 Rounded to 10 Decimal Places	34
35	Transmission	\$ 11.2555717235	Line 30 Rounded to 10 Decimal Places	35
36				36
37	<u>Proof of Revenue Calculations:</u>			37
38	Secondary	\$ 229,846	Line 22 x Line 33	38
39	Primary	53,006	Line 23 x Line 34	39
40	Transmission	15,908	Line 24 x Line 35	40
41	Total	\$ 298,760	Sum Lines 38; 39; 40	41
42				42
43	Difference	\$ (0.00)	Line 1 - Line 41	43
	<u>Notes:</u>			
¹	Medium-Large commercial customers include the following California Public Utilities Commission (CPUC) tariffs:			
	AD, AY-TOU, AL-TOU, A6-TOU, DG-R, OL-TOU.			
²	LF = Transmission Loss Factor; Secondary Level = 1.0470; Primary Level = 1.0110; Transmission Level = 1.0065			

Section 3.3.2				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Medium-Large Commercial Customers ¹				
(\$000)				
Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Rate Proposal 90% of Total M&L C&I NCD Rates ¹	90.00%		1
2	Secondary	\$ 10.1300145473	90% x Section 3.3.2; Page 4; Line 33	2
3	Primary	\$ 10.1300145462	90% x Section 3.3.2; Page 4; Line 34	3
4	Transmission	\$ 10.1300145512	90% x Section 3.3.2; Page 4; Line 35	4
5				5
6	Rate Proposal 90% of Total M&L C&I NCD Rates (Rounded)			6
7	Secondary	\$ 10.1300145473	Line 2, Rounded to 10 Decimal Places	7
8	Primary	\$ 10.1300145462	Line 3, Rounded to 10 Decimal Places	8
9	Transmission	\$ 10.1300145512	Line 4, Rounded to 10 Decimal Places	9
10				10
11	<u>Pertaining to Schedules @ 90% NCD with Maximum On-Peak Period Demand ²</u>			11
12	NCD Determinants By Voltage Level @ TRANSMISSION Level (MW)			12
13	Secondary	20,266	Section 3.3.2; Page 17; Line 10; Col. D.	13
14	Primary	4,479	Section 3.3.2; Page 17; Line 11; Col. D.	14
15	Transmission	270	Section 3.3.2; Page 17; Line 12; Col. D.	15
16	Total	25,015	Sum Lines 13; 14; 15	16
17				17
18	Annual Revenues from Current NCD Rate 100% of Total M&L C&I NCD Rates			18
19	Secondary	\$ 228,110	Section 3.3.2; Page 4; Line 33 x Line 13	19
20	Primary	\$ 50,409	Section 3.3.2; Page 4; Line 34 x Line 14	20
21	Transmission	\$ 3,042	Section 3.3.2; Page 4; Line 35 x Line 15	21
22	Total	\$ 281,561	Sum Lines 19; 20; 21	22
23				23
24	Annual Revenues from Proposed NCD Rate 90% of Total M&L C&I NCD Rates			24
25	Secondary	\$ 205,299	Line 7 x Line 13	25
26	Primary	\$ 45,368	Line 8 x Line 14	26
27	Transmission	\$ 2,738	Line 9 x Line 15	27
28	Total	\$ 253,405	Sum Lines 25; 26; 27	28
29				29
30	Revenue Reallocation to Maximum On-Peak Period Demands			30
31	Secondary	\$ 22,811	Line 19 - Line 25	31
32	Primary	\$ 5,041	Line 20 - Line 26	32
33	Transmission	\$ 304	Line 21 - Line 27	33
34	Total	\$ 28,156	Sum Lines 31; 32; 33	34
35				35
36	<u>Pertaining to Schedules @ 90% NCD with Maximum Demand at Time of System Peak ³</u>			36
37	NCD Determinants By Voltage Level @ TRANSMISSION Level (MW)			37
38	Secondary	-	Section 3.3.2; Page 17; Col. D; Line 17	38
39	Primary	229	Section 3.3.2; Page 17; Col. D; Line 18	39
40	Transmission	1,143	Section 3.3.2; Page 17; Col. D; Line 19	40
41	Total	1,372	Sum Lines 38; 39; 40	41
42				42
43	Annual Revenues from Current NCD Rate 100% of Total M&L C&I NCD Rates			43
44	Secondary	\$ -	Line 38 x Section 3.3.2; Page 4; Line 33	44
45	Primary	\$ 2,576	Line 39 x Section 3.3.2; Page 4; Line 34	45
46	Transmission	\$ 12,866	Line 40 x Section 3.3.2; Page 4; Line 35	46
47	Total	\$ 15,442	Sum Lines 44; 45; 46	47
48				48
49	Annual Revenues from Proposed NCD Rate 90% of Total M&L C&I NCD Rates			49
50	Secondary	\$ -	Line 7 x Line 38	50
51	Primary	\$ 2,318	Line 8 x Line 39	51
52	Transmission	\$ 11,579	Line 9 x Line 40	52
53	Total	\$ 13,898	Sum Lines 50; 51; 52	53
54				54
55	Revenue Reallocation to Maximum Demand at the Time of System Peak			55
56	Secondary	\$ -	Line 44 - Line 50	56
57	Primary	\$ 258	Line 45 - Line 51	57
58	Transmission	\$ 1,287	Line 46 - Line 52	58
59	Total	\$ 1,544	Sum Lines 56; 57; 58	59
	Notes:			
	¹ 90% NCD Rates are applicable to the following California Public Utilities Commission (CPUC) tariffs:			
	AY-TOU, AL-TOU, DG-R, A6-TOU			
	² 90% NCD Rates and Maximum On-Peak Period Demand charges are applicable to the following California Public Utilities Commission (CPUC) tariffs:			
	AY-TOU, AL-TOU, DG-R			
	³ 90% NCD Rates and Maximum Demand at Time of System Peak charges are applicable to the following California Public Utilities Commission (CPUC) tariffs:			
	A6-TOU			

Section 3.3.2				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Medium-Large Commercial Customers ¹				
(\$000)				
Line No.	Description	Proof of Revenues Calculation	Reference	Line No.
1	Med-Lrg C&I Maximum On-Peak Period Demand Proposal			1
2	Revenue Reallocation to Maximum On-Peak Period Demands ¹	\$ 28,156	Section 3.3.2; Page 5; Line 34	2
3				3
4	Summer Maximum On-Peak Period Demands By Voltage Level @ <i>Meter Level</i> (MW) ²			4
5	Secondary	9,188	Section 3.3.2; Page 17; Col. B; Line 30	5
6	Primary	2,462	Section 3.3.2; Page 17; Col. B; Line 31	6
7	Transmission	278	Section 3.3.2; Page 17; Col. B; Line 32	7
8	Total	11,928	Sum Lines 5; 6; 7	8
9				9
10	Summer Maximum On-Peak Period Demands @ <i>Transmission Level</i> (MW)			10
11	Secondary	9,620	Section 3.3.2; Page 17; Col. D; Line 30	11
12	Primary	2,489	Section 3.3.2; Page 17; Col. D; Line 31	12
13	Transmission	280	Section 3.3.2; Page 17; Col. D; Line 32	13
14	Total	12,389	Sum Lines 11; 12; 13	14
15				15
16	Summer Maximum On-Peak Period Allocation to Voltage Levels			16
17	Secondary	77.65%	Line 11 / Line 14	17
18	Primary	20.09%	Line 12 / Line 14	18
19	Transmission	2.26%	Line 13 / Line 14	19
20	Total	100.00%	Sum Lines 17; 18; 19	20
21	Share of Total Revenue Allocation to Summer Peak Period	80.00%		21
22	Revenues for Proposed Summer Maximum On-Peak Period Demand Rates	\$ 22,525	Line 2 x Line 21	22
23	Secondary	\$ 17,491	(Line 2 x Line 21) x Line 17	23
24	Primary	\$ 4,526	(Line 2 x Line 21) x Line 18	24
25	Transmission	\$ 508	(Line 2 x Line 21) x Line 19	25
26	Total	\$ 22,525	Sum Lines 23; 24; 25	26
27				27
28	Summer Maximum On-Peak Period Demand Rates ³	\$/kW		28
29	Secondary	\$ 1.8181824767	Line 23 / Line 11	29
30	Primary	\$ 1.8181824767	Line 24 / Line 12	30
31	Transmission	\$ 1.8181824767	Line 25 / Line 13	31
32				32
33				33
34	Summer Maximum On-Peak Period Demand Rates (Rounded)	\$/kW		34
35	Secondary	\$ 1.8181824767	Line 29, Rounded to 10 Decimal Places	35
36	Primary	\$ 1.8181824767	Line 30, Rounded to 10 Decimal Places	36
37	Transmission	\$ 1.8181824767	Line 31, Rounded to 10 Decimal Places	37
38				38
Notes:				
¹ Revenues to be reallocated from NCD to recovery from Maximum On-Peak Period Demands for the following California Public Utilities Commission (CPUC) tariffs:				
AY-TOU, AL-TOU, DG-R				
² Summer Maximum On-Peak Period Determinants for the following California Public Utilities Commission (CPUC) tariffs:				
AY-TOU, AL-TOU, DG-R				
³ Summer Maximum On-Peak Period Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:				
AY-TOU, AL-TOU, DG-R				

Section 3.3.2				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Medium-Large Commercial Customers				
(\$000)				
Line No.	Description	Calculation	Reference	Line No.
1	Winter Maximum On-Peak Period Demands By Voltage Level @ <i>Meter Level</i> (MW) ¹			1
2	Secondary	7,806	Section 3.3.2; Page 17; Col. B; Line 35.	2
3	Primary	1,959	Section 3.3.2; Page 17; Col. B; Line 36.	3
4	Transmission	214	Section 3.3.2; Page 17; Col. B; Line 37.	4
5	Total	9,980	Sum Lines 2; 3; 4	5
6				6
7	Winter Maximum On-Peak Period Demands @ <i>Transmission Level</i> (MW)			7
8	Secondary	8,173	Section 3.3.2; Page 17; Col. D; Line 35.	8
9	Primary	1,981	Section 3.3.2; Page 17; Col. D; Line 36.	9
10	Transmission	216	Section 3.3.2; Page 17; Col. D; Line 37.	10
11	Total	10,370	Sum Lines 8; 9; 10	11
12				12
13	Winter Maximum On-Peak Period Allocation to Voltage Levels			13
14	Secondary	78.81%	Line 8 / Line 11	14
15	Primary	19.10%	Line 9 / Line 11	15
16	Transmission	2.08%	Line 10 / Line 11	16
17	Total	100.00%	Sum Lines 14; 15; 16	17
18	Share of Total Revenue Allocation to Winter Peak Period	20.00%		18
19	Revenues for Proposed Winter Maximum On-Peak Period Demand Rates	\$ 5,631	(Section 3.3.2; Page 6; Line 2) x Line 18	19
20	Secondary	\$ 4,438	(Section 3.3.2; Page 6; Line 2 x Line 18) x Line 14	20
21	Primary	\$ 1,076	(Section 3.3.2; Page 6; Line 2 x Line 18) x Line 15	21
22	Transmission	\$ 117	(Section 3.3.2; Page 6; Line 2 x Line 18) x Line 16	22
23	Total	\$ 5,631	Sum Lines 20; 21; 22	23
24				24
25	Winter Maximum On-Peak Period Demand Rates ²	\$/kW		25
26	Secondary	\$ 0.5430443093	Line 20 / Line 8	26
27	Primary	\$ 0.5430443093	Line 21 / Line 9	27
28	Transmission	\$ 0.5430443093	Line 22 / Line 10	28
29				29
30				30
31	Winter Maximum On-Peak Period Demand Rates (Rounded)	\$/kW		31
32	Secondary	\$ 0.5430443093	Line 26, Rounded to 10 Decimal Places	32
33	Primary	\$ 0.5430443093	Line 27, Rounded to 10 Decimal Places	33
34	Transmission	\$ 0.5430443093	Line 28, Rounded to 10 Decimal Places	34
35				35
36				36
37	Proof of Revenue Calculations:			37
38	Secondary	\$ 21,929	(Section 3.3.2; Page 6; Line 11 x Line 35) + (Section 3.3.2; Page 7; Line 8 x Line 32)	38
39	Primary	\$ 5,602	(Section 3.3.2; Page 6; Line 12 x Line 36) + (Section 3.3.2; Page 7; Line 9 x Line 33)	39
40	Transmission	\$ 626	(Section 3.3.2; Page 6; Line 13 x Line 37) + (Section 3.3.2; Page 7; Line 10 x Line 34)	40
41	Total	\$ 28,156	Sum Lines 38; 39; 40	41
42				42
43	Difference	\$ (0.00)	Section 3.3.2; Page 6; Line 2 Minus Page 7; Line 41	43
44				44
Notes:				
¹ Winter Maximum On-Peak Period Determinants for the following California Public Utilities Commission (CPUC) tariffs:				
AY-TOU, AL-TOU, AL-TOU-DER, DG-R				
² Winter Maximum On-Peak Period Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:				
AY-TOU, AL-TOU, AL-TOU-DER, DG-R				

Section 3.3.2

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

Derivation of True-Up Transmission Rates

Medium-Large Commercial Customers

(\$000)

Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Med-Lrg C&I Maximum Demand at the Time of System Peak Proposal			1
2	Revenue Reallocation to Maximum Demand at the Time of System Peak ¹	\$ 1,544	Section 3.3.2; Page 5; Line 59	2
3				3
4	Summer Maximum Demand at the Time of System Peak By Voltage Level @ <i>Meter Level</i> (MW) ²			4
5	Secondary	-	Section 3.3.2; Page 17; Col. B; Line 42	5
6	Primary	93	Section 3.3.2; Page 17; Col. B; Line 43	6
7	Transmission	468	Section 3.3.2; Page 17; Col. B; Line 44	7
8	Total	561	Sum Lines 5; 6; and 7	8
9				9
10	Summer Maximum Demand at the Time of System Peak @ <i>Transmission Level</i> (MW)			10
11	Secondary	-	Section 3.3.2; Page 17; Col. D; Line 42	11
12	Primary	94	Section 3.3.2; Page 17; Col. D; Line 43	12
13	Transmission	471	Section 3.3.2; Page 17; Col. D; Line 44	13
14	Total	565	Sum Lines 11; 12; and 13	14
15				15
16	Summer Maximum Demand at the time of System Peak Allocation to Voltage Levels (MW)			16
17	Secondary	0.00%	Line 11 / Line 14	17
18	Primary	16.67%	Line 12 / Line 14	18
19	Transmission	83.33%	Line 13 / Line 14	19
20	Total	100.00%	Sum Lines 17; 18; and 19	20
21	Share of Total Revenue Allocation to Summer Maximum Demand at the Time of System Peak	80.00%		21
22	Revenues for Proposed Summer Maximum Demand at the Time of System Peak Rates	\$ 1,235	Line 2 x Line 21	22
23	Secondary	\$ -	(Line 2 x Line 21) x Line 17	23
24	Primary	\$ 206	(Line 2 x Line 21) x Line 18	24
25	Transmission	\$ 1,029	(Line 2 x Line 21) x Line 19	25
26	Total	\$ 1,235	Sum Lines 23; 24; and 25	26
27				27
28	Summer Maximum Demand at the Time of System Peak Rates ³	\$/kW		28
29	Secondary	\$ -	Line 23 / Line 11	29
30	Primary	\$ 2.1863079373	Line 24 / Line 12	30
31	Transmission	\$ 2.1863079373	Line 25 / Line 13	31
32				32
33				33
34	Summer Maximum Demand at the Time of System Peak Rates (Rounded)	\$/kW		34
35	Secondary	\$ -	Line 29, Rounded to 10 Decimal Places	35
36	Primary	\$ 2.1863079373	Line 30, Rounded to 10 Decimal Places	36
37	Transmission	\$ 2.1863079373	Line 31, Rounded to 10 Decimal Places	37
38				38
	<u>Notes:</u>			
	¹ Revenues to be reallocated from NCD to recovery from Maximum Demand at the time of System Peak for the following California Public Utilities Commission (CPUC) tariffs:			
	A6-TOU			
	² Summer Maximum Demand at the time of System Peak Determinants for the following California Public Utilities Commission (CPUC) tariffs:			
	A6-TOU			
	³ Summer Maximum Demand at the time of System Peak Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:			
	A6-TOU			

Section 3.3.2				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Medium-Large Commercial Customers				
(\$000)				
Line No.	Description	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Winter Maximum Demand at the Time of System Peak By Voltage Level @ <i>Meter Level</i> (MW) ¹			1
2	Secondary	-	Section 3.3.2; Page 17; Col. B; Line 47	2
3	Primary	77	Section 3.3.2; Page 17; Col. B; Line 48	3
4	Transmission	485	Section 3.3.2; Page 17; Col. B; Line 49	4
5	Total	561	Sum Lines 2; 3; 4	5
6				6
7	Winter Maximum Demand at the Time of System Peak @ <i>Transmission Level</i> (MW)			7
8	Secondary	-	Section 3.3.2; Page 17; Col. D; Line 47	8
9	Primary	77	Section 3.3.2; Page 17; Col. D; Line 48	9
10	Transmission	488	Section 3.3.2; Page 17; Col. D; Line 49	10
11	Total	565	Sum Lines 8; 9; 10	11
12				12
13	Winter Maximum Demand at the Time of System Peak Allocation to Voltage Levels			13
14	Secondary	0.00%	Line 8 / Line 11	14
15	Primary	13.70%	Line 9 / Line 11	15
16	Transmission	86.30%	Line 10 / Line 11	16
17	Total	100.00%	Sum Lines 14; 15; 16	17
18	Share of Total Revenue Allocation to Winter Maximum Demand at the Time of System Peak	20.00%		18
19	Revenues for Proposed Winter Maximum Demand at the Time of System Peak Rates	\$ 309	Section 3.3.2; Page 8; Line 2 x Line 18	19
20	Secondary	\$ -	(Section 3.3.2; Page 8; Line 2) x (Line 18) x (Line 14)	20
21	Primary	\$ 42	(Section 3.3.2; Page 8; Line 2) x (Line 18) x (Line 15)	21
22	Transmission	\$ 267	(Section 3.3.2; Page 8; Line 2) x (Line 18) x (Line 16)	22
23	Total	\$ 309	Sum Lines 20; 21; 22	23
24				24
25	Winter Maximum Demand at the Time of System Peak Rates ²	\$/kW		25
26	Secondary	\$ -	Line 20 / Line 8	26
27	Primary	\$ 0.5464335750	Line 21 / Line 9	27
28	Transmission	\$ 0.5464335750	Line 22 / Line 10	28
29				29
30				30
31	Winter Maximum Demand at the Time of System Peak Rates (Rounded)	\$/kW		31
32	Secondary	\$ -	Line 26, Rounded to 10 Decimal Places	32
33	Primary	\$ 0.5464335750	Line 27, Rounded to 10 Decimal Places	33
34	Transmission	\$ 0.5464335750	Line 28, Rounded to 10 Decimal Places	34
35				35
36				36
37	Proof of Revenue Calculations:			37
38	Secondary	\$ -	Section 3.3.2; Page 8 (Line 11 x Line 35) + Page 9; (Line 8 x Line 32)	38
39	Primary	\$ 248	Section 3.3.2; Page 8 (Line 12 x Line 36) + Page 9; (Line 9 x Line 33)	39
40	Transmission	\$ 1,296	Section 3.3.2; Page 8 (Line 13 x Line 37) + Page 9; (Line 10 x Line 34)	40
41	Total	\$ 1,544	Sum Lines 38; 39; and 40	41
42				42
43	Difference	\$ (0.00)	Section 3.3.2; Page 8; Line 2 Minus Page 9; Line 41	43
44				44
	Notes:			
	¹ Winter Maximum Demand at the time of System Peak Determinants for the following California Public Utilities Commission (CPUC) tariffs:			
	A6-TOU			
	² Winter Maximum Demand at the time of System Peak Demand Charges for the following California Public Utilities Commission (CPUC) tariffs:			
	A6-TOU			

Section 3.3.2
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of True-Up Transmission Rates
Agricultural Customers¹
(\$000)

Line No.	Customer Classes	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Allocated Agricultural Transmission Revenue Requirement	\$ 7,135	Section 3.3.2; Page 1; Line 7	1
2				2
3	Billing Determinants (MWh)	342,096	Section 3.3.2; Page 18.1; Line 25 + Line 29	3
4				4
5	Energy Rate per kWh	\$ 0.0208567257	Line 1 / Line 3	5
6				6
7	Energy Rate per kWh - Rounded	\$ 0.0208567257	Line 5, Rounded to 10 Decimal Places	7
8				8
9				9
10	Schedules PA and TOU-PA Billing Determinants (MWh)	98,977	Section 3.3.2; Page 18.1; Line 25	10
11				11
12	Annual Revenues from Schedules PA and TOU-PA Energy Rates	\$ 2,064	Line 7 x Line 10	12
13				13
14	Revenue Allocated to Schedule PA-T-1 Non-Coincident Demand Charges	\$ 5,071	Line 1 - Line 12	14

Notes:

1 The following California Public Utilities Commission (CPUC) tariffs are offered to Agricultural customers: Schedules PA, TOU-PA and PA-T-1.

Section 3.3.2
SAN DIEGO GAS AND ELECTRIC COMPANY
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of True-Up Transmission Rates
Agricultural Customers ¹
(\$000)

Line No.	Customer Classes	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	Line No.
1	Agriculture - Demand Revenue Requirement	\$ 5,071	Section 3.3.2; Page 10; Line 14	1
2				2
3	Non-Coincident Demand Determinants @ Transmission Level ²			3
4	Secondary	790	Section 3.3.2; Page 16; Col. C; Line 36	4
5	Primary	180	Section 3.3.2; Page 16; Col. C; Line 37	5
6	Transmission	-	Section 3.3.2; Page 16; Col. C; Line 38	6
7	Total	970	Sum Lines 4; 5; 6	7
8				8
9	Allocation Factors Per Above to Allocate			9
10	Demand Revenue Requirements to Voltage Level			10
11	Secondary	81.45%	Line 4 / Line 7	11
12	Primary	18.55%	Line 5 / Line 7	12
13	Transmission	0.00%	Line 6 / Line 7	13
14	Total	100.00%	Sum Lines 11; 12; 13	14
15				15
16	Allocation of Revenue Requirements to Voltage Level			16
17	Secondary	\$ 4,130	Line 1 x Line 11	17
18	Primary	\$ 940	Line 1 x Line 12	18
19	Transmission	\$ -	Line 1 x Line 13	19
20	Total	\$ 5,071	Sum Lines 17; 18; 19	20
21				21
22	Schedule PA-T-1 Demand Determinants by Voltage Level @ Transmission Level (MW)			22
23	Secondary	790	Section 3.3.2; Page 17; Col. D; Line 55	23
24	Primary	180	Section 3.3.2; Page 17; Col. D; Line 56	24
25	Transmission	-	Section 3.3.2; Page 17; Col. D; Line 57	25
26	Total	970	Sum Lines 23; 24; 25	26
27				27
28	Non-Coincident Demand Rate by Voltage Level @ Transmission			28
29	Secondary	\$ 5.2251812221	Line 17 / Line 23	29
30	Primary	\$ 5.2251812221	Line 18 / Line 24	30
31	Transmission	\$ 5.2019237389	Line 30 x (Page 17; Col. C; Line 57 / Line 56)	31
32				32
33	Non-Coincident Demand Rate by Voltage Level @ Transmission (Rounded)			33
34	Secondary	\$ 5.2251812221	Line 29, Rounded to 10 Decimal Places	34
35	Primary	\$ 5.2251812221	Line 30, Rounded to 10 Decimal Places	35
36	Transmission	\$ 5.2019237389	Line 31, Rounded to 10 Decimal Places	36
37				37
38	Proof of Revenues			38
39	Secondary	\$ 4,130	Line 23 x Line 34	39
40	Primary	\$ 940	Line 24 x Line 35	40
41	Transmission	\$ -	Line 25 x Line 36	41
42	Total	\$ 5,071	Sum Lines 39; 40; 41	42
43				43
44	Difference	\$ (0)	Line 1 Less Line 42	44

Notes:

¹ The following California Public Utilities Commission (CPUC) tariffs are offered to Agricultural customers: Schedules PA, TOU-PA and PA-T-1.

² Non-Coincident Demand (100%) rates applicable to the following CPUC tariff: Schedule PA-T-1.

Section 3.3.2			
SAN DIEGO GAS AND ELECTRIC COMPANY			
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing			
Derivation of True-Up Transmission Rates			
Street Lighting Customers ¹			
(\$000)			
Line No.	Customer Classes		
Line No.	Derivation of Commodity Rate & Proof of Revenues Calculation	Reference	
1	Street Lighting - Allocated Transmission Revenue Requirement	\$ 2,059	Section 3.3.2; Page 1; Line 8
2			
3	Billing Determinants - Street Lighting Customer Class @ MWh:	81,197	Section 3.3.2; Page 18.1; Line 31
4			
5	Transmission Level Adjustment Factor	1.04700	Section 3.3.2; Page 16; Col. B; Line 16
6			
7	Billing Determinants @ Transmission Level	85,014	Line 3 x Line 5
8			
9	Energy Rate Per kWh @ Transmission Level	\$ 0.0242196041	Line 1 / Line 7
10			
11	Energy Rate Per kWh - Rounded @ Transmission Level	\$ 0.0242196041	Line 9, Rounded to 10 Decimal Places
12			
13	Proof of Revenues	\$ 2,059	Line 7 x Line 11
14			
15	Difference	\$ (0.00)	Line 1 - Line 13
	Notes:		
¹	Street lighting customers include the following California Public Utilities Commission (CPUC) tariffs: DWL, OL-1, OL-2, LS-1, LS-2, LS-3.		

Section 3.3.2				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
Derivation of True-Up Transmission Rates				
Standby Revenues Calculation				
(\$000)				
Line No.	Customer Classes	Derivation of Standby Surcharge & Proof of Revenues Calculation	Reference	Line No.
1	<u>Standby - Demand Revenue Requirement:</u>	\$ 10,680	Section 3.3.2; Page 1; Line 9	1
2	<i>Demand Determinants @ Transmission Level Used to Allocate</i>			2
3	<i>Total Class Revenues to Voltage Level:</i>			3
4	Secondary ¹	128.19	Section 3.3.2; Page 16; Col. C; Line 44	4
5	Primary ¹	1,247.08	Section 3.3.2; Page 16; Col. C; Line 45	5
6	Transmission ¹	729.70	Section 3.3.2; Page 16; Col. C; Line 46	6
7	Total	2,104.97	Sum Lines 4; 5; 6	7
8	<i>Allocation Factors Per Above to Allocate</i>			8
9	<i>Demand Revenue Requirements to Voltage Level:</i>			9
10	Secondary	6.0898890%	Line 4 / Line 7	10
11	Primary	59.2446517%	Line 5 / Line 7	11
12	Transmission	34.6654593%	Line 6 / Line 7	12
13	Total	100.0000000%	Sum Lines 10; 11; 12	13
14				14
15	<u>Allocation of Revenue Requirements to Voltage Level:</u>			15
16	Secondary	\$ 650	Line 1 x Line 10	16
17	Primary	6,327	Line 1 x Line 11	17
18	Transmission	3,702	Line 1 x Line 12	18
19	Total	\$ 10,680	Sum Lines 16; 17; 18	19
20				20
21	<u>Demand Determinants By Voltage Level @ Transmission:</u>			21
22	Secondary	128.19	Line 4	22
23	Primary	1,247.08	Line 5	23
24	Transmission	729.70	Line 6	24
25	Total	2,104.97	Sum Lines 22; 23; 24	25
26				26
27	<u>Demand Rate By Voltage Level @ Transmission:</u>			27
28	Secondary	\$ 5.0736992257	Line 16 / Line 22	28
29	Primary	\$ 5.0737012901	Line 17 / Line 23	29
30	Transmission	\$ 5.0736988793	Line 18 / Line 24	30
31				31
32	<u>Demand Rate By Voltage Level @ Transmission (Rounded):</u>			32
33	Secondary	\$ 5.0736992257	Line 28 Rounded to 10 Decimal Places	33
34	Primary	\$ 5.0737012901	Line 29 Rounded to 10 Decimal Places	34
35	Transmission	\$ 5.0736988793	Line 30 Rounded to 10 Decimal Places	35
36				36
37	<u>Proof of Revenue Calculations:</u>			37
38	Secondary	\$ 650	Line 22 x Line 33	38
39	Primary	6,327	Line 23 x Line 34	39
40	Transmission	3,702	Line 24 x Line 35	40
41	Total	\$ 10,680	Sum Lines 38; 39; 40	41
42				42
43	Difference	\$ -	Line 1 - Line 41	43
	<u>Notes:</u>			
	¹ LF = Transmission Loss Factor; Secondary Level = 1.0470; Primary Level = 1.0110; Transmission Level = 1.0065			

Section 3.3.2

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

Summary of Wholesale Transmission Rates

(\$000)

Line No.	Customer Classes	Transmission Energy Rates \$/kWh	Transmission Level Demand Rates \$/kW-Mo	Primary Level Demand Rates \$/kW-Mo	Secondary Level Demand Rates \$/kW-Mo	Reference	Line No.
1	Residential	\$ 0.0413718617				Section 3.3.2; Page 2; Line 11	1
2							2
3	Small Commercial	\$ 0.0329773629				Section 3.3.2; Page 3; Line 11	3
4							4
5	Med & Lrg Commercial/Industrial						5
6	Non-Coincident Demand (100%) ¹		\$ 11.2555717235	\$ 11.2555717180	\$ 11.2555717192	Section 3.3.2; Page 4; Lines 33;34;35	6
7							7
8	Non-Coincident Demand (90%) ²		\$ 10.1300145512	\$ 10.1300145462	\$ 10.1300145473	Section 3.3.2; Page 5; Lines 7;8;9	8
9							9
10	Maximum On-Peak Demand ³						10
11	Summer		\$ 1.8181824767	\$ 1.8181824767	\$ 1.8181824767	Section 3.3.2; Page 6; Lines 35;36;37	11
12	Winter		\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	Section 3.3.2; Page 7; Lines 32;33;34	12
13							13
14	Maximum Demand at the Time of System Peak ⁴						14
15	Summer		\$ 2.1863079373	\$ 2.1863079373	\$ -	Section 3.3.2; Page 8; Lines 35;36;37	15
16	Winter		\$ 0.5464335750	\$ 0.5464335750	\$ -	Section 3.3.2; Page 9; Lines 32;33;34	16
17							17
18	Agricultural (Schedules PA and TOU-PA)	\$ 0.0208567257				Section 3.3.2; Page 10; Line 7	18
19							19
20	Agricultural (Schedule PA-T-1) ¹						20
21	Non-Coincident Demand (100%)		\$ 5.2019237389	\$ 5.2251812221	\$ 5.2251812221	Section 3.3.2; Page 11; Lines 34;35;36	21
22							22
23	Street Lighting	\$ 0.0242196041				Section 3.3.2; Page 12; Line 11	23
24							24
25	Standby Rate		\$ 5.0736988793	\$ 5.0737012901	\$ 5.0736992257	Section 3.3.2; Page 13; Lines 33;34;35	25
	<i>Notes:</i>						
1	Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1						
2	NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.						
3	Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R						
4	Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU						

Section 3.3.2

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

Allocation of TO4-CYCLE-5 CAISO WHOLESALE Cost of Service for the True-Up Period

(\$000)

Line No.	Customer Classes	Total Revenues		Difference	Reference	Line No.
		Per Cost of Service Study	Per Rate Design			
1	Residential Customers	\$ 289,885	\$ 289,885	\$ (0)	Sect. 3.3.2; Pg. 1; Ln. 4; & Pg. 2; Ln. 13	1
2						2
3	Small Commercial	72,098	72,098	(0)	Sect. 3.3.2; Pg. 1; Ln. 5; & Pg. 3; Ln. 13	3
4						4
5	Med & Lrg Commercial/Industrial	298,760	298,760	(0)	Sect. 3.3.2; Pg. 1; Ln. 6; & Pg. 4; Ln. 41	5
6						6
7	Agricultural	7,135	7,135	(0)	Sect. 3.3.2; Pg. 1; Ln. 7; & Pg. 10, 11; Ln. 12, 42	7
8						8
9	Street Lighting	2,059	2,059	(0)	Sect. 3.3.2; Pg. 1; Ln. 8; & Pg. 12; Ln. 13	9
10						10
11	Standby Revenues	10,680	10,680	-	Sect. 3.3.2; Pg. 1; Ln. 9; & Pg. 13; Ln. 41	11
12						12
13	Grand Total	\$ 680,617	\$ 680,617	\$ (0)	Sum Lines 1 thru 11	13

Section 3.3.2

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

Development of TO4-CYCLE-5 12-CP Allocation Factors and Voltage Level Allocation Factors

	(A)	(B)	(C) = (A) x (B)	(D)			
	5 Year Average		5 Year Average	5-Year Average			
	Ending 12/31/2015		Ending 12/31/2015	of 12-Monthly CPs			
	Of 12 CPs		Of 12 CPs	Allocation Percentages			
Line	Kilowatt @	Transmission	Kilowatt @	@ Transmission		Line	
No.	Customer Class	Meter Level ^{1,2}	Loss Factors	Transmission Level	Level	Reference	No.
1	5-Year Average - 12CP Allocation Factors:					TO4 Cycle 5 Statement BB	1
2	Residential Customers	16,228,684	1.0470	16,991,432	42.59%	Page - 1, Line 1	2
3	Small Commercial Customers	4,036,295	1.0470	4,226,001	10.59%	Page - 1, Line 2	3
4	Medium-Large Commercial Customers						4
5	Secondary	12,163,628	1.0470	12,735,319	31.92%	Page - 1, Line 4	5
6	Primary	3,395,680	1.0110	3,433,032	8.61%	Page - 1, Line 5	6
7	Transmission	1,334,620	1.0065	1,343,295	3.37%	Page - 1, Line 6	7
8	Total Medium-Large Commercial	16,893,928	1.0366	17,511,646	43.90%	Sum Lines 5; 6; 7	8
9							9
10	Agriculture						10
11	Secondary	354,248	1.0470	370,897	0.93%	Page - 1, Line 10	11
12	Primary	46,824	1.0110	47,339	0.12%	Page - 1, Line 11	12
13	Transmission	-	1.0065	-	0.00%	Page - 1, Line 12	13
14	Total Agricultural	401,072	1.0428	418,236	1.05%	Sum Lines 11; 12; 13	14
15							15
16	Street Lighting	115,255	1.0470	120,672	0.30%	Page - 1, Line 15	16
17	Standby Customers						17
18	Secondary	35,194	1.0470	36,848	0.09%	Page - 1, Line 17	18
19	Primary	357,700	1.0110	361,634	0.91%	Page - 1, Line 18	19
20	Transmission	226,022	1.0065	227,492	0.57%	Page - 1, Line 19	20
21	Total Standby Customers	618,916	1.0114	625,974	1.57%	Sum Lines 18; 19; 20	21
22							22
23	System Total	38,294,149	1.0418	39,893,961	100.00%	Sum Lines 2; 3; 8; 14; 16; 21	23
24							24
25				Transmission			25
26	Medium-Large Commercial Customers:	Meter Level		Level	Ratios		26
27	Billing Determinants - (Non-Coincident Demand)						27
28	Secondary	19,504	1.0470	20,421	76.93%	Section 3.3.2; Page 19.4; Line 132	28
29	Primary	4,658	1.0110	4,709	17.74%	Section 3.3.2; Page 19.4; Line 133	29
30	Transmission	1,404	1.0065	1,413	5.33%	Section 3.3.2; Page 19.4; Line 134	30
31	Total	25,566	1.0382	26,543	100.00%	Sum Lines 28; 29; 30	31
32							32
33				Transmission			33
34	Agricultural Customers:	Meter Level		Level	Ratios		34
35	Billing Determinants - (Non-Coincident Demand)						35
36	Secondary	755	1.0470	790	81.45%	Section 3.3.2; Page 19.4; Line 157	36
37	Primary	178	1.0110	180	18.55%	Section 3.3.2; Page 19.4; Line 158	37
38	Transmission	-	1.0065	-	0.00%	Section 3.3.2; Page 19.4; Line 159	38
39	Total	933	1.0401	970	100.00%	Sum Lines 36; 37; 38	39
40							40
41				Transmission			41
42	Standby Customers:	Meter Level		Level	Ratios		42
43	Billing Determinants - (Contracted Standby Demand)						43
44	Secondary	122	1.0470	128	6.09%	Section 3.3.2; Page 19.4; Line 167	44
45	Primary	1,234	1.0110	1,247	59.25%	Section 3.3.2; Page 19.4; Line 168	45
46	Transmission	725	1.0065	730	34.67%	Section 3.3.2; Page 19.4; Line 169	46
47	Total	2,081	1.0116	2,105	100.00%	Sum Lines 44; 45; 46	47
	NOTES:						
1	Information comes from SDG&E's TO4-Cycle 5 Instant Draft Informational Posting on June 15, 2017.						
	See Cost Statement BB, Allocation Demand and Capability Data.						
2	SDG&E Load Research Data: 2011 - 2015.						

Section 3.3.2						
SAN DIEGO GAS AND ELECTRIC COMPANY						
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing						
Derivation of True-Up Transmission Rates						
	(A)	(B)	(C)	(D) = (B) x (C)	(E)	
		Forecast Demand		Forecast Demand		
		Determinants		Determinants		
Line No.	Customer Class	Megawatt @ Meter Level	Transmission Loss Factors	Megawatt @ Transmission Level	Ratios	Reference
1	Forecast Demand Determinants for Medium-Large Commercial Customers:					
2	Non-Coincident Demand Determinants Pertaining to Customers on Schedules @ 100% NCD Rate					
3	Secondary	147	1.0470	154	98.82%	Section 3.3.2; Page 19.1; Line 42
4	Primary	2	1.0110	2	1.18%	Section 3.3.2; Page 19.1; Line 43
5	Transmission	-	1.0065	-	0.00%	Section 3.3.2; Page 19.1; Line 44
6	Total	149		156	100.00%	Sum Lines 3; 4; 5
7						
8	Non-Coincident Demand Determinants Pertaining to Customers on Schedules @ 90% NCD Rate					
9	with Maximum On-Peak Period Demand					
10	Secondary	19,357	1.0470	20,266	81.02%	Section 3.3.2; Page 19.2; Line 69
11	Primary	4,430	1.0110	4,479	17.90%	Section 3.3.2; Page 19.2; Line 70
12	Transmission	269	1.0065	270	1.08%	Section 3.3.2; Page 19.2; Line 71
13	Total	24,055		25,015	100.00%	Sum Lines 10; 11; 12
14						
15	Non-Coincident Demand Determinants Pertaining to Customers on Schedules @ 90% NCD Rate					
16	with Maximum Demand at the Time of System Peak					
17	Secondary	-	1.0470	-	0.00%	Section 3.3.2; Page 19.3; Line 105
18	Primary	226	1.0110	229	16.68%	Section 3.3.2; Page 19.3; Line 106
19	Transmission	1,136	1.0065	1,143	83.32%	Section 3.3.2; Page 19.3; Line 107
20	Total	1,362		1,372	100.00%	Sum Lines 17; 18; 19
21						
22	Total Non-Coincident Demand Determinants Pertaining to Medium-Large Commercial Customers					
23	Secondary	19,504	1.0470	20,421	76.93%	Sum Lines 3; 10; 17
24	Primary	4,658	1.0110	4,709	17.74%	Sum Lines 4; 11; 18
25	Transmission	1,404	1.0065	1,413	5.33%	Sum Lines 5; 12; 19
26	Total	25,566		26,543	100.00%	Sum Lines 23; 24; 25
27						
28	Maximum On-Peak Period Demand Determinants					
29	<i>Summer (May, June, July, August, September, October)</i>					
30	Secondary	9,188	1.0470	9,620	77.65%	Section 3.3.2; Page 19.2; Line 79
31	Primary	2,462	1.0110	2,489	20.09%	Section 3.3.2; Page 19.2; Line 80
32	Transmission	278	1.0065	280	2.26%	Section 3.3.2; Page 19.2; Line 81
33	Total	11,928		12,389	100.00%	Sum Lines 30; 31; 32
34	<i>Winter (November, December, January, February, March, April)</i>					
35	Secondary	7,806	1.0470	8,173	78.82%	Section 3.3.2; Page 19.2; Line 79
36	Primary	1,959	1.0110	1,981	19.10%	Section 3.3.2; Page 19.2; Line 80
37	Transmission	214	1.0065	216	2.08%	Section 3.3.2; Page 19.2; Line 81
38	Total	9,980		10,370	100.00%	Sum Lines 35; 36; 37
39						
40	Maximum Demand at the Time of System Peak Determinants					
41	<i>Summer (May, June, July, August, September, October)</i>					
42	Secondary	-	1.0470	-	0.00%	Section 3.3.2; Page 19.3; Line 115
43	Primary	93	1.0110	94	16.67%	Section 3.3.2; Page 19.3; Line 116
44	Transmission	468	1.0065	471	83.33%	Section 3.3.2; Page 19.3; Line 117
45	Total	561		565	100.00%	Sum Lines 42; 43; 44
46	<i>Winter (November, December, January, February, March, April)</i>					
47	Secondary	-	1.0470	-	0.00%	Section 3.3.2; Page 19.3; Line 115
48	Primary	77	1.0110	77	13.70%	Section 3.3.2; Page 19.3; Line 116
49	Transmission	485	1.0065	488	86.30%	Section 3.3.2; Page 19.3; Line 117
50	Total	561		565	100.00%	Sum Lines 47; 48; 49
51						
52	Forecast Demand Determinants for Agricultural Customers:					
53	Non-Coincident Demand Determinants Pertaining to					
54	Customers on Schedule PA-T-1 @ 100% Non-Coincident Demand Rate					
55	Secondary	755	1.0470	790	81.45%	Section 3.3.2; Page 19.4; Line 157
56	Primary	178	1.0110	180	18.55%	Section 3.3.2; Page 19.4; Line 158
57	Transmission	-	1.0065	-	0.00%	Section 3.3.2; Page 19.4; Line 159
58	Total	933		970	100.00%	Sum Lines 55; 56; 57
59						
60	Forecast Demand Determinants for Standby Customers:					
61	Contracted Demand Determinants					
62	Secondary	122	1.0470	128	6.09%	Section 3.3.2; Page 19.4; Line 167
63	Primary	1,234	1.0110	1,247	59.25%	Section 3.3.2; Page 19.4; Line 168
64	Transmission	725	1.0065	730	34.67%	Section 3.3.2; Page 19.4; Line 169
65	Total	2,081		2,105	100.00%	Sum Lines 62; 63; 64

Section 3.3.2 San Diego Gas & Electric FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016												
Line No.	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
1	SD&E System Delivery Determinants											
2	Customer Class Deliveries (MWh)											
3	Residential	664,377	543,082	483,029	468,679	461,031	493,972	599,837	697,278	625,433	516,743	538,579
4	Transmission Level Adjustment Factor	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700
5	Residential @ Transmission Level	695,602	568,607	505,731	490,707	482,700	517,189	628,029	730,050	654,829	541,030	584,832
6	Small Commercial	148,880	127,165	166,698	141,217	163,113	174,109	163,158	227,734	207,961	178,730	2,088,145
7	Transmission Level Adjustment Factor	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700
8	Small Commercial @ Transmission Level	155,877	133,141	174,533	147,855	170,779	182,293	170,826	238,437	217,735	191,164	187,130
9	Med. & Large Comm./Ind. (AD)	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	2,998	2,691
10	Transmission Level Adjustment Factor	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656
11	Med & Lrg C/I (AD) @ Trans. Level	2,921	2,591	3,105	2,793	2,654	2,814	2,933	3,509	3,841	3,108	2,790
12	Med. & Large Comm./Ind. (AY + AL + DGR)	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	723,928
13	Transmission Level Adjustment Factor	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656
14	Med & Lrg C/I (AY + AL + DGR) @ Trans. Level	723,860	626,295	908,757	744,553	673,265	734,161	668,641	995,801	947,982	917,557	750,398
15	Med. & Large Comm./Ind. (A6)	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907
16	Transmission Level Adjustment Factor	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656	1,03656
17	Med. & Large Comm./Ind. (A6) @ Trans. Level	48,404	44,692	117,680	74,146	69,597	66,634	61,422	52,319	64,746	75,757	64,646
18	Agriculture (PA + TOL-PA)	4,818	5,690	6,216	6,607	7,401	8,665	10,126	10,846	9,813	10,080	6,495
19	Transmission Level Adjustment Factor	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280
20	Agriculture (PA + TOL-PA) @ Trans. Level	5,024	5,934	6,482	6,890	7,717	9,036	10,559	11,310	10,233	10,512	6,773
21	Agriculture (PA-T-1)	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	20,607
22	Transmission Level Adjustment Factor	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280	1,04280
23	Agriculture (PA-T-1) @ Trans. Level	18,532	15,627	15,722	21,982	15,883	17,515	15,985	29,482	28,737	21,819	20,343
24	Lighting	5,134	6,639	7,022	7,151	7,670	6,664	7,223	5,167	7,192	9,018	7,268
25	Transmission Level Adjustment Factor	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700
26	Street Lighting @ Transmission Level	5,375	6,951	7,352	7,487	8,030	6,977	7,563	5,410	7,530	9,441	7,610
27	Sale for Resale	6.0	6.2	6.0	9.2	10.4	9.8	10.3	4.6	8.6	10.2	9.3
28	Total System Delivery @ Meter Exclude Resale	1,588,820	1,347,380	1,671,268	1,437,249	1,373,663	1,475,469	1,502,812	1,983,829	1,838,668	1,788,562	1,588,448
29	Total System Delivery @ Trans. Exclude Resale	1,655,596	1,403,839	1,739,563	1,496,413	1,430,625	1,536,619	1,565,957	2,066,317	1,935,634	1,862,460	1,623,347
30	Med. & Large Comm./Ind. Rate Schedule Billing Determinants											
31	Schedule AD-Applicable to 100% NCD	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	2,998	2,691
32	Total Deliveries (MWh)	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	2,998	2,691
33	Total Deliveries (%)	97.54%	97.16%	97.88%	97.58%	97.49%	100.00%	100.00%	100.00%	91.60%	97.74%	97.60%
34	% @ Secondary Service	2.46%	2.84%	2.12%	2.42%	2.51%	0.00%	0.00%	0.00%	8.40%	2.26%	2.40%
35	% @ Primary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
36	% @ Transmission Service	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
37	Total Deliveries (MWh)	2,749	2,429	2,932	2,630	2,496	2,715	2,830	3,385	3,394	3,155	2,627
38	MWh @ Secondary Service	69	71	64	65	64	0	0	0	311	73	64
39	MWh @ Primary Service	0	0	0	0	0	0	0	0	0	0	0
40	MWh @ Transmission Service	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	2,998	2,691
41	Non-Coincident Demand (%)	0.4000%	0.4250%	0.4298%	0.4180%	0.4200%	0.4208%	0.4434%	0.4016%	0.4456%	0.4432%	0.4438%
42	% @ Secondary Service	0.2126%	0.2031%	0.2271%	0.2161%	0.2042%	0.0000%	0.0000%	0.0000%	0.2132%	0.2325%	0.1985%
43	% @ Primary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
44	% @ Transmission Service											
45	Non-Coincident Demand (MW)	10,996	10,262	12,602	10,992	11,031	11,423	12,547	13,594	15,125	13,981	11,660
46	MW @ Secondary Service	1,0470	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700
47	Transmission Level Adjustment Factor	11,513	10,744	13,194	11,509	11,550	11,960	13,136	14,233	15,836	14,638	12,208
48	Non-Coincident Demand @ Transmission Level											
49	Total											
50	Total											
51	Total											
52	Total											
53	Total											
54	Total											
55	Total											
56	Total											
57	Total											
58	Total											
59	Total											
60	Total											
61	Total											
62	Total											

Section 3.3.2 San Diego Gas & Electric FERC Recorded Sales @ Transmission Level for Rate Effective Period: January 2016 - December 2016													
Line No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
	W	W	W	W	W	S	S	S	S	S	W	W	Total
63													
64	0.147	0.144	0.144	0.144	0.141	0.131	0.000	0.000	0.000	0.664	0.170	0.150	1.820
65	1.0110	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100
66	0.149	0.146	0.146	0.146	0.142	0.133	0.000	0.000	0.000	0.671	0.171	0.152	1.840
67													
68	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71	11.143	10.406	12.746	11.133	11.163	11.423	12.547	13.594	15.789	14.150	13.313	11.788	149.195
72	11.662	10.890	13.340	11.651	11.682	11.960	13.136	14.233	16.507	14.809	13.934	12.337	156.141
73													
74													
75	698.326	604.202	876.701	718.289	649.516	708.264	645.054	960.674	914.543	885.190	779.275	723.928	9,163,963
76													
77	80.56%	78.69%	69.27%	82.72%	78.11%	76.48%	72.79%	80.57%	66.99%	73.88%	75.25%	76.58%	75.72%
78	16.16%	18.66%	29.61%	15.95%	20.97%	21.58%	27.25%	18.77%	30.05%	24.17%	23.60%	21.77%	22.64%
79	3.28%	2.65%	1.12%	1.33%	0.92%	1.94%	-0.04%	0.66%	2.96%	1.95%	1.16%	1.66%	1.63%
80	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
81	562.571	475.447	607.291	594.169	507.337	541.680	469.504	774.015	612.652	653.979	586.367	554.379	6,939,391
82	112.849	112.744	259.591	114.567	136.204	152.843	175.791	180.319	274.820	213.950	183.907	157.506	2,075,152
83	22.905	16.011	9.819	5.553	9.819	9.819	-2.40	6.340	27.070	17.261	9.001	11.983	149.421
84	698.326	604.202	876.701	718.289	649.516	708.264	645.054	960.674	914.543	885.190	779.275	723.928	9,163,963
85													
86	0.2717%	0.2842%	0.2858%	0.2770%	0.2777%	0.2791%	0.2669%	0.2754%	0.2743%	0.2823%	0.2862%	0.2859%	0.2789%
87	0.2278%	0.2186%	0.2052%	0.3664%	0.2181%	0.2106%	0.2002%	0.1885%	0.2156%	0.2150%	0.2063%	0.2194%	0.2135%
88	0.1122%	0.1416%	0.2124%	0.2218%	0.2689%	0.1925%	-1.654%	0.2229%	0.1824%	0.1948%	0.1592%	0.1489%	0.1809%
89													
90	1.528.506	1,351.220	1,735.637	1,645.847	1,408.875	1,511.830	1,253.105	2,131.639	1,680.505	1,846.182	1,678.282	1,584.990	19,356,617
91	1.0470	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700
92	1,600.346	1,414.727	1,817.212	1,723.202	1,475.092	1,582.886	1,312.001	2,231.826	1,759.488	1,932.952	1,757.162	1,659.484	20,266,378
93													
94	257.071	246.459	532.681	305.207	297.060	321.888	351.933	339.901	592.512	459.994	379.412	345.749	4,429,867
95	1.0110	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100
96	259.899	249.170	538.541	308.564	300.328	325.429	355.805	343.639	599.030	465.053	383.586	349.553	4,478,595
97													
98	27.990	22.672	20.856	21.189	16.068	26.450	3.972	14.133	49.377	33.625	14.330	17.840	268.501
99	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065
100	28.172	22.819	20.991	21.327	16.173	26.622	3.998	14.225	49.697	33.843	14.423	17.956	270,247
101	1.813.567	1,620.351	2,289.174	1,972.243	1,722.003	1,860.168	1,609.011	2,485.672	2,322.393	2,339.800	2,072.024	1,948.579	24,056,731
102	1,888.417	1,686.716	2,376.744	2,053.093	1,791.593	1,934.937	1,671.804	2,589.690	2,408.215	2,431.849	2,155.170	2,026.993	25,015,221
103													
104	0.2165%	0.2256%	0.2308%	0.2320%	0.2388%	0.2625%	0.2525%	0.2598%	0.2610%	0.2690%	0.2488%	0.2303%	0.2449%
105	0.2088%	0.1976%	0.2034%	0.2339%	0.2079%	0.2191%	0.2126%	0.2002%	0.2214%	0.2341%	0.2077%	0.2051%	0.2131%
106	0.1936%	0.2364%	0.3251%	0.3542%	0.4314%	0.4028%	-10.9881%	0.4762%	0.2799%	0.3728%	0.3680%	0.2782%	0.3316%
107													
108	1,217.967	1,072.608	1,401.627	1,378.472	1,211.521	1,421.911	1,185.496	2,010.892	1,599.022	1,759.202	1,458.815	1,276.479	16,994,013
109	1,0470	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700
110	1,275.211	1,123.021	1,467.504	1,443.260	1,268.463	1,488.741	1,241.215	2,105.404	1,674.176	1,841.885	1,527.379	1,336.474	17,792,737
111													
112	235.630	222.782	528.009	267.972	283.167	334.880	373.731	360.998	608.452	500.858	381.984	323.117	4,421,580
113	1,0110	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100
114	238.222	225.233	533.817	270.920	286.282	338.564	377.842	364.969	615.145	506.368	386.185	326.671	4,470,217
115													
116													
117													
118													
119													
120													
121													
122													

Section 3.3.2 San Diego Gas & Electric FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016														Line No.
Agriculture														
Line No.	Rate Schedule Billing Determinants	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sept-16	Oct-16	Nov-16	Dec-16	Total
184														
185														
186	Schedule PA-T-1	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
187	Total Deliveries (MWh)													233,141
188														
189														
190	Total Deliveries (%)	90.50%	77.23%	89.23%	73.29%	85.14%	89.19%	137.65%	72.19%	65.09%	80.59%	65.03%	78.91%	81.40%
191	% @ Secondary Service	9.50%	22.77%	10.77%	26.71%	14.86%	10.81%	-37.65%	27.81%	34.91%	19.41%	34.97%	21.09%	18.60%
192	% @ Primary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
193	% @ Transmission Service	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
194														
195	Total Deliveries (MWh)	16,083	11,574	13,453	15,450	12,968	14,981	21,101	20,409	17,937	16,863	12,687	16,260	189,766
196	MWh @ Secondary Service	1,688	3,412	1,624	5,631	2,263	1,816	-5,771	7,862	9,620	4,061	6,821	4,347	43,375
197	MWh @ Primary Service	0	0	0	0	0	0	0	0	0	0	0	0	198
198	MWh @ Transmission Service	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
199														
200	Non-Coincident Demand (%)	0.4552%	0.5044%	0.4410%	0.4210%	0.4102%	0.4058%	0.3315%	0.3496%	0.3363%	0.3711%	0.4393%	0.4256%	0.3978%
201	% @ Secondary Service	0.4250%	0.4091%	0.3879%	0.3947%	0.2544%	0.4378%	0.3167%	0.4070%	0.4213%	0.3325%	0.4360%	0.3949%	0.4104%
202	% @ Primary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
203	% @ Transmission Service													
204														
205	Non-Coincident Demand (MW)	73.212	58.377	59.328	65.044	53.195	60.791	69.949	71.351	60.324	62.577	51.924	68.885	754,957
206	MW @ Secondary Service	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	207
207	Transmission Level Adjustment Factor	76.653	61.121	62.117	68.101	55.696	63.649	73.236	74.705	63.159	65.518	54.364	72.123	790,440
208	Non-Coincident Demand @ Transmission Level													
209														
210	MW @ Primary Service	7.175	13.960	6.299	22.224	5.758	7.949	-18.278	32.000	40.531	13.504	29.742	17.166	178,029
211	Transmission Level Adjustment Factor	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	211
212	Non-Coincident Demand @ Transmission Level	7.254	14.113	6.368	22.468	5.821	8.036	-18.479	32.352	40.977	13.653	30.069	17.355	179,988
213														
214	MW @ Transmission Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	214
215	Transmission Level Adjustment Factor	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	215
216	Non-Coincident Demand @ Transmission Level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
217	Non-Coincident Demand @ Meter Level	80.387	72.337	65.627	87.267	58.954	68.740	87.267	103.351	100.854	76.081	81.665	86.052	932,986
218	Non-Coincident Demand @ Transmission Level	83.907	75.234	68.485	90.569	61.517	71.685	54.757	107.056	104.136	79.171	84.433	89.478	970,428
219	Schedule S Standby Determinants													
220	Contracted Standby Demand (MW)	9,795	9,799	9,799	9,799	9,774	9,737	9,712	9,688	9,688	11,593	11,526	11,526	122,436
221	MW @ Secondary Service	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	222
222	Transmission Level Adjustment Factor	10.255	10.260	10.260	10.260	10.233	10.195	10.168	10.143	10.143	12.138	12.068	12.068	128,190
223	Standby Demand @ Transmission Level													
224														
225	MW @ Primary Service	96.539	97.493	99.05	101.841	105.379	106.99	107.012	105.214	105.214	102.225	101.804	104.754	1,233,515
226	Transmission Level Adjustment Factor	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	226
227	Standby Demand @ Transmission Level	97.601	98.565	100.140	102.961	106.538	108.167	108.189	106.371	106.371	103.349	102.924	105.906	1,247,084
228														
229	MW @ Transmission Service	59,989	59,989	60,501	60,501	60,514	60,465	60,549	60,551	60,554	60,876	60,252	60,245	724,986
230	Transmission Level Adjustment Factor	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	230
231	Standby Demand @ Transmission Level	60.38	60.38	60.89	60.89	60.91	60.86	60.94	60.94	60.95	61.27	60.64	60.64	729,698
232	Standby Demand @ Meter Level	166.323	167.281	169.350	172.141	175.667	177.192	177.273	175.453	175.456	174.694	173.582	176.525	2,085,649
233	Standby Demand @ Transmission Level	168.235	169.204	171.293	174.115	177.679	179.220	179.300	177.459	177.462	176.759	175.635	178.611	2,104,973
234														

San Diego Gas & Electric Company														
FERC Recorded Period: January 2016 - December 2016														
Line No.	System Delivery Determinants	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
1														
2														
3														
4	Customer Class													
5	Deliveries (MWh)	664,377	543,082	483,029	468,679	461,031	493,972	599,837	697,278	625,433	580,239	516,743	558,579	6,692,278
6	Residential	148,880	127,165	166,698	141,217	163,113	174,109	163,158	227,734	207,961	206,798	182,583	178,730	2,088,145
7	Small Commercial	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
8	M. & L. C./I. (AD)	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
9	M. & L. C./I. (AY, AL, DG-R)	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
10	M. & L. C./I. (A6)	4,818	5,690	6,216	6,607	7,401	8,665	10,126	10,846	9,813	10,080	8,158	6,495	94,915
11	Agriculture (PA and TOU-PA)	17,772	14,986	15,077	21,080	15,232	16,796	15,223	28,272	27,558	20,924	19,508	20,607	233,141
12	Agriculture (PA-T-1)	5,134	6,639	7,022	7,151	7,670	6,664	7,223	5,167	7,192	9,018	7,268	5,051	81,197
13	Lighting	6.0	6.0	6.0	9.2	10.4	9.8	10.3	4.6	8.6	10.2	6.6	9.3	97.2
14	Sale for Resale	1,588,826	1,347,386	1,671,274	1,437,258	1,373,674	1,475,479	1,502,822	1,983,834	1,858,676	1,788,572	1,582,446	1,558,457	19,168,704
15	Total System													
16														
17														
18														
19	Med. & Large Comm./Ind.													
20	Rate Schedule													
21	Billing Determinants													
22														
23	Schedule AD:													
24	Total Deliveries (MWh)	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
25														
26	Total Deliveries (%)													
27	% @ Secondary Service	97.54%	97.16%	97.88%	97.58%	97.49%	100.00%	100.00%	100.00%	91.60%	97.74%	97.72%	97.60%	97.58%
28	% @ Primary Service	2.46%	2.84%	2.12%	2.42%	2.51%	0.00%	0.00%	0.00%	8.40%	2.26%	2.28%	2.40%	2.42%
29	% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
30		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
31	Total Deliveries (MWh)	2,749	2,429	2,932	2,630	2,496	2,715	2,830	3,385	3,394	3,155	2,930	2,627	34,270
32	MWh @ Secondary Service	69	71	64	65	64	0	0	0	311	73	68	64	850
33	MWh @ Primary Service	0	0	0	0	0	0	0	0	0	0	0	0	0
34	MWh @ Transmission Service	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120
35														
36	Non-Coincident Demand (%)													
37	% @ Secondary Service	0.4000%	0.4225%	0.4298%	0.4180%	0.4420%	0.4208%	0.4434%	0.4016%	0.4456%	0.4432%	0.4493%	0.4438%	0.4300%
38	% @ Primary Service	0.2126%	0.2031%	0.2271%	0.2161%	0.2042%	0.0000%	0.0000%	0.0000%	0.2132%	0.2325%	0.2204%	0.1985%	0.2140%
39	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
40														
41	Non-Coincident Demand (MW)													
42	MW @ Secondary Service	10,996	10,262	12,602	10,992	11,031	11,423	12,547	13,594	15,125	13,981	13,163	11,660	147,375
43	MW @ Primary Service	0.147	0.144	0.144	0.141	0.131	0.000	0.000	0.000	0.664	0.170	0.150	0.128	1.820
44	MW @ Transmission Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45		11,143	10,406	12,746	11,133	11,163	11,423	12,547	13,594	15,789	14,150	13,313	11,788	149,195
46														

San Diego Gas & Electric Company												Line		
FERC Recorded Period: January 2016 - December 2016												No.		
												47		
												48		
Schedules												49		
AL-TOU / AY-TOU / DG-R:												50		
Total Deliveries (MWh)	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	51
	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963	52
Total Deliveries (%)	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	53
% @ Secondary Service	80.56%	78.69%	69.27%	82.72%	78.11%	76.48%	72.79%	80.57%	66.99%	73.88%	75.25%	76.58%	75.72%	54
% @ Primary Service	16.16%	18.66%	29.61%	15.95%	20.97%	21.58%	27.25%	18.77%	30.05%	24.17%	23.60%	21.77%	22.64%	55
% @ Transmission Service	3.28%	2.65%	1.12%	1.33%	0.92%	1.94%	-0.04%	0.66%	2.96%	1.95%	1.16%	1.66%	1.63%	56
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	57
Total Deliveries (MWh)	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	58
MWh @ Secondary Service	562,571	475,447	607,291	594,169	507,337	541,680	469,504	774,015	612,652	653,979	586,367	554,379	6,939,391	59
MWh @ Primary Service	112,849	112,744	259,591	114,567	136,204	152,843	175,791	180,319	274,820	213,950	183,907	157,566	2,075,152	60
MWh @ Transmission Service	22,905	16,011	9,819	9,553	5,976	13,740	-240	6,340	27,070	17,261	9,001	11,983	149,421	61
	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963	62
Non-Coincident Demand (%)	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	63
% @ Secondary Service	0.2717%	0.2842%	0.2858%	0.2770%	0.2777%	0.2791%	0.2669%	0.2754%	0.2743%	0.2823%	0.2862%	0.2859%	0.2789%	64
% @ Primary Service	0.2278%	0.2186%	0.2052%	0.2664%	0.2181%	0.2106%	0.2002%	0.1885%	0.2156%	0.2150%	0.2063%	0.2194%	0.2135%	65
% @ Transmission Service	0.1222%	0.1416%	0.2124%	0.2218%	0.2689%	0.1925%	-1.6554%	0.2229%	0.1824%	0.1948%	0.1592%	0.1489%	0.1797%	66
														67
Non-Coincident Demand (MW)	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	68
MW @ Secondary Service	1,528,506	1,351,220	1,735,637	1,645,847	1,408,875	1,511,830	1,253,105	2,131,639	1,680,505	1,846,182	1,678,282	1,584,990	19,356,617	69
MW @ Primary Service	257,071	246,459	532,681	305,207	297,060	321,888	351,933	339,901	592,512	459,994	379,412	345,749	4,429,867	70
MW @ Transmission Service	27,990	22,672	20,856	21,189	16,068	26,450	3,972	14,133	49,377	33,625	14,330	17,840	268,501	71
	1,813,567	1,620,351	2,289,174	1,972,243	1,722,003	1,860,168	1,609,011	2,485,672	2,322,393	2,339,800	2,072,024	1,948,579	24,054,986	72
On-Peak Demand (%)	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	73
% @ Secondary Service	0.2165%	0.2256%	0.2308%	0.2320%	0.2388%	0.2625%	0.2525%	0.2598%	0.2610%	0.2690%	0.2488%	0.2303%	0.2449%	74
% @ Primary Service	0.2088%	0.1976%	0.2034%	0.2339%	0.2079%	0.2191%	0.2126%	0.2002%	0.2214%	0.2341%	0.2077%	0.2051%	0.2131%	75
% @ Transmission Service	0.1936%	0.2364%	0.3251%	0.3542%	0.4314%	0.4028%	-10.9881%	0.4762%	0.2799%	0.3728%	0.3680%	0.2782%	0.3294%	76
														77
On-Peak Demand (MW)	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	78
MW @ Secondary Service	1,217,967	1,072,608	1,401,627	1,378,472	1,211,521	1,421,911	1,185,496	2,010,892	1,599,022	1,759,202	1,458,815	1,276,479	16,994,013	79
MW @ Primary Service	235,630	222,782	528,009	267,972	283,167	334,880	373,731	360,998	608,452	500,858	381,984	323,117	4,421,580	80
MW @ Transmission Service	44,344	37,851	31,922	33,838	25,779	55,346	26,367	30,193	75,770	64,350	33,124	33,342	492,225	81
	1,497,941	1,333,241	1,961,558	1,680,282	1,520,467	1,812,137	1,585,595	2,402,083	2,283,244	2,324,410	1,873,922	1,632,938	21,907,817	82
														83
														84
														85

Line No.		San Diego Gas & Electric Company												Line No.
		FERC Recorded Period: January 2016 - December 2016												
Schedule A6-TOU:		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
86	Total Deliveries (MWh)	46,697	43,116	113,529	71,530	64,283	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
87														
88														
89	Total Deliveries (%)													
90	% @ Secondary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
91	% @ Primary Service	18.95%	18.73%	7.15%	14.71%	14.13%	18.93%	15.88%	24.94%	17.78%	12.53%	14.18%	18.57%	15.44%
92	% @ Transmission Service	81.05%	81.27%	92.85%	85.29%	85.87%	81.07%	84.12%	75.06%	82.22%	87.47%	85.82%	81.43%	84.56%
93		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
94	Total Deliveries (MWh)													
95	MWh @ Secondary Service	0	0	0	0	0	0	0	0	0	0	0	0	0
96	MWh @ Primary Service	8,849	8,076	8,117	10,522	9,487	12,169	9,410	12,588	11,106	9,158	9,347	11,584	120,413
97	MWh @ Transmission Service	37,848	35,040	105,412	61,008	57,654	52,115	49,845	37,886	51,357	63,927	56,559	50,782	659,433
98		46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
99	Non-Coincident Demand (%)													
100	% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
101	% @ Primary Service	0.1553%	0.1584%	0.1608%	0.2556%	0.1453%	0.1530%	0.1790%	0.2072%	0.1871%	0.1705%	0.2185%	0.2396%	0.1880%
102	% @ Transmission Service	0.1869%	0.1554%	0.1549%	0.1808%	0.1606%	0.1624%	0.1855%	0.1817%	0.1839%	0.1713%	0.1778%	0.1849%	0.1722%
103														
104	Non-Coincident Demand (MW)													
105	MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106	MW @ Primary Service	13,743	12,792	13,053	26,894	13,785	18,618	16,843	26,083	20,779	15,614	20,422	27,759	226,384
107	MW @ Transmission Service	70,738	54,452	163,283	110,303	92,593	84,634	92,463	68,838	94,445	109,508	100,542	93,882	1,135,681
108		84,480	67,244	176,336	137,197	106,378	103,253	109,307	94,921	115,224	125,121	120,964	121,640	1,362,065
109	Coincident Peak Demand (%)													
110	% @ Secondary Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
111	% @ Primary Service	0.1788%	0.1302%	0.1494%	0.1169%	0.1426%	0.1719%	0.1079%	0.1670%	0.1598%	0.1072%	0.1054%	0.1377%	0.1410%
112	% @ Transmission Service	0.1209%	0.1493%	0.1446%	0.1356%	0.1462%	0.1376%	0.1696%	0.1411%	0.1436%	0.1565%	0.1591%	0.1209%	0.1444%
113														
114	Coincident Peak Demand (MW)													
115	MW @ Secondary Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116	MW @ Primary Service	15,822	10,514	12,127	12,300	13,529	20,918	10,153	21,022	17,747	9,817	9,851	15,952	169,754
117	MW @ Transmission Service	45,758	52,315	152,426	82,727	84,291	71,710	84,538	53,457	73,748	100,046	90,001	61,404	952,420
118		61,580	62,829	164,553	95,027	97,819	92,628	94,691	74,479	91,495	109,863	99,852	77,356	1,122,173
119														
120														
121														
122	Med. & Large Comm./Ind. Class Total:													
123	Total Deliveries (MWh)	747,841	649,818	993,226	792,514	719,218	775,262	707,139	1,014,533	980,710	961,503	848,180	788,985	9,978,930
124														
125														
126	Total Deliveries (MWh)													
127	MWh @ Secondary Service	565,320	477,876	610,223	596,798	509,833	544,395	472,333	777,400	616,046	657,133	589,297	557,006	6,973,661
128	MWh @ Primary Service	121,768	120,891	267,772	125,154	145,755	165,012	185,201	192,907	286,237	223,181	193,323	169,215	2,196,415
129	MWh @ Transmission Service	60,753	51,051	115,231	70,561	63,630	65,855	49,606	44,226	78,427	81,189	65,560	62,764	808,854
130		747,841	649,818	993,226	792,514	719,218	775,262	707,139	1,014,533	980,710	961,503	848,180	788,985	9,978,930

San Diego Gas & Electric Company														
FERC Recorded Period: January 2016 - December 2016														
Line No.		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
131	Non-Coincident Demand (MW)													
132	MW @ Secondary Service	1,539,502	1,361,482	1,748,239	1,656,840	1,419,907	1,523,253	1,265,652	2,145,232	1,695,630	1,860,162	1,691,445	1,596,649	19,503,992
133	MW @ Primary Service	270,961	259,395	545,878	332,242	310,976	340,507	368,777	365,983	613,955	475,777	399,985	373,636	4,658,070
134	MW @ Transmission Service	98,728	77,124	184,139	131,492	108,661	111,084	96,436	82,971	143,821	143,132	114,872	111,722	1,404,182
135		1,909,191	1,698,001	2,478,256	2,120,574	1,839,544	1,974,843	1,730,864	2,594,187	2,453,406	2,479,072	2,206,302	2,082,007	25,566,245
136														
137														
138	Schedule PA-T-1:													
139	Total Deliveries (MWh)	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
140														
141	Total Deliveries (%)													
142	% @ Secondary Service	90.50%	77.23%	89.23%	73.29%	85.14%	89.19%	137.65%	72.19%	65.09%	80.59%	65.03%	78.91%	81.40%
143	% @ Primary Service	9.50%	22.77%	10.77%	26.71%	14.86%	10.81%	-37.65%	27.81%	34.91%	19.41%	34.97%	21.09%	18.60%
144	% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
145		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
146	Total Deliveries (MWh)													
147	MWh @ Secondary Service	16,083	11,574	13,453	15,450	12,968	14,981	21,101	20,409	17,937	16,863	12,687	16,260	189,766
148	MWh @ Primary Service	1,688	3,412	1,624	5,631	2,263	1,816	-5,771	7,862	9,620	4,061	6,821	4,347	43,375
149	MWh @ Transmission Service	0	0	0	0	0	0	0	0	0	0	0	0	0
150		17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
151	Non-Coincident Demand (%)													
152	% @ Secondary Service	0.4552%	0.5044%	0.4410%	0.4210%	0.4102%	0.4058%	0.3315%	0.3496%	0.3363%	0.3711%	0.4093%	0.4236%	0.3978%
153	% @ Primary Service	0.4250%	0.4091%	0.3879%	0.3947%	0.2544%	0.4378%	0.3167%	0.4070%	0.4213%	0.3325%	0.4360%	0.3949%	0.4104%
154	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
155														
156	Non-Coincident Demand (MW)													
157	MW @ Secondary Service	73,212	58,377	59,328	65,044	53,195	60,791	69,949	71,351	60,324	62,577	51,924	68,885	754,957
158	MW @ Primary Service	7,175	13,960	6,299	22,224	5,758	7,949	-18,278	32,000	40,531	13,504	29,742	17,166	178,029
159	MW @ Transmission Service	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
160		80,387	72,337	65,627	87,267	58,954	68,740	51,670	103,351	100,854	76,081	81,665	86,052	932,986
161														
162														
163														
164	Schedule S													
165	Standby Determinants:													
166	Standby Demand (MW)													
167	MW @ Secondary Service	9,795	9,799	9,799	9,799	9,774	9,737	9,712	9,688	9,688	11,593	11,526	11,526	122,436
168	MW @ Primary Service	96,539	97,493	99,051	101,841	105,379	106,991	107,012	105,214	105,214	102,225	101,804	104,754	1,233,515
169	MW @ Transmission Service	59,989	59,989	60,501	60,501	60,514	60,465	60,549	60,551	60,554	60,876	60,252	60,245	724,986
170		166,323	167,281	169,350	172,141	175,667	177,192	177,273	175,453	175,456	174,694	173,582	176,525	2,080,937
171														
172														

San Diego Gas & Electric Company

Section 3.3.3

Derivation of CAISO Monthly Cost of
Service (COS) Revenues for
the 12-Month True-Up Period
(January 2016 – December 2016)

Docket No. ER18-____ - ____

Section 3.3.3 SAN DIEGO GAS AND ELECTRIC COMPANY TOU-Cycle 5 Annual Transmission For multiple Rate Filing SUMMARY of the Wholesale True-Up Revenues (TU Cost of Service) For the Rate Effective Period January 2016 - December 2016 12-Month True-Up Period (1/1/2016 - 12/31/2016)															
Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(F) Sub-Total	
		Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)
1	Residential Customers	695,602,450	-	568,607,268	-	505,731,215	-	490,706,654	-	482,699,631	-	517,188,662	-	3,260,535,880	-
2	Small Commercial	155,876,865	-	133,141,281	-	174,532,921	-	147,854,674	-	170,778,808	-	182,292,556	-	964,477,106	-
3	Medium-Large Commercial	775,185,461	1,985,170	673,578,075	1,765,345	1,029,542,671	2,567,625	821,492,185	2,202,954	745,515,666	1,910,406	803,609,171	2,050,904	4,848,923,229	12,482,404
4	Agricultural (PA and TOU-PA)	5,023,746	-	5,933,974	-	6,482,277	-	6,889,658	-	7,717,229	-	9,036,240	-	41,083,124	-
5	Agricultural (PA-T-1)	18,532,363	83,907	15,627,223	75,234	15,722,149	68,485	21,982,492	90,569	15,883,446	61,517	17,515,126	71,685	105,262,800	451,397
6	Street Lighting	5,375,037	-	6,951,183	-	7,351,646	-	7,487,252	-	8,029,988	-	6,977,138	-	42,172,244	-
7	Standby Customers	168,235	-	169,204	-	171,293	-	174,115	-	177,679	-	179,220	-	1,039,746	-
8	TOTAL	1,655,995,922	2,237,312	1,403,839,003	2,009,783	1,739,362,880	2,807,403	1,496,412,916	2,467,638	1,430,624,768	2,149,603	1,536,618,893	2,301,809	9,262,454,382	13,973,547
Note: The above billing determinants are the recorded determinants from January 2016 through December 2016. The recorded billing determinants are translated from retail to transmission level.															
Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(F) Sub-Total	
		Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)
16	Residential Customers	\$ 0,0413718617		\$ 0,0413718617		\$ 0,0413718617		\$ 0,0413718617		\$ 0,0413718617		\$ 0,0413718617		\$ 0,0413718617	
17	Small Commercial	\$ 0,0329773629		\$ 0,0329773629		\$ 0,0329773629		\$ 0,0329773629		\$ 0,0329773629		\$ 0,0329773629		\$ 0,0329773629	
18	Medium-Large Commercial	\$ 0,0208567257		\$ 0,0208567257		\$ 0,0208567257		\$ 0,0208567257		\$ 0,0208567257		\$ 0,0208567257		\$ 0,0208567257	
19	Agricultural (PA and TOU-PA)	\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041	
20	Agricultural (PA-T-1)	\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041	
21	Street Lighting	\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041	
22	Standby Customers	\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041		\$ 0,0242196041	
Note: The wholesale transmission rates from January 2016 - December 2016 were derived from the Wholesale True-Up Cost of Service of \$680.596 million as shown in Section 3.3.1, Cost Statement BK2, page 2 of 2, line 33, of the instant TOU-Cycle 5 posting.															
Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(F) Sub-Total	
		Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)
29	Residential Customers	\$ 28,778,368	\$ -	\$ 23,524,341	\$ -	\$ 20,923,042	\$ -	\$ 20,301,448	\$ -	\$ 19,970,182	\$ -	\$ 21,397,058	\$ -	\$ 134,894,439	\$ -
30	Small Commercial	\$ 5,140,408	\$ -	\$ 4,390,648	\$ -	\$ 5,755,635	\$ -	\$ 4,875,857	\$ -	\$ 5,631,835	\$ -	\$ 6,011,528	\$ -	\$ 31,805,912	\$ -
31	Medium-Large Commercial	\$ 21,005,929	\$ -	\$ 18,682,659	\$ -	\$ 27,219,874	\$ -	\$ 23,330,739	\$ -	\$ 22,454,965	\$ -	\$ 24,416,840	\$ -	\$ 137,108,005	\$ -
32	Agricultural (PA and TOU-PA)	\$ 104,779	\$ -	\$ 123,763	\$ -	\$ 135,199	\$ -	\$ 143,696	\$ -	\$ 160,956	\$ -	\$ 188,466	\$ -	\$ 856,859	\$ -
33	Agricultural (PA-T-1)	\$ 438,430	\$ -	\$ 393,112	\$ -	\$ 357,845	\$ -	\$ 473,239	\$ -	\$ 321,438	\$ -	\$ 374,567	\$ -	\$ 2,338,631	\$ -
34	Street Lighting	\$ 130,181	\$ -	\$ 168,555	\$ -	\$ 178,054	\$ -	\$ 181,338	\$ -	\$ 194,483	\$ -	\$ 168,984	\$ -	\$ 1,021,395	\$ -
35	Standby Customers	\$ 853,575	\$ -	\$ 858,490	\$ -	\$ 869,091	\$ -	\$ 883,408	\$ -	\$ 901,489	\$ -	\$ 909,306	\$ -	\$ 5,275,360	\$ -
36	TOTAL	\$ 34,153,736	\$ 22,294,935	\$ 28,207,108	\$ 19,934,261	\$ 26,991,930	\$ 28,446,810	\$ 25,502,339	\$ 24,687,385	\$ 25,957,456	\$ 23,677,893	\$ 27,766,035	\$ 25,700,713	\$ 168,578,606	\$ 144,741,996
37	Grand Total	\$ 56,448,671	\$ 56,448,671	\$ 48,141,369	\$ 48,141,369	\$ 55,438,740	\$ 55,438,740	\$ 50,189,724	\$ 49,635,349	\$ 53,466,749	\$ 53,466,749	\$ 53,466,749	\$ 53,466,749	\$ 313,320,602	\$ 313,320,602
Note: The above revenues were derived by multiplying the above rates and billing determinants except Medium & Large C-I, Agricultural PA-T-1, and Standby Customers where these revenues are derived on pages 4-9.															

Section 3.3.3 SAN DIEGO GAS AND ELECTRIC COMPANY TO4-Cycle 5 Annual Transmission Formulaic Rate Filing SUMMARY of the Wholesale True-Up Revenues (TU - Cost of Service) For the Rate Effective Period January 2016 - December 2016 12-Month True-Up Period (1/1/2016 - 12/31/2016)														
Line No.	Customer Classes	Jul-16		Aug-16		Sep-16		Oct-16		Nov-16		Dec-16		Grand-Total
		Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	Billing Determinants Energy (kWh)	Demand (kW)	
1	Residential Customers	628,029,106	-	730,050,125	-	654,828,606	-	607,509,996	-	541,029,629	-	584,832,121	-	7,006,815,463
2	Small Commercial	170,825,991	-	238,437,028	-	217,735,491	-	216,518,020	-	191,164,013	-	187,129,967	-	2,186,287,615
3	Medium-Large Commercial	732,995,499	1,795,033	1,051,629,244	2,699,578	1,016,569,681	2,540,789	996,659,524	2,572,663	879,192,823	2,290,946	817,834,132	2,161,886	10,343,804,132
4	Agricultural (PA and TOU-PA)	10,558,945	-	11,309,764	-	10,233,254	-	10,511,658	-	8,507,317	-	6,773,141	-	98,977,203
5	Agricultural (PA-T-1)	15,985,213	54,757	29,481,622	107,056	28,737,237	104,136	21,819,451	79,171	20,343,206	84,433	21,489,152	89,478	243,118,680
6	Street Lighting	7,562,680	-	5,409,509	-	7,529,617	-	9,441,473	-	7,609,574	-	5,288,680	-	85,013,776
7	Standby Customers	-	-	179,300	-	177,459	-	-	-	-	-	176,759	-	1,065,227
8	TOTAL	1,565,957,433	2,029,090	2,066,317,291	2,984,094	1,935,633,885	2,822,386	1,862,460,124	2,828,593	1,647,846,562	2,551,014	1,623,347,192	2,429,974	19,964,016,869
Note: The above billing determinants are the recorded determinants from January 2016 through December 2016. The recorded billing determinants are translated from retail to transmission level.														
Line No.	Customer Classes	Jul-16		Aug-16		Sep-16		Oct-16		Nov-16		Dec-16		Grand-Total
		Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	Derived Wholesale Transmission Rates Energy (kWh)	Demand (kW)	
16	Residential Customers	\$ 0.0413718617		\$ 0.0413718617		\$ 0.0413718617		\$ 0.0413718617		\$ 0.0413718617		\$ 0.0413718617		\$ 0.0413718617
17	Small Commercial	\$ 0.0329773629		\$ 0.0329773629		\$ 0.0329773629		\$ 0.0329773629		\$ 0.0329773629		\$ 0.0329773629		\$ 0.0329773629
18	Medium-Large Commercial	\$ 0.0208567257		\$ 0.0208567257		\$ 0.0208567257		\$ 0.0208567257		\$ 0.0208567257		\$ 0.0208567257		\$ 0.0208567257
19	Agricultural (PA and TOU-PA)	\$ 0.0242196041		\$ 0.0242196041		\$ 0.0242196041		\$ 0.0242196041		\$ 0.0242196041		\$ 0.0242196041		\$ 0.0242196041
20	Street Lighting													
21	Standby Customers													
22	TOTAL													
Note: The wholesale transmission rates from January 2016 - December 2016 were derived from the Wholesale True-Up Cost of Service of \$880.596 million as shown in Section 3.3.1, Cost Statement BR2, page 2 of 2, line 33, of the instant TO4-Cycle 5 posting.														
Line No.	Customer Classes	Jul-16		Aug-16		Sep-16		Oct-16		Nov-16		Dec-16		Grand-Total
		Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	Revenues @ Present Rates Energy (kWh)	Demand (kW)	
29	Residential Customers	\$ 25,982,733	-	\$ 30,203,533	-	\$ 27,091,479	-	\$ 25,133,820	-	\$ 22,383,403	-	\$ 24,195,594	-	\$ 289,885,000
30	Small Commercial	\$ 5,633,391	-	\$ 7,865,024	-	\$ 7,180,342	-	\$ 7,140,193	-	\$ 6,304,085	-	\$ 6,171,053	-	\$ 72,098,000
31	Medium-Large Commercial	\$ 21,398,959	\$ 2,022,225	\$ 32,073,725	\$ 3,320,895	\$ 30,259,377	\$ 3,210,452	\$ 30,706,947	\$ 3,243,355	\$ 24,335,195	\$ 2,429,974	\$ 22,877,791	\$ 2,429,974	\$ 298,760,000
32	Agricultural (PA and TOU-PA)	\$ 220,225	-	\$ 235,885	-	\$ 213,432	-	\$ 219,239	-	\$ 177,435	-	\$ 141,266	-	\$ 2,064,340
33	Agricultural (PA-T-1)	\$ 286,115	\$ 559,389	\$ 559,389	\$ 413,682	\$ 441,177	\$ 467,538	\$ 413,682	\$ 441,177	\$ 467,538	\$ 413,682	\$ 467,538	\$ 413,682	\$ 5,070,660
34	Street Lighting	\$ 183,165	-	\$ 131,016	-	\$ 182,364	-	\$ 228,669	-	\$ 184,301	-	\$ 128,090	-	\$ 2,059,000
35	Standby Customers	\$ 909,715	-	\$ 900,375	-	\$ 900,375	-	\$ 896,822	-	\$ 891,120	-	\$ 906,217	-	\$ 5,404,640
36	TOTAL	\$ 32,019,514	\$ 22,594,789	\$ 38,433,458	\$ 33,533,489	\$ 34,667,617	\$ 32,721,920	\$ 32,017,452	\$ 32,721,920	\$ 29,049,224	\$ 25,667,492	\$ 24,251,546	\$ 19,527,735	\$ 366,110,640
37	Grand Total	\$ 54,614,303		\$ 71,966,947		\$ 66,371,512		\$ 64,739,372		\$ 54,716,716		\$ 54,887,548		\$ 680,617,000
Note: The above revenues were derived by multiplying the above rates and billing determinants except Medium & Large C-I, Agricultural PA-T-1, and Standby Customers where these revenues are derived on pages 4-9.														

Section 3.3.3 SAN DIEGO GAS AND ELECTRIC COMPANY TO4-Cycle 5 Annual Transmission Formulaic Rate Filing SUMMARY of the Wholesale True-Up Revenues (TU Cost of Service) For the Rate Effective Period January 2016 - December 2016 12-Month True-Up Period (1/1/2016 - 12/31/2016) Medium & Large Commercial and Industrial Customer															
Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
1	Non-Coincident Demand (KW): Applied to 90%:														
2	Schedule AL-TOU / AY-TOU / DG-R	1,600,346	1,414,727	1,817,212	1,723,202	1,475,092	1,582,886	1,312,001	2,231,826	1,759,488	1,932,952	1,757,162	1,659,484	20,266,378	Section 3.3.3, Page 10.3; Ln. 97 x 1000
3	Schedule AG-TOU														Section 3.3.3, Page 10.4; Ln. 151 x 1000
4	Secondary	1,600,346	1,414,727	1,817,212	1,723,202	1,475,092	1,582,886	1,312,001	2,231,826	1,759,488	1,932,952	1,757,162	1,659,484	20,266,378	Sum Lines 3 and 4
5															
6															
7	Schedules AL-TOU / AY-TOU / DG-R:	259,899	249,170	538,541	308,564	300,328	325,029	355,805	343,639	599,030	465,053	385,586	349,553	4,478,595	Section 3.3.3, Page 10.3; Ln. 101 x 1000
8	Schedule AG-TOU	13,894	12,932	13,196	27,190	13,926	18,823	17,029	26,370	21,008	15,783	20,647	28,064	228,874	Section 3.3.3, Page 10.4; Ln. 155 x 1000
9	Primary	273,793	262,102	551,737	335,754	314,264	344,252	372,833	370,009	620,037	480,839	404,252	377,617	4,707,470	Sum Lines 8 and 9
10															
11															
12	Schedules AL-TOU / AY-TOU / DG-R:	28,172	22,819	20,991	21,327	16,173	26,622	3,998	14,225	49,697	33,843	14,423	17,956	270,247	Section 3.3.3, Page 10.3; Ln. 105 x 1000
13	Schedule AG-TOU	71,197	54,806	164,344	111,020	93,195	85,184	93,064	69,286	95,059	110,219	101,196	94,492	1,143,063	Section 3.3.3, Page 10.4; Ln. 159 x 1000
14	Transmission	99,369	77,626	185,336	132,347	109,368	111,806	97,063	83,511	144,756	144,063	115,618	112,448	1,413,209	Sum Lines 13 and 14
15	Total	1,973,308	1,754,455	2,534,285	2,191,303	1,898,724	2,038,944	1,781,897	2,685,345	2,524,281	2,587,854	2,277,012	2,149,549	26,387,157	Sum Lines 5; 10; 15
16															
17															
18															
19	Non-Coincident Demand Rates Per (S/KW) @ 90%:														
20	Secondary	\$ 10.1300145473	\$ 14,331,207	\$ 18,408,388	\$ 17,456,064	\$ 14,942,707	\$ 16,034,657	\$ 13,290,587	\$ 22,608,425	\$ 17,823,642	\$ 19,580,832	\$ 17,800,072	\$ 16,810,600	\$ 205,298,709	Section 3.3.3, Page 14; Line 8
21	Primary	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	\$ 10.1300145462	Section 3.3.3, Page 14; Line 8
22	Transmission	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	\$ 10.1300145512	Section 3.3.3, Page 14; Line 8
23															
24	Revenues @ Calculated Rates:														
25	Secondary	\$ 16,211,527	\$ 14,331,207	\$ 18,408,388	\$ 17,456,064	\$ 14,942,707	\$ 16,034,657	\$ 13,290,587	\$ 22,608,425	\$ 17,823,642	\$ 19,580,832	\$ 17,800,072	\$ 16,810,600	\$ 205,298,709	Line 5 x Line 20
26	Primary	2,773,523	2,655,099	5,589,103	3,401,197	3,183,499	3,487,279	3,776,807	3,948,198	6,280,985	4,870,904	4,094,879	3,825,262	47,686,735	Line 10 x Line 21
27	Transmission	1,006,613	786,349	1,877,452	1,340,673	1,107,895	1,132,600	983,245	845,963	1,466,380	1,459,359	1,171,217	1,139,099	14,316,844	Line 15 x Line 22
28	Total	\$ 19,991,663	\$ 17,772,655	\$ 25,874,943	\$ 22,197,934	\$ 19,234,102	\$ 20,654,536	\$ 18,050,639	\$ 27,202,586	\$ 25,571,007	\$ 25,911,095	\$ 23,066,168	\$ 21,774,961	\$ 267,302,288	Sum Lines 25; 26; 27
29															
30	Total Revenues @ Calculated Rates:	\$ 19,991,663	\$ 17,772,655	\$ 25,874,943	\$ 22,197,934	\$ 19,234,102	\$ 20,654,536	\$ 18,050,639	\$ 27,202,586	\$ 25,571,007	\$ 25,911,095	\$ 23,066,168	\$ 21,774,961	\$ 267,302,288	Line 28
31															
1	90% Non-Coincident Demand (NCD) Rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: AY-TOU, AL-TOU, DG-R and AG-TOU.														

Section 3.3.3 SANDIEGO GAS AND ELECTRIC COMPANY TO4-Cycle 5 Annual Transmission Formulaic Rate Filing SUMMARY of the Wholesale True-Up Revenues (TU Cost of Service) For the Rate Effective Period January 2016 - December 2016 12-Month True-Up Period (1/1/2016 - 12/31/2016) Medium & Large Commercial and Industrial Customer																
Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference	Line No.
1	One-Peak Demand (KW):															
2	Secondary	1,275,211	1,123,021	1,467,504	1,443,260	1,268,463	1,488,741	1,241,215	2,105,404	1,674,176	1,841,885	1,527,379	1,336,474	17,792,732	Section 3.3.3; Page 10.3; Ln. 117 x 1000	1
3	Primary	238,222	225,233	533,817	270,920	286,282	338,564	377,842	364,969	615,145	506,368	386,185	326,671	4,470,217	Section 3.3.3; Page 10.3; Ln. 121 x 1000	2
4	Transmission	44,652	38,097	32,129	34,058	25,946	55,706	26,538	30,589	76,263	64,768	33,339	33,558	495,424	Section 3.3.3; Page 10.3; Ln. 125 x 1000	3
5	Total	1,558,065	1,386,351	2,033,450	1,748,237	1,580,691	1,883,010	1,645,596	2,500,762	2,365,583	2,413,020	1,946,904	1,696,704	22,758,373	Sum Lines 2; 3; 4	4
6																5
7	Maximum One-Peak Demand Rates Per (SKW):¹															6
8	Secondary	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093		Section 3.3.3; Page 14; Lines 11&12	7
9	Primary	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093		Section 3.3.3; Page 14; Lines 11&12	8
10	Transmission	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093		Section 3.3.3; Page 14; Lines 11&12	9
11																10
12	Revenues @ Calculated Rates:															11
13	Secondary	\$ 692,496	\$ 609,850	\$ 796,920	\$ 783,754	\$ 2,306,296	\$ 2,706,802	\$ 2,256,755	\$ 3,828,009	\$ 3,043,957	\$ 3,348,883	\$ 829,435	\$ 725,765	\$ 21,928,921	Line 2 x Line 8	12
14	Primary	\$ 129,365	\$ 122,312	\$ 289,886	\$ 147,122	\$ 520,513	\$ 615,570	\$ 686,987	\$ 663,580	\$ 1,118,445	\$ 920,669	\$ 209,716	\$ 177,397	\$ 5,601,560	Line 3 x Line 9	13
15	Transmission	\$ 24,237	\$ 20,688	\$ 17,448	\$ 18,495	\$ 47,175	\$ 101,283	\$ 48,252	\$ 55,254	\$ 138,660	\$ 117,760	\$ 18,104	\$ 18,224	\$ 281,566,061	Line 4 x Line 10	14
16	Total	\$ 846,098	\$ 752,850	\$ 1,104,253	\$ 949,370	\$ 2,873,984	\$ 3,423,656	\$ 2,991,993	\$ 4,546,842	\$ 4,301,062	\$ 4,387,312	\$ 1,057,255	\$ 921,385	\$ 28,156,061	Sum Lines 13; 14; 15	15
17																16
18	Total Revenues @ Calculated Rates:	\$ 846,098	\$ 752,850	\$ 1,104,253	\$ 949,370	\$ 2,873,984	\$ 3,423,656	\$ 2,991,993	\$ 4,546,842	\$ 4,301,062	\$ 4,387,312	\$ 1,057,255	\$ 921,385	\$ 28,156,061	Line 16	17
18																18
1	Maximum One-Peak Demand Rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: AV-TOL, AL-TOL, AL-TOL-DER and DG-R.															

Section 3.3.3 SANDIEGO GAS AND ELECTRIC COMPANY TO4-Cycle 5 Annual Transmission Formulaic Rate Filing SUMMARY of the Wholesale True-Up Revenues (TU Cost of Service) For the Rate Effective Period January 2016 - December 2016 12-Month True-Up Period (1/1/2016 - 12/31/2016) Medium & Large Commercial and Industrial Customer															
Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
1	Coincident Peak Demand (KW):														
2	Secondary	15,996	10,630	12,261	12,456	13,677	21,148	10,265	21,254	17,942	9,925	9,959	16,128	171,621	Section 3.3.3, Page 10.4; Ln. 171 x 1000
3	Primary	46,055	52,655	153,416	83,265	84,839	72,176	85,087	53,804	74,227	100,697	90,586	61,803	958,610	Section 3.3.3, Page 10.4; Ln. 175 x 1000
4	Transmission	62,052	63,285	165,677	95,700	98,516	93,324	95,352	75,058	92,170	110,622	100,545	77,931	1,130,231	Section 3.3.3, Page 10.4; Ln. 179 x 1000
5	Total														Sum Lines 2, 3, 4
6	Coincident Peak Demand Rates Per (S/KW):														
7	Secondary	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	Section 3.3.3, Pg. 14, Lines 15 & 16
8	Primary	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	Section 3.3.3, Pg. 14, Lines 15 & 16
9	Transmission	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	\$ 0.5464335750	Section 3.3.3, Pg. 14, Lines 15 & 16
10	Total														
11	Revenues @ Calculated Rates:														
12	Secondary	\$ 8,741	\$ 5,809	\$ 6,700	\$ 6,795	\$ 29,903	\$ 46,237	\$ 22,442	\$ 46,467	\$ 39,227	\$ 21,699	\$ 5,442	\$ 8,813	\$ 248,274	Line 2 x Line 8
13	Primary	25,166	28,772	83,832	45,499	185,483	157,799	186,027	117,633	162,284	220,154	49,499	33,771	1,295,919	Line 3 x Line 9
14	Transmission	33,907	34,381	90,531	52,294	215,387	204,035	208,469	164,099	201,511	241,853	54,941	42,584	1,544,193	Line 4 x Line 10
15	Total	\$ 33,907	\$ 34,381	\$ 90,531	\$ 52,294	\$ 215,387	\$ 204,035	\$ 208,469	\$ 164,099	\$ 201,511	\$ 241,853	\$ 54,941	\$ 42,584	\$ 1,544,193	Sum Lines 13, 14, 15
16	Total Revenues @ Calculated Rates:														
17		\$ 33,907	\$ 34,381	\$ 90,531	\$ 52,294	\$ 215,387	\$ 204,035	\$ 208,469	\$ 164,099	\$ 201,511	\$ 241,853	\$ 54,941	\$ 42,584	\$ 1,544,193	Line 16
18															
1	Maximum Demand Rates at Time of System Peak rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: AG-FOU.														

Section 3.3.3															
SAN DIEGO GAS AND ELECTRIC COMPANY															
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing															
SUMMARY of the Wholesale True-Up Revenues (TU Cost of Service)															
For the Rate Effective Period January 2016 - December 2016															
12-Month True-Up Period (1/1/2016 - 12/31/2016)															
Standby Customers															
Line No.	Description	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total	Reference
1	Demand - Billing Determinants (KW):														
2	Secondary	10,255	10,260	10,260	10,260	10,233	10,195	10,168	10,143	10,143	12,138	12,068	12,068	128,190	Section 3.3.3; Page 10.5; Ln. 223 x 1000
3	Primary	97,001	98,565	100,140	102,961	106,538	108,167	108,189	106,371	106,371	103,349	102,924	105,906	1,247,084	Section 3.3.3; Page 10.5; Ln. 227 x 1000
4	Transmission	60,379	60,379	60,894	60,894	60,907	60,858	60,943	60,945	60,948	61,272	60,644	60,637	729,698	Section 3.3.3; Page 10.5; Ln. 231 x 1000
5	Total	168,235	169,204	171,293	174,115	177,679	179,220	179,300	177,459	177,462	176,759	175,635	178,611	2,104,973	Sum Lines 2, 3, 4
6														6	
7	Demand Rates Per (\$/KW):														
8	Secondary	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257	\$ 5,073,699,2257		Section 3.3.3; Page 14; Line 25
9	Primary	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901	\$ 5,073,701,2901		Section 3.3.3; Page 14; Line 25
10	Transmission	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793	\$ 5,073,698,8793		Section 3.3.3; Page 14; Line 25
11															
12	Revenues at Present Rates:														
13	Secondary	\$ 52,033	\$ 52,054	\$ 52,054	\$ 52,054	\$ 51,921	\$ 51,725	\$ 51,592	\$ 51,464	\$ 51,464	\$ 61,584	\$ 61,228	\$ 61,228	\$ 650,400	Line 2 x Line 8
14	Primary	495,198	500,092	508,078	522,395	540,543	548,806	548,919	539,696	539,696	524,364	522,205	537,337	6,327,330	Line 3 x Line 9
15	Transmission	306,345	306,345	308,959	308,959	309,026	308,755	309,204	309,214	309,230	310,874	307,688	307,652	3,702,270	Line 4 x Line 10
16	Total	\$ 853,575	\$ 858,490	\$ 869,091	\$ 883,408	\$ 901,489	\$ 909,306	\$ 909,715	\$ 900,375	\$ 900,390	\$ 896,822	\$ 891,120	\$ 906,217	\$ 10,680,000	Sum Lines 13; 14; 15
17															
18	Total Revenues at Present Rates	\$ 853,575	\$ 858,490	\$ 869,091	\$ 883,408	\$ 901,489	\$ 909,306	\$ 909,715	\$ 900,375	\$ 900,390	\$ 896,822	\$ 891,120	\$ 906,217	\$ 10,680,000	Line 16

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San Diego Gas & Electric

FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016

Line No.	Line No.	FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016												Line No.		
		T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	T04-C3	Total
1	SDG&E: System Delivery Determinants	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700
2	Customer Class Deliveries (MWh)	664,377	543,082	483,029	468,679	461,031	493,972	599,837	697,278	625,433	580,239	516,743	558,579	6,692,278	6,692,278	6,692,278
3	Residential	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700
4	Transmission Level Adjustment Factor	695,602	568,607	505,731	490,707	482,700	517,189	628,029	730,050	654,829	607,510	541,030	584,832	7,006,815	7,006,815	7,006,815
5	Residential @ Transmission Level	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700
6	Small Commercial	148,880	127,165	166,698	141,217	163,113	174,109	163,158	227,734	207,961	206,798	182,583	178,730	2,088,145	2,088,145	2,088,145
7	Transmission Level Adjustment Factor	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700
8	Small Commercial @ Transmission Level	155,877	133,141	174,533	147,855	170,779	182,293	170,826	238,437	217,735	216,518	191,164	187,130	2,186,288	2,186,288	2,186,288
9	Med. & Large Comm./Ind. (AD)	2.818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120	35,120	35,120
10	Transmission Level Adjustment Factor	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656
11	Med&Lrg C/I (AD)@Trans. Level	2,921	2,591	3,105	2,793	2,654	2,814	2,933	3,509	3,841	3,345	3,108	2,790	36,404	36,404	36,404
12	Med. & Large Comm./Ind. (AY + AL + DGR)	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963	9,163,963	9,163,963
13	Transmission Level Adjustment Factor	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656
14	Med&Lrg C/I (AY + AL + DGR)@ Trans Level	723,860	626,295	908,757	744,553	673,265	734,161	668,641	995,801	947,982	917,557	807,769	750,398	9,499,039	9,499,039	9,499,039
15	Med. & Large Comm./Ind. (A6)	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846	779,846	779,846
16	Transmission Level Adjustment Factor	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656
17	Med. & Large Comm./Ind. (A6) @ Trans Level	48,404	44,692	117,680	74,146	69,597	66,634	61,422	52,319	64,746	75,757	68,317	64,646	808,361	808,361	808,361
18	Agriculture (PA + TOU-PA)	4,818	5,690	6,216	6,607	7,401	8,665	10,126	10,846	9,813	10,080	8,158	6,495	94,915	94,915	94,915
19	Transmission Level Adjustment Factor	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280
20	Agriculture (PA + TOU-PA) @ Trans Level	5,024	5,934	6,482	6,890	7,717	9,036	10,559	11,310	10,233	10,512	8,507	6,773	98,977	98,977	98,977
21	Med. & Large Comm./Ind. (A6)	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141	233,141	233,141
22	Transmission Level Adjustment Factor	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280
23	Agriculture (PA-T-1) @ Trans Level	18,532	15,627	15,722	21,982	15,883	17,515	15,985	29,482	28,737	21,819	20,343	21,489	243,119	243,119	243,119
24	Lighting	5,134	6,639	7,022	7,151	7,670	6,664	7,223	5,167	7,192	9,018	7,268	5,051	81,197	81,197	81,197
25	Transmission Level Adjustment Factor	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700
26	Street Lighting @ Transmission Level	5,375	6,951	7,352	7,487	8,030	6,977	7,563	5,410	7,530	9,441	7,610	5,289	85,014	85,014	85,014
27	Sale for Resale	6.0	6.2	6.0	9.2	10.4	9.8	10.3	4.6	8.6	10.2	6.6	9.3	97.2	97.2	97.2
28	Total System Delivery@Meter Exclude Resale	1,588,820	1,347,380	1,671,268	1,437,249	1,373,663	1,475,469	1,502,812	1,983,829	1,858,668	1,788,562	1,582,439	1,558,448	19,168,606	19,168,606	19,168,606
29	Total System Delivery@Trans. Exclude Resale	1,655,596	1,403,839	1,739,363	1,496,413	1,430,625	1,536,619	1,565,957	2,066,317	1,935,634	1,862,460	1,647,847	1,623,347	19,964,017	19,964,017	19,964,017
30	Med. & Large Comm./Ind.															
31	Rate Schedule Billing Determinants															
32	Schedule AD: Applicable to 100% NCD															
33	Total Deliveries (MWh)	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120	35,120	35,120
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FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016														
Line No.		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
44	Total Deliveries (%)													
45	% @ Secondary Service	97.54%	97.16%	97.88%	97.58%	97.49%	100.00%	100.00%	100.00%	100.00%	91.60%	97.74%	97.72%	97.60%
46	% @ Primary Service	2.46%	2.84%	2.12%	2.42%	2.51%	0.00%	0.00%	0.00%	0.00%	8.40%	2.26%	2.28%	2.40%
47	% @ Transmission Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
48	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
49	Total Deliveries (MWh)													
50	MWh @ Secondary Service	2,749	2,429	2,932	2,630	2,496	2,715	2,830	3,385	3,394	3,155	2,930	2,627	34,270
51	MWh @ Primary Service	69	71	64	65	64	0	0	0	0	311	73	68	850
52	MWh @ Transmission Service	0	0	0	0	0	0	0	0	0	0	0	0	0
53	2,818	2,500	2,995	2,695	2,560	2,715	2,830	3,385	3,706	3,227	2,998	2,691	35,120	
54	Non-Coincident Demand (%)													
55	% @ Secondary Service	0.4000%	0.4225%	0.4298%	0.4180%	0.4420%	0.4208%	0.4434%	0.4016%	0.4456%	0.4432%	0.4493%	0.4438%	0.4300%
56	% @ Primary Service	0.2126%	0.2031%	0.2271%	0.2161%	0.2042%	0.0000%	0.0000%	0.0000%	0.2132%	0.2325%	0.2204%	0.1985%	0.2140%
57	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
58														
59	Non-Coincident Demand (MW)													
60	MW @ Secondary Service	10.996	10.262	12.602	10.992	11.031	11.423	12.547	13.594	15.125	13.981	13.163	11.660	147,375
61	Transmission Level Adjustment Factor	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700
62	Non-Coincident Demand @ Transmission Level	11.513	10.744	13.194	11.509	11.550	11.960	13.136	14.233	15.836	14.638	13.782	12.208	154,302
63														
64	MW @ Primary Service	0.147	0.144	0.144	0.141	0.131	0.000	0.000	0.000	0.664	0.170	0.150	0.128	1,820
65	Transmission Level Adjustment Factor	1.0110	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100	1.01100
66	Non-Coincident Demand @ Transmission Level	0.149	0.146	0.146	0.142	0.133	0.000	0.000	0.000	0.671	0.171	0.152	0.129	1,840
67														
68	MW @ Transmission Service	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0
69	Transmission Level Adjustment Factor	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065
70	Non-Coincident Demand @ Transmission Level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71	Non-Coincident Demand @ Meter Level	11.143	10.406	12.746	11.133	11.163	11.423	12.547	13.594	15.789	14.150	13.313	11.788	149,195
72	Non-Coincident Demand @ Transmission Level	11.662	10.890	13.340	11.651	11.682	11.960	13.136	14.233	16.507	14.809	13.934	12.337	156,141
73														
74														
75	Schedules AL-TOU / AY-TOU / DG-R:													
76	Applicable to 90% NCD - Total Deliveries (MWh)	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963
77														
78	Total Deliveries (%)													
79	% @ Secondary Service	80.56%	78.69%	69.27%	82.72%	78.11%	76.48%	72.79%	80.57%	66.99%	73.88%	75.25%	76.58%	75.72%
80	% @ Primary Service	16.16%	18.66%	29.61%	15.95%	20.97%	21.58%	27.25%	18.77%	30.05%	24.17%	23.60%	21.77%	22.64%
81	% @ Transmission Service	3.28%	2.65%	1.12%	1.33%	0.92%	1.94%	-0.04%	0.66%	2.96%	1.95%	1.16%	1.66%	1.63%
82	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
83	Total Deliveries (MWh)													
84	MWh @ Secondary Service	562,571	475,447	607,291	594,169	507,337	541,680	469,504	774,015	612,652	653,979	586,367	554,379	6,939,391
85	MWh @ Primary Service	112,849	112,744	259,591	114,567	136,204	152,843	175,791	180,319	274,820	213,950	183,907	157,566	2,075,152
86	MWh @ Transmission Service	22,905	16,011	9,819	9,553	5,976	13,740	-2,400	6,340	27,070	17,261	9,001	11,983	149,421
87	698,326	604,202	876,701	718,289	649,516	708,264	645,054	960,674	914,543	885,190	779,275	723,928	9,163,963	
88														
89	Non-Coincident Demand (%)													
90	% @ Secondary Service	0.2717%	0.2842%	0.2858%	0.2770%	0.2777%	0.2791%	0.2669%	0.2754%	0.2743%	0.2823%	0.2862%	0.2859%	0.2789%
91	% @ Primary Service	0.2278%	0.2186%	0.2052%	0.2664%	0.2181%	0.2106%	0.2002%	0.1885%	0.2156%	0.2150%	0.2063%	0.2194%	0.2135%
92	% @ Transmission Service	0.1222%	0.1416%	0.2124%	0.2218%	0.2689%	0.1925%	-1.6554%	0.2229%	0.1824%	0.1948%	0.1592%	0.1489%	0.1809%
93														

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Section 3.3.3 San Diego Gas & Electric		FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016												Line
Line	No.	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
94	Non-Coincident Demand (MW)	1,528,506	1,351,220	1,735,637	1,645,847	1,408,875	1,511,830	1,253,105	2,131,639	1,680,505	1,846,182	1,678,282	1,584,990	19,356,617
95	MW @ Secondary Service	1,0470	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700
96	Transmission Level Adjustment Factor	1,600,346	1,414,727	1,817,212	1,723,202	1,475,092	1,582,886	1,312,001	2,231,826	1,759,488	1,932,952	1,757,162	1,659,484	20,266,378
97	Non-Coincident Demand @ Transmission Level	257,071	246,459	532,681	305,207	297,060	321,888	351,933	339,901	592,512	459,994	379,412	345,749	4,429,867
99	MW @ Primary Service	1,0110	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100
100	Transmission Level Adjustment Factor	259,899	249,170	538,541	308,564	300,328	325,429	355,805	343,639	599,030	465,053	383,586	349,553	4,478,595
101	Non-Coincident Demand @ Transmission Level	27,990	22,672	20,856	21,189	16,068	26,450	3,972	14,133	49,377	33,625	14,330	17,840	268,501
102	MW @ Transmission Service	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065
103	Transmission Level Adjustment Factor	28,172	22,819	20,991	21,327	16,173	26,622	3,998	14,225	49,697	33,843	14,423	17,956	270,247
105	Non-Coincident Demand @ Transmission Level	1,813,567	1,620,351	2,289,174	1,972,243	1,722,003	1,860,168	1,609,011	2,485,672	2,322,393	2,339,800	2,072,024	1,948,579	24,056,731
106	Non-Coincident Demand @ Meter Level	1,888,417	1,686,716	2,376,744	2,053,093	1,791,593	1,934,937	1,671,804	2,589,690	2,408,215	2,431,849	2,155,170	2,026,993	25,015,221
107	Non-Coincident Demand @ Transmission Level													
108														
109	On-Peak Demand (%)	0.2165%	0.2256%	0.2308%	0.2320%	0.2388%	0.2625%	0.2525%	0.2598%	0.2610%	0.2690%	0.2488%	0.2303%	0.2449%
110	% @ Secondary Service	0.2088%	0.1976%	0.2034%	0.2339%	0.2079%	0.2191%	0.2126%	0.2002%	0.2214%	0.2341%	0.2077%	0.2051%	0.2131%
111	% @ Primary Service	0.1936%	0.2364%	0.3251%	0.3542%	0.4314%	0.4028%	-10.9881%	0.4762%	0.2799%	0.3728%	0.3680%	0.2782%	0.3316%
112	% @ Transmission Service													
113														
114	On-Peak Demand (MW)	1,217,967	1,072,608	1,401,627	1,378,472	1,211,521	1,421,911	1,185,496	2,010,892	1,599,022	1,759,202	1,458,815	1,276,479	16,994,013
115	MW @ Secondary Service	1,0470	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700	1,04700
116	Transmission Level Adjustment Factor	1,275,211	1,123,021	1,467,504	1,443,260	1,268,463	1,488,741	1,241,215	2,105,404	1,674,176	1,841,885	1,527,379	1,336,474	17,792,732
117	On-Peak Demand @ Transmission Level	235,630	222,782	528,009	267,972	283,167	334,880	373,731	360,998	608,452	500,858	381,984	323,117	4,421,580
118	MW @ Primary Service	1,0110	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100	1,01100
119	Transmission Level Adjustment Factor	238,222	225,233	533,817	270,920	286,282	338,564	377,842	364,969	615,145	506,368	386,185	326,671	4,470,217
120	On-Peak Demand @ Transmission Level	44,344	37,851	31,922	33,838	25,779	55,346	26,367	30,193	75,770	64,350	33,124	33,342	492,225
121	MW @ Transmission Service	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065
122	Transmission Level Adjustment Factor	44,632	38,097	32,129	34,058	25,946	55,706	26,538	30,389	76,263	64,768	33,339	33,558	495,424
123	On-Peak Demand @ Transmission Level	1,497,941	1,333,241	1,961,558	1,680,282	1,520,467	1,812,137	1,585,595	2,402,083	2,283,244	2,324,410	1,873,922	1,632,938	21,911,017
124	On-Peak Demand @ Meter Level	1,558,065	1,386,351	2,033,450	1,748,237	1,580,691	1,883,010	1,645,596	2,500,762	2,365,583	2,413,020	1,946,904	1,696,704	22,758,373
125	On-Peak Demand @ Transmission Level													
126														
127														
128														
129														
130	Schedule AG-TOL:													
131	Total Deliveries (MWh)	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366	779,846
132	Total Deliveries (%)													
133	% @ Secondary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
134	% @ Primary Service	18.95%	18.73%	7.15%	14.71%	14.13%	18.93%	15.88%	24.94%	17.78%	12.53%	14.18%	18.57%	15.44%
135	% @ Transmission Service	81.05%	81.27%	92.85%	85.29%	85.87%	81.07%	84.12%	75.06%	82.22%	87.47%	85.82%	81.43%	84.56%
136	Transmission Service	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
137														

Section 3.3.3 San Diego Gas & Electric													Line
FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016													No.
Line	No.	W	W	W	W	S	S	S	S	S	S	W	Total
	138	Total Deliveries (MWh)											138
	139	0	0	0	0	0	0	0	0	0	0	0	0
	140	8,849	8,076	8,117	10,522	9,487	12,169	9,410	12,588	11,106	9,158	9,347	11,584
	141	37,848	35,040	105,412	61,008	57,654	52,115	49,845	37,886	51,357	63,927	56,559	50,782
	142	46,697	43,116	113,529	71,530	67,142	64,283	59,255	50,474	62,462	73,085	65,907	62,366
	143	Non-Coincident Demand (%)											143
	144	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	145	0.1533%	0.1584%	0.1608%	0.2556%	0.1453%	0.1530%	0.1790%	0.2072%	0.1871%	0.1705%	0.2185%	0.2396%
	146	0.1869%	0.1554%	0.1549%	0.1808%	0.1606%	0.1624%	0.1855%	0.1877%	0.1839%	0.1713%	0.1778%	0.1849%
	147												147
	148	Non-Coincident Demand (MW)											148
	149	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	150	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470
	151	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	152												152
	153	13,743	12,792	13,053	26,894	13,785	18,618	16,843	26,083	20,779	15,614	20,422	27,759
	154	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110
	155	13,894	12,932	13,196	27,190	13,936	18,823	17,029	26,370	21,008	15,785	20,647	28,064
	156												156
	157	70,738	54,452	163,283	110,303	92,593	84,634	92,463	68,838	94,445	109,508	100,542	93,882
	158	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065
	159	71,197	54,806	164,344	111,020	93,195	85,184	93,064	69,286	95,059	110,219	101,196	94,492
	160	84,480	67,244	176,336	137,197	106,378	103,253	109,307	94,921	115,224	125,121	120,964	121,640
	161	85,091	67,739	177,541	138,210	107,131	104,007	110,093	95,655	116,066	126,005	121,842	122,556
	162												162
	163	Coincident Peak Demand (%)											163
	164	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
	165	0.1788%	0.1302%	0.1494%	0.1169%	0.1426%	0.1719%	0.1079%	0.1670%	0.1598%	0.1072%	0.1054%	0.1377%
	166	0.1209%	0.1493%	0.1446%	0.1356%	0.1462%	0.1376%	0.1696%	0.1411%	0.1436%	0.1565%	0.1591%	0.1209%
	167												167
	168	Coincident Peak Demand (MW)											168
	169	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	170	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470	1.0470
	171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	172												172
	173	15,822	10,514	12,127	12,300	13,529	20,918	10,153	21,022	17,747	9,817	9,851	15,952
	174	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110	1.0110
	175	15,996	10,630	12,261	12,436	13,677	21,148	10,265	21,254	17,942	9,925	9,959	16,128
	176												176
	177	45,758	52,315	152,426	82,727	84,291	71,710	84,538	53,457	73,748	100,046	90,001	61,404
	178	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065	1.0065
	179	46,085	52,655	153,416	83,265	84,839	72,176	85,087	53,804	74,227	100,697	90,586	61,803
	180	61,580	62,829	164,553	95,027	97,819	92,628	94,691	74,479	91,495	109,863	99,852	77,356
	181	62,052	63,285	165,677	95,700	98,516	93,324	95,352	75,058	92,170	110,622	100,545	77,931
	182												182
	183												183
	184	Agriculture											184
	185												185
	186	Rate Schedule Billing Determinants											186
		TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3	TO4-C3

Section 3.3.3 San Diego Gas & Electric													Line
FERC Recorded Sales @ Transmission Level for the Rate Effective Period: January 2016 - December 2016													No.
Line	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
187	Schedule PA-I-I:												187
188	Total Deliveries (MWh)												188
189	17,772	14,986	15,077	21,080	15,232	16,796	15,329	28,272	27,558	20,924	19,508	20,607	233,141
190	Total Deliveries (%)												189
191	90.50%	77.23%	89.23%	73.29%	85.14%	89.19%	137.65%	72.19%	65.09%	80.59%	65.03%	78.91%	81.40%
192	% @ Secondary Service	9.50%	22.77%	10.77%	26.71%	14.86%	-37.65%	27.81%	34.91%	19.41%	34.97%	21.09%	18.60%
193	% @ Primary Service	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
194	% @ Transmission Service	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
195	Total Deliveries (MWh)												195
196	MWh @ Secondary Service	16,083	11,574	13,453	15,450	12,968	14,981	20,409	17,937	16,863	12,687	16,260	189,766
197	MWh @ Primary Service	1,688	3,412	1,624	5,631	2,263	-5,771	7,862	9,620	4,061	6,821	4,347	43,375
198	MWh @ Transmission Service	0	0	0	0	0	0	0	0	0	0	0	0
199	Non-Coincident Demand (%)												199
200	% @ Secondary Service	0.4552%	0.5044%	0.4410%	0.4210%	0.4102%	0.4058%	0.3315%	0.3496%	0.3711%	0.4093%	0.4236%	0.3978%
201	% @ Primary Service	0.4250%	0.4091%	0.3879%	0.3947%	0.2544%	0.4378%	0.3167%	0.4213%	0.3325%	0.4360%	0.3949%	0.4104%
202	% @ Transmission Service	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
203	Non-Coincident Demand (MW)												203
204	MW @ Secondary Service	73.212	58.377	59.328	65.044	53.195	60.791	69.949	71.351	60.324	51.924	68.885	754.957
205	MW @ Primary Service	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470
206	MW @ Transmission Service	76.653	61.121	62.117	68.101	55.696	63.649	73.236	74.705	63.159	54.364	72.123	790.440
207	Transmission Level Adjustment Factor												207
208	Non-Coincident Demand @ Transmission Level	7.175	13.960	6.299	22.224	5.758	7.949	-18.278	32.000	40.531	29.742	17.166	178.029
209	MW @ Primary Service	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110
210	Transmission Level Adjustment Factor	7.254	14.113	6.368	22.468	5.821	8.036	-18.479	32.352	40.977	30.069	17.355	179.988
211	Non-Coincident Demand @ Transmission Level	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
212	MW @ Transmission Service	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065
213	Transmission Level Adjustment Factor	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
214	Non-Coincident Demand @ Transmission Level	80.387	72.337	65.627	87.267	58.954	68.740	51.670	103.351	100.854	81.665	86.052	932.986
215	Non-Coincident Demand @ Meter Level	83.907	75.234	68.485	90.569	61.517	71.685	54.757	107.056	104.136	84.433	89.478	970.428
216	Non-Coincident Demand @ Transmission Level	9.795	9.799	9.799	9.799	9.774	9.737	9.712	9.688	9.688	11.526	11.526	122.436
217	Schedule S: Standby Determinants:	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470	1,0470
218	Contracted Standby Demand (MW)	10.255	10.260	10.260	10.260	10.233	10.195	10.168	10.143	10.143	12.138	12.068	128.190
219	MW @ Secondary Service	96.539	97.493	99.05	101.841	105.379	106.99	107.012	105.214	105.214	101.804	104.754	1,233.515
220	Transmission Level Adjustment Factor	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110	1,0110
221	Standby Demand @ Transmission Level	97.601	98.565	100.140	102.961	106.538	108.167	108.189	106.371	103.349	102.924	105.906	1,247.084
222	MW @ Transmission Service	59.989	59.989	60.501	60.501	60.514	60.465	60.549	60.551	60.876	60.252	60.245	724.986
223	Transmission Level Adjustment Factor	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065	1,0065
224	Standby Demand @ Transmission Level	60.38	60.38	60.89	60.89	60.91	60.86	60.94	60.94	61.27	60.64	60.64	729.698
225	MW @ Primary Service	166.71	167.67	169.74326	172.53426	176.06034	177.58502	177.66657	175.84658	175.8496	173.97364	176.91659	2,085.649
226	Transmission Level Adjustment Factor	168.235	169.204	171.293	174.115	177.679	179.220	179.300	177.459	177.462	176.759	178.611	2,104.973
227	Standby Demand @ Meter Level												
228	Standby Demand @ Transmission Level												
229	MW @ Transmission Service												
230	Transmission Level Adjustment Factor												
231	Standby Demand @ Transmission Level												
232	Meter Level												
233	Standby Demand @ Transmission Level												
234													234

Section 3.3.3														
SAN DIEGO GAS AND ELECTRIC COMPANY														
TO4 Cycle 5 Annual Transmission Formulaic Rate Filing														
SUMMARY of the Wholesale True-Up Revenues (TU Cost of Service)														
For the Rate Effective Period January 2016 - December 2016														
Billing Determinants @ Transmission Level														
12-Month True-Up Period (1/1/2016 - 12/31/2016)														
Line No.	Customer Classes	(A) Jan-16		(B) Feb-16		(C) Mar-16		(D) Apr-16		(E) May-16		(F) Jun-16		(G) Sub-Total
		Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	Billing Energy (kWh)	Demand (kW)	
1	Residential Customers ¹	695,602,450		568,607,268		505,731,215		490,706,654		482,699,631		517,188,662		3,260,535,880
2														-
3	Small Commercial ²	155,876,865		133,141,281		174,532,921		147,854,674		170,778,808		182,292,556		964,477,106
4														-
5	Medium-Large Commercial ³	775,185,461	1,985,170	673,578,075	1,765,345	1,029,542,671	2,567,625	821,492,185	2,202,954	745,515,666	1,910,406	803,609,171	2,050,904	4,848,923,229
6														12,482,404
7	Agricultural Customers ⁴	23,556,109	83,907	21,561,196	75,234	22,204,427	68,485	28,872,151	90,569	23,600,675	61,517	26,551,366	71,685	146,345,924
8														451,397
9	Street Lighting ⁵	5,375,037		6,951,183		7,351,646		7,487,252		8,029,988		6,977,138		42,172,244
10														-
11	Sale for Resale ⁶	5,993		6,231		5,954		9,212		10,406		9,837		47,633
12														-
13	Standby Customers ⁷		168,235		169,204		171,293		174,115		177,679		179,220	1,039,746
14														-
15	TOTAL	1,655,601,915	2,237,312	1,403,845,234	2,009,783	1,739,368,834	2,807,403	1,496,422,128	2,467,638	1,430,635,174	2,149,602	1,536,628,730	2,301,809	9,262,502,015
														13,973,547
Notes:														
1	See Section 3.3.3; Page 10.1; Line 5 x 1000.													
2	See Section 3.3.3; Page 10.1; Line 9 x 1000.													
3	See Section 3.3.3; Pages 10.1; 10.2; 10.3; 10.4; (Lines 13, 17, and 21) x 1000; (Lines 72, 107, and 161) x 1000.													
4	See Section 3.3.3; Page 10.1 & 10.5; (Lines 25 and 29) x 1000; Line 218 x 1000.													
5	See Section 3.3.3; Page 10.1; Line 33 x 1000.													
6	See Section 3.3.3; Page 10.1; Line 35 x 1000.													
7	See Section 3.3.3; Page 10.5; Line 233 x 1000.													

Section 3.3.3 SAN DIEGO GAS AND ELECTRIC COMPANY T04-Cycle 5 Annual Transmission Formulaic Rate Filing SUMMARY of the Wholesale True-Up Revenues (TU Cost of Service) For the Rate Effective Period January 2016 - December 2016 Billing Determinants @ Transmission Level 12-Month True-Up Period (1/1/2016 - 12/31/2016)															
Line No.	Customer Classes	Jul-16		Aug-16		Sep-16		Oct-16		Nov-16		Dec-16		Sub-Total	Grand Total
		Billing Determinants Energy (kWh)	Billing Determinants Demand (kW)	Billing Determinants Energy (kWh)	Billing Determinants Demand (kW)	Billing Determinants Energy (kWh)	Billing Determinants Demand (kW)	Billing Determinants Energy (kWh)	Billing Determinants Demand (kW)	Billing Determinants Energy (kWh)	Billing Determinants Demand (kW)	Billing Determinants Energy (kWh)	Billing Determinants Demand (kW)		
1	Residential Customers ¹	628,029,106	730,050,125			654,828,606				541,029,629		584,832,121		3,746,279,583	7,006,815,463
2															
3	Small Commercial ²	170,825,991	238,437,028			217,735,491				191,164,013		187,129,967		1,221,810,509	2,186,287,615
4															
5	Medium-Large Commercial ³	732,995,499	1,051,629,244	2,699,578		1,016,569,681	2,340,789	2,572,663	2,290,946	879,192,823	2,161,886	817,834,132	14,060,894	5,494,880,903	10,343,804,132
6															
7	Agricultural Customers ⁴	26,544,158	40,791,386	107,056	104,136	38,970,490	104,136	79,171	84,433	28,850,523	89,478	28,262,293		195,749,959	342,095,883
8															
9	Street Lighting ⁵	7,562,680	5,409,509			7,529,617		9,441,473		7,609,574		5,288,680		42,841,532	85,013,776
10															
11	Sale for Resale ⁶	10,310	4,609			8,635		10,162		6,571		9,301		49,588	97,221
12															
13	Standby Customers ⁷	179,300	177,459	177,462	176,759			175,635				178,611			
14															
15	TOTAL	1,565,967,743	2,066,321,900	2,984,094	2,828,386	1,935,642,520	2,822,386	1,862,470,286	2,828,593	1,647,853,133	2,551,014	1,623,356,493	2,429,974	10,701,612,075	15,645,151
Notes:															
1	See Section 3.3.3; Page 10.1; Line 5 x 1000.														
2	See Section 3.3.3; Page 10.1; Line 9 x 1000.														
3	See Section 3.3.3; Pages 10.1; 10.2; 10.3; 10.4; (Lines 13, 17, and 21) x 1000; (Lines 72, 107, and 161) x 1000.														
4	See Section 3.3.3; Page 10.1 & 10.5; (Lines 25 and 29) x 1000; Line 218 x 1000.														
5	See Section 3.3.3; Page 10.1; Line 33 x 1000.														
6	See Section 3.3.3; Page 10.1; Line 35 x 1000.														
7	See Section 3.3.3; Page 10.5; Line 233 x 1000.														

Section 3.3.3				
SAN DIEGO GAS AND ELECTRIC COMPANY				
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing				
SUMMARY of the Wholesale True-Up Revenues (TU Cost of Service)				
For the Rate Effective Period January 2016 - December 2016				
Total Billing Determinants @ Transmission Level				
12-Month True-Up Period (1/1/2016 - 12/31/2016)				
	(M)			
	12 Months to Date			
Line No.	Customer Classes	Billing Determinants @ Transmission Level Energy (kWh)	Demand (kW)	Line No.
1	Residential Customers	7,006,815,463	-	1
2				2
3	Small Commercial	2,186,287,615	-	3
4				4
5	Medium-Large Commercial	10,343,804,132	26,543,299	5
6				6
7	Agricultural	342,095,883	970,428	7
8				8
9	Street Lighting	85,013,776	-	9
10				10
11	Sale for Resale	97,221	-	11
12				12
13	Standby Customers	-	2,104,973	13
14				14
15	TOTAL	19,964,114,090	29,618,699	15

Section 3.3.3

SAN DIEGO GAS AND ELECTRIC COMPANY

TO4-Cycle 5 Annual Transmission Formulaic Rate Filing

WHOLESALE - Rate Design Information

Summary of TO4-CYCLE-5 Wholesale Transmission Rates Based on Wholesale Cost of Service for the True-Up Period

Using the 12-Month True-Up Period Recorded Billing Determinants

Line No.	Customer Classes	Transmission Energy Rates \$/kWh	Transmission Level Demand Rates		Primary Level Demand Rates		Secondary Level Demand Rates		Reference	Line No.
			Demand Rates \$/kW-Mo	Demand Rates \$/kW-Mo	Demand Rates \$/kW-Mo	Demand Rates \$/kW-Mo				
1	Residential	\$ 0.0413718617								Section 3.3.2; Page 2; Line 11
2										
3	Small Commercial	\$ 0.0329773629								Section 3.3.2; Page 3; Line 11
4										
5	Med & Lrg Commercial/Industrial									
6	Non-Coincident Demand (100%) ¹		\$ 11.2555717235	\$ 11.2555717180	\$ 11.2555717192					Section 3.3.2; Page 4; Lines 33;34;35
7										
8	Non-Coincident Demand (90%) ²		\$ 10.1300145512	\$ 10.1300145462	\$ 10.1300145473					Section 3.3.2; Page 5; Lines 7;8;9
9										
10	Maximum On-Peak Demand ³									
11	Summer		\$ 1.8181824767	\$ 1.8181824767	\$ 1.8181824767					Section 3.3.2; Page 6; Lines 35;36;37
12	Winter		\$ 0.5430443093	\$ 0.5430443093	\$ 0.5430443093					Section 3.3.2; Page 7; Lines 32;33;34
13										
14	Maximum Demand at the Time of System Peak ⁴									
15	Summer		\$ 2.1863079373	\$ 2.1863079373	\$ -					Section 3.3.2; Page 8; Lines 35;36;37
16	Winter		\$ 0.5464335750	\$ 0.5464335750	\$ -					Section 3.3.2; Page 9; Lines 32;33;34
17										
18	Agricultural (Schedules PA and TOU-PA)	\$ 0.0208567257								Section 3.3.2; Page 10; Line 7
19										
20	Agricultural (Schedule PA-T1) ¹									
21	Non-Coincident Demand (100%)		\$ 5.2019237389	\$ 5.2251812221	\$ 5.2251812221					Section 3.3.2; Page 11; Lines 34;35;36
22										
23	Street Lighting	\$ 0.0242196041								Section 3.3.2; Page 12; Line 11
24										
25	Standby Rate		\$ 5.0736988793	\$ 5.0737012901	\$ 5.0736992257					Section 3.3.2; Page 13; Lines 33;34;35
	NOTES:									
1	Non-Coincident Demand (NCD) (100%) rates are applicable to the following California Public Utilities Commission (CPUC) tariffs: Schedules AD and PA-T-1									
2	NCD (90%) rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, DG-R, and A6-TOU.									
3	Maximum On-Peak Demand rates are applicable to the following CPUC tariffs: Schedules AY-TOU, AL-TOU, and DG-R.									
4	Maximum Demand at the Time of System Peak rates are applicable to the following CPUC tariffs: Schedule A6-TOU									

San Diego Gas & Electric Company

Section 4.1.1

Summary of CAISO-WHOLESALE Interest True-Up Adjustment

Docket No. ER18-____ - ____

Section 4.1.1
San Diego Gas and Electric Company
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Interest True-Up Adjustment Applicable to TO4-Cycle 4 - CAISO Wholesale

Line No.	(a) Jan-16	(b) Feb-16	(c) Mar-16	(d) Apr-16	(e) May-16	(f) Jun-16	(g) Jul-16	(h) Aug-16
1	\$ (47,247,099)	\$ (47,379,391)	\$ (47,502,233)	\$ (47,634,525)	\$ (47,767,902)	\$ (47,906,042)	\$ (48,039,419)	\$ (48,183,537)
2								
3	Part A1: Amortization of True-Up Adjustment Balance:							
4	Total Recorded Sales kWhs @ <i>Transmission Level</i>							
5								
6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7								
8	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9								
10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11								
12	Part A2: Calculation of Interest on Remaining TU Balance:							
13	Interest Expense Calculations:							
14	\$ (47,247,099)	\$ (47,247,099)	\$ (47,247,099)	\$ (47,634,525)	\$ (47,634,525)	\$ (47,634,525)	\$ (48,039,419)	\$ (48,039,419)
15								
16	(47,247,099)	(47,247,099)	(47,247,099)	(47,634,525)	(47,634,525)	(47,634,525)	(48,039,419)	(48,039,419)
17	0.28%	0.26%	0.28%	0.28%	0.29%	0.28%	0.30%	0.30%
18	\$ (132,292)	\$ (122,842)	\$ (132,292)	\$ (133,377)	\$ (138,140)	\$ (133,377)	\$ (144,118)	\$ (144,118)
19								
20	\$ (47,379,391)	\$ (47,502,233)	\$ (47,634,525)	\$ (47,767,902)	\$ (47,906,042)	\$ (48,039,419)	\$ (48,183,537)	\$ (48,327,655)
21	3.25%	3.25%	3.25%	3.46%	3.46%	3.46%	3.50%	3.50%
22	366	366	366	366	366	366	366	366
23	31	29	31	30	31	30	31	31
24	0.28%	0.26%	0.28%	0.28%	0.29%	0.28%	0.30%	0.30%
25	0.28%	0.26%	0.28%	0.28%	0.29%	0.28%	0.30%	0.30%
26	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
27								
28	NOTES:							
a	The (overcollection)/undercollection balance in column (a), line 1, comes from the prior year's True-Up Adjustment calculation. The Interest True-Up Adjustment accrues interest on the unamortized balance of the True-Up Adjustment from the end of the True-Up Period through the end of the prior cycle's Rate Effective Period. SDG&E follows a convention of fully amortizing the True-Up Adjustment plus accrued interest at the end of the Rate Effective Period. The total Interest True-Up Adjustment amount, as shown on line 18, sum of column (m) (TU_2016 tab) and column (z) (TU_2017 tab) is a component of BTRR.							
b	The months indicated in columns (a) through (i) pertain to the 12-month Base Period following the end of the True-Up Period.							
c	Beginning Balance for Interest Calculation Remains Constant for each 3 Month Quarter as Interest is Compounded Quarterly on these amounts pursuant to FERC Interest Methodology - per 18 CFR Section 35.19 (2) (iii) (B).							
d	Monthly Activity Calculated as Follows:							
a)	1st Month of Quarter = Column (a), Line 10 Divided by 2.							
b)	2nd Month of Quarter = Column (a), Line 10 + (Column (b), Line 10 Divided by 2).							
c)	3rd Month of Quarter = Column (a), Line 10 + Column (b), Line 10 + (Column (c), Line 10 Divided by 2, Column (d), (e), (f), etc. repeats the process outlined in a), b), and c) above.							
e	The FERC interest rate information comes from the FERC website.							

Section 4.1.1
San Diego Gas and Electric Company
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Interest True-Up Adjustment Applicable to TO4-Cycle 4 - CAISO Wholesale

Line No.	(Base Period Following the end of the True-Up Period)	(i) ^b Sep-16	(j) ^b Oct-16	(k) ^b Nov-16	(l) ^b Dec-16	(m) Total	Reference	Line No.
1	Beginning True-Up Adjustment (Overcollection)/Undercollection^a	\$ (48,327,655)	\$ (48,466,969)	\$ (48,612,370)	\$ (48,752,924)		Previous Month's Ending Balance from Line 20	1
2								2
3	Part A1: Amortization of True-Up Adjustment Balance:							3
4	Total Recorded Sales kWhs @ <i>Transmission Level</i>	-	-	-	-	-	N/A for January-December 2016	4
5								5
6	Rate per KWH @ <i>Transmission Level</i>	\$ -	\$ -	\$ -	\$ -		N/A for January-December 2016	6
7								7
8	Amortization of True-Up Adjustment Balance + Accrued Interest	\$ -	\$ -	\$ -	\$ -		Line 4 x Line 6	8
9								9
10	Net Monthly Collection/(Refunds)	\$ -	\$ -	\$ -	\$ -		Minus Line 8 from Columns (a) through (l)	10
11								11
12	Part A2: Calculation of Interest on Remaining TU Balance:							12
13	Interest Expense Calculations:							13
14	Beginning Balance for Interest Calculation ^c	\$ (48,039,419)	\$ (48,466,969)	\$ (48,466,969)	\$ (48,466,969)		Balance at Beginning of Quarter	14
15	Monthly Activity Included in Interest Calculation Basis ^d							15
16	Basis for Interest Expense Calculation	(48,039,419)	(48,466,969)	(48,466,969)	(48,466,969)		Line 14 + Line 15	16
17	Monthly Interest Rate	0.29%	0.30%	0.29%	0.30%		FERC Monthly Rates From Line 26 Below	17
18	Interest Expense	\$ (139,314)	\$ (145,401)	\$ (140,554)	\$ (145,401)		Line 16 x Line 17 - Columns (a) through (l)	18
19								19
20	Ending Balance (Overcollection)/Undercollection	\$ (48,466,969)	\$ (48,612,370)	\$ (48,752,924)	\$ (48,898,325)		Line 1 + Line 10 + Line 18	20
21								21
22	FERC INTEREST RATE ^e	3.50%	3.50%	3.50%	3.50%		Annual Interest Rate from FERC Website	22
23	Days in Year ^e	366	366	366	366		Number of Days Per Year from FERC Website	23
24	Days in Month ^e	30	31	30	31		Number of Days Per Month from FERC Website (Line 22)/(Line 23)(Line 24)	24
25	Monthly Interest Rate - Calculated	0.29%	0.30%	0.29%	0.30%		Monthly Interest Rate from FERC Website	25
26	FERC Interest Rates - Website ^e	0.29%	0.30%	0.29%	0.30%		Line 25 Minus Line 26	26
27	Difference	0.00%	0.00%	0.00%	0.00%			27
	NOTES:							
	a The (overcollection)/undercollection balance in column (a), line 1, comes from the prior year's True-Up Adjustment calculation. The Interest True-Up Adjustment accrues interest on the unamortized balance of the True-Up Adjustment from the end of the True-Up Period through the end of the prior cycle's Rate Effective Period. SDG&E follows a convention of fully amortizing the True-Up Adjustment plus accrued interest at the end of the Rate Effective Period. The total Interest True-Up Adjustment amount, as shown on line 18, sum of column (m) (TU_2016 tab) and column (z) (TU_2017 tab) is a component of BTRR.							
	b The months indicated in columns (a) through (l) pertain to the 12-month Base Period following the end of the True-Up Period.							
	c Beginning Balance for Interest Calculation Remains Constant for each 3 Month Quarter as Interest is Compounded Quarterly on these amounts pursuant to FERC Interest Methodology - per 18 CFR Section 35.19 (2) (iii) (B).							
	d Monthly Activity Calculated as Follows: a) 1st Month of Quarter = Column (a), Line 10 Divided by 2. b) 2nd Month of Quarter = Column (a), Line 10 + Column (b), Line 10 Divided by 2. c) 3rd Month of Quarter = Column (a), Line 10 + Column (b), Line 10 + (Column (c), Line 10 Divided by 2. Column (d), (e), (f), etc. repeats the process outlined in a), b), and c) above.							
	e The FERC interest rate information comes from the FERC website.							

**Section 4.1.1
San Diego Gas and Electric Company
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Interest True-Up Adjustment Applicable to TO4-Cycle 4 - CAISO Wholesale**

Line No.	Rate Effective Period from Prior Cycle 4 Filing	(n) b, g	(o) b, g	(p) b, g	(q) b, g	(r) b, g	(s) b, g	(t) b, g	(u) b	
		Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	
1	Beginning True-Up Adjustment (Overcollection)/Undercollection^a	\$ (48,898,325)	\$ (44,908,766)	\$ (41,366,736)	\$ (37,687,361)	\$ (34,193,900)	\$ (30,755,882)	\$ (26,914,083)	\$ (22,611,729)	
2										
3	Part A1: Amortization of True-Up Adjustment Balance:									
4	Total Recorded Sales kWh @ <i>Transmission Level</i>	1,690,317,471	1,497,103,067	1,554,010,132	1,473,838,131	1,449,407,605	1,607,433,186	1,795,232,950	1,810,089,619	
5										
6	Rate per KWH @ <i>Transmission Level^f</i>	\$ (0.00244)	\$ (0.00244)	\$ (0.00244)	\$ (0.00244)	\$ (0.00244)	\$ (0.00244)	\$ (0.00244)	\$ (0.00244)	
7										
8	Amortization of True-Up Adjustment Balance + Accrued Interest	\$ (4,130,059)	\$ (3,657,966)	\$ (3,797,010)	\$ (3,601,121)	\$ (3,541,428)	\$ (3,927,542)	\$ (4,386,405)	\$ (4,422,705)	
9										
10	Net Monthly Collection/(Refunds)	\$ 4,130,059	\$ 3,657,966	\$ 3,797,010	\$ 3,601,121	\$ 3,541,428	\$ 3,927,542	\$ 4,386,405	\$ 4,422,705	
11										
12	Part A2: Calculation of Interest on Remaining TU Balance:									
13	Interest Expense Calculations:									
14	Beginning Balance for Interest Calculation ^e	\$ (48,898,325)	\$ (48,898,325)	\$ (48,898,325)	\$ (48,898,325)	\$ (48,898,325)	\$ (48,898,325)	\$ (48,898,325)	\$ (48,898,325)	
15	Monthly Activity Included in Interest Calculation Basis ^d	2,065,030	5,959,042	9,686,530	1,800,561	5,371,835	9,106,320	2,193,203	6,597,758	
16	Basis for Interest Expense Calculation	(46,833,296)	(42,939,283)	(39,211,795)	(35,886,801)	(32,315,526)	(28,581,041)	(24,720,881)	(20,316,326)	
17	Monthly Interest Rate	0.30%	0.27%	0.30%	0.30%	0.32%	0.30%	0.34%	0.34%	
18	Interest Expense	\$ (140,500)	\$ (115,936)	\$ (117,635)	\$ (107,660)	\$ (103,410)	\$ (85,743)	\$ (84,051)	\$ (69,076)	
19										
20	Ending Balance (Overcollection)/Undercollection	\$ (44,908,766)	\$ (41,366,736)	\$ (37,687,361)	\$ (34,193,900)	\$ (30,755,882)	\$ (26,914,083)	\$ (22,611,729)	\$ (18,258,100)	
21										
22	FERC INTEREST RATE ^e	3.50%	3.50%	3.50%	3.71%	3.71%	3.71%	3.96%	3.96%	
23	Days in Year ^e	365	365	365	365	365	365	365	365	
24	Days in Month ^e	31	28	31	30	31	30	31	31	
25	Monthly Interest Rate - Calculated	0.30%	0.27%	0.30%	0.30%	0.32%	0.30%	0.34%	0.34%	
26	FERC Interest Rates - Website ^e	0.30%	0.27%	0.30%	0.30%	0.32%	0.30%	0.34%	0.34%	
27	Difference	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	NOTES:									
a	The (overcollection)/undercollection balance in column (a), line 1, comes from the prior year's True-Up Adjustment calculation. The Interest True-Up Adjustment accrues interest on the unamortized balance of the True-Up Adjustment from the end of the True-Up Period through the end of the prior cycle's Rate Effective Period. SDG&E follows a convention of fully amortizing the True-Up Adjustment plus accrued interest at the end of the Rate Effective Period. The total Interest True-Up Adjustment amount, as shown on line 18, sum of column (m) (TU_2016 tab) and column (z) (TU_2017 tab) is a component of BTRR.									
b	The months indicated in columns (a) through (l) pertain to the 12-month Base Period following the end of the True-Up Period, while columns (n) through (y) pertain to the prior cycle's Rate Effective Period.									
c	Beginning Balance for Interest Calculation Remains Constant for each 3 Month Quarter as Interest is Compounded Quarterly on these amounts pursuant to FERC Interest Methodology - per 18 CFR Section 35.19 (2) (iii) (B).									
d	Monthly Activity Calculated as Follows:									
	a) 1st Month of Quarter = Column (a), Line 10 Divided by 2.									
	b) 2nd Month of Quarter = Column (a), Line 10 + Column (b), Line 10 Divided by 2.									
	c) 3rd Month of Quarter = Column (a), Line 10 + Column (b), Line 10 + Column (c), Line 10 + Column (d), (e), (f), etc. repeats the process outlined in a), b), and c) above.									
e	The FERC interest rate information comes from the FERC website.									
f	The Amortization Rate per KWH in column (n), line 6, represents the amount of the prior year's True-Up Adjustment + Accrued Interest, amortized over the 12-month prior cycle's rate effective period.									
g	Indicates Actual Recorded Sales reported for the year.									
h	Annual and Monthly FERC Interest Rates for July 2017 through December 2017 have been temporarily updated using the Q2 2017 rates to derive a more accurate Interest True-Up adjustment.									

**Section 4.1.1
San Diego Gas and Electric Company
TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
Derivation of Interest True-Up Adjustment Applicable to TO4-Cycle 4 - CAISO Wholesale**

Line No.	Rate Effective Period from Prior Cycle 4 Filing	(v) Sep-17	(w) Oct-17	(x) Nov-17	(y) Dec-17	(z) Total	Reference	Line No.
1	Beginning True-Up Adjustment (Overcollection)/Undercollection^a	\$ (18,258,100)	\$ (13,373,375)	\$ (9,032,669)	\$ (5,025,567)		Previous Month's Ending Balance from Line 20	1
2								2
3	Part A1: Amortization of True-Up Adjustment Balance:							3
4	Total Recorded Sales kWh @ <i>Transmission Level</i>	2,020,300,171	1,792,092,668	1,649,421,549		18,339,246,549	Section 4.1.3; Page 1; Line 37 x 1000	4
5								5
6	Rate per KWH @ <i>Transmission Level^f</i>	\$ (0.00244)	\$ (0.00244)	\$ (0.00244)			(Line 1; Col (n)) / (Section 4.1.3; Page 1; Line 37 x 1000)	6
7								7
8	Amortization of True-Up Adjustment Balance + Accrued Interest	\$ (4,936,326)	\$ (4,378,732)	\$ (4,030,135)	\$ (5,033,889)	\$ (49,843,318)	Line 4 x Line 6	8
9								9
10	Net Monthly Collection/(Refunds)	\$ 4,936,326	\$ 4,378,732	\$ 4,030,135	\$ 5,033,889	\$ 49,843,318	Minus Line 8 from Columns (n) through (y)	10
11								11
12	Part A2: Calculation of Interest on Remaining TU Balance:							12
13	Interest Expense Calculations:							13
14	Beginning Balance for Interest Calculation ^e	\$ (26,914,083)	\$ (13,373,375)	\$ (13,373,375)	\$ (13,373,375)		Balance at Beginning of Quarter	14
15	Monthly Activity Included in Interest Calculation Basis ^d	11,277,273	2,189,366	6,393,800	10,925,812			15
16	Basis for Interest Expense Calculation	(15,636,810)	(11,184,009)	(6,979,576)	(2,447,564)		Line 14 + Line 15	16
17	Monthly Interest Rate	0.33%	0.34%	0.33%	0.34%		FERC Monthly Rates From Line 26 Below	17
18	Interest Expense	\$ (51,601)	\$ (38,026)	\$ (23,033)	\$ (8,322)	\$ (944,993)	Line 16 x Line 17 - Columns (n) through (y) + Column (m)	18
19								19
20	Ending Balance (Overcollection)/Undercollection	\$ (13,373,375)	\$ (9,032,669)	\$ (5,025,567)	\$ -	\$ -	Line 1 (col. n) + Line 10 (col. z) + Line 18 (col. z)	20
21								21
22	FERC INTEREST RATE ^e	3.96%	3.96%	3.96%	3.96%		Annual Interest Rate from FERC Website	22
23	Days in Year ^e	365	365	365	365	365	Number of Days Per Year from FERC Website	23
24	Days in Month ^e	30	31	30	31	365	Number of Days Per Month from FERC Website	24
25	Monthly Interest Rate - Calculated	0.33%	0.34%	0.33%	0.34%	3.81%	(Line 22)/(Line 23)(Line 24)	25
26	FERC Interest Rates - Website ^e	0.33%	0.34%	0.33%	0.34%	3.81%	Monthly Interest Rate from FERC Website	26
27	Difference	0.00%	0.00%	0.00%	0.00%	0.00%	Line 25 Minus Line 26	27
	NOTES:							
	a The (overcollection)/undercollection balance in column (a), line 1, comes from the prior year's True-Up Adjustment calculation. The Interest True-Up Adjustment accrues interest on the unamortized balance of the True-Up Adjustment from the end of the True-Up Period through the end of the prior cycle's Rate Effective Period. SDG&E follows a convention of fully amortizing the True-Up Adjustment plus accrued interest at the end of the Rate Effective Period. The total Interest True-Up Adjustment amount, as shown on line 18, sum of column (m) (TU_2016 tab) and column (z) (TU_2017 tab) is a component of BTRR.							
	b The months indicated in columns (a) through (l) pertains to the 12-month Base Period following the end of the True-Up Period, while columns (n) through (y) pertains to the prior cycle's Rate Effective Period.							
	c Beginning Balance for Interest Calculation Remains Constant for each 3 Month Quarter as Interest is Compounded Quarterly on these amounts pursuant to FERC Interest Methodology - per 18 CFR Section 35.19 (2) (iii) (B).							
	d Monthly Activity Calculated as Follows:							
	a) 1st Month of Quarter = Column (a), Line 10 Divided by 2.							
	b) 2nd Month of Quarter = Column (a), Line 10 + Column (b), Line 10 Divided by 2.							
	c) 3rd Month of Quarter = Column (a), Line 10 + Column (b), Line 10 + Column (c), Line 10 Divided by 2. Column (d), (e), (f), etc. repeats the process outlined in a), b), and c) above.							
	e The FERC interest rate information comes from the FERC website.							
	f The Amortization Rate per KWH in column (n), line 6, represents the amount of the prior year's True-Up Adjustment + Accrued Interest, amortized over the 12-month prior cycle's rate effective period.							
	g Indicates Actual Recorded Sales reported for the year.							
	h Annual and Monthly FERC Interest Rates for July 2017 through December 2017 have been temporarily updated using the Q2 2017 rates to derive a more accurate Interest True-Up adjustment.							

San Diego Gas & Electric Company

Section 4.1.2

Derivation of CAISO-WHOLESALE Interest True-Up Adjustment Amortization Rate

Docket No. ER18-____-____

Section 4.1.2
 San Diego Gas and Electric Company
 TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
 Derivation of Amortization Rate for TO4-Cycle 4 12-Month True-Up - CAISO Wholesale

Line No.	Description	(a) Total	(b) Jan-17	(c) Feb-17	(d) Mar-17	(e) Apr-17	(f) May-17	(g) Jun-17	(h) Jul-17
1	Derivation of Amortization Rate for TO4-Cycle 4:								
2	Beginning Balance (Overcollection)/Undercollection	\$ (48,898,325)							
3	Includes Accrued Interest from January 2016 - December 2016								
4									
5	Estimated Consumption Jan 17-Dec 17 @ <i>Transmission Level</i> :	20,012,716,835	1,690,317,471	1,497,103,067	1,554,010,132	1,473,838,131	1,449,407,605	1,607,433,186	1,795,232,950
6									
7	Total Consumption (kWh) - <i>Transmission Level</i> :	20,012,716,835							
8									
9	Amortization Rate Per kWh @ <i>Transmission Level</i> :	\$ (0.00244)							
10									

Section 4.1.2
 San Diego Gas and Electric Company
 TO4-Cycle 5 Annual Transmission Formulaic Rate Filing
 Derivation of Amortization Rate for TO4-Cycle 4 12-Month True-Up - CAISO Wholesale

Line No.	Description	(a) Total	(i) Aug-17	(j) Sep-17	(k) Oct-17	(l) Nov-17	(m) Dec-17	Reference	Line No.
1	Derivation of Amortization Rate for TO4-Cycle 4:								1
2	Beginning Balance (Overcollection)/Undercollection	\$ (48,898,325)						Section 4.1.1; Pg. 2.A; col. n; Line 1	2
3	Includes Accrued Interest from January 2016 - December 2016							TO4-Cycle 5 Instant Filing;	3
4								TU Adjustment + Interest	4
5	Estimated Consumption Jan 17-Dec 17 @ <i>Transmission Level</i> :	20,012,716,835	1,810,089,619	2,020,300,171	1,792,092,668	1,649,421,549	1,673,470,286	Section 4.1.3; Pages 1; Line 37	5
6									6
7	Total Consumption (kWh) - <i>Transmission Level</i> :	20,012,716,835						Line 5	7
8									8
9	Amortization Rate Per kWh @ <i>Transmission Level</i> :	\$ (0.00244)						Line 2 / Line 7	9
10									10

San Diego Gas & Electric Company

Section 4.1.3

Forecast Sales Used for the Derivation of CAISO-WHOLESALE Interest True-Up Adjustment

Docket No. ER18-____ - ____

SECTION 4.1.3														
San Diego Gas & Electric Company														
FERC Forecast Consumption Converted from Retail Level to Transmission Level														
FERC Recorded & Forecast Period: January 2017 - December 2017														
Line No.		Recorded ^a Jan-17	Recorded ^a Feb-17	Recorded ^a Mar-17	Recorded ^a Apr-17	Recorded ^a May-17	Recorded ^a Jun-17	Recorded ^a Jul-17	Forecast ^a Aug-17	Forecast ^a Sep-17	Forecast ^a Oct-17	Forecast ^a Nov-17	Forecast ^a Dec-17	Line No.
1	SDG&E: System Delivery Determinants													1
2	Customer Class Deliveries (MWh)													2
3	Residential	631,943	544,879	496,264	451,122	457,205	480,712	607,055	604,240	696,544	594,510	526,870	588,818	3
4	Transmission Level Adjustment Factor	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	4
5	Residential @ Transmission Level	661,645	570,488	519,588	472,325	478,693	503,306	635,587	632,639	729,281	622,452	551,633	616,493	5
6														6
7	Small Commercial	174,784	166,895	181,453	173,468	173,480	183,018	201,167	199,938	217,207	196,523	180,134	177,291	7
8	Transmission Level Adjustment Factor	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	8
9	Small Commercial @ Transmission Level	182,999	174,739	189,982	181,621	181,633	191,619	210,622	209,335	227,415	205,759	188,600	185,624	9
10														10
11	Med. & Large Comm./Ind. (AD)	2,577	2,309	2,692	2,581	2,518	2,501	3,216	2,993	3,300	2,932	2,636	2,487	11
12	Transmission Level Adjustment Factor	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	12
13	Med&Lrg C/I (AD)@Trans. Level	2,671	2,394	2,790	2,676	2,610	2,593	3,333	3,103	3,420	3,039	2,732	2,578	13
14														14
15	Med. & Large Comm./Ind. (AY + AL + DGR)	721,712	642,564	729,238	703,292	670,912	787,343	834,653	827,929	910,075	827,247	775,568	743,640	15
16	Transmission Level Adjustment Factor	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	16
17	Med&Lrg C/I (AY + AL + DGR)@Trans Level	748,101	666,059	755,902	729,007	695,443	816,132	865,172	858,202	943,352	857,495	803,927	770,831	17
18														18
19	Med. & Large Comm./Ind. (A6)	67,323	62,032	54,450	56,018	51,197	52,930	36,924	65,343	72,790	64,353	66,735	65,969	19
20	Transmission Level Adjustment Factor	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	1.03656	20
21	Med. & Large Comm./Ind. (A6) @ Trans Level	69,784	64,300	56,441	58,066	53,069	54,865	38,274	67,733	75,452	66,706	69,175	68,381	21
22														22
23	Agriculture (PA + TOU-PA)	4,312	3,842	4,496	7,219	8,419	8,959	10,961	8,712	9,250	8,042	6,991	5,730	23
24	Transmission Level Adjustment Factor	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	24
25	Agriculture (PA + TOU-PA) @ Trans Level	4,496	4,006	4,688	7,528	8,779	9,342	11,430	9,085	9,646	8,387	7,290	5,975	25
26														26
27	Agriculture (PA-T-1)	10,807	7,453	14,313	16,791	21,044	19,172	24,692	21,696	23,002	20,000	17,804	15,145	27
28	Transmission Level Adjustment Factor	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	1.04280	28
29	Agriculture (PA-T-1) @ Trans Level	11,270	7,772	14,926	17,510	21,944	19,993	25,749	22,624	23,986	20,856	18,566	15,794	29
30														30
31	Lighting	8,932	7,016	9,258	4,876	6,911	9,153	4,839	7,038	7,399	7,067	7,163	7,445	31
32	Transmission Level Adjustment Factor	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	1.04700	32
33	Street Lighting @ Transmission Level	9,351	7,345	9,693	5,105	7,236	9,583	5,066	7,369	7,747	7,399	7,499	7,795	33
34														34
35	Sale for Resale	7.7	0.0	13.9	0.0	0.0	31.4	11.6	2.8	3.0	2.8	2.9	3.0	35
36	Total System Delivery@Meter Exclude Resale	1,622,390	1,436,989	1,492,164	1,415,367	1,391,684	1,543,788	1,723,507	1,737,890	1,939,567	1,720,674	1,583,900	1,606,526	36
37	Total System Delivery@Trans. Exclude Resale	1,690,317	1,497,103	1,554,010	1,473,838	1,449,408	1,607,433	1,795,233	1,810,090	2,020,300	1,792,093	1,649,422	1,673,470	37

Per TO4 Formula Appendix VIII, the September 1st Forecast is to be comprised of 7 months Actual consumption and 5 months Forecasted consumption to derive the interest true-up adjustment.