September 21, 2015

Advice Letters 4690-G and 4690-G-A

Ronald van der Leeden
Director, Regulatory Affairs
Southern California Gas
555 W. Fifth Street, GT14D6
Los Angeles, CA 90013-1011

SUBJECT: 2014 Annual Compliance Report on Utility System Operator's Southern System Reliability Purchases and Sales

Dear Mr. van der Leeden:

Advice Letters 4690-G and 4690-G-A are effective as of September 20, 2015, per Resolution G-3504 approved on August 13, 2015.

Sincerely,

Edward Randolph
Director, Energy Division

Rasha Prince
Director
Regulatory Affairs

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September 19, 2014

Advice No. 4690
(U 904 G)

Public Utilities Commission of the State of California

Subject: 2014 Annual Compliance Report on Utility System Operator's Southern System Reliability Purchases and Sales (September 1, 2013 through August 31, 2014)

Southern California Gas Company (SoCalGas) hereby submits for filing with the California Public Utilities Commission (Commission) its 2014 Annual Compliance Report (ACR) to demonstrate that activities to maintain Southern System reliability from September 1, 2013, through August 31, 2014, are in compliance with the standards, criteria, and procedures described in Sections 9 through 19 of SoCalGas Rule No. 41.

Background

Pursuant to SoCalGas Rule No. 41, SoCalGas is to submit an ACR on October 1 of each year regarding its Southern System reliability procurement activities for the previous 12-month period ending on August 31:

> On October 1 of each year, the Utility shall provide a report ("Annual Compliance Report") demonstrating that the Operational Hub's procurement activities during the preceding twelve months ending August 31 were in compliance with the standards, criteria and procedures described in Sections 9 through 19 above. The Annual Compliance Report shall be submitted to the Energy Division by Advice Letter and shall be subject to comment or protest. Upon Energy Division review and verification of the Annual Compliance Report and the CPUC Resolution approving the Annual Compliance Report, all the transactions entered into the SRMA balance for the year in question that are found reasonable by the Energy Division shall be amortized in customer transportation rates over the following year.[1]

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[1] SoCalGas Rule No. 41, Section 25. This provision is the result of D.09-11-006, which adopted SoCalGas' 2009 BCAP Phase Two Settlement Agreement. The acronym "SRMA" in the quotation above refers to SoCalGas' System Reliability Memorandum Account. As explained in

In Resolution G-3480 (relating to SoCalGas' 2012 ACR), the Commission provided additional direction regarding the content of future ACRs:

> [F]uture ACRs should include a narrative statement and a table in the text of the report presenting the number and percents of transactions by the Section of Rule 41 under which SoCalGas asserts the transactions to be reasonable. A narrative explanation for any transaction not meeting the requirements of Sections 13 and 14 should be included in any future ACR, and supplemented with additional exhibits and documentation as appropriate.
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> . . .
>
> SoCalGas shall incorporate, in all future ACRs, a table, as described in ordering paragraph 3.(b) and narrative explanations supported by appropriate documentation for any transactions to be evaluated as reasonable under Section 15 of Rule 41.[2]

Discussion

In accordance with Rule No. 41, SoCalGas hereby submits its ACR for the 12-month period ending August 31, 2014. SoCalGas believes that all of the transactions described in this ACR are reasonable and subject to amortization in customer transportation rates during 2015.

A. Transaction Overview

As shown in Attachment A, from September 1, 2013, through August 31, 2014, SoCalGas spent $12,932,531 to help satisfy Southern System minimum flow requirements. Over 77 days, SoCalGas purchased 36,946,128 dths (net of in-kind fuel) of spot gas at Ehrenberg for $185,142,449. This spot gas was then resold at the SoCal Citygate for $177,131,296, for a net cost of $8,011,153. In addition to this net purchase cost, the System Operator also incurred $4,921,378 of BTS transportation charges.

This $12,932,531 is 64% higher than the $7,876,555 spent by SoCalGas to provide system reliability services during the previous 12-month period (covered by AL 4547). Costs were driven higher by purchased volumes 91% higher than volumes purchased in

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Rule No. 41, Section 20, "The cost and revenues of Operational Hub transactions (e.g., natural gas purchases, sales, or exchanges resulting from approved contracts) that are necessary to meet minimum flow requirements shall be recorded in the System Reliability Memorandum Account (SRMA)."

[2] Resolution G-3480 at 11-12 and 12-13. Note that the reference to Section 15 of Rule No. 41 should actually be to Section 16. In 2012, SoCalGas added a new Section 15 to Rule No. 41, and the existing Section 15 was changed to Section 16. The text of this section was not changed, just the numbering.

the prior 12-month period. However, the net cost per dth purchased was 14% lower (35 cents/dth) in this filing compared to 41 cents/dth in AL 4547.[3]

B. Transaction Detail

Attachment B provides the details of the purchases and sales summarized in Attachment A. Table 1 below shows that 65% of purchase transactions were within the automatic safe harbor price limits described in Section 13 of Rule No. 41. Another 29% were within parameters described in Section 14 of Rule No. 41.[4] Four transactions, representing 2% of transactions, were Section 15 transactions.[5] All six baseload contracts were within the parameters described in Section 18 of Rule No. 41.[6]

Table 1				
Southern System Purchases, September 2013 - August 2014				
	# Transactions	%	$	%
Section 13	115	65	22,989,851	12
Section 14	51	29	16,138,175	9
Section 15	4	2	718,650	0
Section 18	6	3	145,295,772	78
Total	176	100	185,142,448	100

[3] 35 cents = $12,932,531/36,946,127dths in this filing, 41 cents = $7,876,555/19,319,690dths for AL 4547.

[4] For a transaction to be deemed reasonable pursuant to Section 14, the System Operator needs to accept the lowest of at least three separate suppliers' offers to meet Southern System needs.

[5] The relevant portion of Section 15 of Rule No. 41 provides as follows: "Should it be necessary for the Operational Hub to move supplies from Blythe to Otay Mesa, the movement shall be deemed to be reasonable if (1) the cost of moving the supplies is less than or equal to the difference between the ICE Wtd Avg Index for the Blythe and the cost of spot gas available for purchase at Otay Mesa for the relevant flow date, or (2) if sufficient spot supplies are not available for purchase at Otay Mesa for the relevant flow date, and the movement fills some or all of the shortfall between supplies needed at Otay Mesa and supplies available for purchase at Otay Mesa."

[6] These six contracts were with four suppliers. Section 18 states: "Should the Operational Hub deem it necessary or advisable to enter into baseload contracts for Southern System support at one or more of the Southern System receipt points, the Operational Hub shall be deemed to have made reasonable baseload purchases if: (1) the total cumulative baseload volumes at any time are less than or equal to 255,000 Dth/day; (2) the price is less than or equal to NGI's Bidweek average for "Southern Cal. Bdr. Avg." plus 8.2 cents/Dth for the relevant baseload month(s); (3) the term is for the December - March period, or any subset of that period; and (4) the baseload contracts can only be made for one season at a time and only within the nine-month period directly preceding that season. The Operational Hub shall be deemed to have made reasonable sales of such baseload gas if: (1) for baseload sales, the sale price is greater than or equal to 90% of NGI's Bidweek average for "SoCal Citygate" for the relevant baseload month(s); and (2) for spot sales, the sale price is greater than or equal to 90% of the ICE Wtd Avg Index for the relevant trading point and trading period."

Almost all sales transactions had prices that were within the automatic safe harbor provisions described in Sections 13 or 18 of Rule No. 41.

There were three small sales transactions (nos. 2465-2467) that SoCalGas believes were reasonable under Section 14, which describes the safe harbor for "Purchases or sales at prices that are outside the ranges specified in Section 13…." On February 5, 2014, Gas Control requested 55,000 dths of Southern System supplies for gas day February 6th after cycle 1 when the ICE Wtd Avg was already established. The requested volume at Ehrenberg was purchased. Some of these suppliers agreed to take the gas back at SoCal Citygate for $11/dth, which was within the safe harbor established by Section 13a (i.e., above $10.75, which is 90% of the ICE Wtd Avg Index). But we could not find buyers for the remaining 20,000 dth at a price within the 13a safe harbor. Section 14 allows SoCalGas to post offers on ICE, so we posted offers on ICE at prices above the posted bids for SoCal Citygate gas. After receiving no responses to our higher offers, SoCalGas executed on the posted bids on ICE to sell the remaining 20,000 dth. The Citygate market significantly trended downwards during this period. The 20,000 dths sold on ICE for $8.05/dth. This was above the price limit allowed under Section 13b for Cycle 3 sales ($7.11/dth), but below the price limit allowed under Section 13a for Cycle 2 sales ($10.75/dth).

Attachment C shows the ICE calculations for the Section 13 purchases and sales. All purchases were in response to System Operator requests for supply as documented in Attachment D.

Gas Control requested 50,000 Dth/d of supplies specifically at Otay Mesa for gas days December 10 and 11, 2013. No supplies were available for purchase at Otay Mesa from ICE or from suppliers who could ship gas to Otay Mesa. Accordingly, the transactions to meet Gas Control's request on that day fall within the provisions of Section 15(2) of Rule No. 41.[7]

In Resolution G-3487, issued on October 7, 2013, the Commission authorized SoCalGas to add a new Section 18 to Rule 41 relating to baseload contracts. This section provides that System Operator winter (December-March) baseload contracts will be deemed reasonable if they meet the criteria specified in the new provision. Consistent with Section 18, SoCalGas purchased 255,000 dth/day for December through February and 240,000 dth/day for March of baseload supplies at Ehrenberg from the four lowest-priced suppliers at an average price of SoCalGas border + 7.7 cents/dth.[8] SoCalGas resold the baseload supplies at the Citygate price after

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[7] *See* Footnote 5 above.
[8] Five other suppliers offered bids at prices between SoCalGas border plus 8 cents and SoCalGas border plus 44 cents. SoCalGas had originally issued an RFO for baseload contracts in early July of 2013, but cancelled the RFO in early October in response to the Commission's approval of Section 18, and instead approached parties that had supplied reliable spot gas at Ehrenberg in the recent past.

transporting the gas at the average BTS rate of 14.1 cents/dth. The net cost of these supplies (purchase price minus sales price plus BTS transport cost) was 13 cents/dth.[9]

Table 2 demonstrates the cost-effectiveness of SoCalGas' baseload contracts for the Southern System:

Table 2			
	Dec 2013 -Mar 2014 Volume	Net Cost ($ Millions)	Net Average Cost ($/Dth)
	(MMDth)		
Baseload	30.4	$ 3.9	$ 0.13
Additional Spot Purchases needed in absence of Baseload	6.1	$ 12.3	$ 2.02
Difference	24.3	($8.4)	($1.89)

The analysis underlying Table 2 is in Attachment E. Put simply, the 30.4 MMDth of baseload purchases at 13 cent/dth net cost allowed SoCalGas to avoid purchasing 6.1 MMDth of spot gas at a significantly higher net cost of $2.02/dth. If SoCalGas had needed to purchase another 6.1 MMDth of spot gas on the days Gas Control called for more supplies (i.e., if the baseload contracts had not been in place) SoCalGas would have incurred another $12.3 million in spot gas cost as shown in Table 2. Therefore, the baseload contracts resulted in net customer savings of $8.4 million.

Confidential Attachment F provides the same information as Attachment B -- details of the purchases and sales summarized in Attachment A – and adds counterparty names. These counterparty names are confidential and being submitted only to the Energy Division pursuant to the confidentiality provisions of General Order 66-C and Section 583 of the Public Utilities Code.

Conclusion

For the reasons set forth above, SoCalGas respectfully requests that the Commission approve the ACR and determine that all of the transactions entered into the SRMA balance for September 1, 2013, through August 31, 2014, are reasonable and subject to amortization in customer transportation rates during 2015.

Protest

Anyone may protest this advice letter to the Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. The protest must be made in writing and must

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[9] Citygate prices were less than border + BTS rates by several cents/dth over this period, which meant the System Operator had to absorb a portion of the BTS transportation costs in addition to the 8 cent premium over the border price for the Ehrenberg baseload purchases.

be received within 20 days of the date of this advice letter, which is October 9, 2014. There is no restriction on who may file a protest. The address for mailing or delivering a protest to the Commission is given below.

> CPUC Energy Division
> Attention: Tariff Unit
> 505 Van Ness Avenue
> San Francisco, CA 94102

Copies of the protest should also be sent via e-mail to the attention of Energy Division Tariff Unit (EDTariffUnit@cpuc.ca.gov). A copy of the protest should also be sent via both e-mail <u>and</u> facsimile to the address shown below on the same date it is mailed or delivered to the Commission.

> Attn: Sid Newsom
> Tariff Manager - GT14D6
> 555 West Fifth Street
> Los Angeles, CA 90013-1011
> Facsimile No. (213) 244-4957
> E-mail: snewsom@SempraUtilities.com

Effective Date

The Settlement Agreement in A.08-02-001, which was approved by D.09-11-006, directed that this filing be classified as Tier 3 pursuant to GO 96-B. SoCalGas respectfully requests that this filing be approved on or before the Commission meeting of November 6, 2014.

Notice

A copy of this AL is being sent to SoCalGas' GO 96-B service list and the Commission's service list in A. 11-11-002, the 2013 SoCalGas/SDG&E TCAP. Address change requests to the GO 96-B should be directed by electronic mail to tariffs@socalgas.com or call 213-244-3387. For changes to all other service lists, please contact the Commission's Process Office at 415-703-2021 or by electronic mail at process_office@cpuc.ca.gov

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Rasha Prince
Director- Regulatory Affairs

Attachments

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY
ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No. SOUTHERN CALIFORNIA GAS COMPANY (U 9O4G)

Utility type: ☐ ELC ☒ GAS ☐ PLC ☐ HEAT ☐ WATER	Contact Person: Sid Newsom Phone #: (213) 244-2846 E-mail: SNewsom@semprautilities.com
EXPLANATION OF UTILITY TYPE ELC = Electric GAS = Gas PLC = Pipeline HEAT = Heat WATER = Water	(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 4690

Subject of AL: 2014 Annual Compliance Report on Utility System Operator's Southern System Reliability Purchases and Sales

Keywords (choose from CPUC listing): Procurement

AL filing type: ☐ Monthly ☐ Quarterly ☒ Annual ☐ One-Time ☐ Other

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #:

D.09-11-006 and Resolution G-3480

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL   No

Summarize differences between the AL and the prior withdrawn or rejected AL[1]: N/A

Does AL request confidential treatment? If so, provide explanation: ~~Yes, Attachment F is~~ confidential because it contains customer-specific information.

Resolution Required? ☒ Yes ☐ No   **Tier Designation:** ☐ 1 ☐ 2 ☒ 3

Requested effective date: 11/20/14   **No. of tariff sheets: 0**

Estimated system annual revenue effect: (%):   N/A

Estimated system average rate effect (%):   N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: None

Service affected and changes proposed[1]:   N/A

Pending advice letters that revise the same tariff sheets: None

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division	**Southern California Gas Company**
Attention: Tariff Unit	**Attention: Sid Newsom**
505 Van Ness Ave.,	**555 West 5th Street, GT14D6**
San Francisco, CA 94102	**Los Angeles, CA 90013-1011**
EDTariffUnit@cpuc.ca.gov	**SNewsom@semprautilities.com**
	tariffs@socalgas.com

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[1] Discuss in AL if more space is needed.

ATTACHMENT A

Advice No. 4690

SUMMARY OF PURCHASES/SALES

Southern System Minimum Flow Purchases
September 2013 thru August 2014

Southern System Minimum Flow Purchases
Summary September 2013 thru August 2014

Month	Request (Dth)	Purchases Quantity (Dth)	In-Kind (Dth)	Net (Dth)	$ Amt	Sales Quantity (Dth)	$ Amt	Sub-Total Net Cost $	Transport $ amt	Total Cost $
Sep-13	2,611,000	2,585,000	4,965	2,580,035	$10,814,745	2,580,034	($10,212,017)	$602,728	$70,054	$672,782
Oct-13	353,000	352,797	970	351,827	$1,406,886	351,815	($1,383,330)	$23,556	$40,317	$63,873
Nov-13	1,797,000	1,700,614	4,677	1,695,937	$6,910,932	1,628,888	($6,346,316)	$564,616	$207,254	$771,870
Dec-13	8,461,000	8,385,951	24,366	8,361,585	$34,117,585	8,428,648	($34,136,379)	-$18,794	$1,192,029	$1,173,235
Jan-14	8,246,000	8,219,551	27,111	8,192,440	$38,443,622	8,192,438	($38,226,077)	$217,545	$1,166,463	$1,384,008
Feb-14	8,191,000	8,168,397	26,943	8,141,454	$52,339,239	8,141,452	($45,221,908)	$7,117,331	$1,160,580	$8,277,911
Mar-14	7,466,000	7,460,590	24,622	7,435,968	$40,202,297	7,435,993	($40,724,940)	($522,643)	$1,059,126	$536,483
Apr-14	0	0	0	0	$0	0	$0	$0	$0	$0
May-14	0	0	0	0	$0	0	$0	$0	$0	$0
Jun-14	0	0	0	0	$0	0	$0	$0	$0	$0
Jul-14	92,000	92,000	118	91,882	$460,600	91,859	($453,679)	$6,921	$14,155	$21,076
Aug-14	123,000	95,122	122	95,000	$446,543	95,000	($426,650)	$19,893	$11,400	$31,293
Total =>	37,340,000	37,060,022	113,894	36,946,128	$185,142,449	36,946,127	($177,131,296)	$8,011,153	$4,921,378	$12,932,531

ATTACHMENT B

Advice No. 4690

TRANSACTIONS, PUBLIC

Southern System Minimum Flow Purchase/Sale
NP = Not Purchased

Notification Minimum Flow			PURCHASE								SALE						Net $ $Purchase minus $Sale
Date notified	Flow Date	Amt needed (Dths)	TC#	Amt (Dths)	BTS inkind	Net Amt flowed	Purchase Price $/dth	Rule 41 Limit $/dth	$Amt	BTS Charge	Flow Date	TC#	Amt (Dths)	Sale Price $/dth	Rule 41 Limit $/dth	$Amt	
8/30/13	9/1/13	50,000	2136	50,000	96	49,904	$4.0900	Within Sec 13	$204,500	$1,497	9/4/13	2138	50,000	$4.0150	Within Sec 13	$200,750	
8/31/13	9/1/13	26,000															
8/30/13	9/2/13	50,000	2136	50,000	96	49,904	$4.0900	Within Sec 13	$204,500	$1,497	9/4/13	2138	103,000	$4.0150	Within Sec 13	$413,545	
9/1/13	9/2/13	53,000	2149	53,000	102	52,898	$4.1000	Within Sec 13	$217,300	$1,587							
8/30/13	9/3/13	131,000	2137	131,000	252	130,748	$4.0900	Within Sec 13	$535,790	$3,922	9/4/13	2138	66,999	$4.0150	Within Sec 13	$269,001	
9/3/13	9/3/13	46,000	2150	46,000	88	45,912	$4.1900	Within Sec 13	$192,740	$1,377	9/5/13	2153	110,000	$4.0450	Within Sec 13	$444,950	
9/3/13	9/4/13	267,000	2151	65,000	125	64,875	$4.2800	Within Sec 13	$278,200	$1,946	9/5/13	2153	260,000	$4.0450	Within Sec 13	$1,051,700	
			2152	202,000	388	201,612	$4.3000	Within Sec 13	$868,600	$6,048	9/6/13	2158	7,000	$4.0600	Within Sec 13	$28,420	
9/4/13	9/5/13	311,000	2154	31,500	60	31,440	$4.1500	Within Sec 13	$130,725	$943	9/6/13	2158	143,000	$4.0600	Within Sec 13	$580,580	
			2155	25,000	48	24,952	$4.1500	Within Sec 13	$103,750	$749	9/6/13	2159	237,000	$4.0600	Within Sec 13	$962,220	
			2156	70,000	135	69,865	$4.3500	Within Sec 13	$304,500	$2,096							
			2157	184,500	355	184,145	$4.4700	Within Sec 14	$824,715	$5,524							
9/4/13	9/5/13	69,000	2161	69,000	132	68,868	$4.3100	Within Sec 13	$297,390	$2,066							
9/4/13	9/6/13	337,000	2160	337,000	648	336,352	$4.0559	Within Sec 13	$1,366,838	$0	9/6/13	2159	323,000	$4.0600	Within Sec 13	$1,311,380	
9/5/13	9/6/13	282,000	2162	44,300	85	44,215	$4.2500	Within Sec 13	$188,275	$0	9/7/13	2168	90,000	$3.9000	Within Sec 13	$351,000	
			2163	51,000	98	50,902	$4.2600	Within Sec 13	$217,260	$0	9/8/13	2172	60,000	$3.9000	Within Sec 13	$234,000	
			2164	25,000	48	24,952	$4.2600	Within Sec 13	$106,500	$0	9/10/13	2173	166,000	$3.8650	Within Sec 13	$641,590	
			2165	72,000	138	71,862	$4.2700	Within Sec 13	$307,440	$0							
			2166	89,700	172	89,528	$4.3000	Within Sec 13	$385,710	$0							
9/5/13	9/6/13	21,000	2167	21,000	40	20,960	$4.3000	Within Sec 13	$90,300	$0							
9/6/13	9/7/13	144,000	2169	144,000	276	143,724	$4.1000	Within Sec 13	$590,400	$0	9/10/13	2173	144,000	$3.8650	Within Sec 13	$556,560	
9/6/13	9/8/13	140,000	2170	140,000	269	139,731	$4.1000	Within Sec 13	$574,000	$0	9/10/13	2173	140,000	$3.8650	Within Sec 13	$541,100	
9/6/13	9/9/13	201,000	2171	201,000	386	200,614	$4.1000	Within Sec 13	$824,100	$0	9/10/13	2173	150,000	$3.8650	Within Sec 13	$579,750	
											9/7/13	2174	20,000	$3.9000	Within Sec 13	$78,000	
											9/8/13	2175	27,964	$3.9000	Within Sec 13	$109,060	
9/9/13	9/10/13	118,000	2177	60,000	116	59,884	$4.0500	Within Sec 13	$243,000	$0	9/12/13	2180	40,000	$3.8200	Within Sec 13	$152,800	
			2178	22,600	43	22,557	$4.0500	Within Sec 13	$91,530	$0	9/12/13	2183	77,774	$3.8200	Within Sec 13	$297,097	
			2179	35,400	68	35,332	$4.1300	Within Sec 13	$146,202	$0							
9/10/13	9/11/13	68,000	2181	20,000	38	19,962	$3.9500	Within Sec 13	$79,000	$0	9/12/13	2183	62,226	$3.8200	Within Sec 13	$237,703	
			2182	48,000	93	47,907	$4.0000	Within Sec 13	$192,000	$0	9/12/13	2185	5,600	$3.8400	Within Sec 13	$21,504	
9/16/13	9/17/13	97,000	2187	25,000	48	24,952	$4.3000	Within Sec 14	$107,500	$3,434	9/19/13	2191	97,000	$3.8750	Within Sec 13	$375,875	
			2188	72,000	138	71,862	$4.3200	Within Sec 14	$311,040	$9,891							
							$4.3900	60,000 dths NP									
							$4.5000	27,000 dths NP									
9/17/13	9/18/13	114,000	2189	80,000	154	79,846	$4.1600	Within Sec 13	$332,800	$10,990	9/19/13	2191	103,000	$3.8750	Within Sec 13	$399,125	
			2190	34,000	65	33,935	$4.2000	Within Sec 13	$142,800	$4,671	9/20/13	2195	11,000	$3.8800	Within Sec 13	$42,680	
9/18/13	9/19/13	86,000	2192	52,000	100	51,900	$4.1200	Within Sec 13	$214,240	$7,144	9/20/13	2195	85,471	$3.8800	Within Sec 13	$331,627	
			2193	34,000	65	33,935	$4.1500	Within Sec 13	$141,100	$4,671							
10/1/13	10/2/13	35,000	2206	35,000	96	34,904	$3.7000	Within Sec 13	$129,500	$2,443	10/4/13	2207	34,904	$3.6700	Within Sec 13	$128,098	
10/14/13	10/15/13	16,000	2213	15,797	43	15,754	$3.9600	Within Sec 13	$62,556	$1,733	10/17/13	2216	15,956	$4.1100	Within Sec 13	$65,579	
10/20/13	10/21/13	20,000	2222	20,000	55	19,945	$3.9500	Within Sec 13	$79,000	$2,393	10/23/13	2226	20,000	$3.9200	Within Sec 13	$78,400	
10/21/13	10/22/13	104,000	2224	20,000	55	19,945	$3.9500	Within Sec 13	$79,000	$2,393	10/23/13	2226	100,000	$3.9200	Within Sec 13	$392,000	
			2225	84,000	231	83,769	$4.0900	Within Sec 13	$343,560	$10,052	10/24/13	2228	4,000	$3.9750	Within Sec 13	$15,900	
10/22/13	10/23/13	105,000	2227	105,000	289	104,711	$3.9900	Within Sec 13	$418,950	$12,565	10/24/13	2228	96,000	$3.9750	Within Sec 13	$381,600	
											10/24/13	2233	9,000	$3.9750	Within Sec 13	$35,775	
10/23/13	10/24/13	73,000	2231	15,000	41	14,959	$4.0000	Within Sec 13	$60,000	$1,795	10/24/13	2233	71,000	$3.9750	Within Sec 13	$282,225	
			2232	58,000	160	57,840	$4.0400	Within Sec 13	$234,320	$6,941	10/30/13	2235	955	$3.9300	Within Sec 13	$3,753	
11/3/13	11/4/13	113,000	2236	113,000	311	112,689	$3.7700	Within Sec 13	$426,010	$15,511	11/4/13	2237	112,689	$3.6750	Within Sec 13	$414,132	
11/4/13	11/5/13	109,000	2240	70,000	193	69,807	$3.8500	Within Sec 13	$269,500	$9,608	11/5/13	2243	108,712	$3.6750	Within Sec 13	$399,517	
			2241	20,000	55	19,945	$3.7500	Within Sec 13	$75,000	$2,745							
			2242	19,000	52	18,948	$3.8000	Within Sec 13	$72,200	$2,608							
11/5/13	11/6/13	35,000	2244	30,000	83	29,917	$3.6500	Within Sec 13	$109,500	$4,118	11/6/13	2246	10,000	$3.7950	Within Sec 13	$37,950	
			2245	5,000	13	4,987	$3.7000	Within Sec 13	$18,500	$686	11/6/13	2247	24,000	$3.7900	Within Sec 13	$90,960	
11/7/13	11/8/13	38,000	2250	38,000	105	37,895	$3.8700	Within Sec 13	$147,060	$5,216	11/7/13	2249	5,000	$3.8700	Within Sec 13	$19,350	
11/7/13	11/8/13	20,000	2252	20,000	54	19,946	$3.9500	Within Sec 13	$79,000	$2,745	11/8/13	2251	33,799	$3.8000	Within Sec 13	$128,436	
											11/11/13	2254	20,000	$3.8500	Within Sec 13	$77,000	

Southern System Minimum Flow Purchase/Sale
NP = Not Purchased

Date notified	Flow Date	Amt needed (Dths)	TC#	Amt (Dths)	BTS inkind	Net Amt flowed	Purchase Price $/dth	Rule 41 Limit $/dth	$Amt	BTS Charge	Flow Date	TC#	Amt (Dths)	Sale Price $/dth	Rule 41 Limit $/dth	$Amt	Net $ $Purchase minus $Sale
11/10/13	11/11/13	83,000	2253	83,000	228	82,772	$3.8900	Within Sec 13	$322,870	$11,393	11/11/13	2254	82,716	$3.8500	Within Sec 13	$318,457	
11/12/13	11/13/13	37,000	2255	37,000	102	36,898	$3.8100	Within Sec 13	$140,970	$5,079	11/13/13	2256	36,898	$3.9100	Within Sec 13	$144,271	
11/17/13	11/18/13	108,000	2270	105,500	290	105,210	$3.9200	Within Sec 13	$413,560	$14,481	11/19/13	2275	79,780	$3.8850	Within Sec 13	$309,945	
			2271	2,500	7	2,493	$3.8500	Within Sec 13	$9,625	$343	11/20/13	2281	27,705	$3.8100	Within Sec 13	$105,556	
11/18/13	11/19/13	80,000	2273	25,000	69	24,931	$3.9000	Within Sec 13	$97,500	$3,432	11/20/13	2281	80,000	$3.8100	Within Sec 13	$304,800	
			2274	55,000	151	54,849	$3.9500	Within Sec 13	$217,250	$7,549						$0	
11/19/13	11/20/13	83,000	2287	65,000	179	64,821	$3.8400	Within Sec 13	$249,600	$8,922	11/20/13	2289	82,000	$3.7700	Within Sec 13	$309,140	
			2288	18,000	49	17,951	$3.9000	Within Sec 13	$70,200	$2,471							
11/20/13	11/21/13	45,000	2292	19,500	54	19,446	$3.8700	Within Sec 13	$75,465	$2,677	11/21/13	2294	44,876	$3.8500	Within Sec 13	$172,773	
			2293	25,500	70	25,430	$3.9200	Within Sec 13	$99,960	$3,500						$0	
11/21/13	11/22/13	139,000	2302	55,000	151	54,849	$3.8500	Within Sec 13	$211,750	$6,033	11/22/13	2306	9,973	$3.9300	Within Sec 13	$39,194	
			2303	10,000	28	9,972	$3.9000	Within Sec 13	$39,000	$1,097	11/22/13	2307	55,000	$3.8900	Within Sec 13	$213,950	
			2304	65,000	179	64,821	$3.9400	Within Sec 13	$256,100	$7,130	11/22/13	2308	74,416	$3.8800	Within Sec 13	$288,734	
			2305	9,000	24	8,976	$4.0300	Within Sec 13	$36,270	$987							
11/22/13	11/23/13	101,000	2312	20,000	55	19,945	$3.8700	Within Sec 13	$77,400	$2,194	11/23/13	2317	51,000	$3.9700	Within Sec 13	$202,470	
			2313	30,000	83	29,917	$4.0500	Within Sec 13	$121,500	$3,291	11/24/13	2319	51,000	$3.9700	Within Sec 13	$202,470	
			2316	51,000	140	50,860	$4.1100	Within Sec 13	$209,610	$5,595							
11/22/13	11/24/13	101,000	2314	50,000	138	49,862	$4.0500	Within Sec 13	$202,500	$5,485	11/25/13	2321	95,000	$3.9700	Within Sec 13	$377,150	
			2318	51,000	140	50,860	$4.1100	Within Sec 13	$209,610	$5,595	11/26/13	2323	30,000	$4.0300	Within Sec 13	$120,900	
11/23/13	11/24/13	25,000	2322	24,858	68	24,790	$3.8700	Within Sec 13	$96,200	$2,727							
11/22/13	11/25/13	150,000	2315	55,000	151	54,849	$4.0500	Within Sec 13	$222,750	$6,033	11/26/13	2323	130,000	$4.0300	Within Sec 13	$523,900	
			2320	95,000	261	94,739	$4.1100	Within Sec 13	$390,450	$10,421	11/25/13	2325	75,000	$4.0500	Within Sec 13	$303,750	
11/24/13	11/25/13	157,000	2324	75,000	207	74,793	$4.9500	Within Sec 14	$371,250	$8,227	11/26/13	2328	20,000	$4.0325	Within Sec 13	$80,650	
			2326	7,520	21	7,499	$4.8000	Within Sec 14	$36,096	$825	11/26/13	2330	24,000	$4.0300	Within Sec 13	$96,720	
			2327	15,000	41	14,959	$4.6300	Within Sec 14	$69,450	$1,645							
11/25/13	11/26/13	217,000	2329	80,000	220	79,780	$4.4300	Within Sec 14	$354,400	$8,776	11/26/13	2330	55,780	$4.0300	Within Sec 13	$224,793	
			2331	70,000	193	69,807	$4.5000	Within Sec 14	$315,000	$7,679	11/26/13	2336	9,973	$4.0300	Within Sec 13	$40,191	
			2332	10,000	28	9,972	$4.5500	Within Sec 14	$45,500	$1,097	11/27/13-11/30/13	2341	140,000	$4.0050	Within Sec 13	$560,700	
			2333	15,000	41	14,959	$4.3000	Within Sec 13	$64,500	$1,645							
			2334	15,000	41	14,959	$4.2400	Within Sec 13	$63,600	$1,645							
			2335	10,000	27	9,973	$4.2500	Within Sec 13	$42,500	$1,097							
			2337	10,000	28	9,972	$4.5200	Within Sec 14	$45,200	$1,097							
			2338	7,000	19	6,981	$4.7800	Within Sec 14	$33,460	$768							
11/25/13	11/26/13	41,000	2339	4,500	12	4,488	$4.4000	Within Sec 13	$19,800	$494							
11/26/13	11/27/13	115,000	2342	10,000	28	9,972	$3.9900	Within Sec 13	$39,900	$1,097	11/27/13	2344	14,695	$4.0050	Within Sec 13	$58,853	
			2343	14,736	41	14,695	$4.0700	Within Sec 13	$59,976	$1,616	11/27/13	2346	19,945	$4.0050	Within Sec 13	$79,880	
			2345	20,000	55	19,945	$4.2000	Within Sec 13	$84,000	$2,194	11/27/13	2350	24,931	$4.0000	Within Sec 13	$99,724	
			2347	25,000	69	24,931	$4.2500	Within Sec 13	$106,250	$2,742							
			2348	9,500	25	9,475	$4.2500	Within Sec 13	$40,375	$1,042							
			2349	25,000	69	24,931	$4.2500	Within Sec 13	$106,250	$2,742							
			2351	10,500	29	10,471	$4.4300	Within Sec 14	$46,515	$1,152							
											12/1/13-12/2/13	2352	60,000	$4.0100	Within Sec 13	$240,600	
											12/6/13	2358	7,060	$4.3400	Within Sec 13	$30,640	
12/5/13	12/6/13	61,000	2360	15,000	41	14,959	$5.0000	Within Sec 14	$75,000	$2,059	12/6/13	2364	55,000	$4.3850	Within Sec 13	$241,175	
			2361	10,000	28	9,972	$5.5000	Within Sec 14	$55,000	$1,373	12/7/13-12/9/13	2367	21,000	$4.6450	Within Sec 13	$97,545	
			2362	30,100	83	30,017	$5.6000	Within Sec 14	$168,560	$4,132	12/10/13	2369	3,000	$7.3000	Within Sec 13	$21,900	
			2363	1,967	5	1,962	$5.4000	Within Sec 14	$10,622	$270							
12/5/13	12/6/13	26,000	2365	9,935	27	9,908	$6.1000	Within Sec 14	$60,604	$1,364							
			2366	12,000	33	11,967	$7.0000	Within Sec 14	$84,000	$1,647							
							$7.0500	10,000 dths NP									
							$8.0000	22,000 dths NP									
12/9/13	12/9/13	60,000	2370	2,665	7	2,658	$7.5000	Within Sec 13	$19,988	$366	12/10/13	2369	5,000	$7.3000	Within Sec 13	$36,500	
			2371	2,022	6	2,016	$7.6000	Within Sec 13	$15,367	$277						$0	
			2373	270	1	269	$8.0000	Within Sec 13	$2,160	$37						$0	
12/9/13	12/10/13	103,000	2368	102,999	283	102,716	$7.6800	Within Sec 13	$791,032	$14,138	12/10/13	2369	94,716	$7.3000	Within Sec 13	$691,427	
											12/9/13	2372	15,000	$7.4000	Within Sec 13	$111,000	
12/10/13	12/10/13	50,000	2375	48,000	776	47,224	$8.3000	Within Sec 15	$398,400	$6,500	12/9/13	2374	2,000	$6.5000	Within Sec 13	$13,000	
											12/10/13	2376	38,224	$7.4000	Within Sec 13	$282,858	
12/10/13	12/11/13	105,000	2377	74,999	206	74,793	$6.0000	Within Sec 13	$449,994	$10,295	12/10/13	2376	9,000	$7.4000	Within Sec 13	$66,600	

Southern System Minimum Flow Purchase/Sale
NP = Not Purchased

Notification Minimum Flow			PURCHASE								SALE						Net $ $Purchase minus $Sale
Date notified	Flow Date	Amt needed (Dths)	TC#	Amt (Dths)	BTS inkind	Net Amt flowed	Purchase Price $/dth	Rule 41 Limit $/dth	$Amt	BTS Charge	Flow Date	TC#	Amt (Dths)	Sale Price $/dth	Rule 41 Limit $/dth	$Amt	
			2379	29,999	82	29,917	$6.3000	Within Sec 13	$188,994	$4,118	12/11/13	2378	74,793	$5.2500	Within Sec 13	$392,663	
12/10/13	12/11/13	50,000	2381	25,000	403	24,597	$5.8000	Within Sec 15	$145,000	$3,386	12/11/13	2380	29,917	$5.0000	Within Sec 13	$149,585	
			2383	8,000	130	7,870	$6.5000	Within Sec 15	$52,000	$1,083	12/11/13	2382	24,597	$5.2000	Within Sec 13	$127,904	
			2385	17,000	275	16,725	$7.2500	Within Sec 15	$123,250	$2,302	12/11/13	2384	7,870	$5.1500	Within Sec 13	$40,531	
											12/11/13	2386	7,725	$5.0000	Within Sec 13	$38,625	
12/11/13	12/12/13	25,000	2387	25,000	69	24,931	$5.0000	Within Sec 13	$125,000	$3,432	12/11/13	2386	9,000	$5.0000	Within Sec 13	$45,000	
											12/12/13	2388	15,931	$4.7000	Within Sec 13	$74,876	
12/17/13	12/18/13	47,000	2395	27,000	74	26,926	$4.5700	Within Sec 13	$123,390	$3,706	12/12/13	2388	9,000	$4.7000	Within Sec 13	$42,300	
			2397	20,000	55	19,945	$4.4900	Within Sec 13	$89,800	$2,745	12/18/13	2396	37,000	$4.4800	Within Sec 13	$165,760	
12/30/13	12/31/13	29,000	2401	29,000	80	28,920	$4.8000	Within Sec 13	$139,200	$3,981	12/31/13	2402	29,520	$4.5000	Within Sec 13	$132,840	
1/1/14	1/2/14	65,000	2403	25,000	82	24,918	$4.6000	Within Sec 13	$115,000	$3,547	1/3/14	2405	64,784	$4.5650	Within Sec 13	$295,739	
			2404	38,602	128	38,474	$4.8000	Within Sec 13	$185,290	$5,476							
1/6/14	1/7/14	110,000	2406	20,000	66	19,934	$6.0000	Within Sec 14	$120,000	$2,837	1/7/14	2408	24,918	$4.5500	Within Sec 13	$113,377	
			2407	25,000	82	24,918	$5.7500	Within Sec 13	$143,750	$3,547	1/10/14	2413	83,325	$4.4200	Within Sec 13	$368,297	
			2409	7,000	23	6,977	$5.5000	Within Sec 13	$38,500	$993							
			2410	13,850	46	13,804	$5.6000	Within Sec 13	$77,560	$1,965							
			2411	20,000	66	19,934	$6.5000	Within Sec 14	$130,000	$2,837							
			2412	24,150	80	24,070	$6.5000	Within Sec 14	$156,975	$3,426							
1/9/14	1/10/14	20,000	2414	20,000	66	19,934	$4.3800	Within Sec 13	$87,600	$2,837	1/14/14	2416	19,934	$4.4500	Within Sec 13	$88,706	
1/13/14	1/14/14	42,000	2415	42,000	139	41,861	$4.5000	Within Sec 13	$189,000	$5,958	1/14/14	2416	40,066	$4.4500	Within Sec 13	$178,294	
1/22/14	1/23/14	15,000	2423	15,000	49	14,951	$5.2500	Within Sec 13	$78,750	$2,128	1/24/14	2424	14,500	$4.9800	Within Sec 13	$72,210	
1/23/14	1/24/14	22,000		0	0	0			$0								
1/23/14	1/24/14	13,000	2425	13,000	43	12,957	$5.4000	Within Sec 13	$70,200	$1,844	1/24/14	2426	12,957	$5.0200	Within Sec 13	$65,044	
1/26/14	1/27/14	54,000	2427	13,000	43	12,957	$5.2350	Within Sec 13	$68,055	$1,844	1/27/14	2428	12,957	$4.9650	Within Sec 13	$64,332	
			2429	5,000	16	4,984	$5.6000	Within Sec 14	$28,000	$709	1/28/14	2432	43,000	$5.0550	Within Sec 13	$217,365	
			2430	20,000	66	19,934	$6.3000	Within Sec 14	$126,000	$2,837	1/31/14	2435	111	$5.2500	Within Sec 13	$583	
			2431	16,000	53	15,947	$7.0000	Within Sec 14	$112,000	$2,270							
2/3/14	2/3/14	45,000	2437	25,000	83	24,917	$5.7000	Within Sec 13	$142,500	$3,546	2/3/14	2438	24,917	$5.3000	Within Sec 13	$132,060	
			2439	15,000	49	14,951	$7.3500	Within Sec 14	$110,250	$2,128	2/4/14	2442	14,950	$6.0500	Within Sec 13	$90,448	
			2440	0	0	0	$8.0000	Within Sec 14	$0							$0	
			5K dths offered by supplier were cut by Upstream Operator														
2/3/14	2/4/14	68,000	2441	34,838	115	34,723	$6.8000	Within Sec 13	$236,898	$4,942	2/4/14	2442	22,925	$6.0500	Within Sec 13	$138,696	
			2443	5,000	16	4,984	$6.9500	Within Sec 14	$34,750	$709	2/5/14	2445	41,000	$7.3750	Within Sec 13	$302,375	
			2444	24,449	81	24,368	$7.0000	Within Sec 14	$171,143	$3,468						$0	
2/4/14	2/5/14	127,000	2448	10,000	33	9,967	$9.0000	Within Sec 13	$90,000	$1,419	2/5/14	2445	8,000	$7.3750	Within Sec 13	$59,000	
			2449	50,000	165	49,835	$11.0000	Within Sec 14	$550,000	$7,093	2/5/14	2451	30,000	$7.0500	Within Sec 13	$211,500	
			2450	30,000	99	29,901	$11.7500	Within Sec 14	$352,500	$4,256	2/6/14	2452	25,000	$11.7700	Within Sec 13	$294,250	
			2453	37,000	122	36,878	$12.0000	Within Sec 14	$444,000	$5,249	2/7/14	2455	63,000	$7.3400	Within Sec 13	$462,420	
2/5/14	2/6/14	55,000	2456	20,000	66	19,934	$25.0000	Within Sec 14	$500,000	$2,837	2/6/14	2458	4,984	$11.0000	Within Sec 13	$54,824	
			2457	5,000	16	4,984	$27.0000	Within Sec 14	$135,000	$709	2/6/14	2460	9,967	$11.0000	Within Sec 13	$109,637	
			2459	10,000	33	9,967	$29.0000	Within Sec 14	$290,000	$1,419	2/6/14	2462	4,984	$11.0000	Within Sec 13	$54,824	
			2461	5,000	16	4,984	$31.2500	Within Sec 14	$156,250	$709	2/6/14	2464	14,951	$11.0000	Within Sec 13	$164,461	
			2463	15,000	50	14,950	$33.0000	Within Sec 14	$495,000	$2,128	2/6/14	2465	5,000	$8.0500	Within Sec 14	$40,250	
2/6/14	2/6/14	155,000	2468	23,919	79	23,840	$15.0000	Within Sec 13	$358,785	$3,393	2/6/14	2466	10,000	$8.0500	Within Sec 14	$80,500	
			2469	20,000	66	19,934	$25.0000	Within Sec 13	$500,000	$2,837	2/6/14	2467	5,000	$8.0500	Within Sec 14	$40,250	
			2471	21,000	70	20,930	$29.0000	Within Sec 14	$609,000	$2,979	2/6/14	2470	19,934	$10.0000	Within Sec 13	$199,340	
			2472	80,000	264	79,736	$29.0000	Within Sec 14	$2,320,000	$11,349	2/6/14	2473	79,736	$10.0000	Within Sec 13	$797,360	
			2474	9,000	30	8,970	$29.0000	Within Sec 14	$261,000	$1,277	2/6/14	2475	8,970	$10.0000	Within Sec 13	$89,700	
											2/7/14	2850	46,000	$10.0000	Within Sec 13	$460,000	
2/6/14	2/7/14	255,000	2476	3,000	10	2,990	$14.0000	Within Sec 14	$42,000	$426	2/7/14	2850	95,531	$10.0000	Within Sec 13	$955,310	
			2477	40,000	132	39,868	$14.5000	Within Sec 14	$580,000	$5,674	2/7/14	2482	14,950	$10.0000	Within Sec 13	$149,500	
			2478	55,000	181	54,819	$16.5000	Within Sec 14	$907,500	$7,802	2/6/14	2483	2,000	$10.0000	Within Sec 13	$20,000	
			2479	142,000	469	141,531	$17.0000	Within Sec 14	$2,414,000	$20,144	2/8/14-2/10/14	2484	141,000	$6.5200	Within Sec 13	$919,320	
			2481	14,999	49	14,950	$20.0000	Within Sec 14	$299,980	$2,128						$0	
2/9/14	2/10/14	91,000	2485	20,000	66	19,934	$8.5000	Within Sec 14	$170,000	$2,837	2/10/14	2486	19,934	$6.0000	Within Sec 13	$119,604	
			2487	25,000	82	24,918	$9.5000	Within Sec 14	$237,500	$3,547	2/10/14	2488	24,918	$6.5000	Within Sec 13	$161,967	
			2489	20,000	66	19,934	$9.5000	Within Sec 14	$190,000	$2,837	2/10/14	2491	25,914	$6.0000	Within Sec 13	$155,484	
			2490	26,000	86	25,914	$10.0000	Within Sec 14	$260,000	$3,688	2/10/14	2492	19,934	$6.0000	Within Sec 13	$119,604	
2/10/14	2/11/14	51,000	2493	10,998	36	10,962	$8.2500	Within Sec 13	$90,734	$1,560	2/11/14	2494	10,962	$7.8000	Within Sec 13	$85,504	
			2495	40,000	132	39,868	$8.3000	Within Sec 13	$332,000	$5,674	2/11/14	2496	39,868	$7.8000	Within Sec 13	$310,970	

Southern System Minimum Flow Purchase/Sale
NP = Not Purchased

Notification Minimum Flow			PURCHASE								SALE							Net $ $Purchase minus $Sale
Date notified	Flow Date	Amt needed (Dths)	TC#	Amt (Dths)	BTS inkind	Net Amt flowed	Purchase Price $/dth	Rule 41 Limit $/dth	$Amt	BTS Charge	Flow Date	TC#	Amt (Dths)	Sale Price $/dth	Rule 41 Limit $/dth	$Amt	
2/11/14	2/12/14	138,000	2497	15,000	49	14,951	$7.8300	Within Sec 14	$117,450	$2,128	2/12/14	2498	14,951	$6.0000	Within Sec 13	$89,706	
			2499	19,988	66	19,922	$6.7800	Within Sec 13	$135,519	$2,835	2/12/14	2501	84,720	$6.0000	Within Sec 13	$508,320	
			2500	84,950	281	84,669	$7.7700	Within Sec 14	$660,062	$12,051	2/12/14	2502	37,800	$6.0000	Within Sec 13	$226,800	
			2503	17,988	59	17,929	$8.0000	Within Sec 14	$143,904	$2,552							
2/12/14	2/13/14	66,000	2504	66,000	218	65,782	$5.9700	Within Sec 13	$394,020	$9,363	2/13/14	2505	65,782	$5.3000	Within Sec 13	$348,645	
				0		0			$0		2/27/14	2510	111	$5.4500	Within Sec 13	$605	
3/3/14	3/4/14	26,000	2514	25,976	86	25,890	$8.90	Within Sec 13	$231,186	$3,685	3/4/14	2515	25,915	$8.4500	Within Sec 13	$218,982	
7/1/14	7/1/14	92,000	2529	40,000	52	39,948	$4.93	Within Sec 13	$197,200	$6,154	7/2/14	2532	50,000	$4.9650	Within Sec 13	$248,250	
			2530	15,000	19	14,981	$4.98	Within Sec 13	$74,700	$2,308	7/1/14	2533	25,000	$4.9600	Within Sec 13	$124,000	
			2531	37,000	47	36,953	$5.10	Within Sec 13	$188,700	$5,693	7/3/14	2534	10,000	$4.8300	Within Sec 13	$48,300	
											7/3/14	2535	6,700	$4.8300	Within Sec 13	$32,361	
											7/3/14	2536	159	$4.8300	Within Sec 13	$768	
8/12/14	8/12/14	123,000	2547	31,560	40	31,520	$4.45	Within Sec 13	$140,442	$3,782	8/12/14	2549	40,000	$4.4850	Within Sec 13	$179,400	
			2548	40,000	52	39,948	$4.56	Within Sec 13	$182,400	$4,794	8/12/14	2552	30,000	$4.5000	Within Sec 13	$135,000	
											8/12/14	2553	25,000	$4.4900	Within Sec 13	$112,250	
			2551	23,562	30	23,532	$5.25	Within Sec 13	$123,701	$2,824							

| Total | | 6,950,000 | | 6,701,196 | 18,085 | 6,683,111 | | | $39,846,676 | $606,823 | | | 6,683,109 | | | $31,501,482 | $8,991,789 |

Otay Transport Fees 39,771

BASELOAD PURCHASES:

Notification Minimum Flow			PURCHASE								SALE							Net $ $Purchase minus $Sale
Date notified	Flow Date	Amt needed (Dths)	TC#	Amt (Dths)	inkind	Net Amt flowed	Purchase Price $/dth	Rule 41 Limit $/dth	$Amt	BTS Charge	Flow Date	TC#	Amt (Dths)	Sale Price $/dth	Rule 41 Limit $/dth	$Amt	
December	Daily	7,905,000	2260	4,647,651	12,767	4,634,884	$3.9250	Sec 18	$18,242,030	$638,264	Daily	2261	4,634,884	$3.9500	Sec 18	$18,307,792	
2013	Daily		2262	1,546,998	4,257	1,542,741	$3.9275	Sec 18	$6,075,835	$212,753	Daily	2263	463,941	$3.9500	Sec 18	$1,832,567	
	Daily		2264	1,700,346	4,678	1,695,668	$3.9300	Sec 18	$6,682,360	$234,032	Daily	2266	77,323	$3.9525	Sec 18	$305,619.16	
											Daily	2272	34,022	$3.9500	Sec 18	$134,386.90	
											Daily	2276	928,124	$3.9475	Sec 18	$3,663,769	
											Daily	2277	310,000	$3.9475	Sec 18	$1,223,725	
											Daily	2290	495,001	$3.9475	Sec 18	$1,954,016	
											Daily	2291	930,000	$3.9475	Sec 18	$3,671,175	
January	Daily	7,905,000	2260	4,649,291	15,343	4,633,948	$4.6450	Sec 18	$21,595,957	$659,650	Daily	2261	4,633,948	$4.6700	Sec 18	$21,640,537	
2014	Daily		2262	1,549,712	5,115	1,544,597	$4.6475	Sec 18	$7,202,287	$219,883	Daily	2263	463,450	$4.6700	Sec 18	$2,164,312	
	Daily		2265	463,135	1,514	461,621	$4.6500	Sec 18	$2,153,578	$65,967	Daily	2266	77,500	$4.6725	Sec 18	$362,119	
			2391	1,239,811	4,091	1,235,720	$4.6500	Sec 18	$5,765,121	$175,907	Daily	2389	620,000	$4.6700	Sec 18	$2,895,400	
											Daily	2390	619,996	$4.6700	Sec 18	$2,895,381	
											Daily	2392	1,235,720	$4.6550	Sec 18	$5,752,277	
											Daily	2399	223,200	$4.6650	Sec 18	$1,041,228	
											1/31/14	2434	2,072	$5.2500	Sec 18	$10,878	
February	Daily	7,140,000	2260	4,198,398	13,855	4,184,543	$5.2750	Sec 18	$22,146,549	$595,813	Daily	2261	4,184,543	$5.2500	Sec 18	$21,968,851	
2014	Daily		2262	1,395,376	4,605	1,390,771	$5.2775	Sec 18	$7,364,097	$198,604	Daily	2263	418,304	$5.2500	Sec 18	$2,196,096	
	Daily		2265	413,919	1,353	412,566	$5.2800	Sec 18	$2,185,492	$59,583	Daily	2266	69,992	$5.2525	Sec 18	$367,632.98	
	Daily		2391	1,119,575	3,695	1,115,880	$5.2800	Sec 18	$5,911,356	$158,884	Daily	2392	1,115,880	$5.2350	Sec 18	$5,841,632	
										.	Daily	2419	210,000	$5.2425	Sec 18	$1,100,925	
											Daily	2121	350,000	$5.2425	Sec 18	$1,834,875	
											Daily	2422	753,087	$5.2425	Sec 18	$3,948,059	
											Daily	2511	1,489	$5.4500	Sec 18	$8,115	
											Daily	2512	464	$5.3650	Sec 18	$2,489	
March	Daily	7,440,000	2260	4,649,856	15,345	4,634,511	$5.3750	Sec 18	$24,992,976	$659,650	Daily	2261	4,634,511	$5.4700	Sec 18	$25,350,775	
2014	Daily		2262	1,545,467	5,101	1,540,366	$5.3775	Sec 18	$8,310,749	$219,883	Daily	2263	461,063	$5.4700	Sec 18	$2,522,015	
	Daily		2508	1,239,291	4,090	1,235,201	$5.3800	Sec 18	$6,667,386	$175,907	Daily	2266	77,500	$5.4725	Sec 18	$424,119	
											Daily	2436	310,000	$5.4700	Sec 18	$1,695,700	
											Daily	2446	620,000	$5.4700	Sec 18	$3,391,400	
											Daily	2507	67,618	$5.4700	Sec 18	$369,870	
											Daily	2509	1,235,201	$5.4500	Sec 18	$6,731,845	
											3/18/14	2516	2,000	$4.8400	Sec 18	$9,680	
											3/31/14	2519	2,185	$4.8300	Sec 18	$10,554	

| Total | | 30,390,000 | | 30,358,826 | 95,809 | 30,263,017 | | | $145,295,772 | $4,274,782 | | | 30,263,018 | | | $145,629,815 | $3,940,739 |

Southern System Minimum Flow Purchase/Sale
NP = Not Purchased

Notification Minimum Flow			PURCHASE								SALE						Net $
Date notified	Flow Date	Amt needed (Dths)	TC#	Amt (Dths)	BTS inkind	Net Amt flowed	Purchase Price $/dth	Rule 41 Limit $/dth	$Amt	BTS Charge	Flow Date	TC#	Amt (Dths)	Sale Price $/dth	Rule 41 Limit $/dth	$Amt	$Purchase minus $Sale

	# Transactions	%	$	%
Section 13	115	65	$22,989,851	12%
Section 14	51	29	$16,138,175	9%
Section 15	4	2	$718,650	0%
Section 18	6	3	$145,295,772	78%
Total	176	100	$185,142,448	100%

ATTACHMENT C

Advice No. 4690

ICE PRICES

Date	PURCHASE (SoCal - Ehrenberg) Rule 41, Sec 13 a/b	ICE $/dth	110%	SALE (SoCal - Citygate) Rule 41, Sec 13 a/b	ICE $/dth	90%
9/1-3/13	Sec 13 (a) Wtd Avg	$3.8334	$4.2167	Sec 13 (a) Wtd Avg	$3.8741	$3.4867
	Sec 13 (b) High	$3.8450	$4.2295	Sec 13 (b) Low	$3.8600	$3.4740
9/4/2013	Sec 13 (a) Wtd Avg	$3.9746	$4.3721	Sec 13 (a) Wtd Avg	$4.0156	$3.6140
	Sec 13 (b) High	$3.9900	$4.3890	Sec 13 (b) Low	$3.9800	$3.5820
9/5/2013	Sec 13 (a) Wtd Avg	$4.0132	$4.4145	Sec 13 (a) Wtd Avg	$4.0468	$3.6421
	Sec 13 (b) High	$4.0325	$4.4358	Sec 13 (b) Low	$4.0375	$3.6338
9/6/2013	Sec 13 (a) Wtd Avg	$4.0559	$4.4615	Sec 13 (a) Wtd Avg	$4.0567	$3.6510
	Sec 13 (b) High	$4.1000	$4.5100	Sec 13 (b) Low	$4.0400	$3.6360
9/7/2013 to 09/09/2013	Sec 13 (a) Wtd Avg	$3.9470	$4.3417	Sec 13 (a) Wtd Avg	$3.9493	$3.5544
	Sec 13 (b) High	$3.9500	$4.3450	Sec 13 (b) Low	$3.9400	$3.5460
9/10/2013	Sec 13 (a) Wtd Avg	$3.8651	$4.2516	Sec 13 (a) Wtd Avg	$3.8627	$3.4764
	Sec 13 (b) High	$3.8900	$4.2790	Sec 13 (b) Low	$3.8500	$3.4650
9/11/2013	Sec 13 (a) Wtd Avg	$3.8711	$4.2582	Sec 13 (a) Wtd Avg	$3.8756	$3.4880
	Sec 13 (b) High	$3.8800	$4.2680	Sec 13 (b) Low	$3.8600	$3.4740
9/17/2013	Sec 13 (a) Wtd Avg	$3.8481	$4.2329	Sec 13 (a) Wtd Avg	$3.8750	$3.4875
	Sec 13 (b) High	$3.9000	$4.2900	Sec 13 (b) Low	$3.8600	$3.4740
9/18/2013	Sec 13 (a) Wtd Avg	$3.9715	$4.3687	Sec 13 (a) Wtd Avg	$3.9878	$3.5890
	Sec 13 (b) High	$3.9800	$4.3780	Sec 13 (b) Low	$3.9800	$3.5820
9/19/2013	Sec 13 (a) Wtd Avg	$3.8601	$4.2461	Sec 13 (a) Wtd Avg	$3.8727	$3.4854
	Sec 13 (b) High	$3.8700	$4.2570	Sec 13 (b) Low	$3.8600	$3.4740
10/2/2013	Sec 13 (a) Wtd Avg	$3.6331	$3.9964	Sec 13 (a) Wtd Avg	$3.7272	$3.3545
	Sec 13 (b) High	$3.6450	$4.0095	Sec 13 (b) Low	$3.7100	$3.3390
10/15/2013	Sec 13 (a) Wtd Avg	$3.8602	$4.2462	Sec 13 (a) Wtd Avg	$3.9906	$3.5915
	Sec 13 (b) High	$3.8700	$4.2570	Sec 13 (b) Low	$3.9700	$3.5730
10/19/2013 to 10/21/2013	Sec 13 (a) Wtd Avg	$3.7826	$4.1609	Sec 13 (a) Wtd Avg	$3.9216	$3.5294
	Sec 13 (b) High	$3.8000	$4.1800	Sec 13 (b) Low	$3.9100	$3.5190

Date	PURCHASE (SoCal - Ehrenberg) Rule 41, Sec 13 a/b	ICE $/dth	110%	SALE (SoCal - Citygate) Rule 41, Sec 13 a/b	ICE $/dth	90%
10/22/2013	Sec 13 (a) Wtd Avg	$3.9139	$4.3053	Sec 13 (a) Wtd Avg	$4.0348	$3.6313
	Sec 13 (b) High	$3.9400	$4.3340	Sec 13 (b) Low	$4.0100	$3.6090
10/23/2013	Sec 13 (a) Wtd Avg	$3.8023	$4.1825	Sec 13 (a) Wtd Avg	$3.9169	$3.5252
	Sec 13 (b) High	$3.8300	$4.2130	Sec 13 (b) Low	$3.9000	$3.5100
10/24/2013	Sec 13 (a) Wtd Avg	$3.8244	$4.2068	Sec 13 (a) Wtd Avg	$3.9758	$3.5782
	Sec 13 (b) High	$3.8450	$4.2295	Sec 13 (b) Low	$3.9600	$3.5640
11/1/2013 to 11/04/2013	Sec 13 (a) Wtd Avg	$3.4629	$3.8092	Sec 13 (a) Wtd Avg	$3.6637	$3.2973
	Sec 13 (b) High	$3.4700	$3.8170	Sec 13 (b) Low	$3.6400	$3.2760
11/5/2013	Sec 13 (a) Wtd Avg	$3.5451	$3.8996	Sec 13 (a) Wtd Avg	$3.6793	$3.3114
	Sec 13 (b) High	$3.5500	$3.9050	Sec 13 (b) Low	$3.6600	$3.2940
11/6/2013	Sec 13 (a) Wtd Avg	$3.5551	$3.9106	Sec 13 (a) Wtd Avg	$3.6838	$3.3154
	Sec 13 (b) High	$3.5700	$3.9270	Sec 13 (b) Low	$3.6700	$3.3030
11/8/2013	Sec 13 (a) Wtd Avg	$3.6300	$3.9930	Sec 13 (a) Wtd Avg	$3.8022	$3.4220
	Sec 13 (b) High	$3.6500	$4.0150	Sec 13 (b) Low	$3.7900	$3.4110
11/9/2013 To 11/11/2013	Sec 13 (a) Wtd Avg	$3.5976	$3.9574	Sec 13 (a) Wtd Avg	$3.7161	$3.3445
	Sec 13 (b) High	$3.6500	$4.0150	Sec 13 (b) Low	$3.6700	$3.3030
11/13/2013	Sec 13 (a) Wtd Avg	$3.7560	$4.1316	Sec 13 (a) Wtd Avg	$3.9136	$3.5222
	Sec 13 (b) High	$3.7800	$4.1580	Sec 13 (b) Low	$3.8900	$3.5010
11/16/2013 To 11/18/2013	Sec 13 (a) Wtd Avg	$3.5773	$3.9350	Sec 13 (a) Wtd Avg	$3.6795	$3.3116
	Sec 13 (b) High	$3.6400	$4.0040	Sec 13 (b) Low	$3.6400	$3.2760
11/19/2013	Sec 13 (a) Wtd Avg	$3.7448	$4.1193	Sec 13 (a) Wtd Avg	$3.9189	$3.5270
	Sec 13 (b) High	$3.7700	$4.1470	Sec 13 (b) Low	$3.8700	$3.4830
11/20/2013	Sec 13 (a) Wtd Avg	$3.6600	$4.0260	Sec 13 (a) Wtd Avg	$3.8105	$3.4295
	Sec 13 (b) High	$3.6600	$4.0260	Sec 13 (b) Low	$3.7850	$3.4065
11/21/2013	Sec 13 (a) Wtd Avg	$3.6739	$4.0413	Sec 13 (a) Wtd Avg	$3.8460	$3.4614
	Sec 13 (b) High	$3.6900	$4.0590	Sec 13 (b) Low	$3.8150	$3.4335
11/22/2013	Sec 13 (a) Wtd Avg	$3.8067	$4.1874	Sec 13 (a) Wtd Avg	$3.9345	$3.5411

Date	PURCHASE (SoCal - Ehrenberg) Rule 41, Sec 13 a/b	ICE $/dth	110%	SALE (SoCal - Citygate) Rule 41, Sec 13 a/b	ICE $/dth	90%
	Sec 13 (b) High	$3.8100	$4.1910	Sec 13 (b) Low	$3.9200	$3.5280
11/23 thru	Sec 13 (a) Wtd Avg	$3.8624	$4.2486	Sec 13 (a) Wtd Avg	$3.9738	$3.5764
11/25/2013	Sec 13 (b) High	$3.8700	$4.2570	Sec 13 (b) Low	$3.9500	$3.5550
11/26/2013	Sec 13 (a) Wtd Avg	$3.9844	$4.3828	Sec 13 (a) Wtd Avg	$4.0325	$3.6293
	Sec 13 (b) High	$4.0000	$4.4000	Sec 13 (b) Low	$4.0050	$3.6045
11/27/2013	Sec 13 (a) Wtd Avg	$3.9128	$4.3041	Sec 13 (a) Wtd Avg	$4.0051	$3.6046
To 11/30/2013	Sec 13 (b) High	$3.9150	$4.3065	Sec 13 (b) Low	$3.9800	$3.5820
12/6/2013	Sec 13 (a) Wtd Avg	$4.4571	$4.9028	Sec 13 (a) Wtd Avg	$4.3674	$3.9307
	Sec 13 (b) High	$4.6000	$5.0600	Sec 13 (b) Low	$4.3300	$3.8970
12/7/2013	Sec 13 (a) Wtd Avg	$5.9167	$6.5084	Sec 13 (a) Wtd Avg	$4.6689	$4.2020
to 12/9/2013	Sec 13 (b) High	$8.0000	$8.8000	Sec 13 (b) Low	$4.5500	$4.0950
12/10/2013	Sec 13 (a) Wtd Avg	$7.0000	$7.7000	Sec 13 (a) Wtd Avg	$7.6416	$6.8774
	Sec 13 (b) High	$7.0000	$7.7000	Sec 13 (b) Low	$6.7500	$6.0750
12/11/2013	Sec 13 (a) Wtd Avg	$5.7500	$6.3250	Sec 13 (a) Wtd Avg	$5.2257	$4.7031
	Sec 13 (b) High	$5.7500	$6.3250	Sec 13 (b) Low	$5.1000	$4.5900
12/12/2013	Sec 13 (a) Wtd Avg	$4.7447	$5.2192	Sec 13 (a) Wtd Avg	$4.7761	$4.2985
	Sec 13 (b) High	$4.8500	$5.3350	Sec 13 (b) Low	$4.7300	$4.2570
12/18/2013	Sec 13 (a) Wtd Avg	$4.3513	$4.7864	Sec 13 (a) Wtd Avg	$4.4823	$4.0341
	Sec 13 (b) High	$4.3600	$4.7960	Sec 13 (b) Low	$4.4700	$4.0230
12/31/2013	Sec 13 (a) Wtd Avg	$4.5500	$5.0050	Sec 13 (a) Wtd Avg	$4.6421	$4.1779
	Sec 13 (b) High	$4.5500	$5.0050	Sec 13 (b) Low	$4.5900	$4.1310
1/1/2014	Sec 13 (a) Wtd Avg	$4.4769	$4.9246	Sec 13 (a) Wtd Avg	$4.5423	$4.0881
to 1/2/2014	Sec 13 (b) High	$4.5000	$4.9500	Sec 13 (b) Low	$4.5100	$4.0590
1/7/2014	Sec 13 (a) Wtd Avg	$5.2930	$5.8223	Sec 13 (a) Wtd Avg	$4.6693	$4.2024
	Sec 13 (b) High	$5.4000	$5.9400	Sec 13 (b) Low	$4.6500	$4.1850
1/10/2014	Sec 13 (a) Wtd Avg	$4.2689	$4.6958	Sec 13 (a) Wtd Avg	$4.4229	$3.9806
	Sec 13 (b) High	$4.3000	$4.7300	Sec 13 (b) Low	$4.3900	$3.9510

	PURCHASE (SoCal - Ehrenberg)			SALE (SoCal - Citygate)		
Date	**Rule 41, Sec 13 a/b**	**ICE $/dth**	**110%**	**Rule 41, Sec 13 a/b**	**ICE $/dth**	**90%**
1/14/2014	Sec 13 (a) Wtd Avg	$4.3629	$4.7992	Sec 13 (a) Wtd Avg	$4.4795	$4.0316
	Sec 13 (b) High	$4.3800	$4.8180	Sec 13 (b) Low	$4.4700	$4.0230
1/23/2014	Sec 13 (a) Wtd Avg	$4.9355	$5.4291	Sec 13 (a) Wtd Avg	$4.9056	$4.4150
	Sec 13 (b) High	$4.9500	$5.4450	Sec 13 (b) Low	$4.8700	$4.3830
1/24/2014	Sec 13 (a) Wtd Avg	$5.1185	$5.6304	Sec 13 (a) Wtd Avg	$5.0178	$4.5160
	Sec 13 (b) High	$5.2500	$5.7750	Sec 13 (b) Low	$4.9600	$4.4640
1/27/2014	Sec 13 (a) Wtd Avg	$4.9151	$5.4066	Sec 13 (a) Wtd Avg	$4.9636	$4.4672
	Sec 13 (b) High	$5.0000	$5.5000	Sec 13 (b) Low	$4.9450	$4.4505
2/1/2014 to 2/3/2014	Sec 13 (a) Wtd Avg	$5.1618	$5.6780	Sec 13 (a) Wtd Avg	$5.2981	$4.7683
	Sec 13 (b) High	$5.3000	$5.8300	Sec 13 (b) Low	$5.2500	$4.7250
2/4/2014	Sec 13 (a) Wtd Avg	$6.2354	$6.8589	Sec 13 (a) Wtd Avg	$6.1893	$5.5704
	Sec 13 (b) High	$6.3000	$6.9300	Sec 13 (b) Low	$6.1200	$5.5080
2/5/2014	Sec 13 (a) Wtd Avg	$8.6424	$9.5066	Sec 13 (a) Wtd Avg	$7.3848	$6.6463
	Sec 13 (b) High	$9.1000	$10.0100	Sec 13 (b) Low	$7.0500	$6.3450
2/6/2014	Sec 13 (a) Wtd Avg	$20.9938	$23.0932	Sec 13 (a) Wtd Avg	$11.9394	$10.7455
	Sec 13 (b) High	$24.0000	$26.4000	Sec 13 (b) Low	$7.9000	$7.1100
2/7/2014	Sec 13 (a) Wtd Avg	$8.2750	$9.1025	Sec 13 (a) Wtd Avg	$7.2293	$6.5064
	Sec 13 (b) High	$8.7000	$9.5700	Sec 13 (b) Low	$6.5500	$5.8950
2/8/2014 through 2/10/14	Sec 13 (a) Wtd Avg	$6.4667	$7.1134	Sec 13 (a) Wtd Avg	$6.5169	$5.8652
	Sec 13 (b) High	$7.0000	$7.7000	Sec 13 (b) Low	$6.3500	$5.7150
2/11/2014	Sec 13 (a) Wtd Avg	$8.2500	$9.0750	Sec 13 (a) Wtd Avg	$7.9169	$7.1252
	Sec 13 (b) High	$8.2500	$9.0750	Sec 13 (b) Low	$7.5000	$6.7500
2/12/2014	Sec 13 (a) Wtd Avg	$6.4734	$7.1207	Sec 13 (a) Wtd Avg	$6.4432	$5.7989
	Sec 13 (b) High	$6.5500	$7.2050	Sec 13 (b) Low	$6.2500	$5.6250
2/13/2014	Sec 13 (a) Wtd Avg	$5.5019	$6.0521	Sec 13 (a) Wtd Avg	$5.4729	$4.9256
	Sec 13 (b) High	$5.5500	$6.1050	Sec 13 (b) Low	$5.4000	$4.8600

	PURCHASE (SoCal - Ehrenberg)				SALE (SoCal - Citygate)		
Date	Rule 41, Sec 13 a/b	ICE $/dth	110%		Rule 41, Sec 13 a/b	ICE $/dth	90%
3/4/2014	Sec 13 (a) Wtd Avg	$8.4583	$9.3041		Sec 13 (a) Wtd Avg	$8.7648	$7.8883
	Sec 13 (b) High	$8.5500	$9.4050		Sec 13 (b) Low	$8.4500	$7.6050
7/1/2014	Sec 13 (a) Wtd Avg	$4.8073	$5.2880		Sec 13 (a) Wtd Avg	$4.9587	$4.4628
	Sec 13 (b) High	$4.8150	$5.2965		Sec 13 (b) Low	$4.9400	$4.4460
8/12/2014	Sec 13 (a) Wtd Avg	$4.3480	$4.7828		Sec 13 (a) Wtd Avg	$4.4782	$4.0304
	Sec 13 (b) High	$4.3550	$4.7905		Sec 13 (b) Low	$4.4600	$4.0140

ATTACHMENT D

Advice No. 4690

**REQUESTS TO THE OPERATIONAL HUB FOR ADDITIONAL
SUPPLIES TO MEET SOUTHERN SYSTEM
MINIMUM FLOW REQUIREMENTS**

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 50,000 Dth

Flow Date(s) Requested: Sept. 1, 2013

Time of Request: 10:30 a.m., August 30, 2013

Reason for Request: Gas Control Department requested the Operational Hub to acquire additional supplies prior to Cycle 1 due to recent trend of the System Operator having to procure additional supplies to meet Southern System Minimum.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 26,000 Dth

Flow Date(s) Requested: September 1, 2013

Time of Request: 9:40 a.m. August 31, 2013

Reason for Request: Southern System scheduled quantities 26,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 50,000 Dth

Flow Date(s) Requested: Sept. 2, 2013

Time of Request: 10:30 a.m., August 30, 2013

Reason for Request: Gas Control Department requested the Operational Hub to acquire additional supplies prior to Cycle 1 due to recent trend of the System Operator having to procure additional supplies to meet Southern System Minimum.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 53,000 Dth

Flow Date(s) Requested: September 2, 2013

Time of Request: 10:40 a.m. September 1, 2013

Reason for Request: Southern System scheduled quantities 53,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 131,000 Dth

Flow Date(s) Requested: Sept. 3, 2013

Time of Request: 10:30 a.m., August 30, 2013

Reason for Request: Gas Control Department requested the Operational Hub to acquire additional supplies prior to Cycle 1 due to recent trend of the System Operator having to procure additional supplies to meet Southern System Minimum.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 46,000 Dth

Flow Date(s) Requested: September 3, 2013

Time of Request: 6:45 a.m. September 3, 2013

Reason for Request: Southern System scheduled quantities 46,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 267,000 Dth

Flow Date(s) Requested: September 4, 2013

Time of Request: 9:45 a.m. September 3, 2013

Reason for Request: Southern System scheduled quantities 267,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 311,000 Dth

Flow Date(s) Requested: September 5, 2013

Time of Request: 9:45 a.m. September 4, 2013

Reason for Request: Southern System scheduled quantities 311,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 69,000 Dth

Flow Date(s) Requested: September 5, 2013

Time of Request: 8:00 p.m. September 4, 2013

Reason for Request: Southern System scheduled quantities 69,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' SVP of Gas Operations and System Integrity requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 337,000 Dth

Flow Date(s) Requested: Sept. 6, 2013

Time of Request: 3:20 p.m., September 4, 2013

Reason for Request: SVP of Gas Operations and System Integrity requested the Operational Hub to acquire additional supplies prior to cycle 1 due to extremely hot and humid weather leading to high EG loads and to ensure supplies to meet Southern System Minimum.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 282,000 Dth

Flow Date(s) Requested: September 6, 2013

Time of Request: 10:00 a.m. September 5, 2013

Reason for Request: Southern System scheduled quantities 282,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 21,000 Dth

Flow Date(s) Requested: September 6, 2013

Time of Request: 8:00 p.m. September 5, 2013

Reason for Request: Southern System scheduled quantities 21,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 144,000 Dth

Flow Date(s) Requested: September 7, 2013

Time of Request: 10:10 a.m. September 6, 2013

Reason for Request: Southern System scheduled quantities 144,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' SVP of Gas Operations and System Integrity requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 140,000 Dth

Flow Date(s) Requested: Sept. 8, 2013

Time of Request: 12:00 p.m., September 6, 2013

Reason for Request: SVP of Gas Operations and System Integrity requested the Operational Hub to acquire additional supplies prior to cycle 1 due to extremely hot and humid weather leading to high EG loads and to ensure supplies to meet Southern System Minimum.

Southern System Reliability Request

Purpose: SoCalGas' SVP of Gas Operations and System Integrity requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 201,000 Dth

Flow Date(s) Requested: Sept. 9, 2013

Time of Request: 12:00 p.m., September 6, 2013

Reason for Request: SVP of Gas Operations and System Integrity requested the Operational Hub to acquire additional supplies prior to cycle 1 due to extremely hot and humid weather leading to high EG loads and to ensure supplies to meet Southern System Minimum.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 118,000 Dth

Flow Date(s) Requested: September 10, 2013

Time of Request: 10:00 a.m. September 9, 2013

Reason for Request: Southern System scheduled quantities 118,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 68,000 Dth

Flow Date(s) Requested: September 11, 2013

Time of Request: 10:00 a.m. September 10, 2013

Reason for Request: Southern System scheduled quantities 68,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 97,000 Dth

Flow Date(s) Requested: September 17, 2013

Time of Request: 2:30 p.m. September 16, 2013

Reason for Request: Southern System scheduled quantities 97,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 114,000 Dth

Flow Date(s) Requested: September 18, 2013

Time of Request: 2:45 p.m. September 17, 2013

Reason for Request: Southern System scheduled quantities 114,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 86,000 Dth

Flow Date(s) Requested: September 19, 2013

Time of Request: 2:20 p.m. September 18, 2013

Reason for Request: Southern System scheduled quantities 86,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 35,000 Dth

Flow Date(s) Requested: October 02, 2013

Time of Request: 8:10 p.m. October 01, 2013

Reason for Request: Southern System scheduled quantities 35,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 16,000 Dth

Flow Date(s) Requested: October 15, 2013

Time of Request: 8:10 p.m. October 14, 2013

Reason for Request: Southern System scheduled quantities 16,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 20,000 Dth

Flow Date(s) Requested: October 21, 2013

Time of Request: 9:00 p.m. October 20, 2013

Reason for Request: Southern System scheduled quantities 20,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 104,000 Dth

Flow Date(s) Requested: October 22, 2013

Time of Request: 10:10 a.m. October 21, 2013

Reason for Request: Southern System scheduled quantities 104,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 105,000 Dth

Flow Date(s) Requested: October 23, 2013

Time of Request: 10:15 a.m. October 22, 2013

Reason for Request: Southern System scheduled quantities 105,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 73,000 Dth

Flow Date(s) Requested: October 24, 2013

Time of Request: 10:15 a.m. October 23, 2013

Reason for Request: Southern System scheduled quantities 73,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 113,000 Dth

Flow Date(s) Requested: November 4, 2013

Time of Request: 11:40 a.m. November 3, 2013

Reason for Request: Southern System scheduled quantities 113,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 109,000 Dth

Flow Date(s) Requested: November 5, 2013

Time of Request: 10:20 a.m. November 4, 2013

Reason for Request: Southern System scheduled quantities 109,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 35,000 Dth

Flow Date(s) Requested: November 6, 2013

Time of Request: 7:55 p.m. November 5, 2013

Reason for Request: Southern System scheduled quantities 35,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 38,000 Dth

Flow Date(s) Requested: November 8, 2013

Time of Request: 10:55 a.m. November 7, 2013

Reason for Request: Southern System scheduled quantities 38,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 20,000 Dth

Flow Date(s) Requested: November 8, 2013

Time of Request: 8:20 p.m. November 7, 2013

Reason for Request: Southern System scheduled quantities 20,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 83,000 Dth

Flow Date(s) Requested: November 11, 2013

Time of Request: 8:20 p.m. November 10, 2013

Reason for Request: Southern System scheduled quantities 83,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 37,000 Dth

Flow Date(s) Requested: November 13, 2013

Time of Request: 10:20 a.m. November 12, 2013

Reason for Request: Southern System scheduled quantities 37,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 108,000 Dth

Flow Date(s) Requested: November 18, 2013

Time of Request: 8:00 p.m. November 17, 2013

Reason for Request: Southern System scheduled quantities 108,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 80,000 Dth

Flow Date(s) Requested: November 19, 2013

Time of Request: 11:00 a.m. November 18, 2013

Reason for Request: Southern System scheduled quantities 80,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 83,000 Dth

Flow Date(s) Requested: November 20, 2013

Time of Request: 10:00 a.m. November 19, 2013

Reason for Request: Southern System scheduled quantities 83,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 45,000 Dth

Flow Date(s) Requested: November 21, 2013

Time of Request: 10:00 a.m. November 20, 2013

Reason for Request: Southern System scheduled quantities 45,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 139,000 Dth

Flow Date(s) Requested: November 22, 2013

Time of Request: 10:15 a.m. November 21, 2013

Reason for Request: Southern System scheduled quantities 139,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 101,000 Dth

Flow Date(s) Requested: November 23, 2013

Time of Request: 10:20 a.m. November 22, 2013

Reason for Request: Southern System scheduled quantities 101,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 101,000 Dth

Flow Date(s) Requested: November 24, 2013

Time of Request: 11:30 a.m., November 22, 2013

Reason for Request: Because continued shortfall in scheduled supplies in Cycle 1. SoCalGas' Gas Control Department requested the Operational Hub to acquire additional supplies prior to Cycle 1.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 25,000 Dth

Flow Date(s) Requested: November 24, 2013

Time of Request: 8:10 p.m. November 23, 2013

Reason for Request: Southern System scheduled quantities 25,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 150,000 Dth

Flow Date(s) Requested: November 25, 2013

Time of Request: 11:30 a.m., November 22, 2013

Reason for Request: Because continued shortfall in scheduled supplies in Cycle 1. SoCalGas' Gas Control Department requested the Operational Hub to acquire additional supplies prior to Cycle 1.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 157,000 Dth

Flow Date(s) Requested: November 25, 2013

Time of Request: 8:00 p.m. November 24, 2013

Reason for Request: Southern System scheduled quantities 157,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 217,000 Dth

Flow Date(s) Requested: November 26, 2013

Time of Request: 10:15 a.m. November 25, 2013

Reason for Request: Southern System scheduled quantities 217,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 41,000 Dth

Flow Date(s) Requested: November 26, 2013

Time of Request: **8**:20 p.m. November 25, 2013

Reason for Request: Southern System scheduled quantities 41,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 115,000 Dth

Flow Date(s) Requested: November 27, 2013

Time of Request: 10:00 a.m. November 26, 2013

Reason for Request: Southern System scheduled quantities 115,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 61,000 Dth

Flow Date(s) Requested: December 06, 2013

Time of Request: 10:00 a.m. December 05, 2013

Reason for Request: Southern System scheduled quantities 61,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 26,000 Dth

Flow Date(s) Requested: December 06, 2013

Time of Request: 8:00 p.m. December 05, 2013

Reason for Request: Southern System scheduled quantities 26,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 60,000 Dth

Flow Date(s) Requested: December 09, 2013

Time of Request: 12:35 p.m. December 09, 2013

Reason for Request: Southern System scheduled quantities 60,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 103,000 Dth

Flow Date(s) Requested: December 10, 2013

Time of Request: 10:00 a.m. December 09, 2013

Reason for Request: Southern System scheduled quantities 103,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Otay Mesa

Quantity Requested: 50,000 Dth

Flow Date(s) Requested: December 10, 2013

Time of Request: 7:00 a.m. December 10, 2013

Reason for Request: Otay Mesa scheduled quantities 50,000 Dth needed for system reliability.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 105,000 Dth

Flow Date(s) Requested: December 11, 2013

Time of Request: 10:10 a.m. December 10, 2013

Reason for Request: Southern System scheduled quantities 105,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Otay Mesa

Quantity Requested: 50,000 Dth

Flow Date(s) Requested: December 11, 2013

Time of Request: 11:00 a.m. December 11, 2013

Reason for Request: Otay Mesa scheduled quantities 50,000 Dth needed for system reliability.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 25,000 Dth

Flow Date(s) Requested: December 12, 2013

Time of Request: 10:00 a.m. December 11, 2013

Reason for Request: Southern System scheduled quantities 25,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 47,000 Dth

Flow Date(s) Requested: December 18, 2013

Time of Request: 10:00 a.m. December 17, 2013

Reason for Request: Southern System scheduled quantities 47,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 29,000 Dth

Flow Date(s) Requested: December 31, 2013

Time of Request: 8:10 p.m. December 30, 2013

Reason for Request: Southern System scheduled quantities 29,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 65,000 Dth

Flow Date(s) Requested: January 2, 2014

Time of Request: 10:20 a.m. January 1, 2014

Reason for Request: Southern System scheduled quantities 65,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 110,000 Dth

Flow Date(s) Requested: January 7, 2014

Time of Request: 10:00 a.m. January 6, 2014

Reason for Request: Southern System scheduled quantities 110,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 20,000 Dth

Flow Date(s) Requested: January 10, 2014

Time of Request: 10:00 a.m. January 9, 2014

Reason for Request: Southern System scheduled quantities 20,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 42,000 Dth

Flow Date(s) Requested: January 14, 2014

Time of Request: 10:00 a.m. January 13, 2014

Reason for Request: Southern System scheduled quantities 42,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 15,000 Dth

Flow Date(s) Requested: January 23, 2014

Time of Request: 8:15 p.m. January 22, 2014

Reason for Request: Southern System scheduled quantities 15,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 22,000 Dth

Flow Date(s) Requested: January 24, 2014

Time of Request: 10:45 p.m. January 23, 2014

Reason for Request: Southern System scheduled quantities 22,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 13,000 Dth

Flow Date(s) Requested: January 24, 2014

Time of Request: 8:15 p.m. January 23, 2014

Reason for Request: Southern System scheduled quantities 13,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 54,000 Dth

Flow Date(s) Requested: January 27, 2014

Time of Request: 11:15 a.m. January 26, 2014

Reason for Request: Southern System scheduled quantities 54,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 45,000 Dth

Flow Date(s) Requested: February 03, 2014

Time of Request: 7:15 a.m. February 03, 2014

Reason for Request: Southern System scheduled quantities 45,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 68,000 Dth

Flow Date(s) Requested: February 04, 2014

Time of Request: 10:45 a.m. February 03, 2014

Reason for Request: Southern System scheduled quantities 68,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 127,000 Dth

Flow Date(s) Requested: February 05, 2014

Time of Request: 10:15 a.m. February 04, 2014

Reason for Request: Southern System scheduled quantities 127,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 55,000 Dth

Flow Date(s) Requested: February 6, 2014

Time of Request: 10:00 a.m. February 5, 2014

Reason for Request: Southern System scheduled quantities 55,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 155,000 Dth

Flow Date(s) Requested: February 6, 2014

Time of Request: 10:30 a.m. February 6, 2014

Reason for Request: Southern System scheduled quantities 155,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 255,000 Dth

Flow Date(s) Requested: February 7, 2014

Time of Request: 10:30 a.m. February 6, 2014

Reason for Request: Southern System scheduled quantities 255,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 91,000 Dth

Flow Date(s) Requested: February 10, 2014

Time of Request: 10:30 a.m. February 09, 2014

Reason for Request: Southern System scheduled quantities 91,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 51,000 Dth

Flow Date(s) Requested: February 11, 2014

Time of Request: 9:50 a.m. February 10, 2014

Reason for Request: Southern System scheduled quantities 51,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 138,000 Dth

Flow Date(s) Requested: February 12, 2014

Time of Request: 9:58 a.m. February 11, 2014

Reason for Request: Southern System scheduled quantities 138,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 66,000 Dth

Flow Date(s) Requested: February 13, 2014

Time of Request: 10:00 a.m. February 12, 2014

Reason for Request: Southern System scheduled quantities 66,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 26,000 Dth

Flow Date(s) Requested: March 4, 2014

Time of Request: 10:15 a.m. March 3, 2014

Reason for Request: Southern System scheduled quantities 26,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 92,000 Dth

Flow Date(s) Requested: July 1, 2014

Time of Request: 08:15 p.m. June 30, 2014

Reason for Request: Southern System scheduled quantities 92,000 Dth below the southern system minimum flowing supply requirement.

Southern System Reliability Request

Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 123,000 Dth

Flow Date(s) Requested: August 12, 2014

Time of Request: 8:15 p.m. August 11, 2014

Reason for Request: Southern System scheduled quantities 123,000 Dth below the southern system minimum flowing supply requirement.

ATTACHMENT E

Advice No. 4690

**COST SAVINGS OF DECEMBER 2013 – MARCH 2014
SOUTHERN SYSTEM BASELOAD TRANSACTIONS**

Cost Savings of December 2013 - March 2014 Southern System Baseload Transactions

	ACTUALS						NO BASELOAD				
	A	B	C	D	E = A + C	F = B + D	G	H	I = C + G	J = D + H	K = J - F
	Baseload		Spot		Total Actual		Extra Spot Purchases		Total (No Baseload)		
	Volume (Dth)	Cost	Volume (Dth)	Cost	Volume (Dth)	Cost	Volume (Dth)	Cost	Volume (Dth)	Cost	Savings
201312	7,894,995	$993,690	490,956	$141,240	8,385,951	$1,134,929	1,780,382	$1,442,653	2,271,338	$1,583,893	$448,964
201401	7,901,949	$1,076,950	317,602	$307,789	8,219,551	$1,384,739	1,784,978	$1,186,559	2,102,580	$1,494,348	$109,609
201402	7,127,268	$1,352,518	1,041,129	$6,926,206	8,168,397	$8,278,723	2,286,460	$9,543,000	3,327,589	$16,469,206	$8,190,483
201403	7,434,614	$520,903	25,976	$15,890	7,460,590	$536,793	235,470	$145,939	261,446	$161,829	-$374,964
Total	30,358,826	$3,944,061	1,875,663	$7,391,124	32,234,489	$11,335,185	6,087,290	$12,318,152	7,962,953	$19,709,276	$8,374,091

The table above compares the recorded SSR costs from December 2013 - March 2014 with the estimated cost without the use of baseload contracts. Column B shows the actual net cost of the baseload contracts. Column D shows the actual net cost of spot purchases. Column F shows the actual net cost of the base load contracts and the spot purchases. Column G shows the additional spot purchases that would have been needed without the baseload contracts. The volume assumes that whenever the operator made a request for gas, the request would have increased by the amount procured by the baseload contracts on that day. For example if the baseload volume is 255,000Dth/d, the additional volume is 255,000Dth if the operator made a request on that day or zero if the operator made no request. Column H shows the estimated net cost of additional spot purchases priced at similar net cost of actual spot purchases on the same day reflected in Column D. Column J shows net cost of all spot purchases if baseload contracts were absent. Total savings of $8.4 million derived from the baseload contracts are shown in Column K. The calculations are shown in the following pages.

				BASE LOAD PURCHASES									
				A	B	C = A - B	D	E	F = A*E + D	G	H	I = G*H	J = F - I
				BASELOAD PURCHASES						SALES			Net Baseload Cost
flow date	Strip	Request	BTS	Volume (Dth)	Inkind	Volume Net Of Inkind	BTS Cost	Avg. Purchase Price	Total Purchase Cost	Volume (Dth)	Avg Sale Price	Revenue From Sales	
12/1/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/2/2013	201312	0	0.13764	254,998	701	254,297	35,002	3.927	1,036,317	254,186	3.949	1,003,827	32,490
12/3/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/4/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/5/2013	201312	0	0.13764	254,998	701	254,297	35,002	3.927	1,036,317	254,186	3.949	1,003,827	32,490
12/6/2013	201312	87,000	0.13764	250,187	688	249,499	35,002	3.927	1,017,412	249,443	3.949	985,100	32,312
12/7/2013	201312	0	0.13764	254,998	701	254,297	35,002	3.927	1,036,317	254,186	3.949	1,003,827	32,490
12/8/2013	201312	0	0.13764	254,998	701	254,297	35,002	3.927	1,036,317	254,186	3.949	1,003,827	32,490
12/9/2013	201312	60,000	0.13764	249,961	687	249,274	35,002	3.927	1,016,537	250,232	3.949	988,213	28,324
12/10/2013	201312	153,000	0.13764	253,010	695	252,315	35,002	3.927	1,028,504	256,390	3.949	1,012,527	15,977
12/11/2013	201312	155,000	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/12/2013	201312	25,000	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/13/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/14/2013	201312	0	0.13764	254,998	701	254,297	35,002	3.927	1,036,317	254,186	3.949	1,003,827	32,490
12/15/2013	201312	0	0.13764	254,998	701	254,297	35,002	3.927	1,036,317	254,186	3.949	1,003,827	32,490
12/16/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/17/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/18/2013	201312	47,000	0.13764	254,998	701	254,297	35,002	3.927	1,036,317	254,187	3.949	1,003,831	32,486
12/19/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/20/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/21/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/22/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/23/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/24/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/25/2013	201312	0	0.13764	250,108	687	249,421	35,002	3.927	1,017,099	254,187	3.949	1,003,831	13,268
12/26/2013	201312	0	0.13764	254,533	699	253,834	35,002	3.927	1,034,490	254,187	3.949	1,003,831	30,659
12/27/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/28/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/29/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/30/2013	201312	0	0.13764	254,999	701	254,298	35,002	3.927	1,036,321	254,187	3.949	1,003,831	32,490
12/31/2013	201312	29,000	0.13764	262,228	721	261,507	35,002	3.927	1,064,733	254,187	3.949	1,003,831	60,901
1/1/2014	201401	0	0.14233	254,819	841	253,978	36,174	4.647	1,220,232	254,023	4.668	1,185,698	34,533
1/2/2014	201401	65,000	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/3/2014	201401	0	0.14233	254,999	841	254,158	36,174	4.647	1,221,068	254,022	4.668	1,185,694	35,375
1/4/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/5/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/6/2014	201401	0	0.14233	253,531	837	252,694	36,174	4.647	1,214,242	254,023	4.668	1,185,698	28,544
1/7/2014	201401	110,000	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/8/2014	201401	0	0.14233	254,542	840	253,702	36,174	4.647	1,218,944	253,887	4.668	1,185,064	33,880
1/9/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/10/2014	201401	20,000	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,020	4.668	1,185,684	35,389
1/11/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/12/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/13/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375

				BASE LOAD PURCHASES									
				A	B	C = A - B	D	E	F = A*E + D	G	H	I = G*H	J = F - I
				BASELOAD PURCHASES						SALES			Net Baseload Cost
flow date	Strip	Request	BTS	Volume (Dth)	Inkind	Volume Net Of Inkind	BTS Cost	Avg. Purchase Price	Total Purchase Cost	Volume (Dth)	Avg Sale Price	Revenue From Sales	Net Baseload Cost
1/14/2014	201401	42,000	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/15/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/16/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,022	4.668	1,185,694	35,379
1/17/2014	201401	0	0.14233	254,999	841	254,158	36,174	4.647	1,221,068	254,022	4.668	1,185,694	35,375
1/18/2014	201401	0	0.14233	254,999	841	254,158	36,174	4.647	1,221,068	254,022	4.668	1,185,694	35,375
1/19/2014	201401	0	0.14233	254,742	840	253,902	36,174	4.647	1,219,874	253,766	4.668	1,184,499	35,375
1/20/2014	201401	0	0.14233	254,725	840	253,885	36,174	4.647	1,219,795	253,749	4.668	1,184,420	35,376
1/21/2014	201401	0	0.14233	254,797	840	253,957	36,174	4.647	1,220,130	253,821	4.668	1,184,756	35,374
1/22/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/23/2014	201401	15,000	0.14233	254,978	841	254,137	36,174	4.647	1,220,971	254,001	4.668	1,185,596	35,375
1/24/2014	201401	35,000	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/25/2014	201401	0	0.14233	254,926	841	254,085	36,174	4.647	1,220,729	254,023	4.668	1,185,698	35,031
1/26/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/27/2014	201401	54,000	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	254,023	4.668	1,185,698	35,375
1/28/2014	201401	0	0.14233	254,999	841	254,158	36,174	4.647	1,221,068	254,023	4.668	1,185,698	35,370
1/29/2014	201401	0	0.14233	254,999	841	254,158	36,174	4.647	1,221,068	254,022	4.668	1,185,694	35,375
1/30/2014	201401	0	0.14233	254,894	841	254,053	36,174	4.647	1,220,580	254,023	4.668	1,185,698	34,882
1/31/2014	201401	0	0.14233	255,000	841	254,159	36,174	4.647	1,221,073	256,095	4.668	1,195,375	25,698
2/1/2014	201402	0	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827
2/2/2014	201402	0	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827
2/3/2014	201402	45,000	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827
2/4/2014	201402	68,000	0.14233	249,389	823	248,566	36,174	5.277	1,352,102	253,751	5.246	1,331,262	20,840
2/5/2014	201402	127,000	0.14233	252,267	832	251,435	36,174	5.277	1,367,308	251,149	5.246	1,317,611	49,697
2/6/2014	201402	210,000	0.14233	254,970	841	254,129	36,174	5.277	1,381,570	253,870	5.246	1,331,886	49,684
2/7/2014	201402	255,000	0.14233	254,835	840	253,995	36,174	5.277	1,380,858	253,709	5.246	1,331,042	49,816
2/8/2014	201402	0	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827
2/9/2014	201402	0	0.14233	254,880	841	254,039	36,174	5.277	1,381,095	253,753	5.246	1,331,272	49,823
2/10/2014	201402	91,000	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827
2/11/2014	201402	51,000	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827
2/12/2014	201402	138,000	0.14233	254,999	841	254,158	36,174	5.277	1,381,723	253,873	5.246	1,331,902	49,821
2/13/2014	201402	66,000	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,872	5.246	1,331,897	49,832
2/14/2014	201402	0	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827
2/15/2014	201402	0	0.14233	254,827	841	253,986	36,174	5.277	1,380,815	253,796	5.246	1,331,498	49,317
2/16/2014	201402	0	0.14233	254,999	841	254,158	36,174	5.277	1,381,723	253,872	5.246	1,331,897	49,827
2/17/2014	201402	0	0.14233	254,973	841	254,132	36,174	5.277	1,381,586	253,846	5.246	1,331,760	49,826
2/18/2014	201402	0	0.14233	254,999	841	254,158	36,174	5.277	1,381,723	253,872	5.246	1,331,897	49,827
2/19/2014	201402	0	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827
2/20/2014	201402	0	0.14233	254,999	841	254,158	36,174	5.277	1,381,723	253,872	5.246	1,331,897	49,827
2/21/2014	201402	0	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827
2/22/2014	201402	0	0.14233	254,663	840	253,823	36,174	5.277	1,379,950	253,537	5.246	1,330,139	49,811
2/23/2014	201402	0	0.14233	254,971	841	254,130	36,174	5.277	1,381,575	253,844	5.246	1,331,750	49,826
2/24/2014	201402	0	0.14233	251,962	831	251,131	36,174	5.277	1,365,695	250,845	5.246	1,316,019	49,677
2/25/2014	201402	0	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,870	5.246	1,331,886	49,842
2/26/2014	201402	0	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	253,873	5.246	1,331,902	49,827

				BASE LOAD PURCHASES									
				A	B	C = A - B	D	E	F = A*E + D	G	H	I = G*H	J = F - I
				BASELOAD PURCHASES						SALES			Net Baseload Cost
flow date	Strip	Request	BTS	Volume (Dth)	Inkind	Volume Net Of Inkind	BTS Cost	Avg. Purchase Price	Total Purchase Cost	Volume (Dth)	Avg Sale Price	Revenue From Sales	
2/27/2014	201402	0	0.14233	255,000	841	254,159	36,174	5.277	1,381,729	255,362	5.246	1,339,712	42,016
2/28/2014	201402	0	0.14233	254,535	840	253,695	36,174	5.277	1,379,273	254,336	5.246	1,334,331	44,943
3/1/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/2/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/3/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/4/2014	201403	26,000	0.14233	235,470	778	234,692	34,046	5.376	1,300,022	234,557	5.467	1,282,236	17,786
3/5/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/6/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/7/2014	201403	0	0.14233	239,859	792	239,067	34,046	5.376	1,323,623	238,932	5.467	1,306,167	17,456
3/8/2014	201403	0	0.14233	239,999	792	239,207	34,046	5.376	1,324,376	239,072	5.467	1,306,933	17,443
3/9/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/10/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/11/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/12/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/13/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/14/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/15/2014	201403	0	0.14233	239,998	792	239,206	34,046	5.376	1,324,371	239,071	5.467	1,306,927	17,443
3/16/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/17/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/18/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	241,073	5.461	1,316,618	7,763
3/19/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/20/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/21/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/22/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/23/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/24/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/25/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/26/2014	201403	0	0.14233	239,999	792	239,207	34,046	5.376	1,324,376	239,072	5.467	1,306,933	17,443
3/27/2014	201403	0	0.14233	239,293	790	238,503	34,046	5.376	1,320,578	238,368	5.467	1,303,096	17,482
3/28/2014	201403	0	0.14233	240,000	792	239,208	34,046	5.376	1,324,381	239,073	5.467	1,306,938	17,443
3/29/2014	201403	0	0.14233	239,999	792	239,207	34,046	5.376	1,324,376	239,072	5.467	1,306,933	17,443
3/30/2014	201403	0	0.14233	239,998	792	239,206	34,046	5.376	1,324,371	239,071	5.467	1,306,927	17,443
3/31/2014	201403	0	0.14233	239,999	792	239,207	34,046	5.376	1,324,376	241,257	5.461	1,317,486	6,890

Calculations

flow date	K Volume (Dth)	L Inkind	M = K - L Volume Net Of Inkind	N BTS Cost	O Avg. Purchase Price	P = K*O + N Total Purchase Cost	Q Volume (Dth)	R Avg Sale Price	S = Q*R Revenue From Sales	T = P -S Net Spot Cost	U = J +T Actual Net Cost
			PURCHASES				SALES				
12/1/2013	0	0	0	0	0.000	0	30,000	4.010	120,300	-120,300	-87,810
12/2/2013	0	0	0	0	0.000	0	30,000	4.010	120,300	-120,300	-87,810
12/3/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/4/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/5/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/6/2013	79,002	217	78,785	10,844	5.744	464,629	62,060	4.380	271,815	192,814	225,126
12/7/2013	0	0	0	0	0.000	0	7,000	4.645	32,515	-32,515	-25
12/8/2013	0	0	0	0	0.000	0	7,000	4.645	32,515	-32,515	-25
12/9/2013	4,957	14	4,943	680	7.568	38,195	24,000	6.521	156,515	-118,320	-89,996
12/10/2013	150,999	1,059	149,940	20,638	7.877	1,210,070	149,940	7.331	1,099,284	110,786	126,762
12/11/2013	154,998	1,096	153,902	21,183	6.189	980,421	153,902	5.161	794,308	186,113	218,603
12/12/2013	25,000	69	24,931	3,432	5.000	128,432	24,931	4.700	117,176	11,256	43,746
12/13/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/14/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/15/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/16/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/17/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/18/2013	47,000	129	46,871	6,451	4.536	219,641	37,000	4.480	165,760	53,881	86,368
12/19/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/20/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/21/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/22/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/23/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/24/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/25/2013	0	0	0	0	0.000	0	0	0.000	0	0	13,268
12/26/2013	0	0	0	0	0.000	0	0	0.000	0	0	30,659
12/27/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/28/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/29/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/30/2013	0	0	0	0	0.000	0	0	0.000	0	0	32,490
12/31/2013	29,000	80	28,920	3,981	4.800	143,181	29,520	4.500	132,840	10,341	71,242
1/1/2014	0	0	0	0	0.000	0	0	0.000	0	0	34,533
1/2/2014	63,602	210	63,392	9,023	4.721	309,312	0	0.000	0	309,312	344,687
1/3/2014	0	0	0	0	0.000	0	64,784	4.565	295,739	-295,739	-260,364
1/4/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/5/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/6/2014	0	0	0	0	0.000	0	0	0.000	0	0	28,544
1/7/2014	110,000	363	109,637	15,605	6.062	682,390	24,918	4.550	113,377	569,013	604,387
1/8/2014	0	0	0	0	0.000	0	0	0.000	0	0	33,880
1/9/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/10/2014	20,000	66	19,934	2,837	4.380	90,437	83,325	4.420	368,297	-277,859	-242,471
1/11/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/12/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/13/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375

Calculations

ACTUALS

	SPOT PURCHASES										
	K	L	M = K - L	N	O	P = K*O + N	Q	R	S = Q*R	T = P -S	U = J +T
	PURCHASES						SALES				
flow date	Volume (Dth)	Inkind	Volume Net Of Inkind	BTS Cost	Avg. Purchase Price	Total Purchase Cost	Volume (Dth)	Avg Sale Price	Revenue From Sales	Net Spot Cost	Actual Net Cost
1/14/2014	42,000	139	41,861	5,958	4.500	194,958	60,000	4.450	267,000	-72,042	-36,667
1/15/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/16/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,379
1/17/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/18/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/19/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/20/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,376
1/21/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,374
1/22/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/23/2014	15,000	49	14,951	2,128	5.250	80,878	0	0.000	0	80,878	116,253
1/24/2014	13,000	43	12,957	1,844	5.400	72,044	27,457	4.999	137,254	-65,210	-29,835
1/25/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,031
1/26/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/27/2014	54,000	178	53,822	7,660	6.186	341,715	12,957	4.965	64,332	277,384	312,759
1/28/2014	0	0	0	0	0.000	0	43,000	5.055	217,365	-217,365	-181,995
1/29/2014	0	0	0	0	0.000	0	0	0.000	0	0	35,375
1/30/2014	0	0	0	0	0.000	0	0	0.000	0	0	34,882
1/31/2014	0	0	0	0	0.000	0	111	5.250	583	-583	25,115
2/1/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,827
2/2/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,827
2/3/2014	40,000	132	39,868	5,674	6.319	258,424	24,917	5.300	132,060	126,364	176,191
2/4/2014	64,287	212	64,075	9,120	6.888	451,911	37,875	6.050	229,144	222,767	243,608
2/5/2014	127,000	419	126,581	18,016	11.311	1,454,516	79,000	7.252	572,875	881,641	931,338
2/6/2014	208,919	690	208,229	29,637	26.924	5,654,672	190,526	10.211	1,945,396	3,709,276	3,758,960
2/7/2014	254,999	841	254,158	36,174	16.641	4,279,654	219,481	9.236	2,027,230	2,252,424	2,302,240
2/8/2014	0	0	0	0	0.000	0	47,000	6.520	306,440	-306,440	-256,613
2/9/2014	0	0	0	0	0.000	0	47,000	6.520	306,440	-306,440	-256,617
2/10/2014	91,000	300	90,700	12,909	9.423	870,409	137,700	6.268	863,099	7,310	57,137
2/11/2014	50,998	168	50,830	7,235	8.289	429,968	50,830	7.800	396,474	33,494	83,321
2/12/2014	137,926	455	137,471	19,566	7.663	1,076,500	137,471	6.000	824,826	251,674	301,496
2/13/2014	66,000	218	65,782	9,363	5.970	403,383	65,782	5.300	348,645	54,738	104,570
2/14/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,827
2/15/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,317
2/16/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,827
2/17/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,826
2/18/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,827
2/19/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,827
2/20/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,827
2/21/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,827
2/22/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,811
2/23/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,826
2/24/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,677
2/25/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,842
2/26/2014	0	0	0	0	0.000	0	0	0.000	0	0	49,827

Calculations

	ACTUALS										
					SPOT PURCHASES						
	K	L	M = K - L	N	O	P = K*O + N	Q	R	S = Q*R	T = P -S	U = J +T
	PURCHASES						SALES				
flow date	Volume (Dth)	Inkind	Volume Net Of Inkind	BTS Cost	Avg. Purchase Price	Total Purchase Cost	Volume (Dth)	Avg Sale Price	Revenue From Sales	Net Spot Cost	Actual Net Cost
2/27/2014	0	0	0	0	0.000	0	111	5.450	605	-605	41,411
2/28/2014	0	0	0	0	0.000	0	0	0.000	0	0	44,943
3/1/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/2/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/3/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/4/2014	25,976	86	25,890	3,685	8.900	234,871	25,915	8.450	218,982	15,890	33,675
3/5/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/6/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/7/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,456
3/8/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/9/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/10/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/11/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/12/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/13/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/14/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/15/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/16/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/17/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/18/2014	0	0	0	0	0.000	0	0	0.000	0	0	7,763
3/19/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/20/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/21/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/22/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/23/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/24/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/25/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/26/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/27/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,482
3/28/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/29/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/30/2014	0	0	0	0	0.000	0	0	0.000	0	0	17,443
3/31/2014	0	0	0	0	0.000	0	0	0.000	0	0	6,890

Calculations

flow date	Request Was Made	V Volume (Dth)	W Inkind	X = V - W Volume Net Of Inkind	Y BTS Cost	Z Avg. Purchase Price	A1 = V*Z + Y Total Purchase Cost	B1 Volume (Dth)	C1 Avg Sale Price	D1 = B1 * C1 Revenue From Sales	E1 = A1 - D1 Net Spot Cost
				ADDITIONAL SPOT PURCHASES WIHTOUT BASELOAD CONTRACTS							
				PURCHASES				SALES			
12/1/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/2/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/3/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/4/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/5/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/6/2013	YES	250,187	688	249,499	34,341	5.744	1,471,408	249,499	4.380	1,092,776	378,632
12/7/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/8/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/9/2013	YES	249,961	687	249,274	34,310	7.568	1,926,021	249,274	6.521	1,625,630	300,391
12/10/2013	YES	253,010	695	252,315	34,729	7.877	2,027,711	252,315	7.331	1,849,846	177,864
12/11/2013	YES	254,999	701	254,298	35,002	6.189	1,613,116	254,298	5.161	1,312,465	300,652
12/12/2013	YES	254,999	701	254,298	35,002	5.000	1,309,997	254,298	4.700	1,195,201	114,796
12/13/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/14/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/15/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/16/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/17/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/18/2013	YES	254,998	701	254,297	35,001	4.536	1,191,662	254,297	4.480	1,139,251	52,411
12/19/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/20/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/21/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/22/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/23/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/24/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/25/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/26/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/27/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/28/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/29/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/30/2013	NO	0	0	0	0	0.000	0	0	0.000	0	0
12/31/2013	YES	262,228	721	261,507	35,994	4.800	1,294,688	261,507	4.500	1,176,782	117,907
1/1/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/2/2014	YES	255,000	841	254,159	36,174	4.721	1,240,128	254,159	4.565	1,160,236	79,892
1/3/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/4/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/5/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/6/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/7/2014	YES	255,000	841	254,159	36,174	6.062	1,581,903	254,159	4.550	1,156,423	425,480
1/8/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/9/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/10/2014	YES	255,000	841	254,159	36,174	4.380	1,153,074	254,159	4.420	1,123,383	29,692
1/11/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/12/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/13/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0

Calculations

flow date	Request Was Made	ADDITIONAL SPOT PURCHASES WIHTOUT BASELOAD CONTRACTS									
		V	W	X = V - W	Y	Z	A1 = V*Z + Y	B1	C1	D1 = B1 * C1	E1 = A1 - D1
		PURCHASES						SALES			
		Volume (Dth)	Inkind	Volume Net Of Inkind	BTS Cost	Avg. Purchase Price	Total Purchase Cost	Volume (Dth)	Avg Sale Price	Revenue From Sales	Net Spot Cost
1/14/2014	YES	255,000	841	254,159	36,174	4.500	1,183,674	254,159	4.450	1,131,008	52,667
1/15/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/16/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/17/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/18/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/19/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/20/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/21/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/22/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/23/2014	YES	254,978	841	254,137	36,171	5.250	1,374,806	254,137	4.999	1,270,399	104,406
1/24/2014	YES	255,000	841	254,159	36,174	5.400	1,413,174	254,159	4.999	1,270,509	142,665
1/25/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/26/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/27/2014	YES	255,000	841	254,159	36,174	6.186	1,613,656	254,159	4.965	1,261,899	351,757
1/28/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/29/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/30/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
1/31/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/1/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/2/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/3/2014	YES	255,000	841	254,159	36,174	6.319	1,647,456	254,159	5.300	1,347,043	300,413
2/4/2014	YES	249,389	823	248,566	35,378	6.888	1,753,102	248,566	6.050	1,503,824	249,278
2/5/2014	YES	252,267	832	251,435	35,787	11.311	2,889,185	251,435	7.252	1,823,302	1,065,883
2/6/2014	YES	254,970	841	254,129	36,170	26.924	6,901,104	254,129	10.211	2,594,825	4,306,280
2/7/2014	YES	254,835	840	253,995	36,151	16.641	4,276,902	253,995	9.236	2,346,018	1,930,884
2/8/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/9/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/10/2014	YES	255,000	841	254,159	36,174	9.423	2,439,059	254,159	6.268	1,593,060	845,999
2/11/2014	YES	255,000	841	254,159	36,174	8.289	2,149,925	254,159	7.800	1,982,440	167,485
2/12/2014	YES	254,999	841	254,158	36,174	7.663	1,990,245	254,158	6.000	1,524,948	465,297
2/13/2014	YES	255,000	841	254,159	36,174	5.970	1,558,524	254,159	5.300	1,347,043	211,482
2/14/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/15/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/16/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/17/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/18/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/19/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/20/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/21/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/22/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/23/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/24/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/25/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/26/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0

Calculations

flow date	Request Was Made	ADDITIONAL SPOT PURCHASES WIHTOUT BASELOAD CONTRACTS									
		V	W	X = V - W	Y	Z	A1 = V*Z + Y	B1	C1	D1 = B1 * C1	E1 = A1 - D1
		PURCHASES						SALES			
		Volume (Dth)	Inkind	Volume Net Of Inkind	BTS Cost	Avg. Purchase Price	Total Purchase Cost	Volume (Dth)	Avg Sale Price	Revenue From Sales	Net Spot Cost
2/27/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
2/28/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/1/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/2/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/3/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/4/2014	YES	235,470	778	234,692	33,404	8.900	2,129,087	234,692	8.450	1,983,147	145,939
3/5/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/6/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/7/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/8/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/9/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/10/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/11/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/12/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/13/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/14/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/15/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/16/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/17/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/18/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/19/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/20/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/21/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/22/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/23/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/24/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/25/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/26/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/27/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/28/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/29/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/30/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
3/31/2014	NO	0	0	0	0	0.000	0	0	0.000	0	0
											12,318,152

Calculations

ATTACHMENT F

Advice No. 4690

TRANSACTIONS, CONFIDENTIAL