

**SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY
2016 TCAP Phase 1**

12/18/2014

**Workpapers to the Prepared Direct Testimony of
Steve Watson**

**SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY
2016 TCAP Phase 1**

12/18/2014

**Section 1
2016-2019 TCAP Storage Cost Allocation**

**Workpapers to the Prepared Direct Testimony of
Steve Watson**

	<u>Bcf</u>	<u>MMcfd</u>					
		Withdrawal		Injection		Injection	
		Winter	Summer	2016 Summer	2017-2019 Summer	2016 Winter	2017-2019 Winter
Total	138.1	3,175	1,812	770	915	390	535
Balancing	5.1	525	525	200	345	200	345
Core	83	2,225	1,081	388	388	190	190
Unbundled	50	425	206	182	182	-	-

TABLE 1
Applying Gas Accord V Cost Allocation to 2016 SCG TCAP
(MDth)

	Storage Services	Injection	Inventory	Withdrawal	Total Storage Units
Row 1	Core Reservation	114,347	84,951	580,552	779,850
Row 2	Load Balancing	74,716	5,220	196,128	276,064
Row 3	Unbundled Storage	39,863	51,175	110,892	201,930
Row 4=1+2+3	Total Storage	<u>228,926</u>	<u>141,345</u>	<u>887,572</u>	<u>1,257,844</u>

TABLE 2

	Storage Services	Injection	Inventory	Withdrawal	Storage Units
Row 1	Core Reservation	9%	7%	46%	62%
Row 2	Load Balancing	6%	0%	16%	22%
Row 3	Unbundled Storage	3%	4%	9%	16%
Row 4=1+2+3	Total Storage	<u>18%</u>	<u>11%</u>	<u>71%</u>	<u>100%</u>

Table 3
2016 Storage Embedded Cost Allocation Based on Firm Rights

	Allocation %	Allocation Volume	Total	Units	Costs(\$MM)
Core Reservation					
Inventory	11%	83	138	Bcf	\$ 6.5
Injection(summer)	18%	388	770	MMcfd	\$ 8.7
Injection(winter)		190	390		
Withdrawal(winter)	71%	2,225	3,175	MMcfd	\$ 44.4
Withdrawal(summer)		1,081	1,812	MMcfd	
Total Core	100%				<u>\$ 59.64</u>
Load Balancing					
Inventory	11%	5.1	138	Bcf	\$ 0.4
Injection	18%	200	770	MMcfd	\$ 5.7
Withdrawal	71%	525	3,175	MMcfd	\$ 15.0
Total Load Balancing	100%				<u>\$ 21.11</u>
Unbundled Storage					
Inventory	11%	50.0	138	Bcf	\$ 3.9
Injection(summer)	18%	182	770	MMcfd	\$ 3.0
Injection(winter)		0	0		
Withdrawal(winter)	71%	425	3,175	MMcfd	\$ 8.5
Withdrawal(summer)		206	1,812		
Total Unbundled Storage					<u>\$ 15.44</u>
Total Storage Cost					<u>\$ 96.19</u>

BTU Factor 1.0235

TABLE 1
Applying Gas Accord V Cost Allocation to 2017-19 SCG TCAP
(MDth)

	Storage Services	Injection	Inventory	Withdrawal	Total Storage Units
Row 1	Core Reservation	114,347	84,951	580,552	779,850
Row 2	Load Balancing	128,884	5,220	196,128	330,232
Row 3	Unbundled Storage	39,863	51,175	110,892	201,930
Row 4=1+2+3	Total Storage	<u>283,095</u>	<u>141,345</u>	<u>887,572</u>	<u>1,312,012</u>

TABLE 2

	Storage Services	Injection	Inventory	Withdrawal	Storage Units
Row 1	Core Reservation	9%	6%	44%	59%
Row 2	Load Balancing	10%	0%	15%	25%
Row 3	Unbundled Storage	3%	4%	8%	15%
Row 4=1+2+3	Total Storage	<u>22%</u>	<u>11%</u>	<u>68%</u>	<u>100%</u>

Table 3

2017-19 Storage Embedded Cost Allocation Based on Firm Rights

	Allocation %	Allocation Volume	Total	Units	Costs(\$MM)
Core Reservation					
Inventory	11%	83	138	Bcf	\$ 7.2
Injection(summer)	22%	388	915	MMcfd	\$ 9.6
Injection(winter)		190	535		
Withdrawal(winter)	68%	2,225	3,175	MMcfd	\$ 48.9
Withdrawal(summer)		1,081	1,812	MMcfd	
Total Core	100%				<u>\$ 65.73</u>
Load Balancing					
Inventory	11%	5.1	138	Bcf	\$ 0.4
Injection(summer)	22%	345	915	MMcfd	\$ 10.9
Injection(winter)		345	535		
Withdrawal	68%	525	3,175	MMcfd	\$ 16.5
Total Load Balancing	100%				<u>\$ 27.83</u>
Unbundled Storage					
Inventory	11%	50.0	138	Bcf	\$ 4.3
Injection(summer)	22%	182	915	MMcfd	\$ 3.4
Injection(winter)		0	535		
Withdrawal(winter)	68%	425	3,175	MMcfd	\$ 9.3
Withdrawal(summer)		206	1,812		
Total Unbundled Storage					<u>\$ 17.02</u>
Total Storage Cost					<u>\$ 110.58</u>
BTU Factor			1.0235		

**SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY
2016 TCAP Phase 1**

12/18/2014

Section 2

April 2013 – March 2014 OFO Backcasts

**Workpapers to the Prepared Direct Testimony of
Steve Watson**

(Mar-13 to Apr-14)

Low OFO?

Gas Flow date	Actual Storage Wdr for Cust Balancing	(347,820)	41
4/1/2013	256056		
4/2/2013	234907		
4/3/2013	-61887		
4/4/2013	148269		
4/5/2013	240898		
4/6/2013	-3248		
4/7/2013	58327		
4/8/2013	-291017		
4/9/2013	-76507		
4/10/2013	-82289		
4/11/2013	-182766		
4/12/2013	270490		
4/13/2013	242820		
4/14/2013	-6133		
4/15/2013	-254002		
4/16/2013	-216763		
4/17/2013	-326873		
4/18/2013	-115171		
4/19/2013	-15203		
4/20/2013	256713		
4/21/2013	180713		
4/22/2013	-180992		
4/23/2013	-236231		
4/24/2013	-394552		
4/25/2013	-189373		
4/26/2013	36908		
4/27/2013	208611		
4/28/2013	202854		
4/29/2013	-133381		
4/30/2013	173412		
5/1/2013	-222247		
5/2/2013	-58038		
5/3/2013	289978		
5/4/2013	547980		
5/5/2013	501151		
5/6/2013	259862		
5/7/2013	289771		
5/8/2013	350265		
5/9/2013	144747		
5/10/2013	358651		
5/11/2013	-241262		
5/12/2013	352397		
5/13/2013	-262071		

5/14/2013	168563
5/15/2013	484526
5/16/2013	78244
5/17/2013	-201953
5/18/2013	-56770
5/19/2013	413811
5/20/2013	39164
5/21/2013	310249
5/22/2013	84837
5/23/2013	51439
5/24/2013	180770
5/25/2013	-290005
5/26/2013	-478593
5/27/2013	-803
5/28/2013	-642669
5/29/2013	-632252
5/30/2013	-781082
5/31/2013	-649660
6/1/2013	221706
6/2/2013	438354
6/3/2013	251047
6/4/2013	588135
6/5/2013	537622
6/6/2013	310813
6/7/2013	522840
6/8/2013	-199676
6/9/2013	-266048
6/10/2013	310584
6/11/2013	522166
6/12/2013	-415179
6/13/2013	348610
6/14/2013	-95779
6/15/2013	68099
6/16/2013	-229187
6/17/2013	60525
6/18/2013	-68563
6/19/2013	189323
6/20/2013	344320
6/21/2013	281975
6/22/2013	253513
6/23/2013	-51836
6/24/2013	124087
6/25/2013	151151
6/26/2013	-113858
6/27/2013	-218710
6/28/2013	-466178
6/29/2013	-603683

6/30/2013	-571677
7/1/2013	-813217
7/2/2013	-275600
7/3/2013	399852
7/4/2013	315078
7/5/2013	456522
7/6/2013	562604
7/7/2013	409460
7/8/2013	-270330
7/9/2013	-494819
7/10/2013	26605
7/11/2013	23336
7/12/2013	317070
7/13/2013	317381
7/14/2013	324381
7/15/2013	-122846
7/16/2013	-31642
7/17/2013	-120706
7/18/2013	-192851
7/19/2013	36960
7/20/2013	-67774
7/21/2013	-194452
7/22/2013	-434943
7/23/2013	-63770
7/24/2013	-337499
7/25/2013	-9223
7/26/2013	83399
7/27/2013	421721
7/28/2013	468811
7/29/2013	495477
7/30/2013	164266
7/31/2013	185889
8/1/2013	315166
8/2/2013	292510
8/3/2013	340017
8/4/2013	406592
8/5/2013	124623
8/6/2013	154296
8/7/2013	369763
8/8/2013	51027
8/9/2013	60260
8/10/2013	324179
8/11/2013	272980
8/12/2013	-141390
8/13/2013	-30007
8/14/2013	37997
8/15/2013	-266771

8/16/2013	-83823
8/17/2013	143541
8/18/2013	-135951
8/19/2013	-488800
8/20/2013	-238593
8/21/2013	-406372
8/22/2013	-469248
8/23/2013	27285
8/24/2013	304561
8/25/2013	115369
8/26/2013	-232311
8/27/2013	-497954
8/28/2013	-699905
8/29/2013	-655266
8/30/2013	-736898
8/31/2013	-134583
9/1/2013	43213
9/2/2013	-145546
9/3/2013	-783421
9/4/2013	-856531
9/5/2013	-373186
9/6/2013	-81383
9/7/2013	52286
9/8/2013	237715
9/9/2013	29224
9/10/2013	525885
9/11/2013	-58693
9/12/2013	143762
9/13/2013	56239
9/14/2013	187846
9/15/2013	87553
9/16/2013	-106998
9/17/2013	-53296
9/18/2013	-140721
9/19/2013	-53428
9/20/2013	343432
9/21/2013	331379
9/22/2013	372511
9/23/2013	32604
9/24/2013	266222
9/25/2013	286368
9/26/2013	188329
9/27/2013	326152
9/28/2013	313995
9/29/2013	444010
9/30/2013	178477
10/1/2013	186142

10/2/2013	25950
10/3/2013	-11004
10/4/2013	227215
10/5/2013	465564
10/6/2013	457166
10/7/2013	-289942
10/8/2013	110441
10/9/2013	-89974
10/10/2013	-30100
10/11/2013	-482
10/12/2013	5494
10/13/2013	26290
10/14/2013	-501057
10/15/2013	-557360
10/16/2013	-647908
10/17/2013	-153705
10/18/2013	-81765
10/19/2013	-199802
10/20/2013	-181950
10/21/2013	-375914
10/22/2013	-403514
10/23/2013	-288503
10/24/2013	-13473
10/25/2013	-156309
10/26/2013	63557
10/27/2013	-275650
10/28/2013	-599458
10/29/2013	-186381
10/30/2013	-211328
10/31/2013	-190207
11/1/2013	129505
11/2/2013	-11765
11/3/2013	72557
11/4/2013	-182735
11/5/2013	-68758
11/6/2013	-138902
11/7/2013	255928
11/8/2013	99867
11/9/2013	17918
11/10/2013	-40470
11/11/2013	-183350
11/12/2013	94862
11/13/2013	343687
11/14/2013	97514
11/15/2013	221025
11/16/2013	245653
11/17/2013	-23822

11/18/2013	632196
11/19/2013	368876
11/20/2013	121444
11/21/2013	-385487
11/22/2013	-788588
11/23/2013	-397594
11/24/2013	-491420
11/25/2013	-987045
11/26/2013	803830
11/27/2013	496498
11/28/2013	266639
11/29/2013	-143897
11/30/2013	151770
12/1/2013	345942
12/2/2013	-171207
12/3/2013	282613
12/4/2013	-186472
12/5/2013	-632962
12/6/2013	-196811
12/7/2013	312325
12/8/2013	413552
12/9/2013	-28815
12/10/2013	171269
12/11/2013	128417
12/12/2013	518276
12/13/2013	134913
12/14/2013	322224
12/15/2013	854278
12/16/2013	406000
12/17/2013	-79005
12/18/2013	-584224
12/19/2013	530887
12/20/2013	172119
12/21/2013	43773
12/22/2013	-110502
12/23/2013	20498
12/24/2013	245454
12/25/2013	508019
12/26/2013	32501
12/27/2013	-32873
12/28/2013	345954
12/29/2013	115955
12/30/2013	-330657
12/31/2013	295098
1/1/2014	-98104
1/2/2014	-227168
1/3/2014	-118225



= Standby Procurement Days
 Withdrawals by balancing
 Customers tended to cease

1/4/2014	-328952
1/5/2014	-527687
1/6/2014	-1046448
1/7/2014	-1161748
1/8/2014	331631
1/9/2014	-180435
1/10/2014	172304
1/11/2014	174824
1/12/2014	999324
1/13/2014	-84676
1/14/2014	-69734
1/15/2014	-142735
1/16/2014	-209830
1/17/2014	-271517
1/18/2014	213794
1/19/2014	69791
1/20/2014	-184211
1/21/2014	-303546
1/22/2014	-239439
1/23/2014	-607450
1/24/2014	844381
1/25/2014	170308
1/26/2014	673233
1/27/2014	74966
1/28/2014	245414
1/29/2014	-129817
1/30/2014	116473
1/31/2014	650810
2/1/2014	-940589
2/2/2014	373669
2/3/2014	-325750
2/4/2014	224629
2/5/2014	-85211
2/6/2014	385579
2/7/2014	585299
2/8/2014	729606
2/9/2014	438225
2/10/2014	280776
2/11/2014	-100830
2/12/2014	-121430
2/13/2014	-241972
2/14/2014	-102008
2/15/2014	-174830
2/16/2014	107872
2/17/2014	33664
2/18/2014	62265
2/19/2014	77975

2/20/2014	-272694
2/21/2014	-27335
2/22/2014	-158184
2/23/2014	-136516
2/24/2014	-232829
2/25/2014	148907
2/26/2014	206450
2/27/2014	306341
2/28/2014	199082
3/1/2014	159795
3/2/2014	103084
3/3/2014	52541
3/4/2014	-33039
3/5/2014	-174150
3/6/2014	174101
3/7/2014	271634
3/8/2014	25710
3/9/2014	319025
3/10/2014	235883
3/11/2014	131230
3/12/2014	-80312
3/13/2014	14139
3/14/2014	129028
3/15/2014	-132761
3/16/2014	230278
3/17/2014	210049
3/18/2014	76805
3/19/2014	95813
3/20/2014	-17142
3/21/2014	-227825
3/22/2014	162591
3/23/2014	-8658
3/24/2014	-235207
3/25/2014	146378
3/26/2014	80928
3/27/2014	26802
3/28/2014	-43241
3/29/2014	46139
3/30/2014	265046
3/31/2014	61809

Count 41

(Mar-13 to Apr-14)

Low OFO?

Gas Flow date	Actual Storage Wdr for Cust Balancing	(537,075)	23
4/1/2013	256056		
4/2/2013	234907		
4/3/2013	-61887		
4/4/2013	148269		
4/5/2013	240898		
4/6/2013	-3248		
4/7/2013	58327		
4/8/2013	-291017		
4/9/2013	-76507		
4/10/2013	-82289		
4/11/2013	-182766		
4/12/2013	270490		
4/13/2013	242820		
4/14/2013	-6133		
4/15/2013	-254002		
4/16/2013	-216763		
4/17/2013	-326873		
4/18/2013	-115171		
4/19/2013	-15203		
4/20/2013	256713		
4/21/2013	180713		
4/22/2013	-180992		
4/23/2013	-236231		
4/24/2013	-394552		
4/25/2013	-189373		
4/26/2013	36908		
4/27/2013	208611		
4/28/2013	202854		
4/29/2013	-133381		
4/30/2013	173412		
5/1/2013	-222247		
5/2/2013	-58038		
5/3/2013	289978		
5/4/2013	547980		
5/5/2013	501151		
5/6/2013	259862		
5/7/2013	289771		
5/8/2013	350265		
5/9/2013	144747		
5/10/2013	358651		
5/11/2013	-241262		
5/12/2013	352397		
5/13/2013	-262071		


5/14/2013	168563
5/15/2013	484526
5/16/2013	78244
5/17/2013	-201953
5/18/2013	-56770
5/19/2013	413811
5/20/2013	39164
5/21/2013	310249
5/22/2013	84837
5/23/2013	51439
5/24/2013	180770
5/25/2013	-290005
5/26/2013	-478593
5/27/2013	-803
5/28/2013	-642669
5/29/2013	-632252
5/30/2013	-781082
5/31/2013	-649660
6/1/2013	221706
6/2/2013	438354
6/3/2013	251047
6/4/2013	588135
6/5/2013	537622
6/6/2013	310813
6/7/2013	522840
6/8/2013	-199676
6/9/2013	-266048
6/10/2013	310584
6/11/2013	522166
6/12/2013	-415179
6/13/2013	348610
6/14/2013	-95779
6/15/2013	68099
6/16/2013	-229187
6/17/2013	60525
6/18/2013	-68563
6/19/2013	189323
6/20/2013	344320
6/21/2013	281975
6/22/2013	253513
6/23/2013	-51836
6/24/2013	124087
6/25/2013	151151
6/26/2013	-113858
6/27/2013	-218710
6/28/2013	-466178
6/29/2013	-603683

6/30/2013	-571677
7/1/2013	-813217
7/2/2013	-275600
7/3/2013	399852
7/4/2013	315078
7/5/2013	456522
7/6/2013	562604
7/7/2013	409460
7/8/2013	-270330
7/9/2013	-494819
7/10/2013	26605
7/11/2013	23336
7/12/2013	317070
7/13/2013	317381
7/14/2013	324381
7/15/2013	-122846
7/16/2013	-31642
7/17/2013	-120706
7/18/2013	-192851
7/19/2013	36960
7/20/2013	-67774
7/21/2013	-194452
7/22/2013	-434943
7/23/2013	-63770
7/24/2013	-337499
7/25/2013	-9223
7/26/2013	83399
7/27/2013	421721
7/28/2013	468811
7/29/2013	495477
7/30/2013	164266
7/31/2013	185889
8/1/2013	315166
8/2/2013	292510
8/3/2013	340017
8/4/2013	406592
8/5/2013	124623
8/6/2013	154296
8/7/2013	369763
8/8/2013	51027
8/9/2013	60260
8/10/2013	324179
8/11/2013	272980
8/12/2013	-141390
8/13/2013	-30007
8/14/2013	37997
8/15/2013	-266771

8/16/2013	-83823
8/17/2013	143541
8/18/2013	-135951
8/19/2013	-488800
8/20/2013	-238593
8/21/2013	-406372
8/22/2013	-469248
8/23/2013	27285
8/24/2013	304561
8/25/2013	115369
8/26/2013	-232311
8/27/2013	-497954
8/28/2013	-699905
8/29/2013	-655266
8/30/2013	-736898
8/31/2013	-134583
9/1/2013	43213
9/2/2013	-145546
9/3/2013	-783421
9/4/2013	-856531
9/5/2013	-373186
9/6/2013	-81383
9/7/2013	52286
9/8/2013	237715
9/9/2013	29224
9/10/2013	525885
9/11/2013	-58693
9/12/2013	143762
9/13/2013	56239
9/14/2013	187846
9/15/2013	87553
9/16/2013	-106998
9/17/2013	-53296
9/18/2013	-140721
9/19/2013	-53428
9/20/2013	343432
9/21/2013	331379
9/22/2013	372511
9/23/2013	32604
9/24/2013	266222
9/25/2013	286368
9/26/2013	188329
9/27/2013	326152
9/28/2013	313995
9/29/2013	444010
9/30/2013	178477
10/1/2013	186142

10/2/2013	25950
10/3/2013	-11004
10/4/2013	227215
10/5/2013	465564
10/6/2013	457166
10/7/2013	-289942
10/8/2013	110441
10/9/2013	-89974
10/10/2013	-30100
10/11/2013	-482
10/12/2013	5494
10/13/2013	26290
10/14/2013	-501057
10/15/2013	-557360
10/16/2013	-647908
10/17/2013	-153705
10/18/2013	-81765
10/19/2013	-199802
10/20/2013	-181950
10/21/2013	-375914
10/22/2013	-403514
10/23/2013	-288503
10/24/2013	-13473
10/25/2013	-156309
10/26/2013	63557
10/27/2013	-275650
10/28/2013	-599458
10/29/2013	-186381
10/30/2013	-211328
10/31/2013	-190207
11/1/2013	129505
11/2/2013	-11765
11/3/2013	72557
11/4/2013	-182735
11/5/2013	-68758
11/6/2013	-138902
11/7/2013	255928
11/8/2013	99867
11/9/2013	17918
11/10/2013	-40470
11/11/2013	-183350
11/12/2013	94862
11/13/2013	343687
11/14/2013	97514
11/15/2013	221025
11/16/2013	245653
11/17/2013	-23822

11/18/2013	632196
11/19/2013	368876
11/20/2013	121444
11/21/2013	-385487
11/22/2013	-788588
11/23/2013	-397594
11/24/2013	-491420
11/25/2013	-987045
11/26/2013	803830
11/27/2013	496498
11/28/2013	266639
11/29/2013	-143897
11/30/2013	151770
12/1/2013	345942
12/2/2013	-171207
12/3/2013	282613
12/4/2013	-186472
12/5/2013	-632962
12/6/2013	-196811
12/7/2013	312325
12/8/2013	413552
12/9/2013	-28815
12/10/2013	171269
12/11/2013	128417
12/12/2013	518276
12/13/2013	134913
12/14/2013	322224
12/15/2013	854278
12/16/2013	406000
12/17/2013	-79005
12/18/2013	-584224
12/19/2013	530887
12/20/2013	172119
12/21/2013	43773
12/22/2013	-110502
12/23/2013	20498
12/24/2013	245454
12/25/2013	508019
12/26/2013	32501
12/27/2013	-32873
12/28/2013	345954
12/29/2013	115955
12/30/2013	-330657
12/31/2013	295098
1/1/2014	-98104
1/2/2014	-227168
1/3/2014	-118225

 = Standby Procurement Days
Withdrawals by balancing
Customers tended to cease

1/4/2014	-328952
1/5/2014	-527687
1/6/2014	-1046448
1/7/2014	-1161748
1/8/2014	331631
1/9/2014	-180435
1/10/2014	172304
1/11/2014	174824
1/12/2014	999324
1/13/2014	-84676
1/14/2014	-69734
1/15/2014	-142735
1/16/2014	-209830
1/17/2014	-271517
1/18/2014	213794
1/19/2014	69791
1/20/2014	-184211
1/21/2014	-303546
1/22/2014	-239439
1/23/2014	-607450
1/24/2014	844381
1/25/2014	170308
1/26/2014	673233
1/27/2014	74966
1/28/2014	245414
1/29/2014	-129817
1/30/2014	116473
1/31/2014	650810
2/1/2014	-940589
2/2/2014	373669
2/3/2014	-325750
2/4/2014	224629
2/5/2014	-85211
2/6/2014	385579
2/7/2014	585299
2/8/2014	729606
2/9/2014	438225
2/10/2014	280776
2/11/2014	-100830
2/12/2014	-121430
2/13/2014	-241972
2/14/2014	-102008
2/15/2014	-174830
2/16/2014	107872
2/17/2014	33664
2/18/2014	62265
2/19/2014	77975

2/20/2014	-272694
2/21/2014	-27335
2/22/2014	-158184
2/23/2014	-136516
2/24/2014	-232829
2/25/2014	148907
2/26/2014	206450
2/27/2014	306341
2/28/2014	199082
3/1/2014	159795
3/2/2014	103084
3/3/2014	52541
3/4/2014	-33039
3/5/2014	-174150
3/6/2014	174101
3/7/2014	271634
3/8/2014	25710
3/9/2014	319025
3/10/2014	235883
3/11/2014	131230
3/12/2014	-80312
3/13/2014	14139
3/14/2014	129028
3/15/2014	-132761
3/16/2014	230278
3/17/2014	210049
3/18/2014	76805
3/19/2014	95813
3/20/2014	-17142
3/21/2014	-227825
3/22/2014	162591
3/23/2014	-8658
3/24/2014	-235207
3/25/2014	146378
3/26/2014	80928
3/27/2014	26802
3/28/2014	-43241
3/29/2014	46139
3/30/2014	265046
3/31/2014	61809

Count 23

(Mar-13 to Apr-14)

Low OFO?

Gas Flow date	Actual Storage Wdr for Cust Balancing	352,935	43
4/1/2013	256056		
4/2/2013	234907		
4/3/2013	-61887		
4/4/2013	148269		
4/5/2013	240898		
4/6/2013	-3248		
4/7/2013	58327		
4/8/2013	-291017		
4/9/2013	-76507		
4/10/2013	-82289		
4/11/2013	-182766		
4/12/2013	270490		
4/13/2013	242820		
4/14/2013	-6133		
4/15/2013	-254002		
4/16/2013	-216763		
4/17/2013	-326873		
4/18/2013	-115171		
4/19/2013	-15203		
4/20/2013	256713		
4/21/2013	180713		
4/22/2013	-180992		
4/23/2013	-236231		
4/24/2013	-394552		
4/25/2013	-189373		
4/26/2013	36908		
4/27/2013	208611		
4/28/2013	202854		
4/29/2013	-133381		
4/30/2013	173412		
5/1/2013	-222247		
5/2/2013	-58038		
5/3/2013	289978		
5/4/2013	547980		
5/5/2013	501151		
5/6/2013	259862		
5/7/2013	289771		
5/8/2013	350265		
5/9/2013	144747		
5/10/2013	358651		
5/11/2013	-241262		
5/12/2013	352397		
5/13/2013	-262071		

5/14/2013	168563
5/15/2013	484526
5/16/2013	78244
5/17/2013	-201953
5/18/2013	-56770
5/19/2013	413811
5/20/2013	39164
5/21/2013	310249
5/22/2013	84837
5/23/2013	51439
5/24/2013	180770
5/25/2013	-290005
5/26/2013	-478593
5/27/2013	-803
5/28/2013	-642669
5/29/2013	-632252
5/30/2013	-781082
5/31/2013	-649660
6/1/2013	221706
6/2/2013	438354
6/3/2013	251047
6/4/2013	588135
6/5/2013	537622
6/6/2013	310813
6/7/2013	522840
6/8/2013	-199676
6/9/2013	-266048
6/10/2013	310584
6/11/2013	522166
6/12/2013	-415179
6/13/2013	348610
6/14/2013	-95779
6/15/2013	68099
6/16/2013	-229187
6/17/2013	60525
6/18/2013	-68563
6/19/2013	189323
6/20/2013	344320
6/21/2013	281975
6/22/2013	253513
6/23/2013	-51836
6/24/2013	124087
6/25/2013	151151
6/26/2013	-113858
6/27/2013	-218710
6/28/2013	-466178
6/29/2013	-603683

6/30/2013	-571677
7/1/2013	-813217
7/2/2013	-275600
7/3/2013	399852
7/4/2013	315078
7/5/2013	456522
7/6/2013	562604
7/7/2013	409460
7/8/2013	-270330
7/9/2013	-494819
7/10/2013	26605
7/11/2013	23336
7/12/2013	317070
7/13/2013	317381
7/14/2013	324381
7/15/2013	-122846
7/16/2013	-31642
7/17/2013	-120706
7/18/2013	-192851
7/19/2013	36960
7/20/2013	-67774
7/21/2013	-194452
7/22/2013	-434943
7/23/2013	-63770
7/24/2013	-337499
7/25/2013	-9223
7/26/2013	83399
7/27/2013	421721
7/28/2013	468811
7/29/2013	495477
7/30/2013	164266
7/31/2013	185889
8/1/2013	315166
8/2/2013	292510
8/3/2013	340017
8/4/2013	406592
8/5/2013	124623
8/6/2013	154296
8/7/2013	369763
8/8/2013	51027
8/9/2013	60260
8/10/2013	324179
8/11/2013	272980
8/12/2013	-141390
8/13/2013	-30007
8/14/2013	37997
8/15/2013	-266771

8/16/2013	-83823
8/17/2013	143541
8/18/2013	-135951
8/19/2013	-488800
8/20/2013	-238593
8/21/2013	-406372
8/22/2013	-469248
8/23/2013	27285
8/24/2013	304561
8/25/2013	115369
8/26/2013	-232311
8/27/2013	-497954
8/28/2013	-699905
8/29/2013	-655266
8/30/2013	-736898
8/31/2013	-134583
9/1/2013	43213
9/2/2013	-145546
9/3/2013	-783421
9/4/2013	-856531
9/5/2013	-373186
9/6/2013	-81383
9/7/2013	52286
9/8/2013	237715
9/9/2013	29224
9/10/2013	525885
9/11/2013	-58693
9/12/2013	143762
9/13/2013	56239
9/14/2013	187846
9/15/2013	87553
9/16/2013	-106998
9/17/2013	-53296
9/18/2013	-140721
9/19/2013	-53428
9/20/2013	343432
9/21/2013	331379
9/22/2013	372511
9/23/2013	32604
9/24/2013	266222
9/25/2013	286368
9/26/2013	188329
9/27/2013	326152
9/28/2013	313995
9/29/2013	444010
9/30/2013	178477
10/1/2013	186142

10/2/2013	25950
10/3/2013	-11004
10/4/2013	227215
10/5/2013	465564
10/6/2013	457166
10/7/2013	-289942
10/8/2013	110441
10/9/2013	-89974
10/10/2013	-30100
10/11/2013	-482
10/12/2013	5494
10/13/2013	26290
10/14/2013	-501057
10/15/2013	-557360
10/16/2013	-647908
10/17/2013	-153705
10/18/2013	-81765
10/19/2013	-199802
10/20/2013	-181950
10/21/2013	-375914
10/22/2013	-403514
10/23/2013	-288503
10/24/2013	-13473
10/25/2013	-156309
10/26/2013	63557
10/27/2013	-275650
10/28/2013	-599458
10/29/2013	-186381
10/30/2013	-211328
10/31/2013	-190207
11/1/2013	129505
11/2/2013	-11765
11/3/2013	72557
11/4/2013	-182735
11/5/2013	-68758
11/6/2013	-138902
11/7/2013	255928
11/8/2013	99867
11/9/2013	17918
11/10/2013	-40470
11/11/2013	-183350
11/12/2013	94862
11/13/2013	343687
11/14/2013	97514
11/15/2013	221025
11/16/2013	245653
11/17/2013	-23822

11/18/2013	632196
11/19/2013	368876
11/20/2013	121444
11/21/2013	-385487
11/22/2013	-788588
11/23/2013	-397594
11/24/2013	-491420
11/25/2013	-987045
11/26/2013	803830
11/27/2013	496498
11/28/2013	266639
11/29/2013	-143897
11/30/2013	151770
12/1/2013	345942
12/2/2013	-171207
12/3/2013	282613
12/4/2013	-186472
12/5/2013	-632962
12/6/2013	-196811
12/7/2013	312325
12/8/2013	413552
12/9/2013	-28815
12/10/2013	171269
12/11/2013	128417
12/12/2013	518276
12/13/2013	134913
12/14/2013	322224
12/15/2013	854278
12/16/2013	406000
12/17/2013	-79005
12/18/2013	-584224
12/19/2013	530887
12/20/2013	172119
12/21/2013	43773
12/22/2013	-110502
12/23/2013	20498
12/24/2013	245454
12/25/2013	508019
12/26/2013	32501
12/27/2013	-32873
12/28/2013	345954
12/29/2013	115955
12/30/2013	-330657
12/31/2013	295098
1/1/2014	-98104
1/2/2014	-227168
1/3/2014	-118225



= Standby Procurement Days
Withdrawals by balancing
Customers tended to cease

1/4/2014	-328952
1/5/2014	-527687
1/6/2014	-1046448
1/7/2014	-1161748
1/8/2014	331631
1/9/2014	-180435
1/10/2014	172304
1/11/2014	174824
1/12/2014	999324
1/13/2014	-84676
1/14/2014	-69734
1/15/2014	-142735
1/16/2014	-209830
1/17/2014	-271517
1/18/2014	213794
1/19/2014	69791
1/20/2014	-184211
1/21/2014	-303546
1/22/2014	-239439
1/23/2014	-607450
1/24/2014	844381
1/25/2014	170308
1/26/2014	673233
1/27/2014	74966
1/28/2014	245414
1/29/2014	-129817
1/30/2014	116473
1/31/2014	650810
2/1/2014	-940589
2/2/2014	373669
2/3/2014	-325750
2/4/2014	224629
2/5/2014	-85211
2/6/2014	385579
2/7/2014	585299
2/8/2014	729606
2/9/2014	438225
2/10/2014	280776
2/11/2014	-100830
2/12/2014	-121430
2/13/2014	-241972
2/14/2014	-102008
2/15/2014	-174830
2/16/2014	107872
2/17/2014	33664
2/18/2014	62265
2/19/2014	77975

2/20/2014	-272694
2/21/2014	-27335
2/22/2014	-158184
2/23/2014	-136516
2/24/2014	-232829
2/25/2014	148907
2/26/2014	206450
2/27/2014	306341
2/28/2014	199082
3/1/2014	159795
3/2/2014	103084
3/3/2014	52541
3/4/2014	-33039
3/5/2014	-174150
3/6/2014	174101
3/7/2014	271634
3/8/2014	25710
3/9/2014	319025
3/10/2014	235883
3/11/2014	131230
3/12/2014	-80312
3/13/2014	14139
3/14/2014	129028
3/15/2014	-132761
3/16/2014	230278
3/17/2014	210049
3/18/2014	76805
3/19/2014	95813
3/20/2014	-17142
3/21/2014	-227825
3/22/2014	162591
3/23/2014	-8658
3/24/2014	-235207
3/25/2014	146378
3/26/2014	80928
3/27/2014	26802
3/28/2014	-43241
3/29/2014	46139
3/30/2014	265046
3/31/2014	61809

Count 43

**SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY
2016 TCAP Phase 1**

12/18/2014

**Section 3
OFO Capacity Figures**

**Workpapers to the Prepared Direct Testimony of
Steve Watson**

Flow Date	Cyl	Gross Injection Capacity
4/1/2014	4	826000
4/2/2014	4	826000
4/3/2014	4	806000
4/4/2014	4	784000
4/5/2014	4	845000
4/6/2014	4	877000
4/7/2014	4	805000
4/8/2014	4	805000
4/9/2014	4	800000
4/10/2014	4	902000
4/11/2014	4	923000
4/12/2014	4	923000
4/13/2014	4	923000
4/14/2014	4	923000
4/15/2014	4	926000
4/16/2014	4	924000
4/17/2014	4	924000
4/18/2014	4	908000
4/19/2014	4	943000
4/20/2014	4	943000
4/21/2014	4	944000
4/22/2014	4	791000
4/23/2014	4	944000
4/24/2014	4	944000
4/25/2014	4	950630
4/26/2014	4	949000
4/27/2014	4	903000
4/28/2014	4	849000
4/29/2014	4	693000
4/30/2014	4	809000
5/1/2014	4	895735
5/2/2014	4	893000
5/3/2014	4	919000
5/4/2014	4	919000
5/5/2014	4	919000
5/6/2014	4	917000
5/7/2014	4	920000
5/8/2014	4	920000
5/9/2014	4	920000
5/10/2014	4	921000

5/11/2014	4	789000
5/12/2014	4	770000
5/13/2014	4	770000
5/14/2014	4	790000
5/15/2014	4	817000
5/16/2014	4	816000
5/17/2014	4	790000
5/18/2014	4	790000
5/19/2014	4	770000
5/20/2014	4	774000
5/21/2014	4	773000
5/22/2014	4	797525
5/23/2014	4	818000
5/24/2014	4	818000
5/25/2014	4	818000
5/26/2014	4	818000
5/27/2014	4	798000
5/28/2014	4	798000
5/29/2014	4	746000
5/30/2014	4	743000
5/31/2014	4	816000
6/1/2014	4	815000
6/2/2014	4	815000
6/3/2014	4	815000
6/4/2014	4	815000
6/5/2014	4	836000
6/6/2014	4	836000
6/7/2014	4	833000
6/8/2014	4	834000
6/9/2014	4	834000
6/10/2014	4	834000
6/11/2014	4	834000
6/12/2014	4	834000
6/13/2014	4	837000
6/14/2014	4	839000
6/15/2014	4	837000
6/16/2014	4	838000
6/17/2014	4	836000
6/18/2014	4	835000
6/19/2014	4	838000
6/20/2014	4	838000
6/21/2014	4	838000
6/22/2014	4	838000

6/23/2014	4	838000
6/24/2014	4	887050
6/25/2014	4	888000
6/26/2014	4	888000
6/27/2014	4	888000
6/28/2014	4	887000
6/29/2014	4	811000
6/30/2014	4	811000
7/1/2014	4	810000
7/2/2014	4	812000
7/3/2014	4	811000
7/4/2014	4	812000
7/5/2014	4	812000
7/6/2014	4	812000
7/7/2014	4	812000
7/8/2014	4	810000
7/9/2014	4	811000
7/10/2014	4	812000
7/11/2014	4	812000
7/12/2014	4	812000
7/13/2014	4	812000
7/14/2014	4	760950
7/15/2014	4	698000
7/16/2014	4	699000
7/17/2014	4	721000
7/18/2014	4	782000
7/19/2014	4	832000
7/20/2014	4	832000
7/21/2014	4	832000
7/22/2014	4	811260
7/23/2014	4	801000
7/24/2014	4	832000
7/25/2014	4	842000
7/26/2014	4	842000
7/27/2014	4	842000
7/28/2014	4	842000
7/29/2014	4	663000
7/30/2014	4	632000
7/31/2014	4	632000
8/1/2014	4	812000
8/2/2014	4	812000
8/3/2014	4	812000
8/4/2014	4	798000

8/5/2014	4	746000
8/6/2014	4	746000
8/7/2014	4	777000
8/8/2014	4	828000
8/9/2014	4	776950
8/10/2014	4	776000
8/11/2014	4	756000
8/12/2014	4	755000
8/13/2014	4	757000
8/14/2014	4	792000
8/15/2014	4	792000
8/16/2014	4	812000
8/17/2014	4	812000
8/18/2014	4	792000
8/19/2014	4	792000
8/20/2014	4	792000
8/21/2014	4	792000
8/22/2014	4	815000
8/23/2014	4	737000
8/24/2014	4	787000
8/25/2014	4	715000
8/26/2014	4	740000
8/27/2014	4	792000
8/28/2014	4	792000
8/29/2014	4	812420
8/30/2014	4	812000
8/31/2014	4	812000
9/1/2014	4	812000
9/2/2014	4	792000
9/3/2014	4	699000
9/4/2014	4	719420
9/5/2014	4	812000
9/6/2014	4	813000
9/7/2014	4	762000
9/8/2014	4	762000
9/9/2014	4	732000
9/10/2014	4	783000
9/11/2014	4	814000
9/12/2014	4	813000
9/13/2014	4	813000
9/14/2014	4	813000
9/15/2014	4	813000
9/16/2014	4	783000

9/17/2014	4	784000
9/18/2014	4	815000
9/19/2014	4	815000
9/20/2014	4	815000
9/21/2014	4	815000
9/22/2014	4	789000
9/23/2014	4	722000
9/24/2014	4	722000
9/25/2014	4	722000
9/26/2014	4	790475
9/27/2014	4	813630
9/28/2014	4	764000
9/29/2014	4	762000
9/30/2014	4	648000
10/1/2014	4	762000
10/2/2014	4	762000
10/3/2014	4	761950
10/4/2014	4	762000
10/5/2014	4	762000
10/6/2014	4	762000
10/7/2014	4	815000
10/8/2014	4	815000
10/9/2014	4	841000
10/10/2014	4	841000
10/11/2014	4	810000
10/12/2014	4	809000
10/13/2014	4	810000
10/14/2014	4	841000
10/15/2014	4	790000
10/16/2014	4	790000
10/17/2014	4	791000
10/18/2014	4	748000
10/19/2014	4	841000
10/20/2014	4	599000
10/21/2014	4	599000
10/22/2014	4	599000
10/23/2014	4	599000
10/24/2014	4	599000
10/25/2014	4	599000
10/26/2014	4	599000
10/27/2014	4	599000
10/28/2014	4	599000
10/29/2014	4	602000

10/30/2014	4	602000
10/31/2014	4	602000

Summer 2014 (Only)

			MMcfd
Average:	802,313	Dth/D	784
Stnd Dev :	76,281	Dth/D	75

Summer Days >770 MMcfd	152 days	787,710
Total :	214 days	770,000
	71%	

Season	Flow Date	Cyl	Name	Gross Capacity
Winter 10-11	11/1/2010	4	Injection Capacity	290000
Winter 10-11	11/2/2010	4	Injection Capacity	290000
Winter 10-11	11/3/2010	4	Injection Capacity	289000
Winter 10-11	11/4/2010	4	Injection Capacity	289000
Winter 10-11	11/5/2010	4	Injection Capacity	495000
Winter 10-11	11/6/2010	4	Injection Capacity	526000
Winter 10-11	11/7/2010	4	Injection Capacity	525000
Winter 10-11	11/8/2010	4	Injection Capacity	494000
Winter 10-11	11/9/2010	4	Injection Capacity	494000
Winter 10-11	11/10/2010	4	Injection Capacity	494000
Winter 10-11	11/11/2010	4	Injection Capacity	494000
Winter 10-11	11/12/2010	4	Injection Capacity	494000
Winter 10-11	11/13/2010	4	Injection Capacity	494000
Winter 10-11	11/14/2010	4	Injection Capacity	494000
Winter 10-11	11/15/2010	4	Injection Capacity	494000
Winter 10-11	11/16/2010	4	Injection Capacity	433000
Winter 10-11	11/17/2010	4	Injection Capacity	433000
Winter 10-11	11/18/2010	4	Injection Capacity	433000
Winter 10-11	11/19/2010	4	Injection Capacity	495000
Winter 10-11	11/20/2010	4	Injection Capacity	495000
Winter 10-11	11/21/2010	4	Injection Capacity	495000
Winter 10-11	11/22/2010	4	Injection Capacity	419000
Winter 10-11	11/23/2010	4	Injection Capacity	493000
Winter 10-11	11/24/2010	4	Injection Capacity	493000
Winter 10-11	11/25/2010	4	Injection Capacity	494000
Winter 10-11	11/26/2010	4	Injection Capacity	494000
Winter 10-11	11/27/2010	4	Injection Capacity	494000
Winter 10-11	11/28/2010	4	Injection Capacity	494000
Winter 10-11	11/29/2010	4	Injection Capacity	494000
Winter 10-11	11/30/2010	4	Injection Capacity	493000
Winter 10-11	12/1/2010	4	Injection Capacity	493000
Winter 10-11	12/2/2010	4	Injection Capacity	494000
Winter 10-11	12/3/2010	4	Injection Capacity	495000
Winter 10-11	12/4/2010	4	Injection Capacity	495000
Winter 10-11	12/5/2010	4	Injection Capacity	511000
Winter 10-11	12/6/2010	4	Injection Capacity	509000
Winter 10-11	12/7/2010	4	Injection Capacity	509000
Winter 10-11	12/8/2010	4	Injection Capacity	509000
Winter 10-11	12/9/2010	4	Injection Capacity	509000
Winter 10-11	12/10/2010	4	Injection Capacity	509000
Winter 10-11	12/11/2010	4	Injection Capacity	509000

Winter 10-11	12/12/2010	4	Injection Capacity	509000
Winter 10-11	12/13/2010	4	Injection Capacity	494000
Winter 10-11	12/14/2010	4	Injection Capacity	494000
Winter 10-11	12/15/2010	4	Injection Capacity	477000
Winter 10-11	12/16/2010	4	Injection Capacity	478000
Winter 10-11	12/17/2010	4	Injection Capacity	478000
Winter 10-11	12/18/2010	4	Injection Capacity	477000
Winter 10-11	12/19/2010	4	Injection Capacity	477000
Winter 10-11	12/20/2010	4	Injection Capacity	477000
Winter 10-11	12/21/2010	4	Injection Capacity	477000
Winter 10-11	12/22/2010	4	Injection Capacity	477000
Winter 10-11	12/23/2010	4	Injection Capacity	492000
Winter 10-11	12/24/2010	4	Injection Capacity	493000
Winter 10-11	12/25/2010	4	Injection Capacity	493000
Winter 10-11	12/26/2010	4	Injection Capacity	493000
Winter 10-11	12/27/2010	4	Injection Capacity	477000
Winter 10-11	12/28/2010	4	Injection Capacity	477000
Winter 10-11	12/29/2010	4	Injection Capacity	477000
Winter 10-11	12/30/2010	4	Injection Capacity	492000
Winter 10-11	12/31/2010	4	Injection Capacity	491000
Winter 10-11	1/1/2011	4	Injection Capacity	491000
Winter 10-11	1/2/2011	4	Injection Capacity	491000
Winter 10-11	1/3/2011	4	Injection Capacity	471000
Winter 10-11	1/4/2011	4	Injection Capacity	472000
Winter 10-11	1/5/2011	4	Injection Capacity	474000
Winter 10-11	1/6/2011	4	Injection Capacity	474000
Winter 10-11	1/7/2011	4	Injection Capacity	474000
Winter 10-11	1/8/2011	4	Injection Capacity	493000
Winter 10-11	1/9/2011	4	Injection Capacity	493000
Winter 10-11	1/10/2011	4	Injection Capacity	493000
Winter 10-11	1/11/2011	4	Injection Capacity	491000
Winter 10-11	1/12/2011	4	Injection Capacity	505000
Winter 10-11	1/13/2011	4	Injection Capacity	506000
Winter 10-11	1/14/2011	4	Injection Capacity	506000
Winter 10-11	1/15/2011	4	Injection Capacity	506000
Winter 10-11	1/16/2011	4	Injection Capacity	508000
Winter 10-11	1/17/2011	4	Injection Capacity	508000
Winter 10-11	1/18/2011	4	Injection Capacity	508000
Winter 10-11	1/19/2011	4	Injection Capacity	482000
Winter 10-11	1/20/2011	4	Injection Capacity	482000
Winter 10-11	1/21/2011	4	Injection Capacity	482000
Winter 10-11	1/22/2011	4	Injection Capacity	481000
Winter 10-11	1/23/2011	4	Injection Capacity	481000

Winter 10-11	1/24/2011	4	Injection Capacity	436000
Winter 10-11	1/25/2011	4	Injection Capacity	435000
Winter 10-11	1/26/2011	4	Injection Capacity	436000
Winter 10-11	1/27/2011	4	Injection Capacity	436000
Winter 10-11	1/28/2011	4	Injection Capacity	460000
Winter 10-11	1/29/2011	4	Injection Capacity	460000
Winter 10-11	1/30/2011	4	Injection Capacity	460000
Winter 10-11	1/31/2011	4	Injection Capacity	460000
Winter 10-11	2/1/2011	4	Injection Capacity	460000
Winter 10-11	2/2/2011	4	Injection Capacity	460000
Winter 10-11	2/3/2011	4	Injection Capacity	463000
Winter 10-11	2/4/2011	4	Injection Capacity	460000
Winter 10-11	2/5/2011	4	Injection Capacity	460000
Winter 10-11	2/6/2011	4	Injection Capacity	460000
Winter 10-11	2/7/2011	4	Injection Capacity	435000
Winter 10-11	2/8/2011	4	Injection Capacity	435000
Winter 10-11	2/9/2011	4	Injection Capacity	374000
Winter 10-11	2/10/2011	4	Injection Capacity	417000
Winter 10-11	2/11/2011	4	Injection Capacity	416000
Winter 10-11	2/12/2011	4	Injection Capacity	416000
Winter 10-11	2/13/2011	4	Injection Capacity	416000
Winter 10-11	2/14/2011	4	Injection Capacity	416000
Winter 10-11	2/15/2011	4	Injection Capacity	416000
Winter 10-11	2/16/2011	4	Injection Capacity	416000
Winter 10-11	2/17/2011	4	Injection Capacity	416000
Winter 10-11	2/18/2011	4	Injection Capacity	416000
Winter 10-11	2/19/2011	4	Injection Capacity	441000
Winter 10-11	2/20/2011	4	Injection Capacity	441000
Winter 10-11	2/21/2011	4	Injection Capacity	441000
Winter 10-11	2/22/2011	4	Injection Capacity	441000
Winter 10-11	2/23/2011	4	Injection Capacity	436000
Winter 10-11	2/24/2011	4	Injection Capacity	436000
Winter 10-11	2/25/2011	4	Injection Capacity	436000
Winter 10-11	2/26/2011	4	Injection Capacity	436000
Winter 10-11	2/27/2011	4	Injection Capacity	436000
Winter 10-11	2/28/2011	4	Injection Capacity	461000
Winter 10-11	3/1/2011	4	Injection Capacity	462000
Winter 10-11	3/2/2011	4	Injection Capacity	461000
Winter 10-11	3/3/2011	4	Injection Capacity	461000
Winter 10-11	3/4/2011	4	Injection Capacity	461000
Winter 10-11	3/5/2011	4	Injection Capacity	400000
Winter 10-11	3/6/2011	4	Injection Capacity	400000
Winter 10-11	3/7/2011	4	Injection Capacity	400000

Winter 10-11	3/8/2011	4	Injection Capacity	400000
Winter 10-11	3/9/2011	4	Injection Capacity	400000
Winter 10-11	3/10/2011	4	Injection Capacity	400000
Winter 10-11	3/11/2011	4	Injection Capacity	400000
Winter 10-11	3/12/2011	4	Injection Capacity	400000
Winter 10-11	3/13/2011	4	Injection Capacity	400000
Winter 10-11	3/14/2011	4	Injection Capacity	552000
Winter 10-11	3/15/2011	4	Injection Capacity	552000
Winter 10-11	3/16/2011	4	Injection Capacity	553000
Winter 10-11	3/17/2011	4	Injection Capacity	553000
Winter 10-11	3/18/2011	4	Injection Capacity	553000
Winter 10-11	3/19/2011	4	Injection Capacity	552000
Winter 10-11	3/20/2011	4	Injection Capacity	552000
Winter 10-11	3/21/2011	4	Injection Capacity	527000
Winter 10-11	3/22/2011	4	Injection Capacity	527000
Winter 10-11	3/23/2011	4	Injection Capacity	527000
Winter 10-11	3/24/2011	4	Injection Capacity	527000
Winter 10-11	3/25/2011	4	Injection Capacity	527000
Winter 10-11	3/26/2011	4	Injection Capacity	553000
Winter 10-11	3/27/2011	4	Injection Capacity	553000
Winter 10-11	3/28/2011	4	Injection Capacity	527000
Winter 10-11	3/29/2011	4	Injection Capacity	527000
Winter 10-11	3/30/2011	4	Injection Capacity	527000
Winter 10-11	3/31/2011	4	Injection Capacity	553000
Winter 11-12	11/1/2011	4	Injection Capacity	688000
Winter 11-12	11/2/2011	4	Injection Capacity	688000
Winter 11-12	11/3/2011	4	Injection Capacity	688000
Winter 11-12	11/4/2011	4	Injection Capacity	688000
Winter 11-12	11/5/2011	4	Injection Capacity	688000
Winter 11-12	11/6/2011	4	Injection Capacity	688000
Winter 11-12	11/7/2011	4	Injection Capacity	384000
Winter 11-12	11/8/2011	4	Injection Capacity	386000
Winter 11-12	11/9/2011	4	Injection Capacity	386000
Winter 11-12	11/10/2011	4	Injection Capacity	509000
Winter 11-12	11/11/2011	4	Injection Capacity	544000
Winter 11-12	11/12/2011	4	Injection Capacity	544000
Winter 11-12	11/13/2011	4	Injection Capacity	543000
Winter 11-12	11/14/2011	4	Injection Capacity	528000
Winter 11-12	11/15/2011	4	Injection Capacity	426000
Winter 11-12	11/16/2011	4	Injection Capacity	426000
Winter 11-12	11/17/2011	4	Injection Capacity	426000
Winter 11-12	11/18/2011	4	Injection Capacity	426000
Winter 11-12	11/19/2011	4	Injection Capacity	426000

Winter 11-12	11/20/2011	4	Injection Capacity	426000
Winter 11-12	11/21/2011	4	Injection Capacity	503000
Winter 11-12	11/22/2011	4	Injection Capacity	472000
Winter 11-12	11/23/2011	4	Injection Capacity	471000
Winter 11-12	11/24/2011	4	Injection Capacity	472000
Winter 11-12	11/25/2011	4	Injection Capacity	472000
Winter 11-12	11/26/2011	4	Injection Capacity	472000
Winter 11-12	11/27/2011	4	Injection Capacity	472000
Winter 11-12	11/28/2011	4	Injection Capacity	406000
Winter 11-12	11/29/2011	4	Injection Capacity	406000
Winter 11-12	11/30/2011	4	Injection Capacity	406000
Winter 11-12	12/1/2011	4	Injection Capacity	406000
Winter 11-12	12/2/2011	4	Injection Capacity	437000
Winter 11-12	12/3/2011	4	Injection Capacity	437000
Winter 11-12	12/4/2011	4	Injection Capacity	437000
Winter 11-12	12/5/2011	4	Injection Capacity	436000
Winter 11-12	12/6/2011	4	Injection Capacity	411000
Winter 11-12	12/7/2011	4	Injection Capacity	436000
Winter 11-12	12/8/2011	4	Injection Capacity	436000
Winter 11-12	12/9/2011	4	Injection Capacity	436000
Winter 11-12	12/10/2011	4	Injection Capacity	411000
Winter 11-12	12/11/2011	4	Injection Capacity	411000
Winter 11-12	12/12/2011	4	Injection Capacity	411000
Winter 11-12	12/13/2011	4	Injection Capacity	410000
Winter 11-12	12/14/2011	4	Injection Capacity	410000
Winter 11-12	12/15/2011	4	Injection Capacity	435000
Winter 11-12	12/16/2011	4	Injection Capacity	435000
Winter 11-12	12/17/2011	4	Injection Capacity	410000
Winter 11-12	12/18/2011	4	Injection Capacity	410000
Winter 11-12	12/19/2011	4	Injection Capacity	410000
Winter 11-12	12/20/2011	4	Injection Capacity	435000
Winter 11-12	12/21/2011	4	Injection Capacity	435000
Winter 11-12	12/22/2011	4	Injection Capacity	435000
Winter 11-12	12/23/2011	4	Injection Capacity	435000
Winter 11-12	12/24/2011	4	Injection Capacity	435000
Winter 11-12	12/25/2011	4	Injection Capacity	436000
Winter 11-12	12/26/2011	4	Injection Capacity	374000
Winter 11-12	12/27/2011	4	Injection Capacity	379000
Winter 11-12	12/28/2011	4	Injection Capacity	415000
Winter 11-12	12/29/2011	4	Injection Capacity	415000
Winter 11-12	12/30/2011	4	Injection Capacity	415000
Winter 11-12	12/31/2011	4	Injection Capacity	415000
Winter 11-12	1/1/2012	4	Injection Capacity	415000

Winter 11-12	1/2/2012	4	Injection Capacity	415000
Winter 11-12	1/3/2012	4	Injection Capacity	379000
Winter 11-12	1/4/2012	4	Injection Capacity	379000
Winter 11-12	1/5/2012	4	Injection Capacity	379000
Winter 11-12	1/6/2012	4	Injection Capacity	303000
Winter 11-12	1/7/2012	4	Injection Capacity	304000
Winter 11-12	1/8/2012	4	Injection Capacity	304000
Winter 11-12	1/9/2012	4	Injection Capacity	359000
Winter 11-12	1/10/2012	4	Injection Capacity	359000
Winter 11-12	1/11/2012	4	Injection Capacity	359000
Winter 11-12	1/12/2012	4	Injection Capacity	359000
Winter 11-12	1/13/2012	4	Injection Capacity	359000
Winter 11-12	1/14/2012	4	Injection Capacity	380000
Winter 11-12	1/15/2012	4	Injection Capacity	380000
Winter 11-12	1/16/2012	4	Injection Capacity	380000
Winter 11-12	1/17/2012	4	Injection Capacity	380000
Winter 11-12	1/18/2012	4	Injection Capacity	446000
Winter 11-12	1/19/2012	4	Injection Capacity	446000
Winter 11-12	1/20/2012	4	Injection Capacity	446000
Winter 11-12	1/21/2012	4	Injection Capacity	446000
Winter 11-12	1/22/2012	4	Injection Capacity	426000
Winter 11-12	1/23/2012	4	Injection Capacity	425000
Winter 11-12	1/24/2012	4	Injection Capacity	425000
Winter 11-12	1/25/2012	4	Injection Capacity	425000
Winter 11-12	1/26/2012	4	Injection Capacity	425000
Winter 11-12	1/27/2012	4	Injection Capacity	426000
Winter 11-12	1/28/2012	4	Injection Capacity	426000
Winter 11-12	1/29/2012	4	Injection Capacity	425000
Winter 11-12	1/30/2012	4	Injection Capacity	374000
Winter 11-12	1/31/2012	4	Injection Capacity	374000
Winter 11-12	2/1/2012	4	Injection Capacity	425000
Winter 11-12	2/2/2012	4	Injection Capacity	425000
Winter 11-12	2/3/2012	4	Injection Capacity	445000
Winter 11-12	2/4/2012	4	Injection Capacity	445000
Winter 11-12	2/5/2012	4	Injection Capacity	445000
Winter 11-12	2/6/2012	4	Injection Capacity	425000
Winter 11-12	2/7/2012	4	Injection Capacity	425000
Winter 11-12	2/8/2012	4	Injection Capacity	425000
Winter 11-12	2/9/2012	4	Injection Capacity	359000
Winter 11-12	2/10/2012	4	Injection Capacity	425000
Winter 11-12	2/11/2012	4	Injection Capacity	375000
Winter 11-12	2/12/2012	4	Injection Capacity	425000
Winter 11-12	2/13/2012	4	Injection Capacity	425000

Winter 11-12	2/14/2012	4	Injection Capacity	425000
Winter 11-12	2/15/2012	4	Injection Capacity	445000
Winter 11-12	2/16/2012	4	Injection Capacity	445000
Winter 11-12	2/17/2012	4	Injection Capacity	395000
Winter 11-12	2/18/2012	4	Injection Capacity	445000
Winter 11-12	2/19/2012	4	Injection Capacity	445000
Winter 11-12	2/20/2012	4	Injection Capacity	445000
Winter 11-12	2/21/2012	4	Injection Capacity	446000
Winter 11-12	2/22/2012	4	Injection Capacity	345000
Winter 11-12	2/23/2012	4	Injection Capacity	445000
Winter 11-12	2/24/2012	4	Injection Capacity	445000
Winter 11-12	2/25/2012	4	Injection Capacity	446000
Winter 11-12	2/26/2012	4	Injection Capacity	445000
Winter 11-12	2/27/2012	4	Injection Capacity	365000
Winter 11-12	2/28/2012	4	Injection Capacity	395000
Winter 11-12	2/29/2012	4	Injection Capacity	405000
Winter 11-12	3/1/2012	4	Injection Capacity	385000
Winter 11-12	3/2/2012	4	Injection Capacity	385000
Winter 11-12	3/3/2012	4	Injection Capacity	487000
Winter 11-12	3/4/2012	4	Injection Capacity	487000
Winter 11-12	3/5/2012	4	Injection Capacity	456000
Winter 11-12	3/6/2012	4	Injection Capacity	405000
Winter 11-12	3/7/2012	4	Injection Capacity	458000
Winter 11-12	3/8/2012	4	Injection Capacity	458000
Winter 11-12	3/9/2012	4	Injection Capacity	407000
Winter 11-12	3/10/2012	4	Injection Capacity	407000
Winter 11-12	3/11/2012	4	Injection Capacity	407000
Winter 11-12	3/12/2012	4	Injection Capacity	407000
Winter 11-12	3/13/2012	4	Injection Capacity	422000
Winter 11-12	3/14/2012	4	Injection Capacity	370000
Winter 11-12	3/15/2012	4	Injection Capacity	405000
Winter 11-12	3/16/2012	4	Injection Capacity	329000
Winter 11-12	3/17/2012	4	Injection Capacity	329000
Winter 11-12	3/18/2012	4	Injection Capacity	329000
Winter 11-12	3/19/2012	4	Injection Capacity	405000
Winter 11-12	3/20/2012	4	Injection Capacity	502000
Winter 11-12	3/21/2012	4	Injection Capacity	456000
Winter 11-12	3/22/2012	4	Injection Capacity	456000
Winter 11-12	3/23/2012	4	Injection Capacity	436000
Winter 11-12	3/24/2012	4	Injection Capacity	456000
Winter 11-12	3/25/2012	4	Injection Capacity	456000
Winter 11-12	3/26/2012	4	Injection Capacity	354000
Winter 11-12	3/27/2012	4	Injection Capacity	354000

Winter 11-12	3/28/2012	4	Injection Capacity	354000
Winter 11-12	3/29/2012	4	Injection Capacity	456000
Winter 11-12	3/30/2012	4	Injection Capacity	456000
Winter 11-12	3/31/2012	4	Injection Capacity	777000
Winter 12-13	11/1/2012	4	Injection Capacity	330000
Winter 12-13	11/2/2012	4	Injection Capacity	330000
Winter 12-13	11/3/2012	4	Injection Capacity	300000
Winter 12-13	11/4/2012	4	Injection Capacity	300000
Winter 12-13	11/5/2012	4	Injection Capacity	300000
Winter 12-13	11/6/2012	4	Injection Capacity	249000
Winter 12-13	11/7/2012	4	Injection Capacity	238000
Winter 12-13	11/8/2012	4	Injection Capacity	284000
Winter 12-13	11/9/2012	4	Injection Capacity	96000
Winter 12-13	11/10/2012	4	Injection Capacity	96000
Winter 12-13	11/11/2012	4	Injection Capacity	96000
Winter 12-13	11/12/2012	4	Injection Capacity	284000
Winter 12-13	11/13/2012	4	Injection Capacity	285000
Winter 12-13	11/14/2012	4	Injection Capacity	285000
Winter 12-13	11/15/2012	4	Injection Capacity	285000
Winter 12-13	11/16/2012	4	Injection Capacity	285000
Winter 12-13	11/17/2012	4	Injection Capacity	285000
Winter 12-13	11/18/2012	4	Injection Capacity	285000
Winter 12-13	11/19/2012	4	Injection Capacity	285000
Winter 12-13	11/20/2012	4	Injection Capacity	285000
Winter 12-13	11/21/2012	4	Injection Capacity	285000
Winter 12-13	11/22/2012	4	Injection Capacity	362000
Winter 12-13	11/23/2012	4	Injection Capacity	362000
Winter 12-13	11/24/2012	4	Injection Capacity	361000
Winter 12-13	11/25/2012	4	Injection Capacity	315000
Winter 12-13	11/26/2012	4	Injection Capacity	412000
Winter 12-13	11/27/2012	4	Injection Capacity	412000
Winter 12-13	11/28/2012	4	Injection Capacity	412000
Winter 12-13	11/29/2012	4	Injection Capacity	413000
Winter 12-13	11/30/2012	4	Injection Capacity	413000
Winter 12-13	12/1/2012	4	Injection Capacity	316000
Winter 12-13	12/2/2012	4	Injection Capacity	316000
Winter 12-13	12/3/2012	4	Injection Capacity	315000
Winter 12-13	12/4/2012	4	Injection Capacity	335000
Winter 12-13	12/5/2012	4	Injection Capacity	335000
Winter 12-13	12/6/2012	4	Injection Capacity	274000
Winter 12-13	12/7/2012	4	Injection Capacity	71000
Winter 12-13	12/8/2012	4	Injection Capacity	71000
Winter 12-13	12/9/2012	4	Injection Capacity	71000

Winter 12-13	12/10/2012	4	Injection Capacity	443685
Winter 12-13	12/11/2012	4	Injection Capacity	446000
Winter 12-13	12/12/2012	4	Injection Capacity	445000
Winter 12-13	12/13/2012	4	Injection Capacity	445000
Winter 12-13	12/14/2012	4	Injection Capacity	445000
Winter 12-13	12/15/2012	4	Injection Capacity	445000
Winter 12-13	12/16/2012	4	Injection Capacity	445000
Winter 12-13	12/17/2012	4	Injection Capacity	445000
Winter 12-13	12/18/2012	4	Injection Capacity	446000
Winter 12-13	12/19/2012	4	Injection Capacity	445000
Winter 12-13	12/20/2012	4	Injection Capacity	447000
Winter 12-13	12/21/2012	4	Injection Capacity	446000
Winter 12-13	12/22/2012	4	Injection Capacity	446000
Winter 12-13	12/23/2012	4	Injection Capacity	447000
Winter 12-13	12/24/2012	4	Injection Capacity	447000
Winter 12-13	12/25/2012	4	Injection Capacity	446000
Winter 12-13	12/26/2012	4	Injection Capacity	446000
Winter 12-13	12/27/2012	4	Injection Capacity	445000
Winter 12-13	12/28/2012	4	Injection Capacity	444000
Winter 12-13	12/29/2012	4	Injection Capacity	444000
Winter 12-13	12/30/2012	4	Injection Capacity	444000
Winter 12-13	12/31/2012	4	Injection Capacity	459000
Winter 12-13	1/1/2013	4	Injection Capacity	459000
Winter 12-13	1/2/2013	4	Injection Capacity	461000
Winter 12-13	1/3/2013	4	Injection Capacity	466000
Winter 12-13	1/4/2013	4	Injection Capacity	466000
Winter 12-13	1/5/2013	4	Injection Capacity	466000
Winter 12-13	1/6/2013	4	Injection Capacity	464000
Winter 12-13	1/7/2013	4	Injection Capacity	388000
Winter 12-13	1/8/2013	4	Injection Capacity	415000
Winter 12-13	1/9/2013	4	Injection Capacity	415000
Winter 12-13	1/10/2013	4	Injection Capacity	415000
Winter 12-13	1/11/2013	4	Injection Capacity	413500
Winter 12-13	1/12/2013	4	Injection Capacity	311000
Winter 12-13	1/13/2013	4	Injection Capacity	311000
Winter 12-13	1/14/2013	4	Injection Capacity	313000
Winter 12-13	1/15/2013	4	Injection Capacity	312000
Winter 12-13	1/16/2013	4	Injection Capacity	312000
Winter 12-13	1/17/2013	4	Injection Capacity	394000
Winter 12-13	1/18/2013	4	Injection Capacity	394000
Winter 12-13	1/19/2013	4	Injection Capacity	392000
Winter 12-13	1/20/2013	4	Injection Capacity	393000
Winter 12-13	1/21/2013	4	Injection Capacity	394000

Winter 12-13	1/22/2013	4	Injection Capacity	394000
Winter 12-13	1/23/2013	4	Injection Capacity	409000
Winter 12-13	1/24/2013	4	Injection Capacity	409000
Winter 12-13	1/25/2013	4	Injection Capacity	410000
Winter 12-13	1/26/2013	4	Injection Capacity	410000
Winter 12-13	1/27/2013	4	Injection Capacity	410000
Winter 12-13	1/28/2013	4	Injection Capacity	409000
Winter 12-13	1/29/2013	4	Injection Capacity	328000
Winter 12-13	1/30/2013	4	Injection Capacity	329000
Winter 12-13	1/31/2013	4	Injection Capacity	329000
Winter 12-13	2/1/2013	4	Injection Capacity	391000
Winter 12-13	2/2/2013	4	Injection Capacity	359000
Winter 12-13	2/3/2013	4	Injection Capacity	359000
Winter 12-13	2/4/2013	4	Injection Capacity	256000
Winter 12-13	2/5/2013	4	Injection Capacity	306000
Winter 12-13	2/6/2013	4	Injection Capacity	359000
Winter 12-13	2/7/2013	4	Injection Capacity	359000
Winter 12-13	2/8/2013	4	Injection Capacity	359000
Winter 12-13	2/9/2013	4	Injection Capacity	359000
Winter 12-13	2/10/2013	4	Injection Capacity	359000
Winter 12-13	2/11/2013	4	Injection Capacity	344000
Winter 12-13	2/12/2013	4	Injection Capacity	344000
Winter 12-13	2/13/2013	4	Injection Capacity	344000
Winter 12-13	2/14/2013	4	Injection Capacity	344000
Winter 12-13	2/15/2013	4	Injection Capacity	344000
Winter 12-13	2/16/2013	4	Injection Capacity	374000
Winter 12-13	2/17/2013	4	Injection Capacity	373000
Winter 12-13	2/18/2013	4	Injection Capacity	373000
Winter 12-13	2/19/2013	4	Injection Capacity	322000
Winter 12-13	2/20/2013	4	Injection Capacity	373000
Winter 12-13	2/21/2013	4	Injection Capacity	373000
Winter 12-13	2/22/2013	4	Injection Capacity	373000
Winter 12-13	2/23/2013	4	Injection Capacity	374000
Winter 12-13	2/24/2013	4	Injection Capacity	374000
Winter 12-13	2/25/2013	4	Injection Capacity	307000
Winter 12-13	2/26/2013	4	Injection Capacity	307000
Winter 12-13	2/27/2013	4	Injection Capacity	307000
Winter 12-13	2/28/2013	4	Injection Capacity	307000
Winter 12-13	3/1/2013	4	Injection Capacity	215000
Winter 12-13	3/2/2013	4	Injection Capacity	214000
Winter 12-13	3/3/2013	4	Injection Capacity	255000
Winter 12-13	3/4/2013	4	Injection Capacity	306000
Winter 12-13	3/5/2013	4	Injection Capacity	307000

Winter 12-13	3/6/2013	4	Injection Capacity	245000
Winter 12-13	3/7/2013	4	Injection Capacity	308000
Winter 12-13	3/8/2013	4	Injection Capacity	307000
Winter 12-13	3/9/2013	4	Injection Capacity	338000
Winter 12-13	3/10/2013	4	Injection Capacity	338000
Winter 12-13	3/11/2013	4	Injection Capacity	277000
Winter 12-13	3/12/2013	4	Injection Capacity	246000
Winter 12-13	3/13/2013	4	Injection Capacity	246000
Winter 12-13	3/14/2013	4	Injection Capacity	245000
Winter 12-13	3/15/2013	4	Injection Capacity	245000
Winter 12-13	3/16/2013	4	Injection Capacity	306000
Winter 12-13	3/17/2013	4	Injection Capacity	307000
Winter 12-13	3/18/2013	4	Injection Capacity	245000
Winter 12-13	3/19/2013	4	Injection Capacity	153000
Winter 12-13	3/20/2013	4	Injection Capacity	245000
Winter 12-13	3/21/2013	4	Injection Capacity	245000
Winter 12-13	3/22/2013	4	Injection Capacity	246000
Winter 12-13	3/23/2013	4	Injection Capacity	246000
Winter 12-13	3/24/2013	4	Injection Capacity	246000
Winter 12-13	3/25/2013	4	Injection Capacity	133000
Winter 12-13	3/26/2013	4	Injection Capacity	246000
Winter 12-13	3/27/2013	4	Injection Capacity	246000
Winter 12-13	3/28/2013	4	Injection Capacity	246000
Winter 12-13	3/29/2013	4	Injection Capacity	393995
Winter 12-13	3/30/2013	4	Injection Capacity	368580
Winter 12-13	3/31/2013	4	Injection Capacity	369000
Winter 12-13	11/1/2013	4	Injection Capacity	260000
Winter 12-13	11/2/2013	4	Injection Capacity	261000
Winter 13-14	11/3/2013	4	Injection Capacity	209000
Winter 13-14	11/4/2013	4	Injection Capacity	210000
Winter 13-14	11/5/2013	4	Injection Capacity	261000
Winter 13-14	11/6/2013	4	Injection Capacity	261000
Winter 13-14	11/7/2013	4	Injection Capacity	261000
Winter 13-14	11/8/2013	4	Injection Capacity	261000
Winter 13-14	11/9/2013	4	Injection Capacity	261000
Winter 13-14	11/10/2013	4	Injection Capacity	261000
Winter 13-14	11/11/2013	4	Injection Capacity	261000
Winter 13-14	11/12/2013	4	Injection Capacity	261000
Winter 13-14	11/13/2013	4	Injection Capacity	261000
Winter 13-14	11/14/2013	4	Injection Capacity	210000
Winter 13-14	11/15/2013	4	Injection Capacity	338000
Winter 13-14	11/16/2013	4	Injection Capacity	398000
Winter 13-14	11/17/2013	4	Injection Capacity	371000

Winter 13-14	11/18/2013	4	Injection Capacity	373000
Winter 13-14	11/19/2013	4	Injection Capacity	373000
Winter 13-14	11/20/2013	4	Injection Capacity	372000
Winter 13-14	11/21/2013	4	Injection Capacity	398000
Winter 13-14	11/22/2013	4	Injection Capacity	420000
Winter 13-14	11/23/2013	4	Injection Capacity	420000
Winter 13-14	11/24/2013	4	Injection Capacity	420000
Winter 13-14	11/25/2013	4	Injection Capacity	368000
Winter 13-14	11/26/2013	4	Injection Capacity	368000
Winter 13-14	11/27/2013	4	Injection Capacity	368000
Winter 13-14	11/28/2013	4	Injection Capacity	367000
Winter 13-14	11/29/2013	4	Injection Capacity	367000
Winter 13-14	11/30/2013	4	Injection Capacity	347000
Winter 13-14	12/1/2013	4	Injection Capacity	347000
Winter 13-14	12/2/2013	4	Injection Capacity	316000
Winter 13-14	12/3/2013	4	Injection Capacity	362000
Winter 13-14	12/4/2013	4	Injection Capacity	362000
Winter 13-14	12/5/2013	4	Injection Capacity	362000
Winter 13-14	12/6/2013	4	Injection Capacity	363000
Winter 13-14	12/7/2013	4	Injection Capacity	363000
Winter 13-14	12/8/2013	4	Injection Capacity	362000
Winter 13-14	12/9/2013	4	Injection Capacity	363000
Winter 13-14	12/10/2013	4	Injection Capacity	365000
Winter 13-14	12/11/2013	4	Injection Capacity	364000
Winter 13-14	12/12/2013	4	Injection Capacity	364000
Winter 13-14	12/13/2013	4	Injection Capacity	364000
Winter 13-14	12/14/2013	4	Injection Capacity	364000
Winter 13-14	12/15/2013	4	Injection Capacity	364000
Winter 13-14	12/16/2013	4	Injection Capacity	344000
Winter 13-14	12/17/2013	4	Injection Capacity	328000
Winter 13-14	12/18/2013	4	Injection Capacity	328000
Winter 13-14	12/19/2013	4	Injection Capacity	328000
Winter 13-14	12/20/2013	4	Injection Capacity	327000
Winter 13-14	12/21/2013	4	Injection Capacity	363000
Winter 13-14	12/22/2013	4	Injection Capacity	363000
Winter 13-14	12/23/2013	4	Injection Capacity	363000
Winter 13-14	12/24/2013	4	Injection Capacity	362000
Winter 13-14	12/25/2013	4	Injection Capacity	362000
Winter 13-14	12/26/2013	4	Injection Capacity	363000
Winter 13-14	12/27/2013	4	Injection Capacity	363000
Winter 13-14	12/28/2013	4	Injection Capacity	363000
Winter 13-14	12/29/2013	4	Injection Capacity	363000
Winter 13-14	12/30/2013	4	Injection Capacity	363000

Winter 13-14	12/31/2013	4	Injection Capacity	363000
Winter 13-14	1/1/2014	4	Injection Capacity	363000
Winter 13-14	1/2/2014	4	Injection Capacity	363000
Winter 13-14	1/3/2014	4	Injection Capacity	363000
Winter 13-14	1/4/2014	4	Injection Capacity	364000
Winter 13-14	1/5/2014	4	Injection Capacity	363000
Winter 13-14	1/6/2014	4	Injection Capacity	333000
Winter 13-14	1/7/2014	4	Injection Capacity	256000
Winter 13-14	1/8/2014	4	Injection Capacity	363000
Winter 13-14	1/9/2014	4	Injection Capacity	363000
Winter 13-14	1/10/2014	4	Injection Capacity	363000
Winter 13-14	1/11/2014	4	Injection Capacity	364000
Winter 13-14	1/12/2014	4	Injection Capacity	364000
Winter 13-14	1/13/2014	4	Injection Capacity	364000
Winter 13-14	1/14/2014	4	Injection Capacity	364000
Winter 13-14	1/15/2014	4	Injection Capacity	364000
Winter 13-14	1/16/2014	4	Injection Capacity	364000
Winter 13-14	1/17/2014	4	Injection Capacity	364000
Winter 13-14	1/18/2014	4	Injection Capacity	364000
Winter 13-14	1/19/2014	4	Injection Capacity	364000
Winter 13-14	1/20/2014	4	Injection Capacity	364000
Winter 13-14	1/21/2014	4	Injection Capacity	364000
Winter 13-14	1/22/2014	4	Injection Capacity	364000
Winter 13-14	1/23/2014	4	Injection Capacity	364000
Winter 13-14	1/24/2014	4	Injection Capacity	364000
Winter 13-14	1/25/2014	4	Injection Capacity	363000
Winter 13-14	1/26/2014	4	Injection Capacity	362000
Winter 13-14	1/27/2014	4	Injection Capacity	362000
Winter 13-14	1/28/2014	4	Injection Capacity	362000
Winter 13-14	1/29/2014	4	Injection Capacity	362000
Winter 13-14	1/30/2014	4	Injection Capacity	362000
Winter 13-14	1/31/2014	4	Injection Capacity	362000
Winter 13-14	2/1/2014	4	Injection Capacity	362000
Winter 13-14	2/2/2014	4	Injection Capacity	362000
Winter 13-14	2/3/2014	4	Injection Capacity	332000
Winter 13-14	2/4/2014	4	Injection Capacity	332000
Winter 13-14	2/5/2014	4	Injection Capacity	333000
Winter 13-14	2/6/2014	4	Injection Capacity	281000
Winter 13-14	2/7/2014	4	Injection Capacity	332000
Winter 13-14	2/8/2014	4	Injection Capacity	332000
Winter 13-14	2/9/2014	4	Injection Capacity	362000
Winter 13-14	2/10/2014	4	Injection Capacity	341000
Winter 13-14	2/11/2014	4	Injection Capacity	311000

Winter 13-14	2/12/2014	4	Injection Capacity	310000
Winter 13-14	2/13/2014	4	Injection Capacity	309000
Winter 13-14	2/14/2014	4	Injection Capacity	260000
Winter 13-14	2/15/2014	4	Injection Capacity	260000
Winter 13-14	2/16/2014	4	Injection Capacity	260000
Winter 13-14	2/17/2014	4	Injection Capacity	258000
Winter 13-14	2/18/2014	4	Injection Capacity	259000
Winter 13-14	2/19/2014	4	Injection Capacity	259000
Winter 13-14	2/20/2014	4	Injection Capacity	274630
Winter 13-14	2/21/2014	4	Injection Capacity	289000
Winter 13-14	2/22/2014	4	Injection Capacity	340000
Winter 13-14	2/23/2014	4	Injection Capacity	340000
Winter 13-14	2/24/2014	4	Injection Capacity	340000
Winter 13-14	2/25/2014	4	Injection Capacity	344000
Winter 13-14	2/26/2014	4	Injection Capacity	344000
Winter 13-14	2/27/2014	4	Injection Capacity	344000
Winter 13-14	2/28/2014	4	Injection Capacity	342000
Winter 13-14	3/1/2014	4	Injection Capacity	342000
Winter 13-14	3/2/2014	4	Injection Capacity	344000
Winter 13-14	3/3/2014	4	Injection Capacity	241000
Winter 13-14	3/4/2014	4	Injection Capacity	241000
Winter 13-14	3/5/2014	4	Injection Capacity	241000
Winter 13-14	3/6/2014	4	Injection Capacity	240000
Winter 13-14	3/7/2014	4	Injection Capacity	332000
Winter 13-14	3/8/2014	4	Injection Capacity	332000
Winter 13-14	3/9/2014	4	Injection Capacity	332000
Winter 13-14	3/10/2014	4	Injection Capacity	332000
Winter 13-14	3/11/2014	4	Injection Capacity	306000
Winter 13-14	3/12/2014	4	Injection Capacity	255000
Winter 13-14	3/13/2014	4	Injection Capacity	332000
Winter 13-14	3/14/2014	4	Injection Capacity	332000
Winter 13-14	3/15/2014	4	Injection Capacity	333000
Winter 13-14	3/16/2014	4	Injection Capacity	383000
Winter 13-14	3/17/2014	4	Injection Capacity	306475
Winter 13-14	3/18/2014	4	Injection Capacity	306000
Winter 13-14	3/19/2014	4	Injection Capacity	328000
Winter 13-14	3/20/2014	4	Injection Capacity	353525
Winter 13-14	3/21/2014	4	Injection Capacity	353000
Winter 13-14	3/22/2014	4	Injection Capacity	745000
Winter 13-14	3/23/2014	4	Injection Capacity	746000
Winter 13-14	3/24/2014	4	Injection Capacity	746000
Winter 13-14	3/25/2014	4	Injection Capacity	746000
Winter 13-14	3/26/2014	4	Injection Capacity	746000

Winter 13-14	3/27/2014	4	Injection Capacity	744000
Winter 13-14	3/28/2014	4	Injection Capacity	898000
Winter 13-14	3/29/2014	4	Injection Capacity	898000
Winter 13-14	3/30/2014	4	Injection Capacity	846950
Winter 13-14	3/31/2014	4	Injection Capacity	775000

4 Winter Average : 401,774 Dth/D

393 MMcfd (@1023)

Inventory Date	Inventory Qty (Bcf)
11/1/2011	129.5
11/2/2011	129.7
11/3/2011	129.9
11/4/2011	130.0
11/5/2011	130.1
11/6/2011	129.9
11/7/2011	129.5
11/8/2011	128.9
11/9/2011	128.5
11/10/2011	128.6
11/11/2011	128.7
11/12/2011	129.2
11/13/2011	129.7
11/14/2011	130.0
11/15/2011	130.3
11/16/2011	130.3
11/17/2011	130.5
11/18/2011	130.6
11/19/2011	130.8
11/20/2011	130.2
11/21/2011	129.6
11/22/2011	129.5
11/23/2011	129.6
11/24/2011	129.8
11/25/2011	130.1
11/26/2011	130.4
11/27/2011	130.7
11/28/2011	130.3
11/29/2011	130.2
11/30/2011	130.1
12/1/2011	129.9
12/2/2011	129.8
12/3/2011	129.1
12/4/2011	128.0
12/5/2011	126.4
12/6/2011	124.5
12/7/2011	123.0
12/8/2011	121.5
12/9/2011	120.8
12/10/2011	120.4
12/11/2011	119.6

12/12/2011	118.1
12/13/2011	116.9
12/14/2011	115.7
12/15/2011	114.3
12/16/2011	114.3
12/17/2011	113.5
12/18/2011	113.2
12/19/2011	112.5
12/20/2011	111.8
12/21/2011	111.1
12/22/2011	110.2
12/23/2011	109.7
12/24/2011	109.8
12/25/2011	110.1
12/26/2011	109.9
12/27/2011	109.8
12/28/2011	109.8
12/29/2011	110.0
12/30/2011	110.2
12/31/2011	110.3
1/1/2012	110.5
1/2/2012	110.5
1/3/2012	110.5
1/4/2012	110.6
1/5/2012	110.9
1/6/2012	110.9
1/7/2012	111.0
1/8/2012	110.8
1/9/2012	110.3
1/10/2012	109.8
1/11/2012	109.1
1/12/2012	108.7
1/13/2012	108.4
1/14/2012	108.0
1/15/2012	107.9
1/16/2012	107.2
1/17/2012	106.0
1/18/2012	104.2
1/19/2012	103.3
1/20/2012	103.1
1/21/2012	103.3
1/22/2012	103.2
1/23/2012	102.4

1/24/2012	101.9
1/25/2012	101.8
1/26/2012	102.1
1/27/2012	102.3
1/28/2012	102.4
1/29/2012	102.4
1/30/2012	102.0
1/31/2012	101.8
2/1/2012	101.1
2/2/2012	100.8
2/3/2012	100.7
2/4/2012	100.4
2/5/2012	100.4
2/6/2012	100.1
2/7/2012	99.9
2/8/2012	100.1
2/9/2012	100.4
2/10/2012	100.7
2/11/2012	101.0
2/12/2012	101.0
2/13/2012	100.4
2/14/2012	99.7
2/15/2012	98.5
2/16/2012	97.9
2/17/2012	97.8
2/18/2012	97.7
2/19/2012	97.7
2/20/2012	97.4
2/21/2012	97.3
2/22/2012	97.5
2/23/2012	97.7
2/24/2012	98.0
2/25/2012	98.3
2/26/2012	98.3
2/27/2012	97.4
2/28/2012	96.5
2/29/2012	95.8
3/1/2012	95.7
3/2/2012	95.7
3/3/2012	95.7
3/4/2012	95.9
3/5/2012	96.0
3/6/2012	95.8

3/7/2012	95.2
3/8/2012	95.2
3/9/2012	95.6
3/10/2012	96.0
3/11/2012	96.2
3/12/2012	96.5
3/13/2012	96.8
3/14/2012	97.0
3/15/2012	97.3
3/16/2012	97.6
3/17/2012	96.9
3/18/2012	96.1
3/19/2012	95.7
3/20/2012	95.2
3/21/2012	95.5
3/22/2012	96.0
3/23/2012	96.4
3/24/2012	96.7
3/25/2012	96.4
3/26/2012	96.3
3/27/2012	96.2
3/28/2012	96.5
3/29/2012	96.8
3/30/2012	97.1
3/31/2012	97.5
11/1/2012	133.5
11/2/2012	133.7
11/3/2012	134.0
11/4/2012	134.1
11/5/2012	134.2
11/6/2012	134.4
11/7/2012	134.6
11/8/2012	134.7
11/9/2012	134.7
11/10/2012	134.4
11/11/2012	134.0
11/12/2012	133.5
11/13/2012	133.3
11/14/2012	133.3
11/15/2012	133.2
11/16/2012	133.4
11/17/2012	133.7
11/18/2012	133.9

11/19/2012	134.0
11/20/2012	134.2
11/21/2012	134.3
11/22/2012	134.5
11/23/2012	134.7
11/24/2012	134.9
11/25/2012	134.9
11/26/2012	134.6
11/27/2012	134.5
11/28/2012	134.6
11/29/2012	134.8
11/30/2012	135.0
12/1/2012	135.3
12/2/2012	135.6
12/3/2012	135.7
12/4/2012	135.7
12/5/2012	135.8
12/6/2012	136.0
12/7/2012	136.0
12/8/2012	135.9
12/9/2012	135.8
12/10/2012	135.4
12/11/2012	135.2
12/12/2012	135.1
12/13/2012	134.6
12/14/2012	134.0
12/15/2012	133.9
12/16/2012	133.9
12/17/2012	134.0
12/18/2012	133.2
12/19/2012	132.0
12/20/2012	130.9
12/21/2012	130.2
12/22/2012	129.9
12/23/2012	130.1
12/24/2012	130.2
12/25/2012	130.0
12/26/2012	129.7
12/27/2012	129.1
12/28/2012	128.2
12/29/2012	127.0
12/30/2012	126.0
12/31/2012	124.9

1/1/2013	123.7
1/2/2013	122.3
1/3/2013	120.8
1/4/2013	119.4
1/5/2013	118.1
1/6/2013	116.9
1/7/2013	115.5
1/8/2013	114.6
1/9/2013	113.8
1/10/2013	112.7
1/11/2013	111.1
1/12/2013	109.4
1/13/2013	107.6
1/14/2013	105.1
1/15/2013	102.8
1/16/2013	101.3
1/17/2013	100.0
1/18/2013	99.4
1/19/2013	98.9
1/20/2013	98.4
1/21/2013	97.5
1/22/2013	96.8
1/23/2013	96.2
1/24/2013	95.6
1/25/2013	95.3
1/26/2013	95.6
1/27/2013	95.4
1/28/2013	94.5
1/29/2013	93.9
1/30/2013	93.5
1/31/2013	93.2
2/1/2013	93.1
2/2/2013	93.2
2/3/2013	93.4
2/4/2013	93.2
2/5/2013	92.9
2/6/2013	93.0
2/7/2013	92.6
2/8/2013	91.5
2/9/2013	90.8
2/10/2013	90.0
2/11/2013	89.0
2/12/2013	88.1

2/13/2013	87.8
2/14/2013	87.6
2/15/2013	87.8
2/16/2013	88.1
2/17/2013	88.1
2/18/2013	87.9
2/19/2013	86.6
2/20/2013	85.8
2/21/2013	84.9
2/22/2013	84.4
2/23/2013	84.2
2/24/2013	84.0
2/25/2013	83.5
2/26/2013	82.9
2/27/2013	82.4
2/28/2013	82.2
3/1/2013	82.4
3/2/2013	82.6
3/3/2013	82.7
3/4/2013	82.7
3/5/2013	82.6
3/6/2013	82.5
3/7/2013	82.2
3/8/2013	81.9
3/9/2013	82.1
3/10/2013	82.1
3/11/2013	82.0
3/12/2013	82.2
3/13/2013	82.3
3/14/2013	82.5
3/15/2013	82.7
3/16/2013	82.8
3/17/2013	82.9
3/18/2013	82.6
3/19/2013	82.4
3/20/2013	82.4
3/21/2013	82.3
3/22/2013	82.2
3/23/2013	82.2
3/24/2013	82.0
3/25/2013	81.7
3/26/2013	81.8
3/27/2013	82.0

3/28/2013	82.1
3/29/2013	82.4
3/30/2013	82.8
3/31/2013	83.2
11/1/2013	126.7
11/2/2013	126.7
11/3/2013	126.9
11/4/2013	126.7
11/5/2013	126.7
11/6/2013	126.5
11/7/2013	126.4
11/8/2013	126.5
11/9/2013	126.7
11/10/2013	126.7
11/11/2013	126.5
11/12/2013	126.5
11/13/2013	126.6
11/14/2013	126.8
11/15/2013	127.0
11/16/2013	127.3
11/17/2013	127.4
11/18/2013	127.2
11/19/2013	127.5
11/20/2013	127.5
11/21/2013	127.1
11/22/2013	126.3
11/23/2013	125.9
11/24/2013	125.5
11/25/2013	124.5
11/26/2013	124.0
11/27/2013	123.9
11/28/2013	123.7
11/29/2013	123.6
11/30/2013	123.7
12/1/2013	123.9
12/2/2013	123.6
12/3/2013	123.1
12/4/2013	121.6
12/5/2013	119.2
12/6/2013	116.4
12/7/2013	113.8
12/8/2013	111.3
12/9/2013	108.4

12/10/2013	106.0
12/11/2013	104.0
12/12/2013	102.4
12/13/2013	100.7
12/14/2013	99.7
12/15/2013	99.2
12/16/2013	98.3
12/17/2013	97.6
12/18/2013	96.6
12/19/2013	95.2
12/20/2013	94.1
12/21/2013	93.0
12/22/2013	92.0
12/23/2013	91.3
12/24/2013	90.9
12/25/2013	90.8
12/26/2013	90.2
12/27/2013	89.4
12/28/2013	89.1
12/29/2013	88.4
12/30/2013	87.5
12/31/2013	86.6
1/1/2014	86.1
1/2/2014	85.5
1/3/2014	84.8
1/4/2014	84.0
1/5/2014	82.9
1/6/2014	81.3
1/7/2014	79.3
1/8/2014	77.6
1/9/2014	76.6
1/10/2014	76.1
1/11/2014	75.8
1/12/2014	75.4
1/13/2014	74.9
1/14/2014	74.2
1/15/2014	73.6
1/16/2014	72.9
1/17/2014	72.2
1/18/2014	71.9
1/19/2014	71.5
1/20/2014	70.8
1/21/2014	70.0

1/22/2014	69.1
1/23/2014	67.5
1/24/2014	66.1
1/25/2014	65.0
1/26/2014	63.9
1/27/2014	61.9
1/28/2014	60.4
1/29/2014	59.2
1/30/2014	58.0
1/31/2014	56.9
2/1/2014	55.7
2/2/2014	54.2
2/3/2014	52.7
2/4/2014	50.5
2/5/2014	47.8
2/6/2014	45.2
2/7/2014	43.5
2/8/2014	42.2
2/9/2014	40.9
2/10/2014	39.4
2/11/2014	38.1
2/12/2014	36.9
2/13/2014	36.0
2/14/2014	35.4
2/15/2014	35.1
2/16/2014	35.2
2/17/2014	34.8
2/18/2014	33.9
2/19/2014	33.5
2/20/2014	32.7
2/21/2014	32.0
2/22/2014	31.3
2/23/2014	30.4
2/24/2014	29.4
2/25/2014	24.0
2/26/2014	23.2
2/27/2014	22.4
2/28/2014	21.3
3/1/2014	20.8
3/2/2014	20.2
3/3/2014	19.7
3/4/2014	19.1
3/5/2014	18.6

3/6/2014	18.5
3/7/2014	18.6
3/8/2014	18.8
3/9/2014	19.1
3/10/2014	19.2
3/11/2014	19.4
3/12/2014	19.3
3/13/2014	19.4
3/14/2014	19.6
3/15/2014	19.6
3/16/2014	19.8
3/17/2014	19.8
3/18/2014	19.9
3/19/2014	19.8
3/20/2014	20.0
3/21/2014	20.1
3/22/2014	20.5
3/23/2014	20.9
3/24/2014	20.8
3/25/2014	21.0
3/26/2014	21.0
3/27/2014	21.4
3/28/2014	21.9
3/29/2014	22.7
3/30/2014	23.4
3/31/2014	23.8

Count 454 Winter days ('11-'12,'12-'13,'13-'14)

Days < 34 Bcf: 42 of Winter days
 or
 9% of Winter days

Season	Flow Date	Cyl	Name	Gross Capacity
Summer-12	4/1/2012	4	Withdrawal Capacity	3535000
Summer-12	4/2/2012	4	Withdrawal Capacity	2844000
Summer-12	4/3/2012	4	Withdrawal Capacity	1727000
Summer-12	4/4/2012	4	Withdrawal Capacity	2072000
Summer-12	4/5/2012	4	Withdrawal Capacity	2072000
Summer-12	4/6/2012	4	Withdrawal Capacity	2076000
Summer-12	4/7/2012	4	Withdrawal Capacity	2072000
Summer-12	4/8/2012	4	Withdrawal Capacity	2074000
Summer-12	4/9/2012	4	Withdrawal Capacity	2070000
Summer-12	4/10/2012	4	Withdrawal Capacity	2070000
Summer-12	4/11/2012	4	Withdrawal Capacity	2070000
Summer-12	4/12/2012	4	Withdrawal Capacity	2076000
Summer-12	4/13/2012	4	Withdrawal Capacity	2076000
Summer-12	4/14/2012	4	Withdrawal Capacity	2076000
Summer-12	4/15/2012	4	Withdrawal Capacity	2076000
Summer-12	4/16/2012	4	Withdrawal Capacity	1728000
Summer-12	4/17/2012	4	Withdrawal Capacity	1728000
Summer-12	4/18/2012	4	Withdrawal Capacity	1728000
Summer-12	4/19/2012	4	Withdrawal Capacity	1727000
Summer-12	4/20/2012	4	Withdrawal Capacity	1930000
Summer-12	4/21/2012	4	Withdrawal Capacity	1932000
Summer-12	4/22/2012	4	Withdrawal Capacity	1423000
Summer-12	4/23/2012	4	Withdrawal Capacity	1930000
Summer-12	4/24/2012	4	Withdrawal Capacity	2275000
Summer-12	4/25/2012	4	Withdrawal Capacity	2275000
Summer-12	4/26/2012	4	Withdrawal Capacity	2275000
Summer-12	4/27/2012	4	Withdrawal Capacity	2275000
Summer-12	4/28/2012	4	Withdrawal Capacity	2275000
Summer-12	4/29/2012	4	Withdrawal Capacity	2275000
Summer-12	4/30/2012	4	Withdrawal Capacity	2275000
Summer-12	5/1/2012	4	Withdrawal Capacity	2271000
Summer-12	5/2/2012	4	Withdrawal Capacity	2269000
Summer-12	5/3/2012	4	Withdrawal Capacity	2269000
Summer-12	5/4/2012	4	Withdrawal Capacity	2269000
Summer-12	5/5/2012	4	Withdrawal Capacity	2269000
Summer-12	5/6/2012	4	Withdrawal Capacity	2271000
Summer-12	5/7/2012	4	Withdrawal Capacity	2271000
Summer-12	5/8/2012	4	Withdrawal Capacity	2271000
Summer-12	5/9/2012	4	Withdrawal Capacity	2271000
Summer-12	5/10/2012	4	Withdrawal Capacity	2271000
Summer-12	5/11/2012	4	Withdrawal Capacity	2266000

Summer-12	5/12/2012	4	Withdrawal Capacity	2271000
Summer-12	5/13/2012	4	Withdrawal Capacity	2271000
Summer-12	5/14/2012	4	Withdrawal Capacity	2068000
Summer-12	5/15/2012	4	Withdrawal Capacity	2070000
Summer-12	5/16/2012	4	Withdrawal Capacity	2068000
Summer-12	5/17/2012	4	Withdrawal Capacity	2070000
Summer-12	5/18/2012	4	Withdrawal Capacity	2070000
Summer-12	5/19/2012	4	Withdrawal Capacity	2070000
Summer-12	5/20/2012	4	Withdrawal Capacity	2070000
Summer-12	5/21/2012	4	Withdrawal Capacity	2070000
Summer-12	5/22/2012	4	Withdrawal Capacity	2070000
Summer-12	5/23/2012	4	Withdrawal Capacity	2076000
Summer-12	5/24/2012	4	Withdrawal Capacity	2076000
Summer-12	5/25/2012	4	Withdrawal Capacity	2427000
Summer-12	5/26/2012	4	Withdrawal Capacity	2427000
Summer-12	5/27/2012	4	Withdrawal Capacity	2422000
Summer-12	5/28/2012	4	Withdrawal Capacity	1913000
Summer-12	5/29/2012	4	Withdrawal Capacity	1913000
Summer-12	5/30/2012	4	Withdrawal Capacity	1964000
Summer-12	5/31/2012	4	Withdrawal Capacity	1964000
Summer-12	6/1/2012	4	Withdrawal Capacity	1455000
Summer-12	6/2/2012	4	Withdrawal Capacity	1455000
Summer-12	6/3/2012	4	Withdrawal Capacity	1455000
Summer-12	6/4/2012	4	Withdrawal Capacity	1455000
Summer-12	6/5/2012	4	Withdrawal Capacity	1457000
Summer-12	6/6/2012	4	Withdrawal Capacity	1455000
Summer-12	6/7/2012	4	Withdrawal Capacity	1454000
Summer-12	6/8/2012	4	Withdrawal Capacity	1454000
Summer-12	6/9/2012	4	Withdrawal Capacity	1455000
Summer-12	6/10/2012	4	Withdrawal Capacity	1455000
Summer-12	6/11/2012	4	Withdrawal Capacity	1455000
Summer-12	6/12/2012	4	Withdrawal Capacity	1369000
Summer-12	6/13/2012	4	Withdrawal Capacity	1455000
Summer-12	6/14/2012	4	Withdrawal Capacity	1454000
Summer-12	6/15/2012	4	Withdrawal Capacity	1454000
Summer-12	6/16/2012	4	Withdrawal Capacity	1966000
Summer-12	6/17/2012	4	Withdrawal Capacity	1966000
Summer-12	6/18/2012	4	Withdrawal Capacity	1964000
Summer-12	6/19/2012	4	Withdrawal Capacity	1964000
Summer-12	6/20/2012	4	Withdrawal Capacity	1966000
Summer-12	6/21/2012	4	Withdrawal Capacity	1966000
Summer-12	6/22/2012	4	Withdrawal Capacity	3087000
Summer-12	6/23/2012	4	Withdrawal Capacity	3087000

Summer-12	6/24/2012	4	Withdrawal Capacity	3087000
Summer-12	6/25/2012	4	Withdrawal Capacity	3087000
Summer-12	6/26/2012	4	Withdrawal Capacity	3093000
Summer-12	6/27/2012	4	Withdrawal Capacity	3090000
Summer-12	6/28/2012	4	Withdrawal Capacity	3090000
Summer-12	6/29/2012	4	Withdrawal Capacity	3090000
Summer-12	6/30/2012	4	Withdrawal Capacity	3084000
Summer-12	7/1/2012	4	Withdrawal Capacity	3084000
Summer-12	7/2/2012	4	Withdrawal Capacity	3078000
Summer-12	7/3/2012	4	Withdrawal Capacity	3081000
Summer-12	7/4/2012	4	Withdrawal Capacity	3081000
Summer-12	7/5/2012	4	Withdrawal Capacity	3081000
Summer-12	7/6/2012	4	Withdrawal Capacity	3081000
Summer-12	7/7/2012	4	Withdrawal Capacity	3081000
Summer-12	7/8/2012	4	Withdrawal Capacity	3081000
Summer-12	7/9/2012	4	Withdrawal Capacity	3081000
Summer-12	7/10/2012	4	Withdrawal Capacity	2735000
Summer-12	7/11/2012	4	Withdrawal Capacity	2738000
Summer-12	7/12/2012	4	Withdrawal Capacity	2738000
Summer-12	7/13/2012	4	Withdrawal Capacity	2738000
Summer-12	7/14/2012	4	Withdrawal Capacity	2749000
Summer-12	7/15/2012	4	Withdrawal Capacity	2749000
Summer-12	7/16/2012	4	Withdrawal Capacity	2749000
Summer-12	7/17/2012	4	Withdrawal Capacity	2493000
Summer-12	7/18/2012	4	Withdrawal Capacity	2738000
Summer-12	7/19/2012	4	Withdrawal Capacity	2743000
Summer-12	7/20/2012	4	Withdrawal Capacity	2738000
Summer-12	7/21/2012	4	Withdrawal Capacity	2741000
Summer-12	7/22/2012	4	Withdrawal Capacity	2743000
Summer-12	7/23/2012	4	Withdrawal Capacity	2741000
Summer-12	7/24/2012	4	Withdrawal Capacity	3087000
Summer-12	7/25/2012	4	Withdrawal Capacity	3087000
Summer-12	7/26/2012	4	Withdrawal Capacity	3087000
Summer-12	7/27/2012	4	Withdrawal Capacity	3087000
Summer-12	7/28/2012	4	Withdrawal Capacity	3087000
Summer-12	7/29/2012	4	Withdrawal Capacity	3087000
Summer-12	7/30/2012	4	Withdrawal Capacity	3087000
Summer-12	7/31/2012	4	Withdrawal Capacity	3084000
Summer-12	8/1/2012	4	Withdrawal Capacity	3087000
Summer-12	8/2/2012	4	Withdrawal Capacity	3087000
Summer-12	8/3/2012	4	Withdrawal Capacity	3099000
Summer-12	8/4/2012	4	Withdrawal Capacity	3099000
Summer-12	8/5/2012	4	Withdrawal Capacity	3099000

Summer-12	8/6/2012	4	Withdrawal Capacity	3099000
Summer-12	8/7/2012	4	Withdrawal Capacity	3099000
Summer-12	8/8/2012	4	Withdrawal Capacity	3099000
Summer-12	8/9/2012	4	Withdrawal Capacity	3087000
Summer-12	8/10/2012	4	Withdrawal Capacity	3090000
Summer-12	8/11/2012	4	Withdrawal Capacity	3090000
Summer-12	8/12/2012	4	Withdrawal Capacity	3090000
Summer-12	8/13/2012	4	Withdrawal Capacity	3090000
Summer-12	8/14/2012	4	Withdrawal Capacity	3081000
Summer-12	8/15/2012	4	Withdrawal Capacity	3081000
Summer-12	8/16/2012	4	Withdrawal Capacity	3081000
Summer-12	8/17/2012	4	Withdrawal Capacity	3081000
Summer-12	8/18/2012	4	Withdrawal Capacity	3081000
Summer-12	8/19/2012	4	Withdrawal Capacity	3078000
Summer-12	8/20/2012	4	Withdrawal Capacity	3078000
Summer-12	8/21/2012	4	Withdrawal Capacity	3078000
Summer-12	8/22/2012	4	Withdrawal Capacity	3078000
Summer-12	8/23/2012	4	Withdrawal Capacity	3078000
Summer-12	8/24/2012	4	Withdrawal Capacity	3084000
Summer-12	8/25/2012	4	Withdrawal Capacity	3093000
Summer-12	8/26/2012	4	Withdrawal Capacity	3093000
Summer-12	8/27/2012	4	Withdrawal Capacity	3090000
Summer-12	8/28/2012	4	Withdrawal Capacity	3090000
Summer-12	8/29/2012	4	Withdrawal Capacity	3087000
Summer-12	8/30/2012	4	Withdrawal Capacity	3093000
Summer-12	8/31/2012	4	Withdrawal Capacity	3093000
Summer-12	9/1/2012	4	Withdrawal Capacity	3090000
Summer-12	9/2/2012	4	Withdrawal Capacity	3078000
Summer-12	9/3/2012	4	Withdrawal Capacity	3081000
Summer-12	9/4/2012	4	Withdrawal Capacity	3081000
Summer-12	9/5/2012	4	Withdrawal Capacity	3081000
Summer-12	9/6/2012	4	Withdrawal Capacity	3081000
Summer-12	9/7/2012	4	Withdrawal Capacity	3084000
Summer-12	9/8/2012	4	Withdrawal Capacity	3090000
Summer-12	9/9/2012	4	Withdrawal Capacity	3090000
Summer-12	9/10/2012	4	Withdrawal Capacity	3084000
Summer-12	9/11/2012	4	Withdrawal Capacity	3084000
Summer-12	9/12/2012	4	Withdrawal Capacity	3084000
Summer-12	9/13/2012	4	Withdrawal Capacity	3084000
Summer-12	9/14/2012	4	Withdrawal Capacity	3084000
Summer-12	9/15/2012	4	Withdrawal Capacity	2575000
Summer-12	9/16/2012	4	Withdrawal Capacity	2575000
Summer-12	9/17/2012	4	Withdrawal Capacity	1812000

Summer-12	9/18/2012	4	Withdrawal Capacity	1817000
Summer-12	9/19/2012	4	Withdrawal Capacity	1813000
Summer-12	9/20/2012	4	Withdrawal Capacity	1710000
Summer-12	9/21/2012	4	Withdrawal Capacity	1812000
Summer-12	9/22/2012	4	Withdrawal Capacity	1813000
Summer-12	9/23/2012	4	Withdrawal Capacity	1813000
Summer-12	9/24/2012	4	Withdrawal Capacity	1813000
Summer-12	9/25/2012	4	Withdrawal Capacity	1812000
Summer-12	9/26/2012	4	Withdrawal Capacity	1813000
Summer-12	9/27/2012	4	Withdrawal Capacity	1813000
Summer-12	9/28/2012	4	Withdrawal Capacity	1813000
Summer-12	9/29/2012	4	Withdrawal Capacity	2323000
Summer-12	9/30/2012	4	Withdrawal Capacity	2321000
Summer-12	10/1/2012	4	Withdrawal Capacity	2321000
Summer-12	10/2/2012	4	Withdrawal Capacity	2316000
Summer-12	10/3/2012	4	Withdrawal Capacity	3084000
Summer-12	10/4/2012	4	Withdrawal Capacity	3084000
Summer-12	10/5/2012	4	Withdrawal Capacity	3084000
Summer-12	10/6/2012	4	Withdrawal Capacity	3087000
Summer-12	10/7/2012	4	Withdrawal Capacity	3087000
Summer-12	10/8/2012	4	Withdrawal Capacity	3087000
Summer-12	10/9/2012	4	Withdrawal Capacity	3087000
Summer-12	10/10/2012	4	Withdrawal Capacity	2741000
Summer-12	10/11/2012	4	Withdrawal Capacity	2741000
Summer-12	10/12/2012	4	Withdrawal Capacity	2749000
Summer-12	10/13/2012	4	Withdrawal Capacity	2743000
Summer-12	10/14/2012	4	Withdrawal Capacity	2746000
Summer-12	10/15/2012	4	Withdrawal Capacity	2741000
Summer-12	10/16/2012	4	Withdrawal Capacity	2387000
Summer-12	10/17/2012	4	Withdrawal Capacity	2389000
Summer-12	10/18/2012	4	Withdrawal Capacity	2389000
Summer-12	10/19/2012	4	Withdrawal Capacity	2389000
Summer-12	10/20/2012	4	Withdrawal Capacity	2898000
Summer-12	10/21/2012	4	Withdrawal Capacity	2898000
Summer-12	10/22/2012	4	Withdrawal Capacity	2898000
Summer-12	10/23/2012	4	Withdrawal Capacity	2904000
Summer-12	10/24/2012	4	Withdrawal Capacity	2907000
Summer-12	10/25/2012	4	Withdrawal Capacity	2904000
Summer-12	10/26/2012	4	Withdrawal Capacity	2904000
Summer-12	10/27/2012	4	Withdrawal Capacity	2915000
Summer-12	10/28/2012	4	Withdrawal Capacity	2912000
Summer-12	10/29/2012	4	Withdrawal Capacity	2907000
Summer-12	10/30/2012	4	Withdrawal Capacity	2907000

Summer-12	10/31/2012	4	Withdrawal Capacity	2907000
Summer-13	4/1/2013	4	Withdrawal Capacity	2242000
Summer-13	4/2/2013	4	Withdrawal Capacity	2246000
Summer-13	4/3/2013	4	Withdrawal Capacity	2244000
Summer-13	4/4/2013	4	Withdrawal Capacity	2244000
Summer-13	4/5/2013	4	Withdrawal Capacity	2246000
Summer-13	4/6/2013	4	Withdrawal Capacity	2249000
Summer-13	4/7/2013	4	Withdrawal Capacity	2246000
Summer-13	4/8/2013	4	Withdrawal Capacity	2246000
Summer-13	4/9/2013	4	Withdrawal Capacity	2244000
Summer-13	4/10/2013	4	Withdrawal Capacity	2246000
Summer-13	4/11/2013	4	Withdrawal Capacity	2240000
Summer-13	4/12/2013	4	Withdrawal Capacity	2240000
Summer-13	4/13/2013	4	Withdrawal Capacity	2244000
Summer-13	4/14/2013	4	Withdrawal Capacity	2244000
Summer-13	4/15/2013	4	Withdrawal Capacity	1225000
Summer-13	4/16/2013	4	Withdrawal Capacity	1988000
Summer-13	4/17/2013	4	Withdrawal Capacity	1988000
Summer-13	4/18/2013	4	Withdrawal Capacity	1988000
Summer-13	4/19/2013	4	Withdrawal Capacity	1988000
Summer-13	4/20/2013	4	Withdrawal Capacity	1990000
Summer-13	4/21/2013	4	Withdrawal Capacity	1988000
Summer-13	4/22/2013	4	Withdrawal Capacity	1988000
Summer-13	4/23/2013	4	Withdrawal Capacity	2337000
Summer-13	4/24/2013	4	Withdrawal Capacity	2337000
Summer-13	4/25/2013	4	Withdrawal Capacity	2337000
Summer-13	4/26/2013	4	Withdrawal Capacity	2337000
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Summer-13	4/28/2013	4	Withdrawal Capacity	2337000
Summer-13	4/29/2013	4	Withdrawal Capacity	2337000
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Summer-13	5/25/2013	4	Withdrawal Capacity	3090000
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Summer-13	6/22/2013	4	Withdrawal Capacity	1980000
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Summer-14	4/4/2014	4	Withdrawal Capacity	1903000
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Summer-14	9/16/2014	4	Withdrawal Capacity	2350000
Summer-14	9/17/2014	4	Withdrawal Capacity	2352000
Summer-14	9/18/2014	4	Withdrawal Capacity	2352000
Summer-14	9/19/2014	4	Withdrawal Capacity	2352000

Summer-14	9/20/2014	4	Withdrawal Capacity	2352000	
Summer-14	9/21/2014	4	Withdrawal Capacity	2352000	
Summer-14	9/22/2014	4	Withdrawal Capacity	2352000	
Summer-14	9/23/2014	4	Withdrawal Capacity	2352000	
Summer-14	9/24/2014	4	Withdrawal Capacity	2352000	
Summer-14	9/25/2014	4	Withdrawal Capacity	2352000	
Summer-14	9/26/2014	4	Withdrawal Capacity	2355000	
Summer-14	9/27/2014	4	Withdrawal Capacity	2350000	
Summer-14	9/28/2014	4	Withdrawal Capacity	2355000	
Summer-14	9/29/2014	4	Withdrawal Capacity	2348000	
Summer-14	9/30/2014	4	Withdrawal Capacity	2348000	
Summer-14	10/1/2014	4	Withdrawal Capacity	2348000	
Summer-14	10/2/2014	4	Withdrawal Capacity	2348000	
Summer-14	10/3/2014	4	Withdrawal Capacity	2348000	
Summer-14	10/4/2014	4	Withdrawal Capacity	2348000	
Summer-14	10/5/2014	4	Withdrawal Capacity	2348000	
Summer-14	10/6/2014	4	Withdrawal Capacity	2348000	
Summer-14	10/7/2014	4	Withdrawal Capacity	2352000	
Summer-14	10/8/2014	4	Withdrawal Capacity	2352000	
Summer-14	10/9/2014	4	Withdrawal Capacity	2352000	
Summer-14	10/10/2014	4	Withdrawal Capacity	2352000	
Summer-14	10/11/2014	4	Withdrawal Capacity	2352000	
Summer-14	10/12/2014	4	Withdrawal Capacity	2350000	
Summer-14	10/13/2014	4	Withdrawal Capacity	2355000	
Summer-14	10/14/2014	4	Withdrawal Capacity	2355000	
Summer-14	10/15/2014	4	Withdrawal Capacity	2355000	
Summer-14	10/16/2014	4	Withdrawal Capacity	2355000	
Summer-14	10/17/2014	4	Withdrawal Capacity	2359000	
Summer-14	10/18/2014	4	Withdrawal Capacity	2355000	
Summer-14	10/19/2014	4	Withdrawal Capacity	2355000	
Summer-14	10/20/2014	4	Withdrawal Capacity	1838000	(thru 10/20)

	Dth/D	(@1023) MMcfd
3 Summer WD Average :	2,396,687	2343
1.0851 x STD Deviation :	543,011	531
Average minus 1.6 x STND DEV :	1,853,676	1812

Count :

29	57	42
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3 Yr Average :

43

SoCal Gas

OFO Events :

2013	2012	2011
16-Feb	1-Jan	5-Mar
2-Mar	28-Jan	10-Mar
15-Mar	4-Feb	11-Mar
16-Mar	11-Feb	12-Mar
22-Mar	24-Feb	16-Mar
23-Mar	25-Feb	18-Mar
31-Mar	3-Mar	19-Mar
6-Apr	10-Mar	6-Apr
11-May	11-Mar	24-Apr
16-May	16-Mar	7-May
17-May	17-Mar	11-May
18-May	23-Mar	14-May
25-May	24-Mar	20-May
27-May	25-Mar	21-May
28-May	30-Mar	24-May
29-May	31-Mar	26-May
30-May	22-Apr	27-May
31-May	19-May	28-May
8-Jun	25-May	3-Jun
9-Jun	26-May	4-Jun
2-Nov	9-Jun	8-Jun
3-Nov	10-Jun	11-Jun
8-Nov	16-Jun	17-Jun
9-Nov	24-Jun	18-Jun
10-Nov	25-Aug	24-Jun
14-Nov	6-Oct	25-Jun
15-Nov	10-Oct	26-Jun
16-Nov	11-Oct	28-Jun
17-Nov	19-Oct	29-Jun
	20-Oct	30-Jun
	27-Oct	2-Jul
	29-Oct	3-Jul
	30-Oct	9-Jul
	31-Oct	10-Jul
	1-Nov	15-Jul
	2-Nov	16-Jul
	3-Nov	21-Aug
	4-Nov	17-Sep

	6-Nov	18-Sep
	7-Nov	19-Nov
	8-Nov	3-Dec
	9-Nov	31-Dec
	10-Nov	
	17-Nov	
	18-Nov	
	20-Nov	
	21-Nov	
	22-Nov	
	30-Nov	
	1-Dec	
	4-Dec	
	5-Dec	
	6-Dec	
	7-Dec	
	8-Dec	
	9-Dec	
	10-Dec	

PG&E OFO/EFO Archive

Gas Day	Activity	Tolerance	Stage/Non-Compliance Charge	Reason	No. of Customers Affected
04/16/13	System Wide	6%	Stage 1 at \$0.025/th	Low Inventory	All
07/01/13	System Wide	10%	Stage 2 at \$0.10/th	Low Inventory	All
08/13/13	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All
08/14/13	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All
09/01/13	System Wide	8%	Stage 1 at \$0.025/th	Low Inventory	All
11/06/13	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All
11/23/13	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All
12/05/13	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All
12/10/13	System Wide	5%	Stage 3 at \$0.50/th	Low Inventory	All
12/11/13	System Wide	5%	Stage 3 at \$0.50/th	Low Inventory	All
12/19/13	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All
01/09/14	System Wide	8%	Stage 1 at \$0.025/th	Low Inventory	All
01/22/14	Customer Specific	5%	Stage 1 at \$0.025/th	Low Inventory	8
01/23/14	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All
01/30/14	System Wide	7%	Stage 1 at \$0.025/th	Low Inventory	All
02/03/14	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All
02/04/14	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All
02/06/14	System Wide	5%	Stage 4 at \$2.50/th	Low Inventory	All
02/07/14	System Wide	3%	Stage 4 at \$2.50/th	Low Inventory	All
02/08/14	System Wide	5%	Stage 4 at \$2.50/th	Low Inventory	All
02/13/14	System Wide	5%	Stage 3 at \$0.50/th	Low Inventory	All
03/03/14	Customer Specific	5%	Stage 3 at \$0.50/th	Low Inventory	10
03/04/14	System Wide	5%	Stage 4 at \$2.50/th	Low Inventory	All
03/17/14	System Wide	5%	Stage 1 at \$0.025/th	Low Inventory	All

24 Low OFO Events (Apr-13 to Mar-14)

**SOUTHERN CALIFORNIA GAS COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY
2016 TCAP Phase 1**

12/18/2014

**Section 4
Combined Core Data**

**Workpapers to the Prepared Direct Testimony of
Steve Watson**

Combined Core (SCG+ SDG&E) in MMcfd

	Peak Day			Annual Avg Avg Temp			151 day Winter Avg Cold Year		
	SCG	SDG&E	Combined	SCG	SDG&E	Combined	SCG	SDG&E	Combined
2016	3,050	390	3,440	985	143	1,128	1,504	211	1,715
2017	3,035	390	3,425	985	143	1,128	1,508	213	1,721
2018	3,027	391	3,419	984	144	1,128	1,505	214	1,719
2019	3,008	393	3,401	979	145	1,124	1,497	214	1,711
Average			3,421			1,127			1,716