

**SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY
TCAP Phase 2**

**Workpapers to the Prepared Direct Testimony of
Sim-Cheng Fung**

Revised November 19, 2015

**SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY
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**Section 1
Transmission Embedded Cost Study**

**Workpapers to the Prepared Direct Testimony of
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Table 1
Total Transmission Costs

	(A) SoCalGas (\$MM)	(B) SDG&E (\$MM)	C = (A) + (B) Total (\$MM)
Capital-related Costs	89.1	19.9	109.0
O&M, A&G Expenses	125.8	18.3	144.1
	<u>214.9</u>	<u>38.2</u>	<u>253.1</u>

Table 2
SoCalGas' Backbone Transmission Costs

	(A) SoCalGas Transmission (\$MM)	(B) Backbone Transmission (\$MM)	C = (A) x (B) SoCalGas Backbone (\$MM)
Capital-related Costs	89.1	68.4%	60.9
O&M, A&G Expenses	125.8	71.0%	89.3
	<u>214.9</u>		<u>150.2</u>

Table 3
Embedded Backbone Transmission Costs for 2017

	(A) SoCalGas (\$MM)	(B) SDG&E (\$MM)	C = (A) + (B) Total Backbone Costs (\$MM)	(D) Througput Assumption MDth/d	(E) = (D) x 365 Annual Througput Assumption MDth	(F) = C/(E) BTS Rate \$/Dth
Backbone Transmission Costs	150.2	38.2	188.4	2,818	1,028,420	0.1832

Row		(A) 2013 SoCalGas Backbone Transmission Costs (\$000)	(B) 2013 SoCalGas Local Transmission Costs (\$000)	(C) 2013 SoCalGas Total Transmission Costs (\$000)	(D) 2013 SoCalGas' Backbone Transmission/Total Transmission Costs (%)
1	a) Depreciation *	28,459	12,859	41,319	68.9%
2	b) Return *	31,124	14,712	45,836	67.9%
3	c) Taxes *	1,297	613	1,910	67.9%
4	Subtotal:Capital-Related Costs	60,880	28,185	89,065	68.4%
5	O&M **	80,090	32,731	112,820	71.0%
6	A&G **	9,236	3,775	13,011	71.0%
7	Total	150,206	64,690	214,896	69.9%

* Based on SoCalGas' backbone pipelines & compressor stations.

** Based on SoCalGas' pipeline mileage.

2013 SoCalGas Transmission (\$000)

Row	Transmission (\$)			% of Net		Footage	Footage %
				Book Cost	Accum Depr		
1	365	Land, Land rights, Rights-of-Way	24,528	(15,077)	9,451		
2	366	Structures & Improvements	35,154	(20,867)	14,287		
3	367	Mains : Backbone Transmission	865,066	(367,893)	497,173	11,096,357	71.0%
4	367	Mains : Local Transmission	496,099	(210,980)	285,119	4,534,822	29.0%
5	368	Compressor Station Equipment	206,667	(106,710)	99,957	15,631,179	100.0%
		Measuring & Regulating Station					
6	369	Equipment	63,176	(26,635)	36,541	2,102 miles	
7	371	Other Equipment	5,181	(2,714)	2,466	859 miles	
8		Total Transmission	1,695,870	(750,877)	944,994	2,960 miles	100.0%
		Backbone Transmission (\$)					
9	365	Land, Land rights, Rights-of-Way	17,412	(10,703)	6,709		
10	366	Structures & Improvements	24,955	(14,814)	10,142		
11	367	Mains : Backbone Transmission	865,066	(367,893)	497,173		
12	368	Compressor Station Equipment	206,667	(106,710)	99,957		
		Measuring & Regulating Station					
13	369	Equipment	44,848	(18,908)	25,940		
14	371	Other Equipment	3,678	(1,927)	1,751		
15		Total Backbone	1,162,626	(520,955)	641,671		68.9%
		Local Transmission (\$)					
16	365	Land, Land rights, Rights-of-Way	7,116	(4,374)	2,742		
17	366	Structures & Improvements	10,199	(6,054)	4,145		
18	367	Mains : Local Transmission	496,099	(210,980)	285,119		
		Measuring & Regulating Station					
19	369	Equipment	18,328	(7,727)	10,601		
20	371	Other Equipment	1,503	(787)	716		
21		Total Local	533,244	(229,922)	303,322		32.1%

Tag Number	Sum of Net Book Value	Sum of Dep. Expense	Sum of Footage (Ft)	BB	LT	DIST	NOTES
53	\$ (9,486)	\$ (711)	6,617	100%	0%	0%	
85	\$ 43,644,237	\$ (1,492,825)	773,177	100%	0%	0%	
90	\$ (10,238)	\$ (576)	4,247	100%	0%	0%	
103	\$ 403,761	\$ (13,255)	50,203	100%	0%	0%	
119	\$ 6,737,382	\$ (259,362)	90,692	100%	0%	0%	
127	\$ 308,003	\$ (7,728)	-	100%	0%	0%	
169	\$ (4,047)	\$ (364)	1,392	100%	0%	0%	
174	\$ (219)	\$ (31)	-	100%	0%	0%	
203	\$ 213,578	\$ (6,785)	47,883	100%	0%	0%	
225	\$ 6,776,031	\$ (561,068)	434,413	100%	0%	0%	
235	\$ 34,638,452	\$ (1,350,050)	1,243,936	100%	0%	0%	
245	\$ (6,351)	\$ (1,430)	7,275	100%	0%	0%	
247	\$ 2,977,799	\$ (121,996)	128,719	100%	0%	0%	
293	\$ 752,739	\$ (25,243)	62,895	100%	0%	0%	
294	\$ (11,779)	\$ (1,330)	3,493	100%	0%	0%	
300	\$ 396	\$ (1,358)	3,244	100%	0%	0%	
303	\$ (3,704)	\$ (1,216)	6,947	100%	0%	0%	
309	\$ (7,591)	\$ (1,409)	3,853	100%	0%	0%	
324	\$ 7,235,757	\$ (390,625)	187,492	75%	25%	0%	BB/LT
335	\$ 17,199,219	\$ (889,818)	344,098	100%	0%	0%	
404	\$ 10,377,490	\$ (296,775)	241,712	80%	20%	0%	BB/LT
406	\$ 6,080,054	\$ (248,986)	231,299	86%	14%	0%	BB/LT
963	\$ 23,305	\$ (823)	1,291	100%	0%	0%	
1004	\$ 8,241,793	\$ (277,624)	186,834	100%	0%	0%	
1005	\$ 3,327,028	\$ (241,187)	204,799	100%	0%	0%	
1027	\$ 4,329,637	\$ (151,865)	181,992	100%	0%	0%	
1028	\$ 4,374,993	\$ (191,432)	182,356	100%	0%	0%	
1030	\$ 4,350,103	\$ (180,648)	166,900	100%	0%	0%	
1031	\$ 46,726	\$ (4,395)	5,654	100%	0%	0%	
1180	\$ 4,279,847	\$ (112,357)	20,128	100%	0%	0%	
1181	\$ 2,630,323	\$ (90,307)	27,756	100%	0%	0%	
1185	\$ 3,680,580	\$ (201,661)	81,655	100%	0%	0%	
1186	\$ 11,591	\$ (972)	576	100%	0%	0%	
1187	\$ 1,595	\$ (583)	595	100%	0%	0%	
1192	\$ 3,237,192	\$ (249,295)	63,000	100%	0%	0%	
1201	\$ (4,348)	\$ (977)	2,006	100%	0%	0%	
1215	\$ (158)	\$ (104)	172	100%	0%	0%	
1216	\$ (158)	\$ (104)	175	100%	0%	0%	
1220	\$ 1,396	\$ (70)	197	100%	0%	0%	
1221	\$ 367,124	\$ (9,076)	339	100%	0%	0%	
1229	\$ 704,207	\$ (17,678)	156	100%	0%	0%	
2000	\$ 33,573,207	\$ (1,213,610)	1,070,509	90%	10%		
2001	\$ 29,781,986	\$ (1,248,532)	951,901	97%	3%		
2005	\$ (15,207)	\$ (947)	1,501	100%	0%	0%	
2051	\$ 1,104,294	\$ (216,414)	238,838	100%	0%	0%	
3000	\$ 48,725,171	\$ (1,566,270)	735,167	82%	18%	0%	BB/LT
3003	\$ 6,634,505	\$ (250,857)	94,747	62%	38%	0%	BB/LT
3006	\$ (2,050)	\$ (151)	20	100%	0%	0%	
3008	\$ (53,850)	\$ (9,821)	10,926	100%	0%	0%	
3009	\$ (3,153)	\$ (392)	564	100%	0%	0%	
4000	\$ 20,698,990	\$ (745,102)	620,037	100%	0%	0%	
4002	\$ 4,996,657	\$ (352,429)	256,791	100%	0%	0%	
5000	\$ 19,654,931	\$ (1,258,033)	643,504	100%	0%	0%	
5002	\$ (4,406)	\$ (1,266)	3,972	100%	0%	0%	
5010	\$ (2,740)	\$ (1,100)	848	100%	0%	0%	
5012	\$ (7,747)	\$ (2,225)	981	100%	0%	0%	
5015	\$ 474	\$ (484)	1,533	100%	0%	0%	
5034	\$ 4,678	\$ (651)	500	100%	0%	0%	

Tag Number	Sum of Net Book Value	Sum of Dep. Expense	Sum of Footage (Ft)	BB	LT	DIST	NOTES
5036	\$ 32,970	\$ (3,769)	92	100%	0%	0%	
5041	\$ 970,563	\$ (24,024)	1,783	100%	0%	0%	
5043	\$ 228,956	\$ (12,941)	6,435	100%	0%	0%	
6900	\$ 27,131,493	\$ (953,365)	189,048	100%	0%	0%	
6901	\$ 19,004	\$ (1,157)	1,539	100%	0%	0%	
6904	\$ 1,761,462	\$ (47,559)	3,630	100%	0%	0%	
6905	\$ 27,736,774	\$ (844,574)	167,543	100%	0%	0%	
6906	\$ 14,007,693	\$ (353,937)	95,716	100%	0%	0%	
6907	\$ 1,321	\$ (39)	590	100%	0%	0%	
6916	\$ 66,396,341	\$ (1,492,715)	195,237	100%	0%	0%	
7039	\$ 4,491,660	\$ (216,323)	95,753	100%	0%	0%	
7053	\$ 913,221	\$ (54,027)	43,552	100%	0%	0%	
7200	\$ 516,288	\$ (66,424)	47,750	100%	0%	0%	
8100	\$ 598,402	\$ (29,815)	529	100%	0%	0%	
8105	\$ 1,002,264	\$ (27,474)	110,932	100%	0%	0%	
8106	\$ 934,272	\$ (25,219)	124,080	100%	0%	0%	
8107	\$ 41,300	\$ (1,130)	4,593	100%	0%	0%	
8108	\$ 90,742	\$ (2,497)	13,042	100%	0%	0%	
8109	\$ 6,407,778	\$ (171,970)	303,663	100%	0%	0%	
8110	\$ 677,629	\$ (18,537)	58,344	100%	0%	0%	
Total BBT	495,940,132	(18,619,874)	11,096,357				
Total BBT (%)	63.6%	65.9%	71.0%				
Local T	284,412,251	(9,630,886)	4,534,822				
Local T(%)	36.4%	34.1%	29.0%				
Total SCG							
Transmission	780,352,384	(28,250,760)	15,631,179				

Data					BB	LT	DIST	NOTES
Tag Number	Sum of Net Book Value	Sum of Dep. Expense	Sum of Footage (Ft)					
12	\$ 30,292	\$ (2,822)	748		0%	100%	0%	
104	\$ 70,407	\$ (3,773)	16,571		0%	100%	0%	
115	\$ 8,573,801	\$ (420,416)	95,860		0%	100%	0%	
133	\$ (19,061)	\$ (1,484)	16,991		0%	100%	0%	
145	\$ 16,268	\$ (2,439)	4,089		0%	100%	0%	
160	\$ 1,426,095	\$ (40,539)	-		0%	100%	0%	
173	\$ (48,712)	\$ (3,197)	27,541		0%	100%	0%	
202	\$ 18,810	\$ (2,261)	4,425		0%	100%	0%	
214	\$ (21,541)	\$ (2,541)	19,949		0%	100%	0%	
222	\$ (6,329)	\$ (474)	9,956		0%	100%	0%	
317	\$ 1,475,883	\$ (38,416)	11,594		0%	100%	0%	
321	\$ (1,081)	\$ (243)	1,515		0%	100%	0%	
324	\$ 2,457,153	\$ (132,650)	63,669		75%	25%	0%	BB/LT
325	\$ 8,551,019	\$ (238,882)	10,339		0%	100%	0%	
404	\$ 2,518,608	\$ (72,027)	58,663		80%	20%	0%	BB/LT
406	\$ 958,675	\$ (39,259)	36,470		86%	14%	0%	BB/LT
407	\$ 10,364,689	\$ (287,427)	66,490		0%	100%	0%	
408	\$ 242,243	\$ (6,823)	674		0%	100%	0%	
512	\$ 439,841	\$ (17,889)	15,605		0%	100%	0%	
765	\$ 29,181,532	\$ (1,194,034)	189,028		0%	100%	0%	
767	\$ 1,272,764	\$ (52,036)	28,826		0%	100%	0%	
775	\$ 626,356	\$ (14,154)	487		0%	100%	0%	
800	\$ 3,710,944	\$ (135,692)	137,219		0%	100%	0%	
1003	\$ 1,219,095	\$ (139,711)	209,151		0%	100%	0%	
1010	\$ 528,631	\$ (78,416)	168,097		0%	100%	0%	
1011	\$ 638,386	\$ (29,635)	26,733		0%	100%	0%	
1013	\$ 2,902,302	\$ (83,763)	25,055		0%	100%	0%	
1014	\$ 5,860,765	\$ (253,717)	123,984		0%	100%	0%	
1015	\$ 7,132,649	\$ (86,696)	49,854		0%	100%	0%	
1016	\$ 6,850,720	\$ (256,326)	72,536		0%	100%	0%	
1017	\$ 13,823,924	\$ (362,810)	73,169		0%	100%	0%	
1018	\$ 6,082,030	\$ (212,782)	130,242		0%	100%	0%	
1019	\$ 2,167,654	\$ (136,505)	77,107		0%	100%	0%	
1020	\$ 3,038,613	\$ (94,765)	31,841		0%	100%	0%	
1021	\$ (20,563)	\$ (2,890)	4,986		0%	100%	0%	
1022	\$ 1,198,661	\$ (27,661)	278		0%	100%	0%	
1023	\$ (24,876)	\$ (2,394)	4,655		0%	100%	0%	
1024	\$ 988,597	\$ (33,467)	8,683		0%	100%	0%	
1025	\$ 145,551	\$ (2,348)	1,577		0%	100%	0%	
1026	\$ 2,524,822	\$ (157,481)	269,709		0%	100%	0%	
1029	\$ (7,796)	\$ (713)	6,878		0%	100%	0%	
1129	\$ 13,760,088	\$ (307,834)	10,934		0%	100%	0%	
1132	\$ (3,206)	\$ (306)	2,454		0%	100%	0%	
1167	\$ 6,654,416	\$ (45,747)	13,300		0%	100%	0%	
1170	\$ 2,267,821	\$ (71,776)	31,325		0%	100%	0%	
1171	\$ (39,427)	\$ (3,669)	6,269		0%	100%	0%	
1172	\$ 4,675,925	\$ (125,611)	20,766		0%	100%	0%	
1173	\$ 6,284,978	\$ (155,740)	15,385		0%	100%	0%	
1174	\$ (10,252)	\$ (2,995)	5,561		0%	100%	0%	
1175	\$ 1,408,001	\$ (41,164)	10,494		0%	100%	0%	
1176	\$ 1,560,894	\$ (52,175)	20,077		0%	100%	0%	
1200	\$ 1,608,521	\$ (62,124)	13,036		0%	100%	0%	
1202	\$ 5,463,190	\$ (264,431)	40,116		0%	100%	0%	
1203	\$ 44,491	\$ (2,028)	5,457		0%	100%	0%	
1205	\$ 3,524,105	\$ (220,674)	41,105		0%	100%	0%	
1207	\$ 101,005	\$ (6,617)	601		0%	100%	0%	

Data					BB	LT	DIST	NOTES
Tag Number	Sum of Net Book Value	Sum of Dep. Expense	Sum of Footage (Ft)					
1209	\$ 259,675	\$ (15,803)	9,720		0%	100%	0%	
1211	\$ 13,042	\$ (760)	225		0%	100%	0%	
1218	\$ 281,314	\$ (14,986)	5,543		0%	100%	0%	
1219	\$ 314,088	\$ (16,732)	8,359		0%	100%	0%	
1230	\$ 2,879,617	\$ (76,480)	7,477		0%	100%	0%	
1233	\$ 36,308	\$ (1,106)	882		0%	100%	0%	
1234	\$ 9,077	\$ (277)	212		0%	100%	0%	
1236	\$ 102,095	\$ (3,483)	474		0%	100%	0%	
1240	\$ 2,031	\$ (58)	3,625		0%	100%	0%	
1241	\$ 93,391	\$ (2,648)	470		0%	100%	0%	
1242	\$ 0	\$ -	4,669		0%	100%	0%	
1243	\$ 106,745	\$ (2,678)	17,794		0%	100%	0%	
1244	\$ 332,973	\$ (8,190)	9,757		0%	100%	0%	
2000	\$ 3,693,090	\$ (133,498)	117,757		90%	10%		
2001	\$ 1,035,466	\$ (43,409)	33,096		97%	3%		
2002	\$ 4,265,076	\$ (140,570)	34,552		0%	100%	0%	
2003	\$ 5,423,272	\$ (239,462)	141,438		0%	100%	0%	
2006	\$ 1,486,453	\$ (54,423)	29,392		0%	100%	0%	
2007	\$ 16,043	\$ (1,661)	169		0%	100%	0%	
3000	\$ 10,407,318	\$ (334,543)	157,026		82%	18%	0%	BB/LT
3001	\$ 2,796,443	\$ (92,635)	27,544		0%	100%	0%	
3002	\$ 9,781	\$ (3,056)	2,031		0%	100%	0%	
3003	\$ 4,128,806	\$ (156,114)	58,963		62%	38%	0%	BB/LT
3004	\$ (2,377)	\$ (263)	204		0%	100%	0%	
3005	\$ 1,148,263	\$ (26,542)	174		0%	100%	0%	
3007	\$ 2,461,302	\$ (93,366)	23,254		0%	100%	0%	
6000	\$ 1,318,277	\$ (34,634)	40,873		0%	100%		
6001	\$ 1,077,265	\$ (62,358)	355,216		0%	100%		
6902	\$ 6,752,288	\$ (288,399)	166,298		0%	100%	0%	
6903	\$ 4,181,519	\$ (109,351)	75,909		0%	100%	0%	
6911	\$ 1,282,626	\$ (32,183)	5,410		0%	100%	0%	
6912	\$ 106,745	\$ (2,678)	5,566		0%	100%	0%	
6913	\$ 106,745	\$ (2,678)	9,048		0%	100%	0%	
6914	\$ 39,745,574	\$ (968,683)	115,860		0%	100%	0%	
6915	\$ 53,803	\$ (1,350)	1,850		0%	100%	0%	
7000	\$ 10,033,963	\$ (369,085)	412,371		0%	100%	0%	
7025	\$ 21,840	\$ (5,035)	21,993		0%	100%	0%	
7038	\$ 300,290	\$ (20,939)	10,167		0%	100%	0%	
7042	\$ 172,696	\$ (12,230)	22,937		0%	100%	0%	
7043	\$ 103,280	\$ (7,986)	3,431		0%	100%	0%	
7044	\$ 406,626	\$ (23,562)	29,010		0%	100%	0%	
7049	\$ 219,722	\$ (14,395)	16,955		0%	100%	0%	
7051	\$ 152,058	\$ (10,109)	16,260		0%	100%	0%	
7052	\$ 270,649	\$ (18,898)	24,341		0%	100%	0%	
7054	\$ 404,463	\$ (25,715)	15,722		0%	100%	0%	
7055	\$ 558,422	\$ (33,984)	40,858		0%	100%	0%	
7056	\$ 295,012	\$ (17,954)	33,633		0%	100%	0%	
7058	\$ 401,846	\$ (24,455)	30,364		0%	100%	0%	
7059	\$ 165,055	\$ (9,377)	19,819		0%	100%	0%	
7067	\$ 125,265	\$ (6,281)	7,983		0%	100%	0%	
8032	\$ 200,927	\$ (12,228)	11,938		0%	100%	0%	
8038	\$ 299,811	\$ (12,019)	5,702		0%	100%	0%	
8045	\$ 93,347	\$ (4,859)	2,376		0%	100%	0%	
8112	\$ 74,478	\$ (2,269)	-		0%	100%	0%	
Local T	284,412,251	(9,630,886)	4,534,822					

Southern California Gas Company
Transmission Embedded Cost Study
Calculation & Functionalization of Transmission Base Margin
\$ Millions

	Functional Factor	Embedded Costs per 12/31/2013 FERC Form 2	Exclusions	Additions	Base Margin	Transmission	Transmission	Functionalized A&G
Transmission								
850 Tran Op-Supervision & Engineering (Including Payroll Taxes)	100% Transmission	\$24.863	\$0.000	\$3.9	\$28.762	\$28.762	100.0%	0.0%
851 Tran Op-System Control & Load Dispatching	100% Transmission	\$2.885	\$0.000	\$0.0	\$2.885	\$2.885	100.0%	0.0%
852 Tran Op-Communication System Expenses	100% Transmission	\$0.000	\$0.000	\$0.0	\$0.000	\$0.000	100.0%	0.0%
853 Tran Op-Compressor Station Labor & Expenses	100% Transmission	\$3.132	\$0.000	\$0.0	\$3.132	\$3.132	100.0%	0.0%
854 Tran Op-Gas From Comp Sta Fuel (PBR Excluded)	100% Transmission	\$0.010	(\$0.010)	\$0.0	\$0.000	\$0.000	100.0%	0.0%
855 Tran Op-Other Fuel & Power for Comp Sta (PBR Excluded)	100% Transmission	\$0.337	(\$0.337)	\$0.0	\$0.000	\$0.000	100.0%	0.0%
856 Tran Op-Mains Expenses	100% Transmission	\$9.486	\$0.000	\$0.0	\$9.486	\$9.486	100.0%	0.0%
857 Tran Op-Measuring & Regulating Station Expenses	100% Transmission	\$1.979	\$0.000	\$0.0	\$1.979	\$1.979	100.0%	0.0%
858 Tran Op-Transmission & Compression Of Gas By Other	100% Transmission	\$0.000	\$0.000	\$0.0	\$0.000	\$0.000	100.0%	0.0%
859 Tran Op-Other Expenses (PBR excl Haz Waste)	100% Transmission	\$2.203	\$0.000	\$0.0	\$2.203	\$2.203	100.0%	0.0%
860 Tran Op-Rents	100% Transmission	\$4.896	\$0.000	\$0.0	\$4.896	\$4.896	100.0%	0.0%
861 Maintenance Supervision & Engineering	100% Transmission	\$0.000	\$0.000	\$0.0	\$0.000	\$0.000	100.0%	0.0%
862 Tran Mnt-Structures & Improvements	100% Transmission	\$0.000	\$0.000	\$0.0	\$0.000	\$0.000	100.0%	0.0%
863 Tran Mnt-Mains	100% Transmission	\$52.013	\$0.000	\$0.0	\$52.013	\$52.013	100.0%	0.0%
864 Tran Mnt-Compressor Station Equipment	100% Transmission	\$6.495	\$0.000	\$0.0	\$6.495	\$6.495	100.0%	0.0%
865 Tran Mnt-Measuring & Regulating Station Equipment	100% Transmission	\$0.601	\$0.000	\$0.0	\$0.601	\$0.601	100.0%	0.0%
866 Maintenance of Communication Equipment	100% Transmission	\$0.059	\$0.000	\$0.0	\$0.059	\$0.059	100.0%	0.0%
867 Tran Mnt-Other Equipment	100% Transmission	\$0.309	\$0.000	\$0.0	\$0.309	\$0.309	100.0%	0.0%
		\$109.269	(\$0.347)	\$3.9	\$112.820	\$112.820		
A&G FERC Account								
920 AdmGen Op-Salaries Plus Payroll taxes	A&G Func Fctrs/Labor	\$46.091	\$0.000	\$5.356	\$51.447	\$2.138	4.2%	50.0%
921 AdmGen Op-Office Supplies & Expenses	A&G Func Fctrs/Labor	\$14.520	\$0.000	\$0.000	\$14.520	\$0.603	4.2%	50.0%
922 AdmGen Op-(Less) Administrative Exp Transferred	A&G Func Fctrs/Labor	(\$6.349)	\$0.000	\$0.000	(\$6.349)	(\$0.264)	4.2%	50.0%
923 AdmGen Op-Outside Services Employed - General	A&G Func Fctrs/Labor	\$72.630	\$0.000	\$0.000	\$72.630	\$3.018	4.2%	50.0%
924 AdmGen Op-Property Insurance	A&G Func Fctrs/Labor	\$3.256	\$0.000	\$0.000	\$3.256	\$0.135	4.2%	50.0%
925 AdmGen Op-Injuries & Damages	A&G Func Fctrs/Labor	\$34.068	\$0.000	\$0.000	\$34.068	\$1.416	4.2%	50.0%
926 AdmGen Op-Employee Pensions & Benefits	A&G Func Fctrs/Labor	\$142.537	\$0.000	\$0.000	\$142.537	\$5.922	4.2%	50.0%
927 AdmGen Op-Franchise Requirements	Excluded	\$45.292	(\$45.292)	\$0.000	\$0.000	\$0.000	0.0%	0.0%
928 AdmGen Op-Regulatory Commission Expenses	A&G Func Fctrs/Labor	\$5.205	\$0.000	\$0.000	\$5.205	\$0.216	4.2%	50.0%
930.2 A&G Op-MiscGen Exp(PBR Ex Public Purpose RDD)	A&G Func Fctrs/Labor	\$9.391	\$0.000	\$0.000	\$9.391	\$0.390	4.2%	50.0%
931 AdmGen Op-Rents	A&G Func Fctrs/Labor	\$17.483	\$0.000	\$0.000	\$17.483	\$0.726	4.2%	50.0%
932 AdmGen Mnt-General Plant	A&G Func Fctrs/Labor	\$21.243	\$0.000	\$0.000	\$21.243	\$0.883	4.2%	50.0%
		\$405.368	(\$45.292)	\$5.356	\$365.432	\$15.184		
Total Transmission O&M, A&G Expenses		\$514.637	(\$45.639)	\$9.254	\$478.252	\$128.004		
					\$182.72			
Functionalized Return:								
Transmission	TRANSMISSION	\$44.726	\$0.000	\$0.0	\$44.726	\$44.726	100.0%	0.0%
General Plant	A&G Func Fctrs/Labor	\$26.715	\$0.000	\$0.000	\$26.715	\$1.110	4.2%	50.0%
Functionalized Return		\$71.442	\$0.000	\$0.000	\$71.442	\$45.836		
Functionalized Depreciation:								
Transmission Plant depreciation:								
365.1- LAND	Net Plant Factor/Transmis	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
365.105- LAND - KERN/MOJAV	Net Plant Factor/Transmis	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
365.2- RIGHTS OF WAY	Net Plant Factor/Transmis	\$0.446	\$0.000	\$0.000	\$0.446	\$0.446	100.0%	0.0%
366- STRUC. & IMPRVMT	Net Plant Factor/Transmis	\$0.465	\$0.000	\$0.000	\$0.465	\$0.465	100.0%	0.0%
366.1- STRUCTURES - KERN	Net Plant Factor/Transmis	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
367- MAINS - INCL. CAT	Net Plant Factor/Transmis	\$30.175	\$0.000	\$0.000	\$30.175	\$30.175	100.0%	0.0%
367.055- Trans mains - Dee	Net Plant Factor/Transmis	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
367.1- MAINS - KERN/MOJA	Net Plant Factor/Transmis	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
367.3- LEASED IMPROVEMENT	Net Plant Factor/Transmis	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
368- COMPRES STN EQUIP	Net Plant Factor/Transmis	\$2.712	\$0.000	\$0.000	\$2.712	\$2.712	100.0%	0.0%
368.1- STN EQUIP - KERN	Net Plant Factor/Transmis	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	100.0%	0.0%
369.1- MEAS & REG/CO PRO	Net Plant Factor/Transmis	\$1.332	\$0.000	\$0.000	\$1.332	\$1.332	100.0%	0.0%
371- OTHER EQUIPMENT	Net Plant Factor/Transmis	\$0.203	\$0.000	\$0.000	\$0.203	\$0.203	100.0%	0.0%
		\$35.33	\$0.000	\$0.000	\$35.333	\$35.333		

Southern California Gas Company
Transmission Embedded Cost Study
Calculation & Functionalization of Transmission Base Margin
\$ Millions

	Functional Factor	Embedded Costs per 12/31/2013				Base Margin	Transmission	Transmission	Funtionalized A&G
		FERC Form 2	Exclusions	Additions					
General Plant Depreciation									
389.1- LAND	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
389.2- LAND RIGHTS	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
390- STRUCTURES & IMPR	A&G Func Fctrs/Labor	\$22.547	\$0.000	\$0.000	\$22.547	\$0.937	4.2%	50.0%	
391.1- OFFC FURN & EQUIP	A&G Func Fctrs/Labor	\$98.919	\$0.000	\$0.000	\$98.919	\$4.110	4.2%	50.0%	
391.2- COMPUTER EQUIP.	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
391.3- COMPUTER SOFTWARE	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
391.4- COMPUTER SOFTWARE	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
391.5- COMPUTER SOFTWARE	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
391.6- COMPUTER SOFTWARE	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
392- TRANSPORT. EQUIP.	A&G Func Fctrs/Labor	\$0.087	\$0.000	\$0.000	\$0.087	\$0.004	4.2%	50.0%	
393- STORES EQUIPMENT	A&G Func Fctrs/Labor	\$0.005	\$0.000	\$0.000	\$0.005	\$0.000	4.2%	50.0%	
394.1- SHOP & GARAGE EQU	A&G Func Fctrs/Labor	\$2.300	\$0.000	\$0.000	\$2.300	\$0.096	4.2%	50.0%	
394.103- CAPITAL TOOL-KERN	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
394.3- LRGE PRTBLE TOOLS	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
395- LABORATORY EQUIP.	A&G Func Fctrs/Labor	\$0.259	\$0.000	\$0.000	\$0.259	\$0.011	4.2%	50.0%	
396- CONSTRUCTION EQUI	A&G Func Fctrs/Labor	\$0.003	\$0.000	\$0.000	\$0.003	\$0.000	4.2%	50.0%	
397- COMMUNICATION EQU	A&G Func Fctrs/Labor	\$19.471	\$0.000	\$0.000	\$19.471	\$0.809	4.2%	50.0%	
397.001- GEN NETWORK EQP	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
397.002- PBX & OTHER VOICE	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
397.003- MICROWAVE & RADIO	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
397.004- COMMUNIC. STRUCT	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
397.01- AUTO EQUIP	A&G Func Fctrs/Labor	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	4.2%	50.0%	
398- MISCELLANEOUS EQU	A&G Func Fctrs/Labor	\$0.469	\$0.000	\$0.000	\$0.469	\$0.020	4.2%	50.0%	
		\$144.061	\$0.000	\$0.000	\$144.061	\$5.986			
Total Functionalized Depreciation		\$179.394	\$0.000	\$0.000	\$179.394	\$41.319			
Functionalized Taxes:									
Transmission	TRANSMISSION	\$1.864	\$0.000	\$0.000	\$1.864	\$1.864	100.0%	0.0%	
General Plant	A&G Func Fctrs/Labor	\$1.113	\$0.000	\$0.000	\$1.113	\$0.046	4.2%	50.0%	
Functionalized Taxes:		\$2.977	\$0.000	\$0.000	\$2.977	\$1.910			
Miscellaneous Revenues									
495 - Shared Assets	A&G Func Fctrs/Labor	(\$49.319)	\$0.000	\$0.0	(\$49.319)	(\$2.049)	4.2%	50.0%	
Gain on sale of Property	A&G Func Fctrs/Labor	(\$2.972)	\$0.000	\$0.0	(\$2.972)	(\$0.123)	4.2%	50.0%	
Miscellaneous Revenues Total		(\$52.291)	\$0.000	\$0.000	(\$52.291)	(\$2.173)			
Total		\$716.158	(\$45.639)	\$9.254	\$679.773	\$214.896			



A Semptra Energy utility

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

ACCOUNT	ACCT NO.	As of December 31, 2013			Book Value Allocator	12/31/13 Weighted Avg Rate Base	For the Year Ended 2013 DEPRECIATION EXPENSE
		INVESTMENT	ACCUM DEP	NET BOOK VALUE			
Intangible							
	301	76	-	76			-
	302	569	-	569			-
Total Intangible		646	-	646	0.0%	324	-
Gas Production							
	325	15	-	15			-
	330	5,557	(1)	5,556			-
	331	455	(0)	455			-
	332	1,731	-	1,731			-
	334	536	-	536			-
	336	485	-	485			-
Total Gas Prod		8,780	(1)	8,778	0.1%	4,408	-
Underground Storage							
	117.1	58,549	-	58,549			-
	350	22,501	-	22,501			-
	351	41,641	(19,759)	21,882			1,239
	352	279,338	(167,005)	112,333			6,987
	353	105,718	(93,440)	12,278			776
	354	137,678	(63,501)	74,177			1,444
	355	6,217	(1,738)	4,479			250
	356	129,485	(66,034)	63,451			3,111
	357	28,975	(7,356)	21,619			1,528
	358	49,599	39,431	89,030			-
	Montebello						2,005
Total Underground Storage		859,700	(379,402)	480,298	6.9%	241,200	17,340
Transmission							
	365	24,528	(15,077)	9,451			446
	366	35,154	(20,867)	14,287			465
	367	1,361,164	(578,873)	782,292			30,175
	368	206,667	(106,710)	99,957			2,712
	369	63,176	(26,635)	36,541			1,332
	371	5,181	(2,714)	2,466			203
	372	43,448	121,081	164,530			-
Total Transmission		1,739,319	(629,795)	1,109,523	15.9%	557,189	35,333
Distribution							
	374	31,685	(12)	31,673			-
	375	243,599	(68,529)	175,070			6,810
	376	3,385,953	(1,974,040)	1,411,913			79,275
	378	87,964	(59,343)	28,621			4,394
	380	2,210,344	(1,833,257)	377,087			71,454
	381	560,595	(128,520)	432,075			15,229
	382	341,940	(146,975)	194,965			5,906
	383	134,134	(56,722)	77,411			3,188
	387	31,642	(21,024)	10,618			(180)
	388	520,445	1,477,531	1,997,976			-
Total Distribution		7,548,301	(2,810,891)	4,737,410	67.8%	2,379,069	186,076
General Plant							
	389	1,417	-	1,417			-
	390	182,426	(153,701)	28,725			22,547
	391	832,683	(335,532)	497,151			98,919
	392	574	(6)	568			87
	393	101	(29)	72			5
	394	54,237	(25,246)	28,990			2,300
	395	5,469	(3,360)	2,109			259
	396	12	11	23			3
	397	142,888	(51,404)	91,485			19,471
	398	3,305	(148)	3,157			469
	399.1	544	(936)	(392)			-
Total General Plant		1,223,656	(570,350)	653,306	9.3%	328,082	144,061
Other Storage Plant		-	-	-			-
Total Utility Gas Plant In Service		11,380,401	(4,390,440)	6,989,961	100.0%	3,510,272	382,810
Total Investment		11,380,401					
Less: Cushion Gas 117.1		(58,549)					
Plus: UGS topsided entry							
Plus: Dist topsided entry							
Plus: Dist topsided entry							
Adj. Utility Plant - FERC Form 2		11,321,853					(= 2013 SoCalGas FERC Form 2,p209, row 129, column (g))
Total Ratebase at 12-31-2013		3,510,272					

Capital-Related Functional factors

	Weighted Avg. Rate Base 2013	% Total	Functionalize Total Return	Functionalize Income Taxes	Functionalize Ad Valorem Tax FERC Form 2 p. 263a	Functionalize Capital- Related Taxes
Storage Including Cushion Gas	\$241.20	6.9%	\$19.361	(\$2.191)	\$2.998	\$0.807
Transmission	\$557	15.9%	\$44.7	(\$5.062)	\$6.925	\$1.864
Distribution (ex NGV)	\$2,379	67.8%	\$191.0	(\$21.612)	\$29.569	\$7.958
NGV	\$0	0.0%	\$0.000	\$0.000	\$0.000	\$0.000
General Plant & Intangibles	\$333	9.5%	\$26.715	(\$3.023)	\$4.137	\$1.113
Total NBV	\$3,510	100.0%	\$281.8	(\$31.888)	\$43.629	\$11.741

12/31/2013

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

SoCalGas' Weighted Authorized Rate of Return
D. 12-12-034, Ordering Paragraph 3.

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

Combined Tax Rate

SIT	8.84%
FIT	35.00%
Combined Tax Rate	40.75%

Allocation of General Plant Taxes to SoCalGas' Transmission

Calculation of Income Taxes to be collected in rates:	
Preferred Stock Return	\$5.055
Equity Return	\$184.359
Authorized after tax equity return	\$189.414
ROR Taxes to be collected in rates	40.75% \$130.251
Tax Intercept with Taxes Paid in 2013	(\$162.138)
State & Federal Income Tax FERC Form 2 p. 263a	(\$31.888)

50% General Plant Taxes(\$MM)	Transm. Labor Factor	Transm. General Plant Taxes(\$MM)
1.113	4.2%	\$ 0.05



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



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

San Diego Gas & Electric Company
 Gas Transmission Embedded Cost Study
 Calculation & Functionalization of Base Margin
 \$Millions

			Embedded Costs per 12/31/2013					Funtionalized	
Functional Factor			FERC2	Exclusions	Additions	Base Margin	Transmission	Transmission	A&G
Gas Transmission									
850- Oper Supervision & Eng	gffp.323	100% Transmission	\$2.790	\$0	\$0.458	\$3.249	\$3.249	100.0%	0.0%
851- Sys Control & Load Dispatching	gffp.323	100% Transmission	\$0.715	\$0		\$0.715	\$0.715	100.0%	0.0%
852- Communication Sys Exp	gffp.323	100% Transmission	\$0.000	\$0		\$0.000	\$0.000	100.0%	0.0%
853- Compr Station Labor & Exp	gffp.323	100% Transmission	\$2.320	\$0		\$2.320	\$2.320	100.0%	0.0%
854- Gas Comp Sta Fuel-excl		100% Transmission	\$0.000	\$0		\$0.000	\$0.000	100.0%	0.0%
855- Other Fuel & Power for Compr Stations	gffp.323	100% Transmission	\$0.277	(\$0.277)		\$0.000	\$0.000	100.0%	0.0%
856- Mains Expenses	gffp.323	100% Transmission	\$0.947	\$0		\$0.947	\$0.947	100.0%	0.0%
857- Meas & Reg Station Exp	gffp.323	100% Transmission	\$0.007	\$0		\$0.007	\$0.007	100.0%	0.0%
858- Trans & Compression of Gas by Others	gffp.323	100% Transmission	\$0.000	\$0		\$0.000	\$0.000	100.0%	0.0%
859- Other Expenses less Haz Mat	gffp.323	100% Transmission	\$1.052	\$0		\$1.052	\$1.052	100.0%	0.0%
860- Rents	gffp.323	100% Transmission	\$0.003	\$0		\$0.003	\$0.003	100.0%	0.0%
861- Maint Supervision & Eng	gffp.323	100% Transmission	\$0.215	\$0		\$0.215	\$0.215	100.0%	0.0%
862- Maint Structure & Improvements	gffp.323	100% Transmission	\$0.000	\$0		\$0.000	\$0.000	100.0%	0.0%
863- Maint of Mains	gffp.323	100% Transmission	\$3.917	\$0		\$3.917	\$3.917	100.0%	0.0%
864- Maint of Compr Station Eq	gffp.323	100% Transmission	\$0.775	\$0		\$0.775	\$0.775	100.0%	0.0%
865- Maint of Meas & Reg Station Eq	gffp.323	100% Transmission	\$0.252	\$0		\$0.252	\$0.252	100.0%	0.0%
866- Maint Comm Equip	gffp.323	100% Transmission	\$0.007	\$0		\$0.007	\$0.007	100.0%	0.0%
867- Maint of Other Eq	gffp.323	100% Transmission	\$0.681	\$0		\$0.681	\$0.681	100.0%	0.0%
			\$13.957	(\$0.277)	\$0.458	\$14.139	\$14.139		
Administrative & General									
920- A&G Salaries	gffp.325	A&G Func Fctrs/LBR	\$9.064	\$0.000	\$0.942	\$10.006	\$0.618	6.2%	50.0%
921- Office Sply & Exp less Hazardous Waste	gffp.325	A&G Func Fctrs/LBR	\$4.695	\$0.000		\$4.695	\$0.290	6.2%	50.0%
922- Transferred Admin Exp less Haz Waste	gffp.325	A&G Func Fctrs/LBR	(\$2.881)	\$0.000		(\$2.881)	(\$0.178)	6.2%	50.0%
923- Outside Services Employed	gffp.325	A&G Func Fctrs/LBR	\$27.260	\$0.000		\$27.260	\$1.683	6.2%	50.0%
924- Property Insurance	gffp.325	A&G Func Fctrs/LBR	(\$0.025)	\$0.000		(\$0.025)	(\$0.002)	6.2%	50.0%
925- Injuries & Damages less Haz Waste	gffp.325	A&G Func Fctrs/LBR	\$4.350	\$0.000		\$4.350	\$0.269	6.2%	50.0%
926- Employee Pensions less Haz Waste	gffp.325	A&G Func Fctrs/LBR	\$18.897	\$0.000		\$18.897	\$1.167	6.2%	50.0%
928- Reg Commission Exp (Note 1)	gffp.325	A&G Func Fctrs/LBR	\$3.669	(\$0.491)		\$3.178	\$0.196	6.2%	50.0%
930.1- Gen Advr Exp	gffp.325	A&G Func Fctrs/LBR	\$0.000	\$0.000		\$0.000	\$0.000	6.2%	50.0%
930.2- Misc General Exp	gffp.325	A&G Func Fctrs/LBR	\$0.581	\$0.000		\$0.581	\$0.036	6.2%	50.0%
931- Rents	gffp.325	A&G Func Fctrs/LBR	\$3.075	\$0.000		\$3.075	\$0.190	6.2%	50.0%
932- Maint.of General Plant	gffp.325	A&G Func Fctrs/LBR	\$2.530	\$0.000		\$2.530	\$0.156	6.2%	50.0%
			\$71.214	(\$0.491)	\$0.942	\$71.666	\$4.424		
Payroll Tax		Labor	\$4.654	\$0		\$4.65			
Total Expenses			\$89.825	(\$0.767)		\$90.46	\$18.56		

San Diego Gas & Electric Company
 Gas Transmission Embedded Cost Study
 Calculation & Functionalization of Base Margin
 \$Millions

	Functional Factor	Embedded Costs per 12/31/2013 FERC2	Exclusions	Additions	Base Margin	Transmission	Transmission	Functionalized A&G
Capital-Related								
Return on Rate Base:								
Ratebase		\$531.411	\$0		\$531.411			
Authorized ROR%		7.79%	0.00%		7.79%			
ROR General & Common	LBR					\$0.23	6.2%	50.0%
Return on Rate Base	NPF	\$41.395	\$0		\$41.395	\$6.707	16.2%	0.0%
						\$6.938		
Income Tax General & Common	LBR					\$0.08	6.2%	50.0%
Income Taxes for ratemaking	NPF	\$14.226	\$0		\$14.226	\$2.31	16.2%	0.0%
						\$2.384		
Depreciation:								
Depreciation Dist Plant	DIR	\$23.534	\$0		\$23.534	\$0	0.0%	0.0%
Deprec Transmission	DIR	\$7.780	\$0		\$7.780	\$7.780	100.0%	0.0%
Deprec General & Common	LBR	\$19.990	\$0		\$19.990	\$1.234	6.2%	50.0%
Deprec Storage	DIR	\$0.000	\$0		\$0.000	\$0	0.0%	0.0%
Depreciation total		\$51.304	\$0		\$51.304	\$9.014		
Property Tax General & Common	LBR					\$0.05	6.2%	50.0%
Total Property Tax	NPF	\$9.516	\$0		\$9.516	\$1.542	16.2%	0.0%
						\$1.595		
Total Capital-Related		\$116.441	\$0		\$116.441	\$19.931		
EE Reward	DIR	\$0	\$0		\$0	\$0	0.0%	0.0%
Miscellaneous Revs:								
Misc Revs all functions	A&G Func Fctrs/LBR	(\$4.272)	\$0		(\$4.272)	(\$0.264)	6.2%	50.0%
Misc Revs Direct	A&G Func Fctrs/LBR	(\$0.018)	\$0		(\$0.018)	(\$0.001)	6.2%	50.0%
		(\$4.290)	\$0		(\$4.290)	(\$0.265)		
Base Margin		\$201.977	(\$0.767)		\$202.610	\$38.229		

Notes:

1) \$490,925 removed from Account 928 since this is a CPUC fee. FERC Form 1, p. 351.2 Line 44, col. h for year 12-31-2013.

Table 9
SAN DIEGO GAS & ELECTRIC COMPANY
2013 Utility Gas Plant in Service
By FERC Account for FERC Form 2
(\$000)

		As of December 31, 2013			12/31/2013	For the Year Ended 2013
ACCOUNT	INVESTMENT	ACCUM DEP	NET BOOK VALUE	Book Value Allocator	Weighted Average Rate Base	DEPRECIATION EXPENSE
SDGE						
Transmission						
365.1- Land	4,649	-	4,649			
365.2- Rights-of-way	2,218	(1,267)	951			
366- Structures & Improvements	11,710	(9,625)	2,085			
367- Mains	169,757	(61,240)	108,517			
368- Compressor Station Eq	82,026	(63,027)	18,999			
369- Meas & Reg Station Eq	19,772	(15,170)	4,602			
372- Asset Retirement Costs for Transmission Plant	1,601	(1,456)	145			
Total Transmission	291,734	(151,785)	139,949	16.2%	86,105	7,780
Distribution						
374.2- Land and Land Rights	8,151	(6,287)	1,865			
374.1- Land and Land Rights	102	-	102			
375- Structures & Improvements	43	(61)	(18)			
376- Mains	581,854	(331,989)	249,865			
378- Meas & Reg Stations	17,004	(6,909)	10,095			
380- Services	246,402	(285,319)	(38,918)			
381- Meters & Regulators	146,138	(42,564)	103,574			
382- Meter Installations	88,354	(28,703)	59,651			
385- Industrial Meas & Reg Station Eq	1,517	(1,077)	440			
387.11- Other Equipment	994	(649)	345			
387- CNG Sta on SDGE Property	3,571	(3,411)	161			
388- Asset Retirement Costs for Distribution Plant	54,709	204,019	258,728			
Distribution Net Plant Total	\$1,148,840	(\$502,950)	\$645,890	74.8%	397,391	23,534
General Plant						
392- Transportation Eq	75	(100)	(26)			
394- Tools, Shop, & Garage Eq	7,976	(3,377)	4,600			
395- Laboratory Eq	283	(258)	25			
396- Power Operated Eq	162	(132)	31			
397- Communication Eq	1,965	(732)	1,233			
398- Misc Equipment	198	(74)	125			
General Plant Total	10,659	(4,672)	5,987			586
Common plant			\$71,889	9.0%	47,914	\$19,404
Total Utility Gas Plant In Service	1,451,233	(659,408)	863,715	100.0%	531,411	51,304

San Diego Gas & Electric Company
Gas Transmission Embedded Cost Study
Labor Factor

	<u>(\$Millions)</u>	<u>Labor Factors (%)</u>		
Other Storage				
Labor	\$0.06	0%		0%
Transmission Expenses				
Labor	\$5.410	12.35%		10%
Distribution Expenses				
Labor	\$23.115	53%		42%
Customer Accounts				
Labor	\$12.011	27%		22%
Cust Service & Informational				
Labor	\$3.217	7%		6%
A&G			\$11.1224360	20%
O&M Exp				
Labor				
<hr/>				
Labor w/o				
A&G	\$43.814	100%	\$54.9362520	100%

Notes:
 (1) A&G labor is not used in this part of the model.
 (2) Labor amounts can be found on p. 354 and 355 in FERC Form 1. Note it is FERC Form 1 and not FERC Form 2.

**SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY
TCAP Phase 2**

Section 2

Backbone Transportation Service Rate Denominator

**Workpapers to the Prepared Direct Testimony of
Sim-Cheng Fung**

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
10/1/2013	2,017,747	190,598
10/2/2013	1,996,640	185,598
10/3/2013	1,996,640	185,598
10/4/2013	1,996,640	185,598
10/5/2013	2,004,181	185,598
10/6/2013	2,004,181	185,598
10/7/2013	2,004,181	185,598
10/8/2013	1,994,790	185,598
10/9/2013	1,989,790	185,598
10/10/2013	1,993,520	185,598
10/11/2013	1,993,520	185,598
10/12/2013	1,998,563	185,598
10/13/2013	1,998,563	185,598
10/14/2013	1,998,563	185,598
10/15/2013	2,010,566	185,598
10/16/2013	2,018,504	185,598
10/17/2013	2,048,422	185,598
10/18/2013	1,995,255	185,598
10/19/2013	2,002,178	185,598
10/20/2013	2,002,178	185,598
10/21/2013	2,002,178	185,598
10/22/2013	2,004,937	185,598
10/23/2013	1,993,570	185,598
10/24/2013	1,993,570	185,598
10/25/2013	2,003,570	185,598
10/26/2013	2,012,834	185,598
10/27/2013	2,012,834	185,598
10/28/2013	2,056,417	185,598
10/29/2013	2,038,502	185,598
10/30/2013	2,053,995	185,598
10/31/2013	2,052,965	185,598
11/1/2013	2,554,506	185,598
11/2/2013	2,343,167	185,598
11/3/2013	2,485,785	185,598
11/4/2013	2,386,785	185,598
11/5/2013	2,590,557	185,598
11/6/2013	2,638,876	185,598

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
11/7/2013	2,893,764	185,598
11/8/2013	2,483,214	185,598
11/9/2013	2,682,958	185,598
11/10/2013	2,682,308	185,598
11/11/2013	2,666,644	185,598
11/12/2013	2,954,604	185,598
11/13/2013	2,756,203	185,598
11/14/2013	3,093,323	185,598
11/15/2013	2,661,243	185,598
11/16/2013	2,627,849	185,598
11/17/2013	2,594,889	185,598
11/18/2013	2,594,920	185,598
11/19/2013	2,440,899	185,598
11/20/2013	2,347,223	185,598
11/21/2013	2,327,094	185,598
11/22/2013	2,130,227	185,598
11/23/2013	2,095,616	185,598
11/24/2013	2,095,616	185,598
11/25/2013	2,095,616	185,598
11/26/2013	2,152,240	185,598
11/27/2013	2,097,755	185,598
11/28/2013	2,110,719	185,598
11/29/2013	2,110,719	185,598
11/30/2013	2,110,719	185,598
12/1/2013	2,251,946	145,598
12/2/2013	2,136,946	145,598
12/3/2013	2,070,335	145,598
12/4/2013	2,009,301	145,598
12/5/2013	1,828,330	145,598
12/6/2013	1,823,900	145,598
12/7/2013	1,848,314	145,598
12/8/2013	1,894,839	145,598
12/9/2013	1,890,809	145,598
12/10/2013	2,500,459	145,598
12/11/2013	2,113,395	145,598
12/12/2013	2,083,240	145,598
12/13/2013	1,821,990	145,598

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
12/14/2013	1,834,119	145,598
12/15/2013	1,875,704	145,598
12/16/2013	1,834,119	145,598
12/17/2013	1,861,434	145,598
12/18/2013	1,824,119	145,598
12/19/2013	1,872,590	145,598
12/20/2013	1,834,105	145,598
12/21/2013	1,829,822	145,598
12/22/2013	1,829,822	145,598
12/23/2013	1,829,822	145,598
12/24/2013	1,950,273	145,598
12/25/2013	1,978,155	145,598
12/26/2013	1,958,210	145,598
12/27/2013	1,884,331	145,598
12/28/2013	1,856,544	145,598
12/29/2013	1,896,434	145,598
12/30/2013	1,856,544	145,598
12/31/2013	1,839,544	145,598
1/1/2014	1,736,310	145,598
1/2/2014	1,736,310	145,598
1/3/2014	1,702,748	145,598
1/4/2014	1,702,121	145,598
1/5/2014	1,702,121	145,598
1/6/2014	1,702,121	145,598
1/7/2014	1,702,121	145,598
1/8/2014	1,702,121	145,598
1/9/2014	1,702,121	145,598
1/10/2014	1,737,834	145,598
1/11/2014	1,798,681	145,598
1/12/2014	1,798,681	145,598
1/13/2014	1,798,681	145,598
1/14/2014	1,887,540	145,598
1/15/2014	1,707,233	145,598
1/16/2014	1,717,888	145,598
1/17/2014	1,707,233	145,598
1/18/2014	1,881,062	145,598

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
1/19/2014	1,873,288	145,598
1/20/2014	1,873,288	145,598
1/21/2014	1,881,062	145,598
1/22/2014	1,707,831	145,598
1/23/2014	1,707,233	145,598
1/24/2014	1,702,121	145,598
1/25/2014	1,702,121	145,598
1/26/2014	1,702,121	145,598
1/27/2014	1,702,121	145,598
1/28/2014	1,702,121	145,598
1/29/2014	1,702,249	145,598
1/30/2014	1,702,250	145,598
1/31/2014	1,707,396	145,598
2/1/2014	1,730,684	145,598
2/2/2014	1,730,684	145,598
2/3/2014	1,730,684	145,598
2/4/2014	1,690,691	145,598
2/5/2014	1,690,684	145,598
2/6/2014	1,715,618	145,598
2/7/2014	1,770,684	145,598
2/8/2014	1,690,684	145,598
2/9/2014	1,690,684	145,598
2/10/2014	1,690,684	145,598
2/11/2014	1,686,584	145,598
2/12/2014	1,706,438	145,598
2/13/2014	1,686,504	145,598
2/14/2014	1,703,504	145,598
2/15/2014	1,694,131	145,598
2/16/2014	1,694,131	145,598
2/17/2014	1,694,131	145,598
2/18/2014	1,694,131	145,598
2/19/2014	1,691,504	145,598
2/20/2014	1,686,504	145,598
2/21/2014	1,686,504	145,598
2/22/2014	1,712,456	145,598
2/23/2014	1,731,394	145,598

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
2/24/2014	1,728,403	145,598
2/25/2014	1,696,471	145,598
2/26/2014	1,689,195	145,598
2/27/2014	1,691,504	145,598
2/28/2014	1,686,504	145,598
3/1/2014	2,147,622	145,598
3/2/2014	2,147,622	145,598
3/3/2014	2,209,557	145,598
3/4/2014	2,190,174	145,598
3/5/2014	2,230,129	145,598
3/6/2014	2,187,788	145,598
3/7/2014	2,277,005	145,598
3/8/2014	2,190,062	145,598
3/9/2014	2,260,062	145,598
3/10/2014	2,190,062	145,598
3/11/2014	2,371,610	145,598
3/12/2014	2,160,161	145,598
3/13/2014	2,586,589	145,598
3/14/2014	2,310,161	145,598
3/15/2014	2,368,265	145,598
3/16/2014	2,431,676	145,598
3/17/2014	2,345,046	145,598
3/18/2014	2,470,358	145,598
3/19/2014	2,327,681	145,598
3/20/2014	2,434,701	145,598
3/21/2014	2,349,298	145,598
3/22/2014	2,666,181	145,598
3/23/2014	2,632,370	145,598
3/24/2014	2,652,428	145,598
3/25/2014	2,468,475	145,598
3/26/2014	2,373,355	145,598
3/27/2014	2,725,730	145,598
3/28/2014	3,043,901	145,598
3/29/2014	2,832,186	145,598
3/30/2014	2,839,163	145,598
3/31/2014	2,818,101	145,598

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
4/1/2014	2,517,019	210,961
4/2/2014	2,418,459	210,961
4/3/2014	2,553,738	210,961
4/4/2014	2,570,511	210,961
4/5/2014	2,563,134	210,961
4/6/2014	2,558,923	210,961
4/7/2014	2,322,762	195,961
4/8/2014	2,500,428	195,961
4/9/2014	2,487,746	195,961
4/10/2014	2,775,219	210,961
4/11/2014	2,770,319	210,961
4/12/2014	2,617,330	210,961
4/13/2014	2,519,850	210,961
4/14/2014	2,508,002	210,961
4/15/2014	2,429,374	210,961
4/16/2014	2,595,931	210,961
4/17/2014	2,797,998	210,961
4/18/2014	2,869,224	210,961
4/19/2014	2,889,185	210,961
4/20/2014	2,725,539	210,961
4/21/2014	2,676,239	210,961
4/22/2014	2,841,790	210,961
4/23/2014	2,842,769	210,961
4/24/2014	2,731,799	210,961
4/25/2014	2,625,861	210,961
4/26/2014	2,868,294	210,961
4/27/2014	2,874,987	210,961
4/28/2014	2,715,300	210,961
4/29/2014	2,609,117	210,961
4/30/2014	2,598,125	210,961
5/1/2014	2,608,466	197,786
5/2/2014	2,651,097	197,786
5/3/2014	2,725,811	197,786
5/4/2014	2,727,151	197,786
5/5/2014	2,642,989	197,786
5/6/2014	2,591,244	197,786

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
5/7/2014	2,943,237	197,786
5/8/2014	2,605,053	197,786
5/9/2014	2,804,639	197,786
5/10/2014	2,915,608	197,786
5/11/2014	2,916,453	197,786
5/12/2014	2,908,244	197,786
5/13/2014	3,033,469	197,786
5/14/2014	3,165,158	197,786
5/15/2014	3,192,902	197,786
5/16/2014	3,016,350	197,786
5/17/2014	2,739,100	197,786
5/18/2014	2,753,327	197,786
5/19/2014	2,717,356	197,786
5/20/2014	2,824,527	197,786
5/21/2014	2,855,903	197,786
5/22/2014	2,879,781	197,786
5/23/2014	2,817,620	197,786
5/24/2014	2,641,451	197,786
5/25/2014	2,749,881	197,786
5/26/2014	2,604,872	197,786
5/27/2014	2,675,761	197,786
5/28/2014	2,773,488	197,786
5/29/2014	2,764,613	197,786
5/30/2014	2,616,383	197,786
5/31/2014	2,637,855	197,786
6/1/2014	2,758,781	165,682
6/2/2014	2,649,396	165,682
6/3/2014	2,672,668	165,682
6/4/2014	2,667,386	165,682
6/5/2014	2,640,429	165,682
6/6/2014	2,679,093	165,682
6/7/2014	2,568,839	165,682
6/8/2014	2,619,134	165,682
6/9/2014	2,469,267	165,682
6/10/2014	2,755,805	165,682
6/11/2014	2,575,536	165,682

538,907,710 <==10/1/13 - 5/31/14 BTS-1

41,359,032 <==10/1/13 - 5/31/14 BTS-2

580,266,742

Oct	31
Nov	30
Dec	31
Jan	31
Feb	28
Mar	31
Apr	30
May	31
Subtotal 8 mos	<u>243</u>

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
6/12/2014	2,525,750	165,682
6/13/2014	2,629,011	165,682
6/14/2014	2,604,205	165,682
6/15/2014	2,604,205	165,682
6/16/2014	2,646,834	165,682
6/17/2014	2,839,038	165,682
6/18/2014	2,846,202	165,682
6/19/2014	2,844,973	165,682
6/20/2014	2,767,048	165,682
6/21/2014	2,644,748	165,682
6/22/2014	2,697,243	165,682
6/23/2014	2,569,121	165,682
6/24/2014	2,708,979	165,682
6/25/2014	2,672,906	165,682
6/26/2014	2,726,517	165,682
6/27/2014	2,834,550	165,682
6/28/2014	2,827,432	165,682
6/29/2014	2,816,540	165,682
6/30/2014	2,691,392	165,682
7/1/2014	2,632,556	205,598
7/2/2014	2,500,388	205,598
7/3/2014	2,543,102	205,598
7/4/2014	2,691,713	205,598
7/5/2014	2,690,672	205,598
7/6/2014	2,657,379	205,598
7/7/2014	2,498,881	205,598
7/8/2014	2,520,188	205,598
7/9/2014	2,557,585	205,598
7/10/2014	2,578,203	205,598
7/11/2014	2,717,146	205,598
7/12/2014	2,618,579	205,598
7/13/2014	2,601,093	205,598
7/14/2014	2,530,298	205,598
7/15/2014	2,555,295	205,598
7/16/2014	2,625,336	205,598
7/17/2014	2,583,401	205,598

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
7/18/2014	2,240,920	205,598
7/19/2014	2,699,140	205,598
7/20/2014	2,699,140	205,598
7/21/2014	2,661,180	205,598
7/22/2014	2,695,698	205,598
7/23/2014	2,735,147	205,598
7/24/2014	2,598,292	205,598
7/25/2014	2,604,182	205,598
7/26/2014	2,656,971	205,598
7/27/2014	2,585,805	205,598
7/28/2014	2,567,970	205,598
7/29/2014	2,591,564	205,598
7/30/2014	2,587,259	205,598
7/31/2014	2,576,424	205,598
8/1/2014	2,601,803	255,598
8/2/2014	2,660,602	255,598
8/3/2014	2,657,606	255,598
8/4/2014	2,426,842	255,598
8/5/2014	2,261,515	255,598
8/6/2014	2,290,101	255,598
8/7/2014	2,293,281	255,598
8/8/2014	2,277,320	255,598
8/9/2014	2,626,167	255,598
8/10/2014	2,623,697	255,598
8/11/2014	2,394,909	255,598
8/12/2014	2,279,706	255,598
8/13/2014	2,289,530	255,598
8/14/2014	2,295,583	255,598
8/15/2014	2,288,336	255,598
8/16/2014	2,566,667	255,598
8/17/2014	2,556,667	255,598
8/18/2014	2,239,572	255,598
8/19/2014	2,279,380	255,598
8/20/2014	2,281,382	255,598
8/21/2014	2,289,149	255,598
8/22/2014	2,266,661	255,598

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
8/23/2014	2,691,778	255,598
8/24/2014	2,681,778	255,598
8/25/2014	2,288,430	255,598
8/26/2014	2,277,074	255,598
8/27/2014	2,292,087	255,598
8/28/2014	2,271,736	255,598
8/29/2014	2,314,960	295,546
8/30/2014	2,580,220	265,585
8/31/2014	2,702,818	265,585
9/1/2014	2,825,417	275,766
9/2/2014	2,410,743	277,177
9/3/2014	2,406,185	285,632
9/4/2014	2,400,638	285,560
9/5/2014	2,411,764	275,573
9/6/2014	2,851,867	275,573
9/7/2014	2,851,867	275,573
9/8/2014	2,359,860	275,573
9/9/2014	2,341,357	285,560
9/10/2014	2,446,595	275,573
9/11/2014	2,439,480	296,721
9/12/2014	2,453,137	288,783
9/13/2014	2,972,111	306,351
9/14/2014	2,962,111	306,351
9/15/2014	2,444,247	306,351
9/16/2014	2,442,331	302,279
9/17/2014	2,464,190	295,547
9/18/2014	2,402,752	309,560
9/19/2014	2,498,606	300,227
9/20/2014	2,868,752	278,754
9/21/2014	2,742,753	278,754
9/22/2014	2,680,070	278,754
9/23/2014	2,381,792	286,046
9/24/2014	2,430,297	297,987
9/25/2014	2,416,984	293,419
9/26/2014	2,461,357	307,841

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
10/1/2013	1,047,990	189,145	686,721
10/2/2013	1,023,872	185,342	415,838
10/3/2013	1,026,253	184,883	380,877
10/4/2013	1,022,894	185,193	491,513
10/5/2013	1,040,790	185,351	553,261
10/6/2013	1,043,166	185,320	587,393
10/7/2013	1,044,432	185,351	549,962
10/8/2013	1,032,365	185,339	489,078
10/9/2013	1,009,919	185,405	494,212
10/10/2013	1,021,207	181,642	465,096
10/11/2013	1,008,477	181,699	416,625
10/12/2013	1,030,209	185,388	356,109
10/13/2013	1,030,210	185,388	341,378
10/14/2013	1,029,910	185,388	305,129
10/15/2013	1,023,807	184,666	262,539
10/16/2013	1,033,556	185,216	201,559
10/17/2013	1,009,962	181,020	296,744
10/18/2013	1,028,720	185,218	221,433
10/19/2013	1,004,009	185,238	373,472
10/20/2013	1,003,038	185,238	337,615
10/21/2013	999,065	185,227	276,454
10/22/2013	1,013,390	185,238	255,222
10/23/2013	977,468	184,214	223,375
10/24/2013	1,018,715	184,445	187,898
10/25/2013	1,004,418	185,160	289,283
10/26/2013	1,005,447	185,095	378,374
10/27/2013	1,017,417	185,113	424,952
10/28/2013	1,037,587	185,116	534,957
10/29/2013	1,031,852	185,320	528,900
10/30/2013	1,029,181	185,318	690,978
10/31/2013	1,028,841	185,305	282,430
11/1/2013	1,306,266	185,158	152,367
11/2/2013	1,051,563	185,177	117,742
11/3/2013	1,152,371	183,214	34,977
11/4/2013	1,077,881	185,177	329,897
11/5/2013	1,352,104	185,229	295,023
11/6/2013	1,322,815	185,160	273,992
11/7/2013	1,541,378	164,144	154,621
11/8/2013	1,188,316	165,196	147,675
11/9/2013	1,301,544	177,803	6,566
11/10/2013	1,312,761	174,909	6,349
11/11/2013	1,347,066	185,344	169,859
11/12/2013	1,691,430	182,054	53,826
11/13/2013	1,450,855	185,132	307,874
11/14/2013	1,577,370	169,482	27,182
11/15/2013	1,398,802	184,863	82,161
11/16/2013	1,300,793	185,085	18,609
11/17/2013	1,319,146	184,901	81,705
11/18/2013	1,335,333	184,890	253,640
11/19/2013	1,431,277	185,187	365,641

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
11/20/2013	1,314,283	183,937	460,667
11/21/2013	1,199,212	183,783	254,299
11/22/2013	1,103,668	184,893	526,627
11/23/2013	999,723	184,683	386,861
11/24/2013	892,464	165,898	353,869
11/25/2013	826,304	175,066	389,487
11/26/2013	1,022,782	175,473	284,122
11/27/2013	1,031,214	170,272	309,137
11/28/2013	1,066,556	185,271	237,255
11/29/2013	1,062,723	185,271	263,089
11/30/2013	1,055,851	185,271	245,763
12/1/2013	1,205,358	145,303	394,251
12/2/2013	1,115,295	145,471	598,485
12/3/2013	1,067,118	145,511	483,494
12/4/2013	993,540	145,513	347,919
12/5/2013	705,340	141,898	157,932
12/6/2013	529,778	86,251	115,200
12/7/2013	599,839	93,260	176,061
12/8/2013	703,892	108,885	336,033
12/9/2013	664,104	118,343	339,817
12/10/2013	1,126,896	119,294	286,806
12/11/2013	919,004	145,189	139,334
12/12/2013	1,036,529	133,360	93,766
12/13/2013	833,084	130,007	218,341
12/14/2013	853,027	145,286	276,167
12/15/2013	852,653	145,285	367,163
12/16/2013	854,134	135,307	331,439
12/17/2013	876,445	145,287	200,723
12/18/2013	812,167	144,451	366,579
12/19/2013	865,408	145,288	285,377
12/20/2013	830,322	145,283	295,688
12/21/2013	813,683	144,879	301,448
12/22/2013	813,683	145,267	310,933
12/23/2013	813,683	145,267	284,214
12/24/2013	933,838	145,225	340,727
12/25/2013	937,028	145,050	330,257
12/26/2013	888,923	145,015	260,565
12/27/2013	846,995	121,785	287,647
12/28/2013	861,567	145,228	273,071
12/29/2013	863,762	145,194	269,676
12/30/2013	851,409	145,228	304,405
12/31/2013	850,751	145,026	213,246
1/1/2014	737,863	145,126	424,170
1/2/2014	732,176	145,045	474,362
1/3/2014	743,321	145,287	397,084
1/4/2014	685,402	145,180	241,288
1/5/2014	680,580	143,502	204,897
1/6/2014	647,373	128,845	144,562
1/7/2014	545,839	58,833	193,706
1/8/2014	506,080	66,836	105,852

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
1/9/2014	674,520	145,044	259,219
1/10/2014	757,240	145,011	641,384
1/11/2014	787,503	145,085	649,533
1/12/2014	788,000	145,085	652,479
1/13/2014	777,780	145,085	660,457
1/14/2014	732,263	145,099	472,310
1/15/2014	738,581	145,150	511,210
1/16/2014	731,133	144,974	443,061
1/17/2014	739,348	138,610	197,022
1/18/2014	724,744	126,559	379,434
1/19/2014	732,141	135,388	420,045
1/20/2014	737,617	141,419	401,145
1/21/2014	736,737	140,230	458,472
1/22/2014	731,202	145,116	277,542
1/23/2014	586,906	126,492	58,980
1/24/2014	586,829	113,274	80,923
1/25/2014	659,532	138,174	6,067
1/26/2014	668,965	138,174	45,168
1/27/2014	652,011	138,174	121,884
1/28/2014	539,141	103,229	30,732
1/29/2014	658,329	145,240	29,456
1/30/2014	721,424	145,117	53,698
1/31/2014	733,879	138,253	243,113
2/1/2014	679,107	130,057	411,568
2/2/2014	681,348	130,057	354,128
2/3/2014	667,137	130,060	357,798
2/4/2014	502,927	78,370	106,904
2/5/2014	421,682	46,957	163,286
2/6/2014	511,643	82,881	354,396
2/7/2014	532,082	69,903	372,964
2/8/2014	483,808	85,005	100,362
2/9/2014	492,183	85,159	129,633
2/10/2014	490,446	85,159	173,149
2/11/2014	557,227	106,775	288,493
2/12/2014	523,171	61,771	262,932
2/13/2014	651,362	145,282	74,146
2/14/2014	752,139	145,197	264,486
2/15/2014	751,190	144,884	475,949
2/16/2014	752,675	145,082	498,343
2/17/2014	751,029	143,980	513,090
2/18/2014	755,056	144,704	483,935
2/19/2014	751,495	145,142	515,685
2/20/2014	737,325	145,014	207,218
2/21/2014	739,651	141,114	218,488
2/22/2014	657,416	139,162	299,999
2/23/2014	677,415	139,300	300,002
2/24/2014	671,039	139,329	339,126
2/25/2014	683,919	145,087	345,506
2/26/2014	746,934	144,214	202,147
2/27/2014	712,677	145,180	166,341

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
2/28/2014	677,070	136,643	222,592
3/1/2014	939,335	135,091	249,903
3/2/2014	931,329	127,117	275,318
3/3/2014	968,622	135,091	206,102
3/4/2014	926,660	99,309	140,924
3/5/2014	984,709	145,057	33,861
3/6/2014	964,992	145,267	127,961
3/7/2014	1,157,533	145,044	269,197
3/8/2014	1,034,091	112,142	158,603
3/9/2014	1,066,061	141,661	101,896
3/10/2014	1,057,370	145,401	186,410
3/11/2014	1,217,134	140,029	202,553
3/12/2014	1,055,927	123,101	190,225
3/13/2014	1,214,227	142,294	37,270
3/14/2014	1,092,971	145,162	166,748
3/15/2014	1,135,778	99,790	36,525
3/16/2014	1,122,011	144,665	65,179
3/17/2014	1,155,341	131,708	106,847
3/18/2014	1,196,211	145,177	265,122
3/19/2014	1,267,946	145,226	254,788
3/20/2014	1,327,097	143,301	370,058
3/21/2014	1,124,835	144,615	283,931
3/22/2014	1,368,559	144,746	59,929
3/23/2014	1,338,372	144,260	103,811
3/24/2014	1,349,651	143,217	151,769
3/25/2014	1,421,207	145,062	386,530
3/26/2014	1,304,887	145,014	264,018
3/27/2014	1,637,782	145,282	438,644
3/28/2014	1,681,764	145,103	102,880
3/29/2014	1,393,593	145,190	58,115
3/30/2014	1,400,833	145,190	115,358
3/31/2014	1,329,591	145,190	96,385
4/1/2014	1,488,249	209,885	251,644
4/2/2014	1,384,465	205,149	393,141
4/3/2014	1,535,171	210,512	363,363
4/4/2014	1,575,128	210,554	476,021
4/5/2014	1,557,780	195,661	283,650
4/6/2014	1,562,872	195,627	248,179
4/7/2014	1,303,986	195,625	454,781
4/8/2014	1,480,648	195,669	401,640
4/9/2014	1,464,075	195,634	427,155
4/10/2014	1,729,754	210,522	340,660
4/11/2014	1,740,365	210,548	417,493
4/12/2014	1,553,973	210,475	262,273
4/13/2014	1,470,224	210,275	391,227
4/14/2014	1,503,569	210,547	542,558
4/15/2014	1,454,141	210,607	514,451
4/16/2014	1,621,304	210,596	481,717
4/17/2014	1,826,953	210,744	382,824
4/18/2014	1,664,921	210,638	122,915

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled		
4/19/2014	1,655,552	210,638	62,538		
4/20/2014	1,513,370	210,638	269,586		
4/21/2014	1,465,043	210,638	299,476		
4/22/2014	1,849,253	205,352	348,306		
4/23/2014	1,766,451	198,745	352,187		
4/24/2014	1,599,876	210,638	361,569		
4/25/2014	1,588,709	210,747	425,779		
4/26/2014	1,722,576	210,621	125,508		
4/27/2014	1,739,073	210,500	131,930		
4/28/2014	1,574,621	210,726	215,864		
4/29/2014	1,629,095	210,638	456,964		
4/30/2014	1,650,548	207,502	503,674		
5/1/2014	1,602,075	197,345	563,449		
5/2/2014	1,629,612	197,434	534,551		
5/3/2014	1,586,618	197,445	74,743		
5/4/2014	1,615,552	194,683	166,183		
5/5/2014	1,537,958	197,373	200,259		
5/6/2014	1,617,316	192,269	518,349		
5/7/2014	1,769,450	197,445	166,855		
5/8/2014	1,624,994	197,445	195,686		
5/9/2014	1,529,319	183,906	273,174		
5/10/2014	1,634,737	184,965	84,830		
5/11/2014	1,592,428	182,276	43,162		
5/12/2014	1,710,945	181,258	88,100		
5/13/2014	1,822,845	184,965	73,822		
5/14/2014	1,961,455	181,993	121,630		
5/15/2014	1,673,717	184,965	123,785		
5/16/2014	1,832,245	178,063	69,562		
5/17/2014	1,685,396	170,371	138,456		
5/18/2014	1,611,603	175,816	93,644		
5/19/2014	1,680,459	184,938	139,107		
5/20/2014	1,770,586	183,828	99,809		
5/21/2014	1,815,607	184,963	66,541		
5/22/2014	1,847,038	185,004	26,762		
5/23/2014	1,770,385	184,966	21,895		
5/24/2014	1,490,317	184,965	101,808		
5/25/2014	1,520,522	172,612	3,644		
5/26/2014	1,483,818	172,490	73,808		
5/27/2014	1,513,971	184,965	152,088		
5/28/2014	1,618,136	180,767	61,480		
5/29/2014	1,657,296	184,166	54,054		
5/30/2014	1,548,637	183,758	224,995		
5/31/2014	1,501,812	182,380	146,367		
6/1/2014	1,689,607	145,302	38,072		
6/2/2014	1,532,305	145,282	130,498		
6/3/2014	1,620,811	145,282	116,259		
6/4/2014	1,625,678	145,261	127,907		
6/5/2014	1,585,516	145,262	227,030		
6/6/2014	1,629,669	145,262	144,380		
6/7/2014	1,512,935	145,118	122,806		
				Scheduled BTS2	Interruptible Scheduled
				39,173,616	65,877,475

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
6/8/2014	1,598,085	145,118	150,933
6/9/2014	1,382,316	145,262	311,012
6/10/2014	1,699,755	145,208	93,492
6/11/2014	1,524,256	145,262	204,396
6/12/2014	1,525,195	145,263	346,374
6/13/2014	1,627,615	142,477	150,789
6/14/2014	1,525,995	144,783	36,843
6/15/2014	1,534,341	144,783	103,586
6/16/2014	1,576,586	145,282	198,767
6/17/2014	1,739,197	149,822	219,999
6/18/2014	1,764,612	165,283	128,295
6/19/2014	1,596,659	164,134	198,016
6/20/2014	1,581,729	164,464	243,670
6/21/2014	1,529,604	162,546	197,080
6/22/2014	1,555,209	162,461	66,040
6/23/2014	1,402,028	162,495	327,253
6/24/2014	1,572,503	160,680	122,343
6/25/2014	1,547,637	165,096	203,024
6/26/2014	1,628,273	165,183	226,228
6/27/2014	1,701,977	163,196	165,818
6/28/2014	1,638,936	162,537	29,814
6/29/2014	1,671,906	162,683	71,889
6/30/2014	1,465,507	162,786	122,893
7/1/2014	1,447,622	200,261	197,414
7/2/2014	1,346,792	187,299	296,191
7/3/2014	1,315,427	200,250	356,634
7/4/2014	1,487,716	200,314	110,038
7/5/2014	1,456,257	200,058	89,332
7/6/2014	1,473,816	200,355	91,440
7/7/2014	1,309,936	200,355	187,662
7/8/2014	1,354,258	202,011	264,987
7/9/2014	1,399,360	204,849	283,973
7/10/2014	1,422,141	201,450	373,888
7/11/2014	1,545,980	204,716	249,806
7/12/2014	1,402,718	195,940	190,074
7/13/2014	1,393,971	203,911	199,997
7/14/2014	1,306,722	204,798	280,378
7/15/2014	1,326,965	197,579	317,771
7/16/2014	1,389,331	205,031	401,185
7/17/2014	1,363,116	204,899	337,525
7/18/2014	1,207,656	205,198	506,404
7/19/2014	1,507,824	204,879	111,075
7/20/2014	1,511,154	204,884	99,095
7/21/2014	1,424,522	204,885	174,223
7/22/2014	1,482,131	204,980	200,907
7/23/2014	1,497,513	204,895	102,909
7/24/2014	1,357,264	204,394	254,636
7/25/2014	1,356,862	202,671	366,814
7/26/2014	1,387,533	202,815	256,475
7/27/2014	1,321,902	202,832	345,016

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
7/28/2014	1,307,223	202,774	328,599
7/29/2014	1,357,570	202,310	256,025
7/30/2014	1,339,502	200,345	251,815
7/31/2014	1,353,722	197,707	371,129
8/1/2014	1,382,625	244,650	481,306
8/2/2014	1,586,298	243,761	421,956
8/3/2014	1,601,297	249,518	285,606
8/4/2014	1,391,911	252,972	652,737
8/5/2014	1,226,797	253,211	749,170
8/6/2014	1,282,606	251,211	582,752
8/7/2014	1,282,449	252,774	565,464
8/8/2014	1,266,128	252,608	632,428
8/9/2014	1,431,608	251,921	144,562
8/10/2014	1,421,591	252,064	161,496
8/11/2014	1,156,162	252,173	376,545
8/12/2014	1,216,859	251,862	385,117
8/13/2014	1,261,094	253,700	539,542
8/14/2014	1,242,168	253,900	618,275
8/15/2014	1,270,876	253,498	575,954
8/16/2014	1,358,675	253,504	238,748
8/17/2014	1,348,282	253,440	256,138
8/18/2014	1,210,620	254,005	548,314
8/19/2014	1,256,430	254,040	669,284
8/20/2014	1,259,799	253,654	592,399
8/21/2014	1,228,316	243,786	551,339
8/22/2014	1,239,696	253,030	641,419
8/23/2014	1,420,590	247,815	52,286
8/24/2014	1,411,906	253,576	90,928
8/25/2014	1,254,193	254,077	642,589
8/26/2014	1,238,453	254,145	689,165
8/27/2014	1,268,345	254,245	618,549
8/28/2014	1,243,895	254,290	577,539
8/29/2014	1,288,737	293,812	479,011
8/30/2014	1,370,034	263,181	249,684
8/31/2014	1,471,825	255,678	65,198
9/1/2014	1,506,104	267,115	66,124
9/2/2014	1,353,095	272,173	442,690
9/3/2014	1,324,444	280,053	455,741
9/4/2014	1,340,339	278,543	565,687
9/5/2014	1,329,281	262,886	525,823
9/6/2014	1,517,680	266,153	57,747
9/7/2014	1,523,160	264,722	46,976
9/8/2014	1,301,441	264,857	585,951
9/9/2014	1,249,567	273,530	686,403
9/10/2014	1,405,640	266,882	567,038
9/11/2014	1,398,287	288,610	535,642
9/12/2014	1,397,999	277,485	474,125
9/13/2014	1,635,505	293,172	91,328
9/14/2014	1,615,917	293,101	97,659
9/15/2014	1,368,108	291,665	567,286

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
9/16/2014	1,384,813	287,790	558,555
9/17/2014	1,385,041	283,703	561,474
9/18/2014	1,352,581	294,263	691,871
9/19/2014	1,448,698	289,873	523,024
9/20/2014	1,461,376	268,512	66,835
9/21/2014	1,396,560	269,576	121,561
9/22/2014	1,349,418	268,455	187,251
9/23/2014	1,358,362	283,920	490,071
9/24/2014	1,379,230	287,169	575,273
9/25/2014	1,369,977	277,964	569,665
9/26/2014	1,409,202	295,615	487,136
9/27/2014	1,314,565	365,675	40,228
9/28/2014	1,376,579	370,816	17,323
9/29/2014	1,348,328	271,962	495,318
9/30/2014	1,356,034	453,530	592,568
	444,800,442	66,602,705	104,436,271
			615,839,418
	72%	11%	17%

100%

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
10/1/2014	957,400	1,750,261
10/2/2014	973,353	1,891,521
10/3/2014	1,197,099	2,176,649
10/4/2014	1,083,793	2,264,908
10/5/2014	1,317,750	2,026,911
10/6/2014	1,314,978	2,043,970
10/7/2014	1,274,387	1,960,929
10/8/2014	1,076,685	2,120,436
10/9/2014	1,134,262	2,123,164
10/10/2014	1,019,679	2,221,471
10/11/2014	1,152,931	1,898,039
10/12/2014	1,009,203	2,081,936
10/13/2014	1,009,203	2,051,936
10/14/2014	986,491	2,191,163
10/15/2014	871,969	1,990,101
10/16/2014	959,422	2,038,365
10/17/2014	954,156	1,956,556
10/18/2014	1,011,023	2,116,912
10/19/2014	1,011,023	2,004,054
10/20/2014	811,023	2,004,054
10/21/2014	974,783	1,830,683
10/22/2014	965,726	1,738,942
10/23/2014	827,734	1,702,524
10/24/2014	1,160,459	1,997,440
10/25/2014	1,005,823	1,770,992
10/26/2014	1,005,823	1,763,536
10/27/2014	873,147	1,698,536
10/28/2014	1,067,015	2,138,680
10/29/2014	1,146,470	2,195,240
10/30/2014	1,093,921	2,079,389
10/31/2014	1,060,311	2,076,682
11/1/2014	844,921	1,649,751
11/2/2014	994,884	1,804,751
11/3/2014	1,028,999	1,794,788
11/4/2014	1,019,671	2,255,146
11/5/2014	831,921	1,504,913
11/6/2014	1,065,839	2,169,911
11/7/2014	899,098	1,909,604
11/8/2014	870,884	1,839,604
11/9/2014	895,784	1,881,102
11/10/2014	870,884	1,938,239
11/11/2014	948,127	1,872,485
11/12/2014	883,039	1,793,239
11/13/2014	903,239	1,818,165
11/14/2014	841,946	1,813,165
11/15/2014	842,727	1,493,633

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
11/16/2014	842,727	1,485,165
11/17/2014	825,684	1,485,165
11/18/2014	810,184	1,475,401
11/19/2014	849,884	1,475,401
11/20/2014	852,634	1,475,401
11/21/2014	882,025	1,475,401
11/22/2014	804,870	1,489,857
11/23/2014	868,699	1,474,913
11/24/2014	874,609	1,474,913
11/25/2014	860,010	1,483,719
11/26/2014	878,444	1,477,718
11/27/2014	871,944	1,477,718
11/28/2014	871,944	1,477,718
11/29/2014	871,944	1,477,718
11/30/2014	871,944	1,682,959
12/1/2014	663,355	1,985,091
12/2/2014	669,936	2,054,672
12/3/2014	759,589	2,124,868
12/4/2014	748,330	2,312,232
12/5/2014	675,166	1,921,737
12/6/2014	785,922	2,182,530
12/7/2014	864,922	2,180,890
12/8/2014	883,865	2,066,260
12/9/2014	751,783	2,326,062
12/10/2014	897,435	2,323,715
12/11/2014	834,818	2,448,685
12/12/2014	809,307	2,389,997
12/13/2014	740,550	2,291,707
12/14/2014	740,550	2,291,707
12/15/2014	740,550	2,291,707
12/16/2014	709,332	2,295,260
12/17/2014	697,295	2,067,683
12/18/2014	740,995	2,084,898
12/19/2014	738,568	2,307,603
12/20/2014	710,306	2,461,621
12/21/2014	710,306	2,452,252
12/22/2014	710,306	2,297,530
12/23/2014	681,332	2,105,527
12/24/2014	695,312	2,205,853
12/25/2014	681,332	2,160,964
12/26/2014	681,332	2,076,997
12/27/2014	681,332	2,076,997
12/28/2014	681,332	2,076,997
12/29/2014	681,332	2,067,034
12/30/2014	699,321	1,916,249
12/31/2014	681,332	1,666,249

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
1/1/2015	594,387	1,621,118
1/2/2015	594,387	1,621,118
1/3/2015	594,387	1,621,118
1/4/2015	594,387	1,621,118
1/5/2015	594,387	1,621,118
1/6/2015	482,387	1,621,118
1/7/2015	473,420	1,621,119
1/8/2015	473,420	1,621,119
1/9/2015	482,387	1,721,119
1/10/2015	475,420	1,880,949
1/11/2015	475,420	1,905,329
1/12/2015	475,420	1,885,329
1/13/2015	482,387	1,787,560
1/14/2015	482,387	1,964,137
1/15/2015	495,387	1,848,565
1/16/2015	657,887	1,809,231
1/17/2015	487,387	2,023,686
1/18/2015	487,387	2,023,768
1/19/2015	487,387	2,021,468
1/20/2015	487,387	1,984,268
1/21/2015	506,755	1,862,866
1/22/2015	497,387	2,004,708
1/23/2015	497,387	1,942,290
1/24/2015	527,587	2,282,608
1/25/2015	527,587	2,282,608
1/26/2015	527,587	2,086,921
1/27/2015	589,335	2,091,353
1/28/2015	518,917	2,242,007
1/29/2015	665,837	2,272,986
1/30/2015	508,420	2,116,119
1/31/2015	517,387	2,256,479
2/1/2015	646,205	2,059,572
2/2/2015	583,590	2,039,572
2/3/2015	619,999	2,450,904
2/4/2015	521,963	1,876,410
2/5/2015	631,936	2,338,624
2/6/2015	572,931	2,161,155
2/7/2015	575,520	2,177,169
2/8/2015	579,830	2,170,254
2/9/2015	575,520	2,209,577
2/10/2015	647,267	2,625,190
2/11/2015	528,945	2,103,855
2/12/2015	674,789	2,401,904
2/13/2015	662,912	2,089,100
2/14/2015	560,901	2,209,738
2/15/2015	560,901	2,117,743

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
2/16/2015	562,501	2,118,655
2/17/2015	562,501	2,031,155
2/18/2015	547,912	1,927,501
2/19/2015	539,434	2,191,312
2/20/2015	576,582	2,190,513
2/21/2015	541,934	2,022,529
2/22/2015	541,934	1,869,767
2/23/2015	551,897	1,838,830
2/24/2015	556,502	1,771,456
2/25/2015	539,397	1,771,944
2/26/2015	529,430	1,672,279
2/27/2015	529,430	1,694,876
2/28/2015	539,328	1,694,876
3/1/2015	492,827	2,024,188
3/2/2015	492,827	2,024,188
3/3/2015	509,327	1,899,873
3/4/2015	492,827	1,899,873
3/5/2015	492,827	1,899,873
3/6/2015	507,827	2,017,311
3/7/2015	527,502	2,081,162
3/8/2015	527,502	2,007,795
3/9/2015	527,502	2,016,762
3/10/2015	538,917	2,364,079
3/11/2015	498,860	2,036,399
3/12/2015	659,738	2,234,559
3/13/2015	565,797	2,187,273
3/14/2015	543,327	2,041,535
3/15/2015	543,327	2,061,335
3/16/2015	558,827	2,041,535
3/17/2015	707,327	2,296,803
3/18/2015	524,360	2,153,388
3/19/2015	571,489	2,284,170
3/20/2015	549,323	2,262,138
3/21/2015	550,790	2,183,214
3/22/2015	550,790	2,182,000
3/23/2015	550,790	2,239,290
3/24/2015	594,790	2,167,068
3/25/2015	519,287	2,116,873
3/26/2015	510,712	2,209,225
3/27/2015	519,324	2,152,361
3/28/2015	504,342	2,152,361
3/29/2015	504,342	2,144,566
3/30/2015	549,177	2,144,566
3/31/2015	504,342	2,151,873
4/1/2015	836,180	2,251,222
4/2/2015	738,255	2,018,082

130,648,222

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
4/3/2015	748,676	1,981,305
4/4/2015	748,676	1,978,845
4/5/2015	748,676	2,013,787
4/6/2015	748,676	2,071,533
4/7/2015	733,284	2,137,476
4/8/2015	739,284	2,007,743
4/9/2015	741,271	2,006,310
4/10/2015	741,271	2,139,587
4/11/2015	726,679	1,941,909
4/12/2015	726,679	1,971,902
4/13/2015	726,679	1,941,902
4/14/2015	765,279	2,189,693
4/15/2015	741,312	2,265,424
4/16/2015	754,954	2,227,753
4/17/2015	731,671	1,830,685
4/18/2015	726,679	1,882,235
4/19/2015	726,679	1,834,887
4/20/2015	726,679	1,834,887
4/21/2015	751,279	2,096,854
4/22/2015	748,767	1,852,090
4/23/2015	747,112	2,034,682
4/24/2015	777,239	2,065,605
4/25/2015	741,687	1,951,276
4/26/2015	741,687	1,951,272
4/27/2015	741,687	1,951,272
4/28/2015	733,292	2,031,931
4/29/2015	725,692	1,992,237
4/30/2015	728,692	1,989,866
5/1/2015	879,679	1,741,342
5/2/2015	916,621	1,662,293
5/3/2015	916,621	1,615,474
5/4/2015	927,604	1,615,474
5/5/2015	866,618	1,688,101
5/6/2015	826,640	1,903,342
5/7/2015	846,025	1,765,141
5/8/2015	816,072	1,736,099
5/9/2015	860,289	1,792,850
5/10/2015	826,072	1,757,846
5/11/2015	880,257	1,666,585
5/12/2015	816,072	1,675,376
5/13/2015	816,072	1,618,965
5/14/2015	891,072	1,649,814
5/15/2015	820,767	1,766,784
5/16/2015	897,672	1,718,414
5/17/2015	817,672	1,712,680
5/18/2015	817,672	1,682,129

Flow Date	Contract Rights - BTS1	Contract Rights - BTS2
5/19/2015	823,989	1,674,530
5/20/2015	817,672	1,622,764
5/21/2015	849,895	1,641,962
5/22/2015	861,427	1,650,999
5/23/2015	817,672	1,615,474
5/24/2015	817,672	1,615,474
5/25/2015	817,672	1,641,443
5/26/2015	817,672	1,656,467
5/27/2015	820,369	1,737,442
5/28/2015	827,280	1,633,667
5/29/2015	817,672	1,615,474
5/30/2015	817,672	1,621,421
5/31/2015	817,672	1,617,337
	179,126,728	474,672,028

653,798,756

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
10/1/2014	940,176	1,683,272	433,519
10/2/2014	954,426	1,856,722	448,089
10/3/2014	1,153,949	2,135,241	69,898
10/4/2014	1,068,976	2,221,829	39,080
10/5/2014	1,220,588	1,958,243	11,433
10/6/2014	1,299,741	2,005,700	56,946
10/7/2014	1,256,026	1,917,239	42,966
10/8/2014	1,060,581	2,078,725	92,946
10/9/2014	1,119,161	2,085,831	83,030
10/10/2014	1,001,556	2,178,653	65,202
10/11/2014	1,137,849	1,852,779	60,396
10/12/2014	989,184	2,028,154	79,527
10/13/2014	992,690	2,003,662	89,278
10/14/2014	969,527	2,069,985	273,337
10/15/2014	854,790	1,943,303	458,406
10/16/2014	943,411	2,012,640	421,033
10/17/2014	938,382	1,910,618	435,228
10/18/2014	960,679	1,983,091	16,331
10/19/2014	983,081	1,959,325	80,217
10/20/2014	774,936	1,906,325	252,655
10/21/2014	944,979	1,754,364	490,948
10/22/2014	937,307	1,690,431	227,284
10/23/2014	794,006	1,601,925	324,519
10/24/2014	1,095,856	1,908,301	94,758
10/25/2014	974,286	1,567,490	48,199
10/26/2014	977,778	1,574,853	141,856
10/27/2014	852,223	1,490,414	312,618
10/28/2014	1,045,920	2,077,814	132,679
10/29/2014	1,116,653	2,052,827	15,110
10/30/2014	1,068,952	1,927,800	34,142
10/31/2014	1,037,303	1,926,178	63,540
11/1/2014	810,733	1,571,030	347,321
11/2/2014	983,723	1,764,673	84,339
11/3/2014	1,006,353	1,731,208	70,356
11/4/2014	992,389	2,173,754	30,150
11/5/2014	821,048	1,436,177	538,917
11/6/2014	1,028,121	1,996,017	16,478
11/7/2014	871,363	1,818,731	141,049
11/8/2014	844,382	1,682,205	26,831
11/9/2014	835,439	1,646,366	6,793
11/10/2014	860,480	1,795,497	174,599
11/11/2014	906,501	1,759,932	27,195
11/12/2014	868,849	1,482,329	21,296
11/13/2014	889,266	1,455,897	32,303

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
11/14/2014	807,254	1,533,834	72,380
11/15/2014	832,531	1,330,485	52,908
11/16/2014	803,053	1,318,441	41,722
11/17/2014	797,788	1,280,313	30,321
11/18/2014	793,743	1,275,377	40,554
11/19/2014	836,726	1,157,397	55,363
11/20/2014	820,954	1,061,516	25,170
11/21/2014	864,299	1,134,459	108,527
11/22/2014	788,044	1,352,271	208,933
11/23/2014	854,220	1,337,453	263,900
11/24/2014	859,790	1,348,210	180,795
11/25/2014	851,414	1,372,411	184,693
11/26/2014	837,254	1,388,478	254,531
11/27/2014	843,498	1,414,870	283,846
11/28/2014	845,004	1,404,160	220,283
11/29/2014	833,994	1,382,736	126,864
11/30/2014	854,907	1,598,143	118,895
12/1/2014	644,951	1,871,493	106,410
12/2/2014	657,062	1,946,858	116,230
12/3/2014	751,728	2,021,488	214,427
12/4/2014	727,682	2,202,944	117,269
12/5/2014	667,947	1,847,610	382,050
12/6/2014	747,309	2,035,141	31,700
12/7/2014	826,465	1,947,983	21,364
12/8/2014	826,082	1,921,958	175,325
12/9/2014	722,643	2,265,357	43,745
12/10/2014	887,661	2,253,016	45,603
12/11/2014	817,963	2,375,282	54,511
12/12/2014	785,647	2,349,884	162,639
12/13/2014	727,410	2,246,790	56,778
12/14/2014	728,320	2,231,580	56,559
12/15/2014	709,990	2,239,106	29,145
12/16/2014	700,540	2,177,625	37,929
12/17/2014	687,739	1,994,507	120,061
12/18/2014	731,651	2,023,399	155,407
12/19/2014	720,782	2,265,631	143,213
12/20/2014	664,055	2,415,519	10,164
12/21/2014	629,426	2,387,428	8,761
12/22/2014	686,635	2,271,682	164,287
12/23/2014	673,685	2,021,698	52,381
12/24/2014	644,021	2,122,932	10,960
12/25/2014	658,580	1,892,538	18,227
12/26/2014	667,653	1,876,357	54,199

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
12/27/2014	655,153	1,762,868	39,844
12/28/2014	638,414	1,721,370	23,999
12/29/2014	607,145	1,692,378	23,271
12/30/2014	526,171	1,512,932	133,087
12/31/2014	530,256	1,409,017	146,544
1/1/2015	542,388	1,453,196	166,290
1/2/2015	538,226	1,449,883	149,213
1/3/2015	572,573	1,229,057	73,838
1/4/2015	559,943	1,293,159	34,648
1/5/2015	565,263	1,368,245	96,852
1/6/2015	466,277	1,409,565	204,140
1/7/2015	455,086	1,319,959	223,242
1/8/2015	459,610	1,460,021	148,667
1/9/2015	474,028	1,684,701	133,092
1/10/2015	469,011	1,803,201	44,139
1/11/2015	467,268	1,849,708	44,728
1/12/2015	467,269	1,841,544	37,906
1/13/2015	475,868	1,757,074	161,139
1/14/2015	476,565	1,936,343	155,829
1/15/2015	489,232	1,822,166	252,770
1/16/2015	651,299	1,782,187	425,633
1/17/2015	480,606	1,963,067	70,684
1/18/2015	479,510	1,950,157	62,364
1/19/2015	480,758	1,942,366	114,454
1/20/2015	480,360	1,913,098	114,667
1/21/2015	500,774	1,827,764	257,288
1/22/2015	490,666	1,981,000	201,987
1/23/2015	470,019	1,909,989	220,127
1/24/2015	515,022	2,207,616	134,813
1/25/2015	437,192	2,003,998	36,424
1/26/2015	515,008	2,038,836	269,930
1/27/2015	579,081	2,001,121	115,816
1/28/2015	505,958	2,137,772	229,370
1/29/2015	647,799	2,134,238	46,554
1/30/2015	496,692	2,012,147	137,814
1/31/2015	507,477	2,083,498	61,516
2/1/2015	639,427	1,932,792	152,530
2/2/2015	567,643	1,898,791	199,236
2/3/2015	554,087	2,200,302	15,385
2/4/2015	513,328	1,768,291	239,694
2/5/2015	619,778	2,232,474	38,533
2/6/2015	558,817	2,005,405	75,609

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
2/7/2015	565,271	2,043,818	65,150
2/8/2015	564,450	2,029,466	90,996
2/9/2015	565,271	2,068,803	87,252
2/10/2015	575,552	2,303,986	9,032
2/11/2015	520,219	1,972,778	213,836
2/12/2015	639,401	2,206,182	23,263
2/13/2015	658,470	1,937,468	146,490
2/14/2015	535,354	1,912,848	12,090
2/15/2015	513,089	1,845,053	23,615
2/16/2015	537,002	1,926,855	25,955
2/17/2015	553,674	1,790,028	172,532
2/18/2015	531,984	1,765,030	218,636
2/19/2015	533,340	2,109,127	129,542
2/20/2015	556,056	2,087,543	76,277
2/21/2015	531,042	1,782,550	176,771
2/22/2015	530,059	1,711,071	63,686
2/23/2015	528,216	1,516,942	67,176
2/24/2015	541,789	1,458,951	100,082
2/25/2015	527,483	1,469,602	144,217
2/26/2015	522,832	1,336,446	137,938
2/27/2015	517,916	1,278,845	125,404
2/28/2015	528,281	1,254,962	98,556
3/1/2015	476,842	1,882,060	80,165
3/2/2015	457,916	1,759,057	122,245
3/3/2015	502,437	1,543,983	99,865
3/4/2015	417,434	1,354,797	43,009
3/5/2015	460,953	1,286,794	51,330
3/6/2015	496,163	1,877,705	89,704
3/7/2015	514,277	1,977,349	82,701
3/8/2015	515,435	1,957,223	91,202
3/9/2015	516,824	1,965,010	89,607
3/10/2015	530,658	2,317,449	80,986
3/11/2015	489,831	1,951,031	112,976
3/12/2015	652,185	2,185,005	77,928
3/13/2015	556,701	2,124,666	59,258
3/14/2015	531,052	1,985,868	36,474
3/15/2015	529,091	1,999,919	74,552
3/16/2015	530,673	1,988,648	64,952
3/17/2015	640,261	2,158,629	30,634
3/18/2015	494,379	2,098,465	125,179
3/19/2015	550,492	2,221,024	16,607
3/20/2015	524,864	2,152,341	12,076

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
3/21/2015	465,281	1,949,229	17,900
3/22/2015	459,270	1,945,571	29,658
3/23/2015	543,869	2,051,939	91,971
3/24/2015	549,301	2,001,383	28,371
3/25/2015	502,545	2,038,803	43,269
3/26/2015	503,869	2,085,910	176,274
3/27/2015	498,693	2,032,116	93,278
3/28/2015	495,572	1,947,440	9,682
3/29/2015	476,847	1,954,381	14,904
3/30/2015	536,769	2,000,718	30,060
3/31/2015	493,493	1,979,122	56,294
4/1/2015	731,863	1,909,050	39,263
4/2/2015	727,002	1,910,698	49,644
4/3/2015	738,212	1,816,502	122,071
4/4/2015	712,817	1,816,398	36,569
4/5/2015	683,512	1,804,123	85,880
4/6/2015	735,337	1,916,865	192,491
4/7/2015	696,234	2,061,770	119,719
4/8/2015	711,821	1,969,614	171,888
4/9/2015	732,698	1,897,102	222,490
4/10/2015	691,588	2,005,477	96,078
4/11/2015	673,687	1,821,894	16,043
4/12/2015	686,734	1,854,924	67,782
4/13/2015	699,373	1,846,742	336,296
4/14/2015	757,580	2,117,093	79,143
4/15/2015	717,255	2,135,070	27,544
4/16/2015	746,930	2,103,435	45,231
4/17/2015	723,501	1,749,173	136,338
4/18/2015	669,991	1,689,617	3,053
4/19/2015	695,798	1,727,494	64,842
4/20/2015	693,803	1,697,140	121,124
4/21/2015	720,548	1,952,642	90,940
4/22/2015	738,794	1,753,445	112,821
4/23/2015	741,428	1,913,413	168,552
4/24/2015	748,764	1,994,868	172,320
4/25/2015	729,605	1,806,896	14,485
4/26/2015	735,764	1,835,159	35,457
4/27/2015	735,895	1,868,229	16,486
4/28/2015	707,137	1,907,090	218,593
4/29/2015	719,845	1,887,482	245,583
4/30/2015	713,525	1,914,117	132,433
5/1/2015	870,606	1,658,271	141,537

335,859,195

21,327,099

Flow Date	Scheduled BTS1	Scheduled BTS2	Interruptible Scheduled
5/2/2015	888,389	1,523,914	102,561
5/3/2015	878,695	1,505,364	93,237
5/4/2015	918,027	1,459,022	195,534
5/5/2015	853,386	1,632,756	200,510
5/6/2015	815,974	1,816,149	255,280
5/7/2015	837,251	1,678,135	121,867
5/8/2015	809,025	1,638,232	272,443
5/9/2015	853,141	1,698,331	144,092
5/10/2015	802,445	1,636,397	88,466
5/11/2015	873,109	1,543,069	141,833
5/12/2015	806,901	1,564,002	103,347
5/13/2015	806,677	1,538,836	118,850
5/14/2015	869,273	1,587,433	167,453
5/15/2015	813,609	1,710,415	177,671
5/16/2015	885,909	1,577,339	64,598
5/17/2015	807,842	1,591,995	140,424
5/18/2015	808,535	1,587,477	63,264
5/19/2015	808,704	1,530,248	95,995
5/20/2015	810,011	1,557,831	62,347
5/21/2015	842,134	1,597,027	74,914
5/22/2015	853,977	1,607,196	234,104
5/23/2015	716,916	1,452,892	11,376
5/24/2015	666,289	1,388,451	25,263
5/25/2015	651,130	1,284,367	28,718
5/26/2015	803,785	1,352,071	44,082
5/27/2015	812,342	1,432,515	104,424
5/28/2015	820,049	1,486,628	93,872
5/29/2015	804,194	1,443,293	54,050
5/30/2015	807,529	1,463,672	68,502
5/31/2015	787,708	1,461,053	92,225
		440,547,098	28,151,097

	(A)	(B)	C	(D)	(E)
				12-mos. vs. 8-mos throughput	Projected
	Actual	Actual	Actual	increase	10/1/14 - 9/30/15
	10/1/13 - 5/31/14	10/1/14 - 5/31/15	10/1/13 - 9/30/14	(%)	Dth/d
	Dth/d	Dth/d	Dth/d		
Contracted BTS 1	2,217,727	737,147	2,332,175	105%	
Scheduled BTS 2	161,208	1,812,951	182,473	113%	
Scheduled Interruptible	271,101	115,848	286,127	106%	
Total Throughput	2,650,036	2,665,946	2,800,775	106%	2,817,590

	Actual	Actual
	10/1/13 - 5/31/14	10/1/14 - 5/31/15
Contracted BTS 1	84%	28%
Scheduled BTS 2	6%	68%
Scheduled Interruptible	10%	4%
Total Throughput	100%	100%