PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE SAN FRANCISCO, CA 94102-3298



March 17, 2014

Advice Letter 4547

Rasha Prince, Director Regulatory Affairs Southern California Gas 555 W. Fifth Street, GT14D6 Los Angeles, CA 90013-1011

Subject: 2013 Annual Compliance Report on Utility System Operator's Southern System Reliability Purchases and Sales (Sept. 1, 2012 - Aug. 31, 2013)

Dear Ms. Prince:

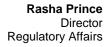
Advice Letter 4547 is effective as of February 5, 2014, per Resolution G-3492.

Sincerely,

Edward F. Randolph, Director

Edward Randofate

Energy Division





555 W. Fifth Street, GT14D6 Los Angeles, CA 90013-1011 Tel: 213.244.5141 Fax: 213.244.4957

RPrince @semprautilities.com

October 1, 2013

Advice No. 4547 (U 904 G)

Public Utilities Commission of the State of California

Subject: 2013 Annual Compliance Report on Utility System Operator's Southern System Reliability Purchases and Sales (September 1, 2012 through August 31, 2013)

Southern California Gas Company (SoCalGas) hereby submits for filing with the California Public Utilities Commission (Commission) its 2013 Annual Compliance Report (ACR) to demonstrate that activities to maintain Southern System reliability from September 1, 2012 through August 31, 2013, are in compliance with the standards, criteria and procedures described in Sections 9 through 18 of SoCalGas Rule No. 41.

Background

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 18 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.

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¹ SoCalGas Rule No. 41(24). 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 Rule No. 41(19), "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)."

In Resolution G-3480 (relating to SoCalGas' 2012 ACR), the Commission directed SoCalGas to provide additional information in 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.

. . .

SoCalGas shall incorporate, in all future ACRs, a table, as described in ordering paragraph 3.(b) and narrative explanations supported by Resolution G-3480 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, 2013. SoCalGas believes that all of the transactions described in this ACR are reasonable and subject to amortization in customer transportation rates during 2014. SoCalGas is providing the additional information required by Resolution G-3480.

A. Transaction Overview

As shown in Attachment B, from September 1, 2012 through August 31, 2013, SoCalGas spent **\$7,876,555** to meet the Southern System minimum flow requirements. Over 98 days, SoCalGas purchased 19,319,690 dths (net of in-kind fuel) of spot gas at Ehrenberg for \$76,999,571. This spot gas was then resold at the SoCal Citygate for \$70,356,785, for a net cost of \$6,642,786. In addition to this net purchase cost, there was \$1,233,768 of BTS transportation charges.

This **\$7,876,555** is more than three times higher than the \$2,191,549 requested in AL 4406. Costs were driven higher by the total volumes purchased to support the Southern System, which are almost three times higher than volumes purchased in the prior year covered by AL 4406. In addition, the net cost per dth purchased was 27% higher (almost 41 cents/dth) in this filing compared to 32 cents/dth in AL 4406.³

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.

³ 32 cents = \$2,191,549/6,837,893 dths for AL 4406. 41 cents = \$7,876,555/19,319,690 dths in this filing.

B. Transaction Detail

Attachment C shows the details of the purchases and sales summarized in Attachment B. All sales had prices that were within the automatic safe harbor price limits described in Section 13. The table below shows that 84% of transactions and purchase volumes were within the automatic safe harbor price limits described in Section 13. Another 14% were within parameters described in Section 14.4 Three transactions, representing 1% of transactions, were Section 15 transactions. Two transactions need to be justified under Section 16.

Southern System Purchases, September 2012-August 2013

	#	%	\$	%
Section 13	266	84	\$64,665,761	84
Section 14	44	14	\$10,875,071	14
Section 15	3	1	\$672,580	1
Section 16	2	1	\$786,160	1
Total	315		\$76,999,571	

Attachment D shows the ICE calculations for the Section 13 purchases and sales.⁵ All purchases were in response to System Operator requests for supply as documented in Attachment E.

In 2012, the Commission authorized SoCalGas to move supplies from Blythe to Otay Mesa when the Gas Control Department determines that deliveries at Otay Mesa are necessary to meet Southern System minimum flow requirements.⁶ The rules regarding such transactions are set forth in Section 15 of Rule No. 41, and such transactions are referred to by SoCalGas as Section 15 transactions. During the 12-month period ending on August 31, 2013, SoCalGas entered into three Section 15 transactions (TC 1777, 1778, and 1781) that provided a total of 150,000 dths of deliveries to Otay Mesa from the movement of supplies from Blythe to Otay Mesa. These transactions took place on January 15 and 16, 2013, pursuant to Gas Control's request for supplies at Otay Mesa. No supplies were available for purchase at Otay Mesa from ICE or from suppliers who can ship gas to Otay Mesa. Accordingly, these transactions are deemed to be reasonable pursuant to Section 15(2).7

Company names and counterparty names of purchases and sales are deemed confidential but they are included in Attachment F, which is being submitted under the confidentiality provisions

⁴ Section 14 requires the Operator to accept the lowest of at least three separate suppliers' offers to meet Southern System needs.

⁵ ICE price data is also available at the following link: https://www.theice.com/marketdata/reports/ReportCenter.shtml#report/76.

See Resolution G-3474.

⁷ The relevant portion of Section 15 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 Ava 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.

of General Order 66-C and Section 583 of the Public Utilities Code and provided only to the Energy Division.

C. Section 16 Transactions

Southern System support transactions that do not fall within the safe harbor provisions of Section 13, Section 14, or Section 15 of Rule No. 41 are subject to review for reasonableness by the Commission's Energy Division pursuant to Section 16 of Rule No. 41, and are referred to by SoCalGas as Section 16 transactions. As noted above, during the 12-month period ending on August 31, 2013, SoCalGas had two Section 16 transactions. These transactions were intraday transactions for flow on Christmas and New Year's Day, and it was not possible for SoCalGas to get three intraday offers in a timely manner in these instances. For the reasons described below, SoCalGas believes that both transactions were reasonable, and should be approved by the Commission.

1. TC 1571

Slightly after noon on Christmas Day, December 25, 2012, the Operational Hub received a call from Gas Control requesting 100,000 dth of Ehrenberg gas for Cycle 4 that day. Since this last nomination cycle closes at 3:00 PM, SoCalGas had less than three hours to find and schedule gas. This was unexpected because confirmed nominations in the previous three cycles had met the minimum flow requirement for the Southern System. In Cycle 3, which concluded at 8:00 AM Christmas morning, the minimum flow requirement of 494,474 dth was met with a confirmed nomination of 500,239 dth. Due to maintenance issues, however, El Paso only scheduled 366,660 dth, which created an unanticipated shortfall.

During this short window of opportunity, SoCalGas contacted four suppliers, and was able to reach two of them. One offered the entire requested quantity. The second supplier informed SoCalGas that he could not deliver supplies to the Southern System because of a force majeure at El Paso's Keystone compressor station. The two other suppliers SoCalGas tried to contact did not reply. The supplier who offered SoCalGas the Cycle 4 supplies needed by Gas Control indicated that they needed a quick answer because of the difficulty in getting people together on Christmas Day to procure the gas and make the nomination. SoCalGas needed to contact its scheduler and assure access to computer resources to handle scheduling. In addition, SoCalGas was concerned that the other two suppliers SoCalGas was trying to contact might also be affected by El Paso's force majeure. In light of these circumstances, the Operational Hub decided to accept the available Cycle 4 supplies even though SoCalGas had not received three offers. SoCalGas did not want to risk losing the supplies it had in hand in order to wait

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\$3.916 x 100,000 dth).

⁸ Throughout 2012, the Operational Hub relied on four suppliers who had reliably provided SoCalGas with supplies it needed to meet Southern System minimum flowing supply requirements. Aside from the two instances described in this section and TC#1089 as reported in AL 4406-A, these four suppliers also managed to provide SoCalGas with at least three offers for Section 14 transactions in 2012. Given the time constraints and the holiday, the Operational Hub did not believe it would be successful in finding additional offers from other suppliers.

⁹ This statement was confirmed by an El Paso posting later on December 25 indicating a force majeure condition at Keystone which reduced capacity at that location from 830 MMcfd to 280 MMcfd. ¹⁰ The cost of this purchase was \$28,400 above the Section 13 safe harbor (\$4.20 x 100,000 dth versus

for late-cycle Christmas-Day offers that might not materialize. The other two suppliers did not return SoCalGas' call that day.

2. TC 1625

On New Year's Eve, December 31, 2012, at 8:15 PM, the Operational Hub received a Cycle 3 call from Gas Control requesting 92,000 dth of Ehrenberg gas for New Year's Day. This request was unexpected, which was especially problematic on a holiday. In Cycle 1, which closed at 9:30 AM on December 31, the minimum flow requirement for New Year's Day was 488,593 dth. The confirmed nominations of 372,154 dth fell short by 116,439 dth. Gas Control requested 116,000 dth of Southern System gas for Cycle 2, which the Operational Hub obtained (Section 13 transaction). Later that day in Cycle 2, which closed at 4:00 PM, the minimum flow requirement was 486,586 dth and the confirmed nominations, which included the Operational Hub's purchase of 116,000 dth, was 490,634 dth, slightly above the minimum flow requirement. At this time it appeared that sufficient gas was coming in for New Year's Day. Later that evening, however, Gas Control increased the minimum flow requirement by 92,301 dth to 578,887 dth, and requested an additional purchase of 92,000 dth to make up the resulting supply shortfall.

At this late hour (10:15 PM Houston time), SoCalGas sent requests to its suppliers. No responses were received that night. Shortly after 6:00 AM on New Year's Day, requests were sent again to suppliers. Two responses were received each offering the entire quantity. SoCalGas waited until 7:30 AM, before executing on one of the offers. SoCalGas deemed it imprudent to wait further for the third offer that was unlikely to come this close to the scheduling deadline of 8:00 AM. As it turned out, SoCalGas did not hear back on its request from the other two suppliers. In light of these circumstances, and in light of the fact that the lower priced offer was only \$0.05/dth higher than the Section 13 safe harbor standard, the Operational Hub decided to accept the available Cycle 3 supplies even though SoCalGas had only received two offers. In light of the section 12 supplies even though SoCalGas had only received two offers.

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, 2012 through August 31, 2013, are reasonable and subject to amortization in customer transportation rates during 2014.

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 be received within 20 days of the date of this advice letter, which is October 21, 2013. There is no restriction on who may file a protest. The address for mailing or delivering a protest to the Commission is given below.

. .

¹¹ As with transaction TC 1571, given the time constraints and the holiday, the Operational Hub did not believe it would be successful in finding additional offers from other suppliers. *See* footnote 7 above. ¹² The cost of this purchase was \$4,876 above the Section 13 safe harbor (\$3.98 x 92,000 dth versus \$3.927 x 92,000 dth).

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 (<u>EDTariffUnit@cpuc.ca.gov</u>). 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 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 14, 2013.

Notice

A copy of this AL is being sent to the parties listed on Attachment A, which includes parties to A.11-11-002, the 2013 SoCalGas/SDG&E TCAP.

Rasha Prince	
Director- Regulatory Affairs	

Attachments

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY ENERGY UTILITY

Company name/CPUC Utility No. SOUTHERN CALIFORNIA GAS COMPANY (U 904G) Contact Person: Sid Newsom	MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)											
Dec HEAT WATER E-mail: SNewsom@semprautilities.com	Company name/CPUC Utility No. SOU	THERN CALIFO	RNIA GAS COMPANY (U 904G)									
ELC GAS Phone #: (213) 244-2846 PLC HEAT WATER E-mail: SNewsom@semprautilities.com	Utility type:	Contact Person: Si	d Newsom									
PLC	_ ` ` _	Phone #: (213) 244	-2846									
EXPLANATION OF UTILITY TYPE ELC = Electric GAS = Gas PLC = Pipeline HEAT = Heat WATER = Water Advice Letter (AL) #: 4547 Subject of AL: 2013 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!: 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: 11/14/13 No. of tariff sheets: 0 Estimated system annual revenue 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 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 Attention: Sid Newsom Southern California Gas Company Attention: Tariff Unit Attention: Sid Newsom Southern California Gas Company Southern California Cas Company CPUC, Energy Division As Nongeles, CA 90013-1011 SNewsom SNewsom		•	-									
ELC = Electric GAS = Gas PLC = Pipeline												
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 $^{^{\}mbox{\tiny 1}}$ Discuss in AL if more space is needed.

ATTACHMENT A

Advice No. 4547

(See Attached Service Lists)

ATTACHMENT B

Advice No. 4547

SUMMARY OF PURCHASES/SALES

Southern System Minimum Flow Purchases September 2012 thru August 2013

Southern System Minimum Flow Purchases Summary Sept 2012 thru August 2013

			Pu	rchases		So	ales	Sub-Total	BTS	Total
Month	Request	Quantity	In-Kind	Net	\$ Amt	Quantity	\$ Amt	Net Cost \$	Transportation	Cost \$
	(Dth)	(Dth)	(Dth)	(Dth)		(Dth)			\$ charges	
Sep-12	0	0	0	0	\$0	0	\$0	\$0	0	\$0
Oct-12	485,000	482,000	1,436	480,564	\$1,818,050	480,338	(\$1,700,612)	\$117,438	\$46,262	\$163,700
Nov-12	845,000	838,834	2,500	836,334	\$3,277,169	836,334	(\$3,041,240)	\$235,929	\$54,848	\$290,777
Dec-12	2,345,000	2,336,707	6,963	2,329,744	\$8,919,342	2,325,542	(\$8,208,090)	\$711,252	\$139,785	\$851,037
Jan-13	9,572,000	9,405,532	32,672	9,372,860	\$36,397,992	9,377,062	(\$33,119,642)	\$3,278,350	\$656,100	\$3,934,450
Feb-13	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0
Mar-13	308,000	307,999	1,004	306,995	\$1,279,006	306,995	(\$1,272,340)	\$6,666	\$23,025	\$29,691
Apr-13	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0
May-13	0	0	0	0	\$0	0	\$0	\$0	\$0	\$0
Jun-13	1,587,000	1,431,384	3,794	1,427,590	\$6,302,087	1,427,688	(\$5,518,735)	\$783,352	\$171,311	\$954,663
Jul-13	2,974,000	2,877,384	5,524	2,871,860	\$12,237,791	2,871,762	(\$11,158,075)	\$1,079,716	\$102,164	\$1,181,880
Aug-13	1,697,000	1,697,000	3,257	1,693,743	\$6,768,134	1,693,744	(\$6,338,051)	\$430,083	\$40,273	\$470,356
Total =>	19,813,000	19,376,840	57,150	19,319,690	\$76,999,571	19,319,465	(\$70,356,785)	\$6,642,786	\$1,233,768	\$7,876,555

ATTACHMENT C

Advice No. 4547

DEALS, PUBLIC

Southern Systems Minimum Flow Purchase/Sale

Southern Systems Minimum FI NP = Not Purchas															
			=-#					NP =	Not Purchased						
Notific	ation Mini	mum Flow Amt	TC#		In-kind	Net Amt	PURCHASE			TC#			SALE Sale		
Date notified	Flow Date	needed (Dths)		Amt (Dths)	0.22% (Dths)	flowed (Dths)	Purchase Price \$/dth	Rule 41 Limit \$/dth	\$Amt		Amt (Dths)	Flow Date	Price \$/dth	Rule 41 Limit \$/dth	\$Amt
10/1/12	10/2/12	60,000	1415	60,000	179	59,821	\$3.7000	within Sec 13	\$222,000	1416 1417	10,000 39,595	10/2/12 10/2/12	\$3.7000 \$3.6800	within Sec 13 within Sec 13	\$37,000 \$145,710
										1418	10,000	10/2/12	\$3.6800	within Sec 13	\$36,800
10/2/12	10/3/12	80,000	1419 1420	10,000 67,000	30 199	9,970 66,801	\$3.8000 \$3.8500	within Sec 13 within Sec 13	\$38,000 \$257,950	1421	79,762	10/3/12	\$3.6500	within Sec 13	\$291,131
10/10/12	10/11/12	180,000	1429	30,000	89	29,911	\$3.7000	within Sec 13	\$111,000	1431	132,500	10/11/12	\$3.2500	within Sec 13	\$430,625
10/10/12	10/11/12	180,000	1430	150,000	448	149,552	\$3.7000	within Sec 13	\$555,000	1432	10,000	10/11/12	\$3.6500	within Sec 13	\$36,500
										1433 1434	30,000 3,974	10/12/12 10/11/12	\$3.6850 \$3.6500	within Sec 13 within Sec 13	\$110,550 \$14,505
10/16/12	10/17/12	90,000	1437	10,000	30	9,970	\$3.8600	within Sec 13	\$38,600	1439	80,000	10/17/12	\$3.7600	within Sec 13	\$300,800
		70,000	1438	80,000	238	79,762	\$3.9000	within Sec 13	\$312,000	1440 1441	9,349	10/17/12	\$3.7900	within Sec 13 within Sec 13	\$35,433 \$109
10/29/12	10/30/12	75,000	1462	75,000	223	74,777	\$3.7800	within Sec 13	\$283,500	1463	75,129	10/30/12	\$3.4800	within Sec 13	\$261,449
10/31/12	11/1/12	90,000	1466 1465	63,000 26,953	188 80	62,812 26,873	\$4.0500 \$4.0500	within Sec 13 within Sec 13	\$255,150 \$109,160	1467	89,732	11/1/12	\$3.6500	within Sec 13	\$327,522
11/1/12	11/1/12	60,000	1468	59,725	178	59,547	\$4.0500	within Sec 13	\$241,886	1469	59,500	11/1/12	\$3.8500	within Sec 13	\$229,075
11/1/12	11/2/12	50,000	1470 1471	15,000 34,323	45 102	14,955 34,221	\$3.9800 \$4.0000	within Sec 13 within Sec 13	\$59,700 \$137,292	1472 1473	35,000 15,100	11/2/12 11/2/12	\$3.8000 \$3.7000	within Sec 13 within Sec 13	\$133,000 \$55,870
			1471	04,020	102	04,221	Ψ4.0000	Within Oct 13	Ψ107,232	1475	10,100	11/2/12	ψ5.7 000	Within Occ 13	φοσ,στο
11/8/12	11/8/12	40,000	1474 1477	14,073 23,680	42 71	14,031 23,609	\$3.9500 \$4.0000	within Sec 13 within Sec 13	\$55,588 \$94,720	1475 1476	14,193 23,183	11/8/12 11/8/12	\$3.7500 \$3.6000	within Sec 13 within Sec 13	\$53,224 \$83,459
11/8/12	11/8/12	40,000	1479	15,949	48	15,901	\$3.9500	within Sec 13	\$62,999	1480	16,086	11/8/12	\$3.5500	within Sec 13	\$57,105
			1481	21,389	64	21,325	\$3.9000	within Sec 13	\$83,417	1482	21,405	11/8/12	\$3.6000	within Sec 13	\$77,058
11/17/12	11/17/12	40,000	1484	39,999	119	39,880	\$3.9000	within Sec 13	\$155,996	1485	39,880	11/17/12	\$3.6500	within Sec 13	\$145,562
11/18/12	11/19/12	20,000	1486	20,000	60	19,940	\$3.9000	within Sec 13	\$78,000	1487	19,940	11/19/12	\$3.6500	within Sec 13	\$72,781
11/21/12	11/22/12	80,000	1490	35,000	104	34,896	\$3.8500	within Sec 13	\$134,750	1491	35,000	11/22/12	\$3.5500	within Sec 13	\$124,250
			1492	45,000	134	44,866	\$3.8500	within Sec 13	\$173,250	1493	44,762	11/22/12	\$3.6000	within Sec 13	\$161,143
11/22/12	11/23/12	70,000	1494	70,000	209	69,791	\$3.8500	within Sec 13	\$269,500	1495	69,791	11/23/12	\$3.6000	within Sec 13	\$251,248
11/23/12	11/23/12	40,000	1498	40,000	119	39,881	\$3.8500	within Sec 13	\$154,000	1499	39,881	11/23/12	\$3.6000	within Sec 13	\$143,572
11/23/12	11/24/12	80,000	1496	79,743	238	79,505	\$3.8500	within Sec 13	\$307,011	1497	79,505	11/24/12	\$3.6000	within Sec 13	\$286,218
11/24/12	11/25/12	75,000	1500	75,000	224	74,777	\$3.8500	within Sec 13	\$288,750	1501	74,777	11/25/12	\$3.6000	within Sec 13	\$269,197
				422.22				111.0.11						111.0	A
11/25/12	11/26/12	160,000	1502	160,000	477	159,523	\$3.8500	within Sec 13	\$616,000	1503	158,599	11/26/12	\$3.6000	within Sec 13	\$570,956
11/30/12	12/1/12	60,000	1507	35,000	105	34,895	\$3.7300	within Sec 13	\$130,550	1508	34,895	12/1/12	\$3.5000	within Sec 13	\$122,133
40/4/45	40/0/40	45.000	1509	25,000	74	24,926	\$3.6500	within Sec 13	\$91,250	1510	24,926	12/1/12	\$3.4000	within Sec 13	\$84,748
12/1/12	12/2/12	45,000	1511 1513	28,578 8,171	86 24	28,492 8,147	\$3.7300 \$3.6500	within Sec 13 within Sec 13	\$106,596 \$29,824	1512 1514	28,497 8,142	12/2/12 12/2/12	\$3.5000 \$3.4000	within Sec 13 within Sec 13	\$99,740 \$27,683
12/4/12	12/5/12	55,000	1516	30,000	89	29,911	\$4.0000	within Sec 14	\$120,000	1520	20,000	12/5/12	\$3.7600	within Sec 13	\$75,200
			1515	25,000	75	24,925	\$3.7900 \$4.0000	within Sec 14 55,000 dths NP	\$94,750	1517 1518	10,000 10,000	12/5/12 12/5/12	\$3.7700 \$3.7650	within Sec 13 within Sec 13	\$37,700 \$37,650
							\$4.0100	10,000 dths NP		1519	4,836	12/5/12	\$3.7600	within Sec 13	\$18,183
										1521	10,000	12/6/12	\$3.7800	within Sec 13	\$37,800
12/10/12	12/11/12	57,000	1523	37,000	110	36,890	\$3.9600	within Sec 13	\$146,520	1528	10,000	12/11/12	\$3.7800	within Sec 13	\$37,800
			1522	20,000	60	19,940	\$3.9000	within Sec 13	\$78,000	1524 1525	10,000 10,000	12/11/12 12/11/12	\$3.7800 \$3.7800	within Sec 13 within Sec 13	\$37,800 \$37,800
										1526	10,000	12/11/12	\$3.7800	within Sec 13	\$37,800

		Amt			In-kind	Net Amt							Sale		
Date notified	Flow Date	needed		Amt (Deba)	0.22% (Daha)	flowed (Dths)	Purchase Price \$/dth	Rule 41 Limit \$/dth	\$Amt		Amt (Daha)	Flow Date	Price \$/dth	Rule 41 Limit \$/dth	\$Amt
notitied	Date	(Dths)		(Dths)	(Dths)	(DTNS)	rrice \$/ath	LIMIT \$/aTh	⊅AMT	1527	(Dths) 6,830	12/11/12	\$3.7600	within Sec 13	\$25,681
										1529	10,000	12/11/12	\$3.7500	within Sec 13	\$37,500
12/18/12	12/19/12	151,000	1535	151,000	450	150,550	\$3.8500	within Sec 13	\$581,350	1538	10,000	12/20/12	\$3.5950	within Sec 13	\$35,950
12/19/12	12/19/12	17,000	1536	17,000	51	16,949	\$3.8500	within Sec 13	\$65,450	1539 1540	5,000 300	12/20/12 12/20/12	\$3.5950 \$3.5950	within Sec 13 within Sec 13	\$17,975 \$1,079
										1541	12,000	12/20/12	\$3.5950	within Sec 13	\$43,140
										1537	117,316	12/19/12	\$3.6000	within Sec 13	\$422,338
12/19/12	12/20/12	309,000	1543	273,000	813	272,187	\$3.7800	within Sec 13	\$1,031,940	1544	300,000	12/20/12	\$3.5700	within Sec 13	\$1,071,000
12/20/12	12/20/12	15,000	1542 1546	36,000 15,000	107 45	35,893 14,955	\$3.7000 \$3.8000	within Sec 13 within Sec 13	\$133,200 \$57,000	1547 1548	15,000 8,000	12/20/12 12/21/12	\$3.4500 \$3.6750	within Sec 13 within Sec 13	\$51,750 \$29,400
12/20/12	12/20/12	110,000	1551	110,000	328	109,672	\$3.8600	within Sec 13	\$424,600	1552	110,000	12/20/12	\$3.2200	within Sec 13	\$354,200
12/20/12	12/21/12	275,000	1553	36,000	107	35,893	\$3.7500	within Sec 13	\$135,000	1555	89,000	12/21/12	\$3.5000	within Sec 13	\$311,500
			1554	239,000	712	238,288	\$3.9000	within Sec 13	\$932,100	1557	20,000	12/21/12	\$3.7600	within Sec 13 within Sec 13	\$75,200 \$75,200
										1558 1559	20,000	12/21/12 12/21/12	\$3.7600 \$3.7600	within Sec 13	\$75,200 \$75,200
										1560	20,000	12/21/12	\$3.7600	within Sec 13	\$75,200
										1561	20,000	12/21/12	\$3.7600	within Sec 13	\$75,200
										1562	20,000	12/21/12	\$3.7600	within Sec 13	\$75,200
										1563 1564	25,800 20,000	12/22-24/2012 12/21/12	\$3.7400 \$3.7600	within Sec 13 within Sec 13	\$96,492 \$75,200
										1565	19,000	12/21/12	\$3.7500	within Sec 13	\$71,250
											. 5,000		, 500	230 13	Ţ. 1,200
12/21/12	12/22/12	72,000	1566	35,959	107	35,852	\$3.7500	within Sec 13	\$134,846	1568	30,000	12/22/12	\$3.7300	within Sec 13	\$111,900
			1567	36,000	107	35,893	\$3.9900	within Sec 13	\$143,640	1569	30,000	12/22/12	\$3.7000	within Sec 13	\$111,000
40/00/40	40/00/40	45.000	4570	45.000	45	44.055	#0.0000	:II: 0 . 10	#50.050	4574	400.000	40/00/40	#0.5000	::: 0 . 10	0570 500
12/22/12	12/23/12 12/25/12	15,000 100,000	1570 1571	15,000 100,000	45 298	14,955 99,702	\$3.9900 \$4.2000	within Sec 13 Section 16	\$59,850 \$420,000	1574 1576	163,000 20,000	12/26/12 12/27/12	\$3.5000 \$3.6700	within Sec 13 within Sec 13	\$570,500 \$73,400
12/25/12	12/26/12	248,000	1573	162,999	486	162,513	\$3.9000	within Sec 13	\$635,696	1577	15,000	12/27/12	\$3.6700	within Sec 13	\$55,050
			1575	25,000	74	24,926	\$3.9000	within Sec 13	\$97,500	1578	30,000	12/27/12	\$3.6700	within Sec 13	\$110,100
			1579	60,000	179	59,821	\$3.9000	within Sec 13	\$234,000	1580	60,000	12/26/12	\$3.2700	within Sec 13	\$196,200
										1581	20,000	12/26/12	\$3.6700	within Sec 13	\$73,400
										1582 1583	10,000 15,000	12/26/12 12/26/12	\$3.6600 \$3.6800	within Sec 13 within Sec 13	\$36,600 \$55,200
										1584	20,000	12/26/12	\$3.6700	within Sec 13	\$73,400
12/26/12	12/27/12	176,000	1585	36,000	107	35,893	\$3.7000	within Sec 13	\$133,200	1587	35,000	12/27/12	\$3.5000	within Sec 13	\$122,500
			1586	35,000	104	34,896	\$3.8000	within Sec 13	\$133,000	1589	105,000	12/27/12	\$3.5000	within Sec 13	\$367,500
40/07/40	40/07/40	00.000	1588	105,000	314	104,686	\$3.8000	within Sec 13	\$399,000	1591	32,000	Att	\$3.5000	within Sec 13	\$112,000
12/27/12	12/27/12	32,000	1590	32,000	95	31,905	\$3.8000	within Sec 13	\$121,600	1593 1595	20,000 171,000	12/27/12 12/28/12	\$3.6000 \$3.4000	within Sec 13 within Sec 13	\$72,000 \$581,400
12/27/12	12/28/12	207,000	1592	36,000	107	35,893	\$3.6800	within Sec 13	\$132,480	1596	20,000	12/27/12	\$3.6000	within Sec 13	\$72,000
			1594	171,000	510	170,490	\$3.7000	within Sec 13	\$632,700	1597	20,000	12/28/12	\$3.6000	within Sec 13	\$72,000
12/28/12	12/28/12	43,000	1598	43,000	128	42,872	\$3.7000	within Sec 13	\$159,100	1599	43,000	12/28/12	\$3.4000	within Sec 13	\$146,200
										1600 1603	10,000	12/28/12 12/28/12	\$3.6300 \$3.6700	within Sec 13	\$36,300 \$36,700
										1603	20,000	12/28/12	\$3.6700	within Sec 13 within Sec 13	\$73,400
12/28/12	12/29/12	100,000	1605	20,000	60	19,940	\$3.7000	within Sec 13	\$74,000	1607	25,000	12/29/12	\$3.4000	within Sec 13	\$85,000
			1606	25,000	74	24,926	\$3.7000	within Sec 13	\$92,500	1609	55,000	12/29/12	\$3.4000	within Sec 13	\$187,000
			1608	55,000	164	54,836	\$3.7000	within Sec 13	\$203,500	1611	15,000	12/29-31/2012	\$3.6600	within Sec 13	\$54,900
12/29/12	12/30/12 12/30/12	92,000 37,000	1612 1614	92,000 37,000	274 110	91,726 36,890	\$3.7000 \$3.7000	within Sec 13 within Sec 13	\$340,400 \$136,900	1613 1615	92,000 37,000	12/30/12 12/30/12	\$3.4000 \$3.4000	within Sec 13 within Sec 13	\$312,800 \$125,800
12/30/12	12/31/12	84,000	1616	84,000	250	83,750	\$3.7000	within Sec 13	\$310,800	1617	84,000	12/31/12	\$3.4000	within Sec 13	\$285,600
12/31/12	12/31/12	45,000	1618	26,000	77	25,923	\$3.7000	within Sec 13	\$96,200	1620	19,000	12/31/12	\$3.4000	within Sec 13	\$64,600
			1619	19,000	57	18,943	\$3.7000	within Sec 13	\$70,300	1621	25,000	12/31/12	\$3.6600	within Sec 13	\$91,500
										1622	15,000	12/31/12	\$3.6300	within Sec 13	\$54,450
12/31/12	1/1/13	116,000	1623	116,000	378	115,622	\$3.8000	within Sec 13	\$440,800	1624	116,000	1/1/13	\$3.5000	within Sec 13	\$406,000
1/1/13	1/1/13	92,000	1625	92,000	300	91,700	\$3.9800	Section 16	\$366,160	1626	92,000	1/1/13	\$3.2300	within Sec 13	\$297,160
1/1/13	1/2/13	262,000	1627	15,000	49	14,951	\$3.8500	within Sec 13	\$57,750	1629	40,000	1/2/13	\$3.5500	within Sec 13	\$142,000
-			1628 1630	40,000 207,000	130 675	39,870 206,325	\$3.8500 \$3.8800	within Sec 13 within Sec 13	\$154,000 \$803,160	1631 1632	207,000	1/2/13	\$3.2900 \$3.4800	within Sec 13 within Sec 13	\$681,030 \$34,800
			1000	201,000	0/0	200,020	ψ0.0000	WIGHIN OCC 15	φοσο,100	1633	7,700	1/2/13	\$3.4700	within Sec 13	\$26,719
1/2/13	1/3/13	280,000	1634	44,993	147	44,846	\$3.8000	within Sec 13	\$170,973	1635	44,999	1/3/13	\$3.4500	within Sec 13	\$155,247
			1636	235,000	766	234,234	\$3.8100	within Sec 13	\$895,350	1637	49,987	1/3/13	\$3.4700	within Sec 13	\$173,455
1/3/13	1/3/13	18,000	1640	18,000	58	17,942	\$3.7000	within Sec 13	\$66,600	1638	79,980	1/3/13	\$3.4500	within Sec 13	\$275,931
-										1639 1641	85,000 15,000	1/3/13 1/4/13	\$3.3700 \$3.4450	within Sec 13 within Sec 13	\$286,450 \$51,675
1/3/13	1/4/13	290,000	1642	73,037	238	72,799	\$3.6500	within Sec 13	\$266,585	1643	75,000	1/4/13	\$3.2500	within Sec 13	\$243,750
		-,	1644	35,498	115	35,383	\$3.5500	within Sec 13	\$126,018	1646	100,000	1/4/13	\$3.1500	within Sec 13	\$315,000
			1645	100,000	326	99,674	\$3.6700	within Sec 13	\$367,000	1648	79,000	1/4/13	\$3.1200	within Sec 13	\$246,480
		42.27	1647	79,000	258	78,742	\$3.6700	within Sec 13	\$289,930	1649	32,500	1/4/13	\$3.4100	within Sec 13	\$110,825
1/4/13	1/4/13	42,000	1651	42,000	137	41,863	\$3.7000	within Sec 13	\$155,400	1650 1652	20,000 42,000	1/4/13 1/4/13	\$3.4100 \$3.1200	within Sec 13 within Sec 13	\$68,200 \$131,040
1/4/13	1/5/13	165,000	1653	16,000	52	15,948	\$3.6500	within Sec 13	\$58,400	1655	49,999	1/4/13	\$3.3800	within Sec 13	\$131,040
		,	1654	50,000	163	49,837	\$3.6800	within Sec 13	\$184,000	1659	70,000	1/6/13	\$3.1500	within Sec 13	\$220,500
			1656	99,000	323	98,677	\$3.7000	within Sec 13	\$366,300	1661	70,000	1/7/13	\$3.3000	within Sec 13	\$231,000
										1663	126,000	1/7/13	\$3.1500	within Sec 13	\$396,900

	-	Amt			In-kind	Net Amt		5 1 44			4.		Sale	5 1 44	
Date notified	Flow Date	needed (Dths)		Amt (Dths)	0.22% (Dths)	flowed (Dths)	Purchase Price \$/dth	Rule 41 Limit \$/dth	\$Amt		Amt (Dths)	Flow Date	Price \$/dth	Rule 41 Limit \$/dth	\$Amt
						` '									
1/5/13	1/6/13 1/6/13	106,000	1657 1658	106,000	346	105,654	\$3.7000	within Sec 13	\$392,200	1666 1669	1,000 50,000	1/7/13	\$3.3000	within Sec 13 within Sec 13	\$3,300
1/6/13	1/6/13	70,000	1008	67,453	219	67,234	\$3.8000	within Sec 13	\$256,321	1670	50,000	1/8/13	\$3.6400 \$3.6450	within Sec 13	\$182,000 \$182,250
1/6/13	1/7/13	196,000	1660	70,000	228	69,772	\$3.7000	within Sec 13	\$259,000	1673	20,000	1/8/13	\$3.4000	within Sec 13	\$68,000
		,	1662	126,000	411	125,589	\$3.8000	within Sec 13	\$478,800	1675	60,000	1/8/13	\$3.4000	within Sec 13	\$204,000
1/7/13	1/7/13	17,000	1664	16,000	52	15,948	\$3.6500	within Sec 13	\$58,400	1677	100,000	1/8/13	\$3.3000	within Sec 13	\$330,000
			1665	1,000	3	997	\$3.7000	within Sec 13	\$3,700	1679	80,000	1/8/13	\$3.3000	within Sec 13	\$264,000
										1680	50,000	1/7/13	\$3.5500	within Sec 13	\$177,500
1/7/13	1/8/13	296,000	1671	35,351	115	35,236	\$3.8000	within Sec 13	\$134,334	1681	50,000	1/8/13	\$3.5400	within Sec 13	\$177,000
			1672	20,000	65	19,935	\$3.8000	within Sec 13	\$76,000	1683	10,000	1/9/13	\$3.5400	within Sec 13	\$35,400
			1674	60,000	196	59,804	\$3.8000	within Sec 13	\$228,000	1684	30,000	1/9/13	\$3.5400	within Sec 13	\$106,200
			1676	100,000	326	99,674	\$3.8000	within Sec 13	\$380,000	1685	10,000	1/9/13	\$3.5400	within Sec 13	\$35,400
1/8/13	1/8/13	15,000	1678 1682	80,000 15,000	261 49	79,739 14,951	\$3.8000 \$3.8000	within Sec 13 within Sec 13	\$304,000 \$57,000	1689 1690	10,000 20,000	1/9/13 1/9/13	\$3.5400 \$3.5400	within Sec 13 within Sec 13	\$35,400 \$70,800
1/0/13	1/0/13	13,000	1002	13,000	45	14,331	\$3.0000	Within Sec 13	\$37,000	1030	20,000	1/9/13	\$5.5400	Within Sec 13	\$70,000
1/8/13	1/9/13	305,000	1691	36,000	117	35,883	\$3.7500	within Sec 13	\$135,000	1693	81,000	1/9/13	\$3.3500	within Sec 13	\$271,350
			1692	81,000	264	80,736	\$3.7500	within Sec 13	\$303,750	1695	40,000	1/9/13	\$3.3500	within Sec 13	\$134,000
			1694	39,999	130	39,869	\$3.7500	within Sec 13	\$149,996	1697	148,000	1/9/13	\$3.2600	within Sec 13	\$482,480
			1696	147,999	483	147,516	\$3.7500	within Sec 13	\$554,996	1705	35,212	1/10/13	\$3.4800	within Sec 13	\$122,538
1/9/13	1/10/13	150,000	1698	19,000	61	18,939	\$3.4376	within Sec 13	\$65,314	1706	25,000	1/10/13	\$3.5100	within Sec 13	\$87,750
			1700	25,000	82	24,918	\$3.4500	within Sec 13	\$86,250	1707	25,000	1/10/13	\$3.5100	within Sec 13	\$87,750
			1701	50,000	163	49,837	\$3.4500	within Sec 13	\$172,500	1708	5,000	1/10/13	\$3.5100	within Sec 13	\$17,550
			1703	20,000	65	19,935	\$3.4500	within Sec 13	\$69,000	1709	25,000	1/10/13	\$3.5100	within Sec 13	\$87,750
			1704	36,000	117	35,883	\$3.4400	within Sec 13	\$123,840	1710	20,000	1/10/13	\$3.5100	within Sec 13	\$70,200
1/9/13	1/10/13	290,000	1711	26,000	85	25,915	\$3.7000	within Sec 13	\$96,200	1713	106,000	1/10/13	\$3.3000	within Sec 13	\$349,800
			1712	106,000	346	105,654	\$3.7000	within Sec 13	\$392,200	1715	158,000	1/10/13	\$3.3100	within Sec 13	\$522,980
			1714	158,000	515	157,485	\$3.7000	within Sec 13	\$584,600	1716	70,000	1/11/13	\$3.4950	within Sec 13	\$244,650
										1717	7,600	1/9-10/13	\$3.4000	within Sec 13	\$25,840
1/10/13	1/11/13	625,000	1718	250,000	815	249,185	\$3.6700	within Sec 13	\$917,500	1719	250,000	1/11/13	\$3.1700	within Sec 13	\$792,500
1/10/13	1/11/10	020,000	1720	126,000	411	125,589	\$3.6700	within Sec 13	\$462,420	1721	126,000	1/11/13	\$3.1700	within Sec 13	\$399,420
			1722	99,884	326	99,558	\$3.6500	within Sec 13	\$364,577	1723	100,000	1/11/13	\$3,2000	within Sec 13	\$320,000
			1724	38,000	123	37,877	\$3.8000	within Sec 14	\$144,400	1726	111,000	1/11/13	\$3.1700	within Sec 13	\$351,870
			1725	111,000	362	110,638	\$3.6700	within Sec 13	\$407,370	1730	348,000	1/12-14/13	\$3.4300	within Sec 13	\$1,193,640
1/11/13	1/12/13	400,000	1727	20,000	65	19,935	\$3.9000	within Sec 13	\$78,000	1732	339,000	1/12-14/13	\$3.4300	within Sec 13	\$1,162,770
			1728	36,000	117	35,883	\$3.9300	within Sec 13	\$141,480	1735	90,000	1/12-14/13	\$3.4300	within Sec 13	\$308,700
			1729	116,000	378	115,622	\$3.9300	within Sec 13	\$455,880	1737	36,000	1/12/13	\$3.4300	within Sec 13	\$123,480
			1731	113,000	368	112,632	\$3.9300	within Sec 13	\$444,090	1739	41,000	1/13/13	\$3.4500	within Sec 13	\$141,450
			1734	115,000	375	114,625	\$3.9300	within Sec 13	\$451,950	1745	66,000	1/14/13	\$3.4300	within Sec 13	\$226,380
1/11/13	1/12/13	142,000	1733	106,000	346	105,654	\$3.9300	within Sec 13	\$416,580	1747	30,000	1/13/13	\$3.4300	within Sec 13	\$102,900
			1736	36,000	118	35,882	\$3.9300	within Sec 13	\$141,480	1749	600,000	1/15/13	\$3.6600	within Sec 13	\$2,196,000
1/11/13	1/13/13	400,000	1727	20,000	65	19,935	\$3.9000	within Sec 13	\$78,000	1753	200,000	1/15/13	\$3.4600	within Sec 13	\$692,000
			1728	36,000	117	35,883	\$3.9300	within Sec 13	\$141,480	1755	150,000	1/15/13	\$3.4600	within Sec 13	\$519,000
			1729	116,000	378	115,622	\$3.9300	within Sec 13	\$455,880	1760	96,000	1/15/13	\$3.6000	within Sec 13	\$345,600
			1731	113,000	368	112,632	\$3.9300	within Sec 13	\$444,090	1768	600,000	1/17/13	\$3.6650	within Sec 13	\$2,199,000
4/40/40	4/40/40	400.000	1734	115,000	375	114,625	\$3.9300	within Sec 13	\$451,950	1776	116,000	1/16/13	\$3.6500	within Sec 13	\$423,400
1/12/13	1/13/13	133,000	1738 1740	40,909 64,000	134 209	40,775 63,791	\$3.9300 \$3.9300	within Sec 13 within Sec 13	\$160,772 \$251,520	1779 1780	30,000 50,000	1/16/13 1/16/13	\$3.7100 \$3.7100	within Sec 13 within Sec 13	\$111,300 \$185,500
			1741	28,000	91	27,909	\$3.9300	within Sec 13	\$110,040	1782	5,000	1/16/13	\$3.7000	within Sec 13	\$18,500
1/13/13	1/13/13	30,000	1746	30,000	98	29,902	\$3.9300	within Sec 13	\$117,900	1783	50,000	1/17/13	\$3.6550	within Sec 13	\$182,750
		,					*******		*****	1789	126,000	1/17/13	\$3.6000	within Sec 13	\$453,600
1/11/13	1/14/13	400,000	1727	20,000	65	19,935	\$3.9000	within Sec 13	\$78,000		500,000	1/18/13	\$3.6450	within Sec 13	\$1,822,500
			1728	36,000	117	35,883	\$3.9300	within Sec 13	\$141,480		50,000	1/16/13	\$3.6200	within Sec 13	\$181,000
			1729	114,639	374	114,265	\$3.9300	within Sec 13	\$450,531	1803	126,000	1/18/13	\$3.6500	within Sec 13	\$459,900
			1731	113,000	369	112,631	\$3.9300	within Sec 13	\$444,090	1805	320,000	1/19-22/13	\$3.7400	within Sec 13	\$1,196,800
			1734	115,000	375	114,625	\$3.9300	within Sec 13	\$451,950		100,000	1/18/13	\$3.7500	within Sec 13	\$375,000
1/13/13	1/14/13	158,000	1742	64,000	209	63,791	\$3.9300	within Sec 13	\$251,520		96,000	1/19/13	\$3.7600	within Sec 13	\$360,960
			1743	28,000	91	27,909	\$3.9300	within Sec 13	\$110,040		80,000	1/19-22/13	\$3.7600	within Sec 13	\$300,800
4/4 ****	4/4	77	1744	66,000	215	65,785	\$3.9300	within Sec 13	\$259,380		160,000	1/19-22/13	\$3.7600	within Sec 13	\$601,600
1/14/13	1/14/13	77,000	1763	15,000	49	14,951	\$4.1500	within Sec 14	\$62,250		96,000	1/20/13	\$3.7500	within Sec 13	\$360,000
-			1764 1765	15,500 30,500	50 99	15,450 30,401	\$4.1500 \$4.1800	within Sec 14 within Sec 14	\$64,325 \$127,490	1819 1823	210,000 50,000	1/20-22/13	\$3.7500 \$3.7400	within Sec 13 within Sec 13	\$787,500 \$187,000
			1/00	30,500	99	30,401	\$4.1800 \$4.5000	40000 dths NP	φ121,490	1823	25,000	1/21/13	\$3.7400	within Sec 13	\$187,000
1/13/13	1/15/13	400,000	1748	17,183	56	17,127	\$3.8303	within Sec 13	\$65,816		25,000	1/23/13	\$3.8000	within Sec 13	\$95,000
	10, 10	. 50,000	1750	24,878	81	24,797	\$3.8200	within Sec 13	\$95,034		20,000	1/23/13	\$3.8050	within Sec 13	\$76,100
			1751	7,460	24	7,436	\$3.8500	within Sec 13	\$28,721	1831	10,000	1/23/13	\$3.8000	within Sec 13	\$38,000
			1752	187,040	611	186,429	\$3.9600	within Sec 13	\$740,678		10,000	1/23/13	\$3.8050	within Sec 13	\$38,050
			1754	147,286	480	146,806	\$3.9600	within Sec 13	\$583,253	1833	10,000	1/23/13	\$3.8000	within Sec 13	\$38,000
1/14/13	1/15/13	330,000	1756	23,125	75	23,050	\$4.0000	within Sec 13	\$92,500	1834	85,100	1/23/13	\$3.8000	within Sec 13	\$323,380
			1757	34,828	114	34,714	\$4.0500	within Sec 13	\$141,053	1835	100,000	1/23/13	\$3.8000	within Sec 13	\$380,000
			1758	29,868	97	29,771	\$4.0500	within Sec 13	\$120,965	1836	30,000	1/22/13	\$3.8000	within Sec 13	\$114,000
			1759	95,481	311	95,170	\$4.0500	within Sec 13	\$386,698		100,000	1/23/13	\$3.8000	within Sec 13	\$380,000
			1761	98,190	321	97,869	\$4.1000	within Sec 13	\$402,579	1839	20,000	1/23/13	\$3.8100	within Sec 13	\$76,200
			1762	32,855	107	32,748	\$4.1500	within Sec 13	\$136,348	1840	20,000	1/23/13	\$3.8000	within Sec 13	\$76,000
1/15/13	1/15/13	72,000	1767	44,603	145	44,458	\$4.0000	within Sec 13	\$178,412		10,000	1/23/13	\$3.8100	within Sec 13	\$38,100
1/15/13	1/15/13	100,000	1777	50,000		49,166	\$4.5172	within Sec 15	\$225,860		300,000	1/24/13	\$3.7550	within Sec 13	\$1,126,500
-			1778	50,000	833	49,167	\$4.6172	within Sec 15	\$230,860	1852	250,000	1/25/13	\$3.8150	within Sec 13	\$953,750 \$774,000
1/15/13	1/16/13	499,000	1769	40,000	130	39,870	\$4.0500	within Sec 14	\$162,000	1857 1861	210,000 104,985	1/26-28/13	\$3.6900 \$3.5700	within Sec 13 within Sec 13	\$774,900 \$374,796
1/13/13	1/10/13	700,000	1770	36,000	117	35,883	\$4.0500	within Sec 14	\$162,000	1001	104,300	1/01/10	ψυ.υ100	WILLING 13	ψ <i>01</i> 4 ,1 30
			1771	15,000	49	14,951	\$4.0000	within Sec 14	\$60,000				 		
		<u> </u>	1	. 5,000	43	. 4,551	÷	556 15	\$00,000	1	1		1	l	

	-	44			To blood	No. A. A.							C-I-	_	
Date	Flow	Amt needed		Amt	In-kind 0.22%	Net Amt flowed	Purchase	Rule 41	.		Amt	Flow	Sale Price	Rule 41	
notified	Date	(Dths)	4770	(Dths)	(Dths)	(Dths)	Price \$/dth	Limit \$/dth	\$Amt		(Dths)	Date	\$/dth	Limit \$/dth	\$Amt
			1772 1773	74,914 14,000	244 46	74,670 13,954	\$4.1500 \$4.1500	within Sec 14 within Sec 14	\$310,893 \$58,100						
			1774	198,341	648	197,693	\$4.1500	within Sec 14	\$823,115						
			1775	116,000	378	115,622	\$4.1500	within Sec 14	\$481,400				1		
1/15/13	1/16/13	50,000	1781	50,000	834	49,166	\$4.3172	within Sec 15	\$215,860						
1/16/13	1/16/13	59,000	1784	14,400	47	14,353	\$3.9500	within Sec 13	\$56,880						
4/40/40	4/47/40	404.000	4700	70.400	040	70.454	¢2.0000	ithin Con 42	\$207.000						
1/16/13	1/17/13	464,000	1786 1787	76,400 61,600	249 201	76,151 61,399	\$3.9000 \$3.9700	within Sec 13 within Sec 13	\$297,960 \$244,552						
			1788	126,000	411	125,589	\$4.0000	within Sec 13	\$504,000						
			1790	60,000	196	59,804	\$4.0000	within Sec 13	\$240,000						
			1791	15,000	49	14,951	\$4.0000	within Sec 13	\$60,000						
			1792	124,847	407	124,440	\$4.0500	within Sec 14	\$505,630						
1/17/13	1/17/13	49,000	1796	15,000	48	14,952	\$3.9000	within Sec 13	\$58,500						
1/17/13	1/18/13	460,000	1798 1799	80,000 14,999	261 49	79,739 14,950	\$3.8500 \$3.8600	within Sec 13 within Sec 13	\$308,000						
			1800	80,000	261	79,739	\$3.8600	within Sec 13	\$57,896 \$313,600						
			1801	58,600	191	58,409	\$3.9100	within Sec 13	\$229,126						
			1802	126,000	411	125,589	\$3.9500	within Sec 13	\$497,700						
			1804	100,400	327	100,073	\$3.9500	within Sec 13	\$396,580						
1/18/13	1/19/13	321,000	1807	36,000	117	35,883	\$3.8700	within Sec 13	\$139,320						
			1808	90,000	293	89,707	\$3.9100	within Sec 13	\$351,900						
			1809 1810	96,000 99,000	313 323	95,687 98,677	\$3.9400 \$3.9500	within Sec 13 within Sec 13	\$378,240 \$391,050						
1/19/13	1/20/13	310,000	1814	89,473	292	89,181	\$3.8500	within Sec 13	\$344,471						
1710710	1,20,10	010,000	1815	85,000	277	84,723	\$3.8700	within Sec 13	\$328,950						
			1816	96,000	313	95,687	\$3.8700	within Sec 13	\$371,520						
			1818	39,000	127	38,873	\$3.8800	within Sec 13	\$151,320						
1/20/13	1/21/13	288,000	1820	90,000	293	89,707	\$3.8000	within Sec 13	\$342,000						
			1821	46,000	150	45,850	\$3.8200	within Sec 13	\$175,720						
			1822	50,000	163	49,837	\$3.8200	within Sec 13	\$191,000						
1/21/13	1/22/13	310,000	1824 1825	102,000 46,000	333 150	101,667 45,850	\$3.8300 \$3.8200	within Sec 13 within Sec 13	\$390,660 \$175,720						
.,,,,,,	1,22,10	010,000	1826	200,000	652	199,348	\$3.8300	within Sec 13	\$766,000						
			1827	64,000	209	63,791	\$3.8500	within Sec 13	\$246,400						
1/22/13	1/23/13	282,000	1842	34,000	111	33,889	\$3.8000	within Sec 13	\$129,200						
			1843	15,000	48	14,952	\$3.8000	within Sec 13	\$57,000						
			1844	100,000	326	99,674	\$3.8300	within Sec 13	\$383,000						
4/00/40	4/04/40	220,000	1845	133,000	434	132,566	\$3.8300	within Sec 13	\$509,390						
1/23/13	1/24/13	236,000	1847 1848	105,000 25,000	342 82	104,658 24,918	\$3.7600 \$3.8000	within Sec 13 within Sec 13	\$394,800 \$95,000						
			1849	15,000	49	14,951	\$3.8000	within Sec 13	\$57,000						
			1850	20,000	65	19,935	\$3.8100	within Sec 13	\$76,200						
			1851	71,000	231	70,769	\$3.8300	within Sec 13	\$271,930						
1/24/13	1/25/13	174,000	1854	14,999	48	14,951	\$3.7600	within Sec 13	\$56,396						
			1855	110,000	359	109,641	\$3.8100	within Sec 13	\$419,100						
4/07/40	4/00/40	20.000	1856	49,000	160	48,840	\$3.8100	within Sec 13	\$186,690						
1/27/13	1/28/13	93,000	1859 1860	25,000 68,000	81 222	24,919 67,778	\$3.8000 \$3.8000	within Sec 13 within Sec 13	\$95,000 \$258,400						
			1000	08,000	222	07,770	ψ3.0000	Within Sec 13	φ230,400						
3/12/13	3/13/13	40,000	1872	10,000	32	9,968	\$3.8500	within Sec 13	\$38,500	1874	39,859	3/13/13	\$3.8550	within Sec 13	\$153,656
			1873	30,000	98	29,902	\$3.9000	within Sec 13	\$117,000						
3/15/13	3/16/13	30,000	1875	30,000	98	29,902	\$4.0700	within Sec 13	\$122,100	1878	74,767	3/19/13	\$4.1450	within Sec 13	\$309,909
2/47/40	2/10/12	75.000	1070	40.000	400	20.070	¢4.0700	within C 40	£400 000	1879	7,500	3/18/13	\$4.1600	within Sec 13	\$31,200
3/17/13	3/18/13	75,000	1876 1877	40,000 35,000	130 114	39,870 34,886	\$4.0700 \$4.0000	within Sec 13 within Sec 13	\$162,800 \$140,000	1880 1881	7,402 15,000	3/18/13	\$4.1600 \$4.1500	within Sec 13 within Sec 13	\$30,792 \$62,250
			.011	55,000	114	U-1,000	ψ 7.0000		ψ140,000	.001	10,000	5/10/13	ψ 1 . 1300		ψυ2,200
3/19/13	3/20/13	50,000	1882	25,000	82	24,918	\$4.2400	within Sec 13	\$106,000	1884	49,836	3/21/13	\$4.1900	within Sec 13	\$208,813
			1883	25,000	81	24,919	\$4.2500	within Sec 13	\$106,250						
3/21/13	3/21/13	30,000	1885	9,999	33	9,966	\$4.2500	within Sec 13	\$42,496	1887	10,000	3/22/13	\$4.1500	within Sec 13	\$41,500
			1886	20,000	65	19,935	\$4.3500	within Sec 13	\$87,000	1888	10,000	3/22/13	\$4.1500	within Sec 13	\$41,500
										1889 1891	9,000 902	3/22/13	\$4.1500 \$4.1500	within Sec 13 within Sec 13	\$37,350 \$3,743
										1091	902	3/22/13	φ4.1000	WILLIEF SEC 13	φ3,743
3/26/13	3/27/13	83,000	1897	20,000	65	19,935	\$4.2500	within Sec 13	\$85,000	1900	80,000	3/27/13	\$4.2500	within Sec 13	\$340,000
			1898	15,000	49	14,951	\$4.3000	within Sec 13	\$64,500	1901	2,729	3/27/13	\$4.2600	within Sec 13	\$11,626
			1899	48,000	157	47,843	\$4.3200	within Sec 13	\$207,360						
6/13/13	6/13/13	98,000	1915	10,000	27	9,973	\$3.8500	within Sec 13	\$38,500	1916	10,000	6/13/13	\$3.8500	within Sec 13	\$38,500
ļ			1917	60,000	159	59,841	\$3.9500	within Sec 13	\$237,000 \$113,400	1919	50,000	6/14/13	\$3.9100	within Sec 13	\$195,500 \$117,300
			1918	28,000	74	27,926	\$4.0500	within Sec 13	\$113,400	1920 1921	30,000 7,740	6/14/13	\$3.9100 \$3.9900	within Sec 13 within Sec 13	\$117,300 \$30,883
										.521	7,740	5/11/15	\$3.3300		ψ30,003
6/26/13	6/27/13	186,000	1936	23,000	61	22,939	\$3.9000	within Sec 13	\$89,700	1937	23,000	6/27/13	\$3.9000	within Sec 13	\$89,700
			1938	13,507	35	13,472	\$4.0000	within Sec 13	\$54,028	1939	15,000	6/27/13	\$3.9250	within Sec 13	\$58,875
			1942	147,432	391	147,041	\$4.1500	within Sec 13	\$611,843	1943	147,464	6/27/13	\$3.9250	within Sec 13	\$578,796
6/27/13	6/27/13	50,000	1944	50,000	133	49,867	\$4.2000	within Sec 14	\$210,000	1945	50,000	6/27/13	\$3.9250	within Sec 13	\$196,250
							\$4.2300	10,000 dths NP					1		

Date	Flow	Amt needed		Amt	In-kind 0,22%	Net Amt flowed	Purchase	Rule 41			Amt	Flow	Sale Price	Rule 41	
notified	Date	(Dths)		(Dths)	(Dths)	(Dths)	Price \$/dth	Limit \$/dth	\$Amt		(Dths)	Date	\$/dth	Limit \$/dth	\$Amt
							\$4.3500 \$4.3800	10,000 dths NP 50,000 dths NP							
							ψ4.3000	00,000 dais ivi							
6/27/13	6/28/13	238,000	1949	13,811	37	13,774	\$4.0500	within Sec 13	\$55,935	1950	16,000	6/28/13	\$3.8000	within Sec 13	\$60,800
	6/28/13		1951	30,000	80	29,920	\$4.1000	within Sec 13	\$123,000		9,100	6/27/13	\$3.8100	within Sec 13	\$34,671
0/00/40	6/28/13	67.000	1952	151,004	400	150,604	\$4.2000	within Sec 13	\$634,217	1957	10,000	6/28/13	\$3.8000	within Sec 13	\$38,000
6/28/13	6/28/13 6/28/13	67,000 100,000	1973 1989	4,667 9,115	12 24	4,655 9,091	\$4.2600 \$4.3100	within Sec 13	\$19,881 \$39,286	1958 1960	2,500 10,000	6/27/13 6/27/13	\$3.8300 \$3.8300	within Sec 13 within Sec 13	\$9,575 \$38,300
0/20/13	6/28/13	100,000	1990	44,076	117	43,959	\$4.3800	within Sec 14 within Sec 14	\$193,053		9,000	6/27/13	\$3.8500	within Sec 13	\$34,650
	0/20/10		1000	11,010		10,000	\$4.4800	27,000 dths NP	ψ100,000	1001	0,000	0/21/10	ψ0.0000	William 600 10	ψο 1,000
6/28/13	6/29/13	255,000	1981	16,000	42	15,958	\$4.1350	within Sec 13	\$66,160	1962	7,500	6/27/13	\$3.8300	within Sec 13	\$28,725
	6/29/13		1988	25,000	66	24,934	\$4.1500	within Sec 13	\$103,750	1963	20,000	6/27/13	\$3.8400	within Sec 13	\$76,800
	6/29/13		1993	198,000	525	197,475	\$4.2000	within Sec 13	\$831,600		20,000	6/27/13	\$3.8700	within Sec 13	\$77,400
	6/29/13		1995	15,902	42	15,860	\$4.3200	within Sec 14	\$68,697	1966	20,000	6/27/13	\$3.8600	within Sec 13	\$77,200
6/29/13	6/29/13	210,000	1999	15,000	39	14,961	\$4.5500	within Sec 14	\$68,250	1967	20,000	6/27/13	\$3.8600	within Sec 13	\$77,200
	6/29/13 6/29/13		2000	143,968 50,000	382 133	143,586 49,867	\$5.2500 \$5.2500	within Sec 14 within Sec 14	\$755,832 \$262,500	1972 1972	10,000 10,000	6/29/13 6/30/13	\$3.8800 \$3.8800	within Sec 13 within Sec 13	\$38,800 \$38,800
	6/29/13		2001	50,000	133	49,867	\$5.2500	within Sec 14	\$262,500	1972	10,000	6/30/13	\$3.8800	within Sec 13	\$38,800
6/28/13	6/30/13	255,000	1981	16,000	42	15,958	\$4.1350	within Sec 13	\$66,160	1974	10,000	6/29/13	\$3.8650	within Sec 13	\$38,650
	6/30/13		1988	25,000	66	24,934	\$4.1500	within Sec 13	\$103,750		10,000	6/30/13	\$3.8650	within Sec 13	\$38,650
	6/30/13		1993	198,000	525	197,475	\$4.2000	within Sec 13	\$831,600	1975	5,000	6/29/13	\$3.8600	within Sec 13	\$19,300
	6/30/13		1995	15,902	42	15,860	\$4.3200	within Sec 14	\$68,697	1975	5,000	6/30/13	\$3.8600	within Sec 13	\$19,300
6/28/13	6/30/13	100,000	2001	50,000	133	49,867	\$5.2500	within Sec 14	\$262,500		20,000	6/28/13	\$3.8500	within Sec 13	\$77,000
	6/30/13		2002	35,000	93	34,907	\$5.2500	within Sec 14	\$183,750	1978	10,000	6/28/13	\$3.8500	within Sec 13	\$38,500
	6/30/13		2004	15,000	40	14,960	\$4.6000	within Sec 14	\$69,000	1980	3,500	6/29/13	\$3.8400	within Sec 13	\$13,440
6/29/13	6/30/13	28,000	2007	28,000	74	27,926	\$5.0000	within Sec 14	\$140,000	1980	3,500	6/30/13	\$3.8400	within Sec 13	\$13,440
							\$5.2500	28,000 dths NP							
							\$5.5000	28,000 dths NP							
										4004	400.000	0/00/40	#0.0000	W. O. 10	0.450,400
										1984 1985	120,000 10,000	6/28/13 6/28/13	\$3.8200 \$3.8300	within Sec 13 within Sec 13	\$458,400 \$38,300
										1986	2,000	6/28/13	\$3.8300	within Sec 13	\$7,660
										1987	30,000	6/28/13	\$3.8400	within Sec 13	\$115,200
										1991	20,000	6/29/13	\$3.8500	within Sec 13	\$77,000
										1991	20,000	6/30/13	\$3.8500	within Sec 13	\$77,000
										1992	50,000	6/29/13	\$3.8500	within Sec 13	\$192,500
										1992	50,000	6/30/13	\$3.8500	within Sec 13	\$192,500
										1997	100,000	6/29/13	\$3.8600	within Sec 13	\$386,000
										1997	100,000	6/30/13	\$3.8600	within Sec 13	\$386,000
										1998	30,000	6/28/13	\$3.8800	within Sec 13	\$116,400
										2003	150,000	6/29/13	\$3.8200	within Sec 13	\$573,000
										2006	4,673	6/29/13	\$3.8800	within Sec 13	\$18,131
										2008	150,000	6/30/13	\$3.8800	within Sec 13	\$582,000
										2009	26,711	6/30/13	\$3.8800	within Sec 13	\$103,639
6/28/13	7/1/13	295,000	1988	25,000	48	24,952	\$4.1500	within Sec 13	\$103,750	1983	74,000	7/1/13	\$3.7500	within Sec 13	\$277,500
0/20/10	771710	200,000	1982	42,000	81	41,919	\$4.1350	within Sec 13	\$173,670		100,000	7/1/13	\$3.8600	within Sec 13	\$386,000
			1994	120,000	231	119,769	\$4.2000	within Sec 13	\$504,000		150,000	7/2/13	\$3.9650	within Sec 13	\$594,750
			1996	108,000	207	107,793	\$4.3200	within Sec 14	\$466,560	2012	50,000	7/1/13	\$3.9600	within Sec 13	\$198,000
6/28/13	7/1/13	100,000	2001	50,000	96	49,904	\$5.2500	within Sec 14	\$262,500	2014	21,700	7/2/13	\$3.9000	within Sec 13	\$84,630
			2002	35,000	67	34,933	\$5.2500	within Sec 14	\$183,750	2018	30,000	7/3/13	\$3.9400	within Sec 13	\$118,200
			2004	15,000	29	14,971	\$4.6000	within Sec 14	\$69,000						
6/30/13	7/1/13	31,000	2010	31,000	59	30,941	\$4.9100	within Sec 14	\$152,210						
							\$5.2500	31,000 dths NP							
							\$5.4000	31,000 dths NP							
7/4/40	7/0/40	207.000	0010	01.70	45	04.05-	# 4 0000	unishin C. 45	004.615	0010	470.05	7/0/40	CO 0 105	unitable C	6000.05
7/1/13	7/2/13	307,000	2013	21,700	42 115	21,658 59,885	\$4.2000	within Sec 13 within Sec 13	\$91,140		170,000	7/3/13	\$3.9400	within Sec 13	\$669,800 \$501,000
	-		2015	60,000 99,999	115	99,807	\$4.2500 \$4.3000	within Sec 13	\$255,000 \$429,996		150,000 17,000	7/3/13 7/3/13	\$3.9400 \$3.9400	within Sec 13 within Sec 13	\$591,000 \$66,980
	-	-	2016	125,300	192 241	125,059	\$4.3000	within Sec 14 within Sec 14	\$429,996		17,000	1/3/13	φ3.9400	with the C 13	Φ06,980
7/2/13	7/2/13	70,000	2017	25,600	49	25,551	\$4.5000	within Sec 14	\$115,200				+		
		-,	2022	5,400	10	5,390	\$4.5500	within Sec 14	\$24,570				1		
							\$4.7200	65,000 dths NP	. ,						
							\$4.9200	15,000 dths NP							
7/2/13	7/3/13	270,000	2023	41,700	80	41,620	\$4.2000	within Sec 13	\$175,140		133,000	7/3/13	\$3.9400	within Sec 13	\$524,020
			2024	65,000	125	64,875	\$4.5000	within Sec 14	\$292,500		100,000	7/3/13	\$3.9400	within Sec 13	\$394,000
7/0// 0	7/0// 0	40.000	2025	163,300	314	162,986	\$4.5800	within Sec 14	\$747,914	2030	56,000	7/4/13	\$3.8800	within Sec 13	\$217,280
7/3/13	7/3/13	48,000	2031	19,400	37	19,363	\$4.4900 \$4.5000	within Sec 14 20,000 dths NP	\$87,106				1		
	1						\$4.6000	20,000 dths NP					1		
							\$5000	_ 5,000 auto 14F							
7/2/13	7/4/13	180,000	2028	180,000	346	179,654	\$3.8902	within Sec 13	\$700,236	2030	124,000	7/4/13	\$3.8800	within Sec 13	\$481,120
										2030	56,000	7/5/13	\$3.8800	within Sec 13	\$217,280
7/2/13	7/5/13	220,000	2029	220,000	422	219,578	\$3.8902	within Sec 13	\$855,844		124,000	7/5/13	\$3.8800	within Sec 13	\$481,120
										2034	96,000	7/10/13	\$3.9250	within Sec 13	\$376,800
7/0/40	7/0/40	104 000	2022	104.000	000	100 700	\$4.4400	within Co. 4.4	6550 500	2024	144.000	7/40/40	\$2.00EC	within C 40	6447.450
7/8/13	7/9/13	124,000	2033	124,000	238	123,762	\$4.4400 \$4.4500	within Sec 14	\$550,560	2034	114,000	7/10/13	\$3.9250	within Sec 13	\$447,450
		l					\$4.4500	125,000 dths NP			l				

		Amt			In-kind	Net Amt							Sale		
Date	Flow	needed		Amt	0.22%	flowed	Purchase	Rule 41			Amt	Flow	Price	Rule 41	
notified	Date	(Dths)		(Dths)	(Dths)	(Dths)	Price \$/dth	Limit \$/dth	\$Amt		(Dths)	Date	\$/dth	Limit \$/dth	\$Amt
							\$4.6000	10,000 dths NP		2041	10,000	7/12/13	\$3.8400	within Sec 13	\$38,400
7/9/13	7/10/13	163,000	2035	19,500	37	19,463	\$3.9700	within Sec 13	\$77,415	2041	162,000	7/12/13	\$3.8400	within Sec 13	\$622,080
			2036	35,000	67	34,933	\$4.0500	within Sec 13	\$141,750						
			2037	60,000	116	59,884	\$4.2500	within Sec 13	\$255,000						
			2038	48,500	93	48,407	\$4.2500	within Sec 13	\$206,125						
				10,000	**	10,101	¥								
7/10/13	7/11/13	82,000	2039	30,000	57	29,943	\$4.1000	within Sec 13	\$123,000	2041	78,000	7/12/13	\$3.8400	within Sec 13	\$299,520
7/10/13	7/11/13	02,000	2040	52,000	100	51,900	\$4.2500	within Sec 13	\$221,000	2043	4,000	7/15/13	\$3.6000	within Sec 13	\$14,400
			2040	32,000	100	31,900	ψ4.2300	Within Sec 13	\$221,000	2043	4,000	7/13/13	ψ3.0000	Within Sec 13	\$14,400
7/45/40	7/45/40	20,000	20.42	20,000	00	25.024	£4,0000	within Con 40	£4.44.000	20.42	22.000	7/45/40	#0.0000	within Con 40	\$115,200
7/15/13	7/15/13	36,000	2042	36,000	69	35,931	\$4.0000	within Sec 13	\$144,000	2043	32,000	7/15/13	\$3.6000	within Sec 13	
										2045	4,000	7/19/13	\$3.8750	within Sec 13	\$15,500
							A		A				******		
7/15/13	7/16/13	46,000	2044	46,000	88	45,912	\$4.1900	within Sec 13	\$192,740	2045	44,396	7/19/13	\$3.8750	within Sec 13	\$172,035
7/20/13	7/21/13	40,000	2046	40,000	77	39,923	\$4.2000	within Sec 13	\$168,000	2050	10,000	7/23/13	\$3.8600	within Sec 13	\$38,600
7/21/13	7/21/13	23,000	2049	23,000	44	22,956	\$4.2000	within Sec 13	\$96,600	2051	10,000	7/23/13	\$3.8600	within Sec 13	\$38,600
										2052	20,000	7/23/13	\$3.8600	within Sec 13	\$77,200
										2053	10,000	7/23/13	\$3.8500	within Sec 13	\$38,500
										2054	10,000	7/23/13	\$3.8600	within Sec 13	\$38,600
										2055	3,000	7/23/13	\$3.8600	within Sec 13	\$11,580
7/21/13	7/22/13	157,000	2047	97,991	188	97,803	\$4.2000	within Sec 13	\$411,562	2055	7,000	7/23/13	\$3.8600	within Sec 13	\$27,020
			2048	58,994	113	58,881	\$4.4100	within Sec 14	\$260,164	2056	5,000	7/23/13	\$3.8600	within Sec 13	\$19,300
				,		,	\$4.7500	157,000 dths NP	,		-,				,
							\$5,0000	157,000 dths NP				1			
—							\$4.9500	40,000 dths NP							
7/22/13	7/22/13	63,000	2069	63,000	121	62,879	\$4.2000	within Sec 13	\$264,600	2057	9,000	7/23/13	\$3.8600	within Sec 13	\$34,740
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	55,000	2000	00,000	121	02,019	ψ r.2000		Ψ204,000	2057	10,000	7/23/13	\$3.8550	within Sec 13	\$38,550
-							-			2058	10,000	7/23/13	\$3.8550	within Sec 13	\$38,550
										2060	5,000	7/23/13	\$3.8600	within Sec 13	\$19,300
										2061	1,000	7/23/13	\$3.8600	within Sec 13	\$3,860
										2062	10,000	7/22/13	\$3.8600	within Sec 13	\$38,600
										2063	10,000	7/22/13	\$3.8600	within Sec 13	\$38,600
										2064	10,000	7/22/13	\$3.8600	within Sec 13	\$38,600
										2065	10,000	7/22/13	\$3.8600	within Sec 13	\$38,600
										2066	10,000	7/23/13	\$3.8500	within Sec 13	\$38,500
										2067	10,000	7/23/13	\$3.8500	within Sec 13	\$38,500
										2068	10,000	7/23/13	\$3.8500	within Sec 13	\$38,500
										2073	102,500	7/25/13	\$3.9350	within Sec 13	\$403,338
7/22/13	7/23/13	75,000	2070	75,000	144	74,856	\$4.2000	within Sec 13	\$315,000	2073	80,149	7/25/13	\$3.9350	within Sec 13	\$315,386
7/23/13	7/23/13	53,000	2071	24,000	46	23,954	\$4.2000	within Sec 13	\$100,800	2074	19,000	7/23/13	\$3.9300	within Sec 13	\$74,670
17=0110	1,20,10			= 1,000			*		*********		,	1,20,10	*******		4. 1,0. 0
7/23/13	7/24/13	183,000	2072	183,000	351	182,649	\$4.2100	within Sec 13	\$770,430	2074	81,000	7/23/13	\$3.9300	within Sec 13	\$318,330
1/20/10	1/24/10	100,000	2012	100,000	551	102,043	ψ4.2100	WIGHIN OCC 13	ψ110,430	2075	101,801	7/25/13	\$3.9350	within Sec 13	\$400,587
										2070	101,001	1720/10	ψ0.0000	Within Occ 15	ψ-100,307
7/24/13	7/25/13	176,000	2076	13,000	25	12,975	\$4.1700	within Sec 13	\$54,210	2078	175,000	7/26/13	\$3.9350	within Sec 13	\$688,625
1/24/13	1/23/13	170,000	2077							2070	173,000	7/20/13	ψυ.συυ	William Sec 13	
			2077	163,000	313	162,687	\$4.2700	within Sec 13	\$696,010						\$0
7/25/13	7/26/13	111,000	2079	10,000	19	9,981	\$4.0000	within Sec 13	\$40,000	2084	142,389	7/29/13	\$3.7100	within Sec 13	\$528,263
			2080	39,000	75	38,925	\$4.2000	within Sec 13	\$163,800						\$0
			2081	62,000	119	61,881	\$4.2500	within Sec 13	\$263,500						\$0
7/26/13	7/26/13	31,000	2082	31,000	60	30,940	\$4.2500	within Sec 13	\$131,750						\$0
7/29/13	7/30/13	90,000	2085	90,000	173	89,827	\$4.0100	within Sec 13	\$360,900	2087	89,827	7/31/13	\$3.6900		\$331,462
8/12/13	8/13/13	90,000	2088	35,000	67	34,933	\$3.7000	within Sec 13	\$129,500	2093	187,639	8/14/13	\$3.5000	within Sec 13	\$656,737
			2089	55,000	106	54,894	\$3.8300	within Sec 14	\$210,650						
							\$3.8500	55,000 dths NP							
8/13/13	8/14/13	98,000	2090	50,000	96	49,904	\$3.7500	within Sec 13	\$187,500			İ			
			2091	7,000	13	6,987	\$3.7900	within Sec 14	\$26,530			İ			
			2092	41,000	79	40,921	\$3.8500	within Sec 14	\$157,850						
				,000		.5,021	, ,,,,,,,,,		Ţ.07,000						
8/14/13	8/15/13	158,000	2094	15,000	28	14,972	\$3.6500	within Sec 13	\$54,750	2096	155,000	8/15/13	\$3.5400	within Sec 13	\$548,700
5, 17/13	5, 10, 13	.50,000	2094	143,000	275	142,725	\$3.8800	within Sec 13	\$554,840	2000	100,000	3/10/13	₩J.J-100		ψυ-ιο,7 ου
1			2000	1-0,000	213	142,120			φυυ+,040	1		1			
-							\$3.9000	70,000 dths NP		-		-			
							\$3.9000	70,000 dths NP							
0/40/15	0/40/:-	F0.00-	000-	F0	,		00.05		40== :::	000-	407 101	0/04/65	₽0 70	tab.: O	0510-0
8/18/13	8/19/13	59,000	2097	59,000	113	58,887	\$3.8500	within Sec 13	\$227,150	2099	137,438	8/21/13	\$3.7600	within Sec 13	\$516,767
8/19/13	8/20/13	76,000	2098	76,000	146	75,854	\$4.0400	within Sec 13	\$307,040						
8/20/13	8/21/13	98,000	2100	35,000	67	34,933	\$3.9000	within Sec 13	\$136,500	2104	98,000	8/23/13	\$3.7750	within Sec 13	\$369,950
			2101	63,000	121	62,879	\$4.0300	within Sec 13	\$253,890						
8/21/13	8/22/13	191,000	2102	50,000	96	49,904	\$3.9000	within Sec 13	\$195,000	2104	187,000	8/23/13	\$3.7750	within Sec 13	\$705,925
			2103	141,000	271	140,729	\$4.0300	within Sec 13	\$568,230		61,000	8/24-26/13	\$3.7250	within Sec 13	\$227,225
8/21/13	8/22/13	58,000	2105	58,000	111	57,889	\$4.0400	within Sec 13	\$234,320		,	<u> </u>			
5.2.7.3		,000		20,000		0.,000	Ţ5.00		Ψ20 1,320						
8/22/13	8/23/13	165,000	2107	40,000	77	39,923	\$3.8500	within Sec 13	\$154,000	2110	165,017	8/24-26/13	\$3.7250	within Sec 13	\$614,688
J, ZZ/ 13	3,20,13	. 55,000	-101	70,000	,	03,323	ψ3.0000		ψ104,000	-110	100,017	5, LT 20/10	ψ0.7 <u>2</u> 00		ψυ 14,000

Date notified	Flow Date	Amt needed (Dths)		Amt (Dths)	In-kind 0.22% (Dths)	Net Amt flowed (Dths)	Purchase Price \$/dth	Rule 41 Limit \$/dth	\$Amt		Amt (Dths)	Flow Date	Sale Price \$/dth	Rule 41 Limit \$/dth	\$Amt	Net \$ \$Purchase minus \$Sale
			2108	72,000	138	71,862	\$3.9000	within Sec 13	\$280,800							
			2109	53,000	102	52,898	\$4.1100	within Sec 13	\$217,830							
8/26/13	8/27/13	97,000	2112	30,000	58	29,942	\$3.9500	within Sec 13	\$118,500	2117	97,000	8/29/13	\$3.8250	within Sec 13	\$371,025	
			2113	12,900	24	12,876	\$4.0500	within Sec 13	\$52,245							
			2114	35,000	67	34,933	\$4.0400	within Sec 13	\$141,400							
			2115	19,100	37	19,063	\$4.1200	within Sec 13	\$78,692							
8/27/13	8/28/13	108,000	2116	108,000	207	107,793	\$4.0500	within Sec 13	\$437,400	2117	103,000	8/29/13	\$3.8250	within Sec 13	\$393,975	
										2121	5,000	8/30-31/13	\$3.8750	within Sec 13	\$19,375	
8/28/13	8/29/13	155,000	2119	73,000	140	72,860	\$4.0000	within Sec 13	\$292,000	2121	153,000	8/30-31/13	\$3.8750	within Sec 13	\$592,875	
			2120	82,000	158	81,842	\$4.1200	within Sec 13	\$337,840	2126	30,000	8/29/13	\$3.8300	within Sec 13	\$114,900	
8/29/13	8/29/13	86,000	2124	9,900	19	9,881	\$4.0700	within Sec 13	\$40,293	2127	10,000	8/29/13	\$3.8300	within Sec 13	\$38,300	
			2125	76,100	146	75,954	\$4.2400	within Sec 14	\$322,664	2130	40,000	8/29/13	\$3.8300	within Sec 13	\$153,200	
							\$4.2500	40,000 dths NP								
							\$4.3100	86,000 dths NP		2131	7,000	8/30/13	\$3.8300	within Sec 13	\$26,810	
8/29/13	8/30/13	182,000	2128	74,000	142	73,858	\$4.0300	within Sec 13	\$298,220	2131	33,000	8/30/13	\$3.8300	within Sec 13	\$126,390	
			2129	108,000	207	107,793	\$4.1500	within Sec 13	\$448,200	2132	80,000	8/30-31/13	\$3.8400	within Sec 13	\$307,200	
										2133	69,000	8/30/13	\$3.8300	within Sec 13	\$264,270	
8/30/13	8/31/13	76,000	2134	70,000	134	69,866	\$4.0000	within Sec 13	\$280,000	2133	75,650	8/30/13	\$3.8300	within Sec 13	\$289,740	
			2135	6,000	12	5,988	\$4.0500	within Sec 13	\$24,300					ĺ		

Totals 19,813,000

19,376,840 57,150 19,319,690

\$76,999,571 19,319,465

\$70,356,785 \$6,642,787

BTS Transportation Charges \$1,233,768

Total including transport charges \$7,876,555

	#	%	\$	%
Section 13	266	84%	\$ 64,665,761	84%
Section 14	44	14%	\$ 10,875,071	14%
Section 15	3	1%	\$ 672,580	1%
Section 16	2	1%	\$ 786,160	1%
Total	315		\$ 76,999,571	

ATTACHMENT D

Advice No. 4547

ICE PRICES

	PURCHASE (SoCal - Ehrenberg)			SALE (SoCal - Citygate)				
_	Rule 41,				Rule 41,			
<u>Date</u>	Sec 13 a/b	ICE \$/dth	<u>110%</u>		Sec 13 a/b	ICE \$/dth	<u>90%</u>	
10/2/2012	Sec 13 (a) Wtd Avg	\$3.6107	\$3.9718		Sec 13 (a) Wtd Avg	\$3.7337	\$3.3603	
	Sec 13 (b) High	\$3.6700	\$4.0370		Sec 13 (b) Low	\$3.6450	\$3.2805	
10/3/2012	Sec 13 (a) Wtd Avg	\$3.5808	\$3.9389		Sec 13 (a) Wtd Avg	\$3.6888	\$3.3199	
	Sec 13 (b) High	\$3.5900	\$3.9490		Sec 13 (b) Low	\$3.6400	\$3.2760	
10/11/2012	Sec 13 (a) Wtd Avg	\$3.4355	\$3.7791		Sec 13 (a) Wtd Avg	\$3.5301	\$3.1771	
	Sec 13 (b) High	\$3.4600	\$3.8060		Sec 13 (b) Low	\$3.5100	\$3.1590	
10/17/2012	Sec 13 (a) Wtd Avg	\$3.6398	\$4.0038		Sec 13 (a) Wtd Avg	\$3.7576	\$3.3818	
	Sec 13 (b) High	\$3.7100	\$4.0810		Sec 13 (b) Low	\$3.7400	\$3.3660	
10/30/2012	Sec 13 (a) Wtd Avg	\$3.4626	\$3.8089		Sec 13 (a) Wtd Avg	\$3.5587	\$3.2028	
	Sec 13 (b) High	\$3.6500	\$4.0150		Sec 13 (b) Low	\$3.5200	\$3.1680	
11/1/2012	Sec 13 (a) Wtd Avg	\$3.7290	\$4.1019		Sec 13 (a) Wtd Avg	\$3.8065	\$3.4259	
	Sec 13 (b) High	\$3.7900	\$4.1690		Sec 13 (b) Low	\$3.7000	\$3.3300	
11/2/2012	Sec 13 (a) Wtd Avg	\$3.8693	\$4.2562		Sec 13 (a) Wtd Avg	\$3.8924	\$3.5032	
	Sec 13 (b) High	\$3.9100	\$4.3010		Sec 13 (b) Low	\$3.8350	\$3.4515	
11/8/2012	Sec 13 (a) Wtd Avg	\$3.7932	\$4.1725		Sec 13 (a) Wtd Avg	\$3.8618	\$3.4756	
	Sec 13 (b) High	\$3.8200	\$4.2020		Sec 13 (b) Low	\$3.8000	\$3.4200	
11/17/2012	Sec 13 (a) Wtd Avg	\$3.5810	\$3.9391		Sec 13 (a) Wtd Avg	\$3.7248	\$3.3523	
to 11/19/2012	Sec 13 (b) High	\$3.6300	\$3.9930		Sec 13 (b) Low	\$3.7000	\$3.3300	
11/22/2012	Sec 13 (a) Wtd Avg	\$3.5710	\$3.9281		Sec 13 (a) Wtd Avg	\$3.6793	\$3.3114	
to 11/26/2012	Sec 13 (b) High	\$3.6500	\$4.0150		Sec 13 (b) Low	\$3.6500	\$3.2850	
12/1/2012	Sec 13 (a) Wtd Avg	\$3.5410	\$3.8951		Sec 13 (a) Wtd Avg	\$3.7021	\$3.3319	
to 12/3/2012	Sec 13 (b) High	\$3.6200	\$3.9820		Sec 13 (b) Low	\$3.6900	\$3.3210	
12/5/2012	Sec 13 (a) Wtd Avg	\$3.4439	\$3.7883		Sec 13 (a) Wtd Avg	\$3.6495	\$3.2846	
	Sec 13 (b) High	\$3.5500	\$3.9050		Sec 13 (b) Low	\$3.6300	\$3.2670	
12/11/2012	Sec 13 (a) Wtd Avg	\$3.6050	\$3.9655		Sec 13 (a) Wtd Avg	\$3.7171	\$3.3454	
	Sec 13 (b) High	\$3.6050	\$3.9655		Sec 13 (b) Low	\$3.7100	\$3.3390	

10/10/2012	6 42 () \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	¢0.74E4	t 2 07//	6 42 () \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	¢2./750	£2.207E
12/19/2012	Sec 13 (a) Wtd Avg	\$3.6151	\$3.9766	Sec 13 (a) Wtd Avg	\$3.6750	\$3.3075
	Sec 13 (b) High	\$3.6200	\$3.9820	Sec 13 (b) Low	\$3.6650	\$3.2985
12/20/2012	Sec 13 (a) Wtd Avg	\$3.5131	\$3.8644	Sec 13 (a) Wtd Avg	\$3.5918	\$3.2326
	Sec 13 (b) High	\$3.5200	\$3.8720	Sec 13 (b) Low	\$3.5700	\$3.2130
	``,	•	•			•
12/21/2012	Sec 13 (a) Wtd Avg	\$3.6244	\$3.9868	Sec 13 (a) Wtd Avg	\$3.6785	\$3.3107
	Sec 13 (b) High	\$3.6500	\$4.0150	Sec 13 (b) Low	\$3.6600	\$3.2940
12/22/2012	Sec 13 (a) Wtd Avg	\$3.6720	\$4.0392	Sec 13 (a) Wtd Avg	\$3.7504	\$3.3754
	Sec 13 (b) High	\$3.6900	\$4.0590	Sec 13 (b) Low	\$3.7300	\$3.3570
12/23/2012	Sec 13 (a) Wtd Avg	\$3.6720	\$4.0392	Sec 13 (a) Wtd Avg	\$3.7504	\$3.3754
	Sec 13 (b) High	\$3.6900	\$4.0590	Sec 13 (b) Low	\$3.7300	\$3.3570
12/25/2012	Sec 13 (a) Wtd Avg	\$3.5413	\$3.8954	Sec 13 (a) Wtd Avg	\$3.6229	\$3.2606
	Sec 13 (b) High	\$3.5600	\$3.9160	Sec 13 (b) Low	\$3.6100	\$3.2490
12/26/2012	Sec 13 (a) Wtd Avg	\$3.5413	\$3.8954	Sec 13 (a) Wtd Avg	\$3.6229	\$3.2606
	Sec 13 (b) High	\$3.5600	\$3.9160	Sec 13 (b) Low	\$3.6100	\$3.2490
12/27/2012	Sec 13 (a) Wtd Avg	\$3.5902	\$3.9492	Sec 13 (a) Wtd Avg	\$3.6671	\$3.3004
	Sec 13 (b) High	\$3.6000	\$3.9600	Sec 13 (b) Low	\$3.6500	\$3.2850
12/28/2012	Sec 13 (a) Wtd Avg	\$3.5272	\$3.8799	Sec 13 (a) Wtd Avg	\$3.5990	\$3.2391
	Sec 13 (b) High	\$3.5300	\$3.8830	Sec 13 (b) Low	\$3.5900	\$3.2310
12/29/2012	Sec 13 (a) Wtd Avg	\$3.5200	\$3.8720	Sec 13 (a) Wtd Avg	\$3.6348	\$3.2713
	Sec 13 (b) High	\$3.5200	\$3.8720	Sec 13 (b) Low	\$3.6000	\$3.2400
12/30/2012	Sec 13 (a) Wtd Avg	\$3.5200	\$3.8720	Sec 13 (a) Wtd Avg	\$3.6348	\$3.2713
	Sec 13 (b) High	\$3.5200	\$3.8720	Sec 13 (b) Low	\$3.6000	\$3.2400
12/31/2012	Sec 13 (a) Wtd Avg	\$3.5200	\$3.8720	Sec 13 (a) Wtd Avg	\$3.6348	\$3.2713
	Sec 13 (b) High	\$3.5200	\$3.8720	Sec 13 (b) Low	\$3.6000	\$3.2400
1/1/2013	Sec 13 (a) Wtd Avg	\$3.5601	\$3.9161	Sec 13 (a) Wtd Avg	\$3.6451	\$3.2806
to 1/2/2013	Sec 13 (b) High	\$3.5700	\$3.9270	Sec 13 (b) Low	\$3.5800	\$3.2220
1/3/2013	Sec 13 (a) Wtd Avg	\$3.5463	\$3.9009	Sec 13 (a) Wtd Avg	\$3.5605	\$3.2045
	Sec 13 (b) High	\$3.6200	\$3.9820	Sec 13 (b) Low	\$3.5200	\$3.1680

1/4/2013	Sec 13 (a) Wtd Avg	\$3.3679	\$3.7047	Sec 13 (a) Wtd Avg	\$3.4541	\$3.1087
	Sec 13 (b) High	\$3.3800	\$3.7180	Sec 13 (b) Low	\$3.4500	\$3.1050
1/5/2013	Sec 13 (a) Wtd Avg	\$3.4224	\$3.7646	Sec 13 (a) Wtd Avg	\$3.5061	\$3.1555
to 1/7/2013	Sec 13 (b) High	\$3.4600	\$3.8060	Sec 13 (b) Low	\$3.4700	\$3.1230
1/8/2013	Sec 13 (a) Wtd Avg	\$3.5644	\$3.9208	Sec 13 (a) Wtd Avg	\$3.6451	\$3.2806
	Sec 13 (b) High	\$3.5800	\$3.9380	Sec 13 (b) Low	\$3.6300	\$3.2670
	() 3	•	•			•
1/9/2013	Sec 13 (a) Wtd Avg	\$3.5037	\$3.8541	Sec 13 (a) Wtd Avg	\$3.5397	\$3.1857
1, 5, 2010	Sec 13 (b) High	\$3.5150	\$3.8665	Sec 13 (b) Low	\$3.5200	\$3.1680
	366 13 (b) r light	ψ3.3130	ψ3.0003	366 13 (b) 20W	Ψ3.3200	ψ3.1000
1/10/2013	Sec 13 (a) Wtd Avg	\$3.4376	\$3.7814	Sec 13 (a) Wtd Avg	\$3.4870	\$3.1383
1/10/2013	•		•	• • • • •		
	Sec 13 (b) High	\$3.4400	\$3.7840	Sec 13 (b) Low	\$3.4600	\$3.1140
4 /44 /2042	6 42 ()) () 4	t 2 4 2 4 4	£2.7745	C 42 () \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	¢2.4020	£2.4425
1/11/2013	Sec 13 (a) Wtd Avg	\$3.4314	\$3.7745	Sec 13 (a) Wtd Avg	\$3.4928	\$3.1435
	Sec 13 (b) High	\$3.4350	\$3.7785	Sec 13 (b) Low	\$3.4800	\$3.1320
1/12/2013	Sec 13 (a) Wtd Avg	\$3.5800	\$3.9380	Sec 13 (a) Wtd Avg	\$3.6078	\$3.2470
To 1/14/2013	Sec 13 (b) High	\$3.5800	\$3.9380	Sec 13 (b) Low	\$3.5900	\$3.2310
1/15/2013	Sec 13 (a) Wtd Avg	\$3.8303	\$4.2133	Sec 13 (a) Wtd Avg	\$3.6614	\$3.2953
	Sec 13 (b) High	\$3.9000	\$4.2900	Sec 13 (b) Low	\$3.6300	\$3.2670
1/16/2013	Sec 13 (a) Wtd Avg	\$3.6769	\$4.0446	Sec 13 (a) Wtd Avg	\$3.6781	\$3.3103
	Sec 13 (b) High	\$3.7000	\$4.0700	Sec 13 (b) Low	\$3.6600	\$3.2940
1/17/2013	Sec 13 (a) Wtd Avg	\$3.6525	\$4.0178	Sec 13 (a) Wtd Avg	\$3.6593	\$3.2934
	Sec 13 (b) High	\$3.6600	\$4.0260	Sec 13 (b) Low	\$3.6500	\$3.2850
	() 3	•	·	• •	•	·
1/18/2013	Sec 13 (a) Wtd Avg	\$3.6000	\$3.9600	Sec 13 (a) Wtd Avg	\$3.6461	\$3.2815
_,,	Sec 13 (b) High	\$3.6000	\$3.9600	Sec 13 (b) Low	\$3.6300	\$3.2670
	000 10 (5) / light	φυ.υυυυ	Ψ0.2000	000 10 (5) 2011	φσ.σσσσ	Ψ0.2070
1/19/2013	Sec 13 (a) Wtd Avg	\$3.6690	\$4.0359	Sec 13 (a) Wtd Avg	\$3.7600	\$3.3840
To 1/22/2013	Sec 13 (b) High			Sec 13 (b) Low	\$3.7300	\$3.3570
10 1/22/2013	Sec 13 (b) Flight	\$3.6850	\$4.0535	Sec 13 (b) Low	φ3./300	φ3.3370
1/22/2012	Con 13 (-) \\ A \ A \	¢2.7220	£4.00E4	Can 13 /-\ \\ \	42.0022	42.4220
1/23/2013	Sec 13 (a) Wtd Avg	\$3.7228	\$4.0951	Sec 13 (a) Wtd Avg	\$3.8033	\$3.4230
	Sec 13 (b) High	\$3.7400	\$4.1140	Sec 13 (b) Low	\$3.7700	\$3.3930
			.		.	
1/24/2013	Sec 13 (a) Wtd Avg	\$3.6547	\$4.0202	Sec 13 (a) Wtd Avg	\$3.7552	\$3.3797
	Sec 13 (b) High	\$3.6800	\$4.0480	Sec 13 (b) Low	\$3.7200	\$3.3480

1/25/2013	Sec 13 (a) Wtd Avg	\$3.7401	\$4.1141	Sec 13 (a) Wtd Avg	\$3.8213	\$3.4392
	Sec 13 (b) High	\$3.7500	\$4.1250	Sec 13 (b) Low	\$3.7900	\$3.4110
3/13/2013	Sec 13 (a) Wtd Avg	\$3.7736	\$4.1510	Sec 13 (a) Wtd Avg	\$3.8621	\$3.4759
	Sec 13 (b) High	\$3.7800	\$4.1580	Sec 13 (b) Low	\$3.8550	\$3.4695
3/16/2013	Sec 13 (a) Wtd Avg	\$3.8306	\$4.2137	Sec 13 (a) Wtd Avg	\$3.9858	\$3.5872
to 3/18/2013	Sec 13 (b) High	\$3.8900	\$4.2790	Sec 13 (b) Low	\$3.9200	\$3.5280
3/20/2013	Sec 13 (a) Wtd Avg	\$4.0417	\$4.4459	Sec 13 (a) Wtd Avg	\$4.1595	\$3.7436
	Sec 13 (b) High	\$4.0600	\$4.4660	Sec 13 (b) Low	\$4.1500	\$3.7350
3/21/2013	Sec 13 (a) Wtd Avg	\$4.1799	\$4.5979	Sec 13 (a) Wtd Avg	\$4.2808	\$3.8527
	Sec 13 (b) High	\$4.1900	\$4.6090	Sec 13 (b) Low	\$4.2500	\$3.8250
3/27/2013	Sec 13 (a) Wtd Avg	\$4.0981	\$4.5079	Sec 13 (a) Wtd Avg	\$4.1889	\$3.7700
	Sec 13 (b) High	\$4.1100	\$4.5210	Sec 13 (b) Low	\$4.1700	\$3.7530
6/13/2013	Sec 13 (a) Wtd Avg	\$3.7502	\$4.1252	Sec 13 (a) Wtd Avg	\$3.8920	\$3.5028
	Sec 13 (b) High	\$3.7700	\$4.1470	Sec 13 (b) Low	\$3.8600	\$3.4740
	- 40 ()) ()	±0.0004	* 4 4 0 0 0		to 00/7	ho =0.40
6/27/2013	Sec 13 (a) Wtd Avg	\$3.8021	\$4.1823	Sec 13 (a) Wtd Avg	\$3.9267	\$3.5340
	Sec 13 (b) High	\$3.8100	\$4.1910	Sec 13 (b) Low	\$3.9000	\$3.5100
6/28-30/2013	Co. 13 (a) \\/+d Ava	¢2.0420	¢4.2402	San 12 (a) \\/+d 4	¢2.0770	\$3.5793
0/20-30/2013	Sec 13 (a) Wtd Avg Sec 13 (b) High	\$3.8630 \$3.8800	\$4.2493 \$4.2680	Sec 13 (a) Wtd Avg Sec 13 (b) Low	\$3.9770 \$3.9300	\$3.57 <i>9</i> 3 \$3.5370
	Sec 13 (b) Flight	φ3.0000	φ4.2000	Sec 13 (b) Low	φ3. 9 300	φ3.5370
7/1/2013	Sec 13 (a) Wtd Avg	\$3.8159	\$4.1975	Sec 13 (a) Wtd Avg	\$3.8577	\$3.4719
77172013	Sec 13 (b) High	\$3.8700	\$4.2570	Sec 13 (b) Low	\$3.8200	\$3.4380
	Sec 15 (b) riight	ψ3.0700	Ψ1.2370	366 13 (b) 20W	Ψ3.0200	ψ3.1300
7/2/2013	Sec 13 (a) Wtd Avg	\$3.9020	\$4.2922	Sec 13 (a) Wtd Avg	\$3.9650	\$3.5685
., _, _,	Sec 13 (b) High	\$3.9450	\$4.3395	Sec 13 (b) Low	\$3.9400	\$3.5460
	(a) Ja	,	•	(1,2111	1	•
7/3/2013	Sec 13 (a) Wtd Avg	\$3.9223	\$4.3145	Sec 13 (a) Wtd Avg	\$3.9386	\$3.5447
	Sec 13 (b) High	\$3.9400	\$4.3340	Sec 13 (b) Low	\$3.9300	\$3.5370
	,,,,					
7/4/2013 -	Sec 13 (a) Wtd Avg	\$3.8402	\$4.2242	Sec 13 (a) Wtd Avg	\$3.8819	\$3.4937
7/5/2013	Sec 13 (b) High	\$3.8600	\$4.2460	Sec 13 (b) Low	\$3.8600	\$3.4740
7/9/2013	Sec 13 (a) Wtd Avg	\$3.9261	\$4.3187	Sec 13 (a) Wtd Avg	\$3.9524	\$3.5572
	Sec 13 (b) High	\$3.9400	\$4.3340	Sec 13 (b) Low	\$3.9300	\$3.5370

7/10/2013	Sec 13 (a) Wtd Avg	\$3.9005	\$4.2906	Sec 13 (a) Wtd Avg	\$3.9300	\$3.5370
	Sec 13 (b) High	\$3.9200	\$4.3120	Sec 13 (b) Low	\$3.9150	\$3.5235
7/11/2013	Sec 13 (a) Wtd Avg	\$3.8997	\$4.2897	Sec 13 (a) Wtd Avg	\$3.9351	\$3.5416
	Sec 13 (b) High	\$3.9050	\$4.2955	Sec 13 (b) Low	\$3.9200	\$3.5280
7/13/2013 -	Sec 13 (a) Wtd Avg	\$3.7672	\$4.1439	Sec 13 (a) Wtd Avg	\$3.8156	\$3.4340
7/15/2013	Sec 13 (b) High	\$3.8000	\$4.1800	Sec 13 (b) Low	\$3.8000	\$3.4200
7/16/2013	Sec 13 (a) Wtd Avg	\$3.8607	\$4.2468	Sec 13 (a) Wtd Avg	\$3.9022	\$3.5120
	Sec 13 (b) High	\$3.8650	\$4.2515	Sec 13 (b) Low	\$3.8700	\$3.4830
7/20-22/2013	Sec 13 (a) Wtd Avg	\$3.8824	\$4.2706	Sec 13 (a) Wtd Avg	\$3.9350	\$3.5415
	Sec 13 (b) High	\$3.8900	\$4.2790	Sec 13 (b) Low	\$3.9000	\$3.5100
7/23/2013	Sec 13 (a) Wtd Avg	\$3.8528	\$4.2381	Sec 13 (a) Wtd Avg	\$3.8936	\$3.5042
	Sec 13 (b) High	\$3.8900	\$4.2790	Sec 13 (b) Low	\$3.8500	\$3.4650
7/24/2013	Sec 13 (a) Wtd Avg	\$3.8514	\$4.2365	Sec 13 (a) Wtd Avg	\$3.8976	\$3.5078
	Sec 13 (b) High	\$3.8950	\$4.2845	Sec 13 (b) Low	\$3.8600	\$3.4740
7/25/2013	Sec 13 (a) Wtd Avg	\$3.8972	\$4.2869	Sec 13 (a) Wtd Avg	\$3.9375	\$3.5438
	Sec 13 (b) High	\$3.9000	\$4.2900	Sec 13 (b) Low	\$3.9200	\$3.5280
7/26/2013	Sec 13 (a) Wtd Avg	\$3.8921	\$4.2813	Sec 13 (a) Wtd Avg	\$3.9336	\$3.5402
	Sec 13 (b) High	\$3.9000	\$4.2900	Sec 13 (b) Low	\$3.8800	\$3.4920
7/30/2013	Sec 13 (a) Wtd Avg	\$3.7030	\$4.0733	Sec 13 (a) Wtd Avg	\$3.7439	\$3.3695
	Sec 13 (b) High	\$3.7125	\$4.0838	Sec 13 (b) Low	\$3.7150	\$3.3435
8/13/2013	Sec 13 (a) Wtd Avg	\$3.4534	\$3.7987	Sec 13 (a) Wtd Avg	\$3.5055	\$3.1550
	Sec 13 (b) High	\$3.4800	\$3.8280	Sec 13 (b) Low	\$3.4900	\$3.1410
8/14/2013	Sec 13 (a) Wtd Avg	\$3.4443	\$3.7887	Sec 13 (a) Wtd Avg	\$3.5146	\$3.1631
	Sec 13 (b) High	\$3.4650	\$3.8115	Sec 13 (b) Low	\$3.5075	\$3.1568
0.45.45.45	40/31001	+ 0 /			40	±0.4555
8/15/2013	Sec 13 (a) Wtd Avg	\$3.4870	\$3.8357	Sec 13 (a) Wtd Avg	\$3.5547	\$3.1992
	Sec 13 (b) High	\$3.5200	\$3.8720	Sec 13 (b) Low	\$3.5200	\$3.1680
0.47.40040	6 40 () 14: 1 :	40.5540	¢2.222.1	6 40 () \ ()	40 5005	42.0011
8/17/2013	Sec 13 (a) Wtd Avg	\$3.5540	\$3.9094	Sec 13 (a) Wtd Avg	\$3.5827	\$3.2244
to 08/19/2013	Sec 13 (b) High	\$3.5600	\$3.9160	Sec 13 (b) Low	\$3.5700	\$3.2130

8/20/2013	Sec 13 (a) Wtd Avg	\$3.7017	\$4.0719	Sec 13 (a) Wtd Avg	\$3.7193	\$3.3474
	Sec 13 (b) High	\$3.7100	\$4.0810	Sec 13 (b) Low	\$3.7000	\$3.3300
8/21/2013	Sec 13 (a) Wtd Avg	\$3.7412	\$4.1153	Sec 13 (a) Wtd Avg	\$3.7590	\$3.3831
	Sec 13 (b) High	\$3.7450	\$4.1195	Sec 13 (b) Low	\$3.7400	\$3.3660
8/22/2013	Sec 13 (a) Wtd Avg	\$3.7391	\$4.1130	Sec 13 (a) Wtd Avg	\$3.7582	\$3.3824
	Sec 13 (b) High	\$3.7400	\$4.1140	Sec 13 (b) Low	\$3.7500	\$3.3750
0.400.400.40		+0.7//0	h4440=		to 77/0	.
8/23/2013	Sec 13 (a) Wtd Avg	\$3.7668	\$4.1435	Sec 13 (a) Wtd Avg	\$3.7760	\$3.3984
	Sec 13 (b) High	\$3.7900	\$4.1690	Sec 13 (b) Low	\$3.7600	\$3.3840
8/27/2013	Sec 13 (a) Wtd Avg	\$3.7839	\$4.1623	Sec 13 (a) Wtd Avg	\$3.8070	\$3.4263
0/2//2013		•	\$4.1690	• • • • • • • • • • • • • • • • • • • •	\$3.7800	
	Sec 13 (b) High	\$3.7900	р4.1090	Sec 13 (b) Low	\$3.7600	\$3.4020
8/28/2013	Sec 13 (a) Wtd Avg	\$3.7288	\$4.1017	Sec 13 (a) Wtd Avg	\$3.7568	\$3.3811
	Sec 13 (b) High	\$3.7300	\$4.1030	Sec 13 (b) Low	\$3.7500	\$3.3750
8/29/2013	Sec 13 (a) Wtd Avg	\$3.7951	\$4.1746	Sec 13 (a) Wtd Avg	\$3.8217	\$3.4395
	Sec 13 (b) High	\$3.8000	\$4.1800	Sec 13 (b) Low	\$3.7950	\$3.4155
8/30/2013	Sec 13 (a) Wtd Avg	\$3.8375	\$4.2213	Sec 13 (a) Wtd Avg	\$3.8728	\$3.4855
0/30/2013		•	\$4.2460	• • • • • • • • • • • • • • • • • • • •	•	•
	Sec 13 (b) High	\$3.8600	ታ 4. ८ 400	Sec 13 (b) Low	\$3.8300	\$3.4470
8/31/2013	Sec 13 (a) Wtd Avg	\$3.8375	\$4.2213	Sec 13 (a) Wtd Avg	\$3.8728	\$3.4855
	Sec 13 (b) High	\$3.8600	\$4.2460	Sec 13 (b) Low	\$3.8300	\$3.4470

ATTACHMENT E

Advice No. 4547

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



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: October 02, 2012

Time of Request: 10:00a.m. October 01, 2012

Reason for Request: Southern System scheduled quantities 60,000 Dth below the



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: October 03, 2012

Time of Request: 10:00a.m. October 02, 2012

Reason for Request: Southern System scheduled quantities 80,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 180,000 Dth

Flow Date(s) Requested: October 11, 2012

Time of Request: 10:35a.m. October 10, 2012

Reason for Request: Southern System scheduled quantities 180,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 90,000 Dth

Flow Date(s) Requested: October 17, 2012

Time of Request: 11:00a.m. October 16, 2012

Reason for Request: Southern System scheduled quantities 90,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 75,000 Dth

Flow Date(s) Requested: October 30, 2012

Time of Request: 10:30a.m. October 29, 2012

Reason for Request: Southern System scheduled quantities 75,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 90,000 Dth

Flow Date(s) Requested: November 1, 2012

Time of Request: 10:30a.m. October 31, 2012

Reason for Request: Southern System scheduled quantities 90,000 Dth below the



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: November 1, 2012

Time of Request: 8:30 p.m. October 31, 2012

Reason for Request: Southern System scheduled quantities 60,000 Dth below the



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: November 2, 2012

Time of Request: 10:30 a.m. November 1, 2012

Reason for Request: Southern System scheduled quantities 50,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 40,000 Dth

Flow Date(s) Requested: November 8, 2012

Time of Request: 10:00p.m. November 7, 2012

Reason for Request: Southern System scheduled quantities 40,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 40,000 Dth

Flow Date(s) Requested: November 8, 2012

Time of Request: 10:20a.m. November 8, 2012

Reason for Request: Southern System scheduled quantities 40,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 40,000 Dth

Flow Date(s) Requested: November 17, 2012

Time of Request: 7:40p.m. November 16, 2012

Reason for Request: Southern System scheduled quantities 40,000 Dth below the



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 19, 2012

Time of Request: 4:10p.m. November 18, 2012

Reason for Request: Southern System scheduled quantities 20,000 Dth below the



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 22, 2012

Time of Request: 10:15a.m. November 21, 2012

Reason for Request: Southern System scheduled quantities 80,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 70,000 Dth

Flow Date(s) Requested: November 23, 2012

Time of Request: 10:15a.m. November 22, 2012

Reason for Request: Southern System scheduled quantities 70,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 40,000 Dth

Flow Date(s) Requested: November 23, 2012

Time of Request: 12:00p.m. November 23, 2012

Reason for Request: Southern System scheduled quantities 40,000 Dth below the



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 24, 2012

Time of Request: 10:30a.m. November 23, 2012

Reason for Request: Southern System scheduled quantities 80,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 75,000 Dth

Flow Date(s) Requested: November 25, 2012

Time of Request: 9:45a.m. November 24, 2012

Reason for Request: Southern System scheduled quantities 75,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 160,000 Dth

Flow Date(s) Requested: November 26, 2012

Time of Request: 9:45a.m. November 25, 2012

Reason for Request: Southern System scheduled quantities 160,000 Dth below the



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 1, 2012

Time of Request: 11:20a.m. November 30, 2012

Reason for Request: Southern System scheduled quantities 60,000 Dth below the



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: December 2, 2012

Time of Request: 10:30a.m. December 1, 2012

Reason for Request: Southern System scheduled quantities 45,000 Dth below the



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: December 5, 2012

Time of Request: 8:00p.m. December 4, 2012

Reason for Request: Southern System scheduled quantities 55,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 57,000 Dth

Flow Date(s) Requested: December 11, 2012

Time of Request: 8:10P.m. December 10, 2012

Reason for Request: Southern System scheduled quantities 57,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 151,000 Dth

Flow Date(s) Requested: December 19, 2012

Time of Request: 10:30 a.m. December 18, 2012

Reason for Request: Southern System scheduled quantities 151,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 17,000 Dth

Flow Date(s) Requested: December 19, 2012

Time of Request: 8:15 p.m. December 18, 2012

Reason for Request: Southern System scheduled quantities 17,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 309,000 Dth

Flow Date(s) Requested: December 20, 2012

Time of Request: 10:15 a.m. December 19, 2012

Reason for Request: Southern System scheduled quantities 309,000 Dth below the



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: December 20, 2012

Time of Request: 7:45 p.m. December 19, 2012

Reason for Request: Southern System scheduled quantities 15,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 95,000 Dth

Flow Date(s) Requested: December 20, 2012

Time of Request: 10:45 a.m.. December 20, 2012

Reason for Request: Southern System scheduled quantities 95,000 Dth below the



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: December 20, 2012

Time of Request: 11:07 a.m. December 20, 2012

Reason for Request: Expected shortfall on cycle 4



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 275,000 Dth

Flow Date(s) Requested: December 21, 2012

Time of Request: 10:59 a.m. December 20, 2012

Reason for Request: Southern System scheduled quantities 275,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 72,000 Dth

Flow Date(s) Requested: December 22, 2012

Time of Request: 9:45 a.m.. December 21, 2012

Reason for Request: Southern System scheduled quantities 72,000 Dth below the



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: December 23, 2012

Time of Request: 9:45 a.m.. December 22, 2012

Reason for Request: Southern System scheduled quantities 15,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 100,000 Dth

Flow Date(s) Requested: December 25, 2012

Time of Request: 12:10 p.m.. December 25, 2012

Reason for Request: Southern System scheduled quantities 100,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 248,000 Dth

Flow Date(s) Requested: December 26, 2012

Time of Request: 8:20 p.m.. December 25, 2012

Reason for Request: Southern System scheduled quantities 248,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 176,000 Dth

Flow Date(s) Requested: December 27, 2012

Time of Request: 9:50 a.m.. December 26, 2012

Reason for Request: Southern System scheduled quantities 176,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 32,000 Dth

Flow Date(s) Requested: December 27, 2012

Time of Request: 8:00 p.m.. December 26, 2012

Reason for Request: Southern System scheduled quantities 32,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 43,000 Dth

Flow Date(s) Requested: December 28, 2012

Time of Request: 8:10 p.m.. December 27, 2012

Reason for Request: Southern System scheduled quantities 43,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 207,000 Dth

Flow Date(s) Requested: December 28, 2012

Time of Request: 9:40 a.m.. December 27, 2012

Reason for Request: Southern System scheduled quantities 207,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 100,000 Dth

Flow Date(s) Requested: December 29, 2012

Time of Request: 9:35 a.m.. December 28, 2012

Reason for Request: Southern System scheduled quantities 100,000 Dth below the



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: December 30, 2012

Time of Request: 9:40 a.m.. December 29, 2012

Reason for Request: Southern System scheduled quantities 92,000 Dth below the



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: December 30, 2012

Time of Request: 8:00 p.m.. December 29, 2012

Reason for Request: Southern System scheduled quantities 37,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 84,000 Dth

Flow Date(s) Requested: December 31, 2012

Time of Request: 10:40 a.m.. December 30, 2012

Reason for Request: Southern System scheduled quantities 84,000 Dth below the



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: December 31, 2012

Time of Request: 8:00 p.m.. December 30, 2012

Reason for Request: Southern System scheduled quantities 45,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 116,000 Dth

Flow Date(s) Requested: January 01, 2013

Time of Request: 11:15 p.m.. December 31, 2012

Reason for Request: Southern System scheduled quantities 116,000 Dth below the



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: January 01, 2013

Time of Request: 8:15 p.m.. December 31, 2012

Reason for Request: Southern System scheduled quantities 92,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 262,000 Dth

Flow Date(s) Requested: January 02, 2013

Time of Request: 10:00 a.m.. January 01, 2013

Reason for Request: Southern System scheduled quantities 262,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 280,000 Dth

Flow Date(s) Requested: January 03, 2013

Time of Request: 10:00 a.m.. January 02, 2013

Reason for Request: Southern System scheduled quantities 280,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 18,000 Dth

Flow Date(s) Requested: January 03, 2013

Time of Request: 8:10 p.m.. January 02, 2013

Reason for Request: Southern System scheduled quantities 18,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 290,000 Dth

Flow Date(s) Requested: January 04, 2013

Time of Request: 9:50 a.m.. January 03, 2013

Reason for Request: Southern System scheduled quantities 290,000 Dth below the



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 04, 2013

Time of Request: 8:10 a.m.. January 03, 2013

Reason for Request: Southern System scheduled quantities 42,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 165,000 Dth

Flow Date(s) Requested: January 05, 2013

Time of Request: 9:50 a.m.. January 04, 2013

Reason for Request: Southern System scheduled quantities 165,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 106,000 Dth

Flow Date(s) Requested: January 06, 2013

Time of Request: 9:50 a.m.. January 05, 2013

Reason for Request: Southern System scheduled quantities 106,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 70,000 Dth

Flow Date(s) Requested: January 06, 2013

Time of Request: 8:10 p.m.. January 05, 2013

Reason for Request: Southern System scheduled quantities 70,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 196,000 Dth

Flow Date(s) Requested: January 07, 2013

Time of Request: 9:50 a.m.. January 06, 2013

Reason for Request: Southern System scheduled quantities 196,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 17,000 Dth

Flow Date(s) Requested: January 07, 2013

Time of Request: 8:10 p.m.. January 06, 2013

Reason for Request: Southern System scheduled quantities 17,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 296,000 Dth

Flow Date(s) Requested: January 08, 2013

Time of Request: 9:40 a.m.. January 07, 2013

Reason for Request: Southern System scheduled quantities 296,000 Dth below the



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 08, 2013

Time of Request: 8:10 p.m.. January 07, 2013

Reason for Request: Southern System scheduled quantities 15,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 305,000 Dth

Flow Date(s) Requested: January 09, 2013

Time of Request: 9:45 a.m.. January 08, 2013

Reason for Request: Southern System scheduled quantities 305,000 Dth below the



Purpose: SoCalGas' Gas Operations and System Integrity Department requested the

Operational Hub acquire gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 150,000 Dth

Flow Date(s) Requested: January 10, 2013

Time of Request: 5:40 a.m., January 09, 2013

Reason for Request: Because of unusual cold forecasted temperatures and the continued shortfall in scheduled supplies in Cycle 1, SoCalGas' Gas Operations and System Integrity Department requested the Operational Hub to acquire additional supplies prior to Cycle 1.



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 290,000 Dth

Flow Date(s) Requested: January 10, 2013

Time of Request: 10:10 a.m.. January 09, 2013

Reason for Request: Southern System scheduled quantities 290,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 625,000 Dth

Flow Date(s) Requested: January 11, 2013

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

Reason for Request: Southern System scheduled quantities 625,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 542,000 Dth

Flow Date(s) Requested: January 12, 2013

Time of Request: 9:45 a.m.. January 11, 2013

Reason for Request: Southern System scheduled quantities 542,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 400,000 Dth

Flow Date(s) Requested: January 13, 2013

Time of Request: 12:00 p.m., January 11, 2013

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



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 133,000 Dth

Flow Date(s) Requested: January 13, 2013

Time of Request: 10:05 a.m.. January 12, 2013

Reason for Request: Southern System scheduled quantities 133,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 30,000 Dth

Flow Date(s) Requested: January 13, 2013

Time of Request: 1:30 p.m.. January 13, 2013

Reason for Request: Southern System scheduled quantities 30,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 400,000 Dth

Flow Date(s) Requested: January 14, 2013

Time of Request: 12:00 p.m., January 11, 2013

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



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 158,000 Dth

Flow Date(s) Requested: January 14, 2013

Time of Request: 10:05 a.m.. January 13, 2013

Reason for Request: Southern System scheduled quantities 158,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 77,000 Dth

Flow Date(s) Requested: January 14, 2013

Time of Request: 12:00 p.m.. January 14, 2013

Reason for Request: Southern System scheduled quantities 77,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 400,000 Dth

Flow Date(s) Requested: January 15, 2013

Time of Request: 12:00 p.m., January 11, 2013

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



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 330,000 Dth

Flow Date(s) Requested: January 15, 2013

Time of Request: 9:45 a.m.. January 14, 2013

Reason for Request: Southern System scheduled quantities 330,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System/Otay Mesa

Quantity Requested: 100,000 Dth

Flow Date(s) Requested: January 15, 2013

Time of Request: 6:20 a.m., January 15, 2013

Reason for Request: Requested 100,000 Dths to be delivered at the Otay Mesa receipt point located in the Southern System to preserve reliability. Supplies were needed at the South end of the Southern System in order to maintain minimum system pressures.



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 72,000 Dth

Flow Date(s) Requested: January 15, 2013

Time of Request: 8:00 p.m.. January 14, 2013

Reason for Request: Southern System scheduled quantities 72,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 499,000 Dth

Flow Date(s) Requested: January 16, 2013

Time of Request: 10:10 a.m.. January 15, 2013

Reason for Request: Southern System scheduled quantities 499,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System/Otay Mesa

Quantity Requested: 50,000 Dth

Flow Date(s) Requested: January 16, 2013

Time of Request: 12:55 p.m., January 15, 2013

Reason for Request: Requested 50,000 Dths to be delivered at the Otay Mesa receipt point located in the Southern System to preserve reliability. Supplies were needed at the South end of the Southern System in order to maintain minimum system pressures.



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 59,000 Dth

Flow Date(s) Requested: January 16, 2013

Time of Request: 8:20 p.m.. January 15, 2013

Reason for Request: Southern System scheduled quantities 59,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 464,000 Dth

Flow Date(s) Requested: January 17, 2013

Time of Request: 10:15 a.m. January 16, 2013

Reason for Request: Southern System scheduled quantities 464,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 49,000 Dth

Flow Date(s) Requested: January 17, 2013

Time of Request: 8:00 p.m. January 16, 2013

Reason for Request: Southern System scheduled quantities 49,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 460,000 Dth

Flow Date(s) Requested: January 18, 2013

Time of Request: 10:25 a.m. January 17, 2013

Reason for Request: Southern System scheduled quantities 460,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 321,000 Dth

Flow Date(s) Requested: January 19, 2013

Time of Request: 10:15 a.m. January 18, 2013

Reason for Request: Southern System scheduled quantities 321,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 310,000 Dth

Flow Date(s) Requested: January 20, 2013

Time of Request: 9:45 a.m. January 19, 2013

Reason for Request: Southern System scheduled quantities 310,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 288,000 Dth

Flow Date(s) Requested: January 21, 2013

Time of Request: 10:15 a.m. January 20, 2013

Reason for Request: Southern System scheduled quantities 288,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 310,000 Dth

Flow Date(s) Requested: January 22, 2013

Time of Request: 9:45 a.m. January 21, 2013

Reason for Request: Southern System scheduled quantities 310,000 Dth below the



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: January 23, 2013

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

Reason for Request: Southern System scheduled quantities 282,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 236,000 Dth

Flow Date(s) Requested: January 24, 2013

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

Reason for Request: Southern System scheduled quantities 236,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 174,000 Dth

Flow Date(s) Requested: January 25, 2013

Time of Request: 10:00 a.m. January 24, 2013

Reason for Request: Southern System scheduled quantities 174,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 93,000 Dth

Flow Date(s) Requested: January 28, 2013

Time of Request: 10:00 a.m. January 27, 2013

Reason for Request: Southern System scheduled quantities 93,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 40,000 Dth

Flow Date(s) Requested: March 13, 2013

Time of Request: 10:10 a.m. March 12, 2013

Reason for Request: Southern System scheduled quantities 40,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 30,000 Dth

Flow Date(s) Requested: March 16, 2013

Time of Request: 10:50 a.m. March 15, 2013

Reason for Request: Southern System scheduled quantities 30,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 75,000 Dth

Flow Date(s) Requested: March 18, 2013

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

Reason for Request: Southern System scheduled quantities 75,000 Dth below the



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: March 20, 2013

Time of Request: 10:50 a.m. March 19, 2013

Reason for Request: Southern System scheduled quantities 50,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 30,000 Dth

Flow Date(s) Requested: March 21, 2013

Time of Request: 1:00 p.m. March 21, 2013

Reason for Request: Southern System scheduled quantities 30,000 Dth below the



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: March 27, 2013

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

Reason for Request: Southern System scheduled quantities 83,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 98,000 Dth

Flow Date(s) Requested: June 13, 2013

Time of Request: 8:00 p.m. June 12, 2013

Reason for Request: Southern System scheduled quantities 98,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 186,000 Dth

Flow Date(s) Requested: June 27, 2013

Time of Request: 10:15 a.m. June 26, 2013

Reason for Request: Southern System scheduled quantities 186,000 Dth below the



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: June 27, 2013

Time of Request: 7:25 p.m. June 26, 2013

Reason for Request: Southern System scheduled quantities 50,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 238,000 Dth

Flow Date(s) Requested: June 28, 2013

Time of Request: 10:00 a.m. June 27, 2013

Reason for Request: Southern System scheduled quantities 238,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 67,000 Dth

Flow Date(s) Requested: June 28, 2013

Time of Request: 7:30 p.m. June 27, 2013

Reason for Request: Southern System scheduled quantities 67,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 100,000 Dth

Flow Date(s) Requested: June 28, 2013

Time of Request: 10:10 a.m. June 28, 2013

Reason for Request: Southern System scheduled quantities 100,000 Dth below the



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: June 29, 2013

Time of Request: 9:45 a.m. June 28, 2013

Reason for Request: Southern System scheduled quantities 255,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 210,000 Dth

Flow Date(s) Requested: June 29, 2013

Time of Request: 7:45 p.m. June 28, 2013

Reason for Request: Southern System scheduled quantities 210,000 Dth below the



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: June 30, 2013

Time of Request: 10:45 a.m. June 28, 2013

Reason for Request: Southern System scheduled quantities 255,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 100,000 Dth

Flow Date(s) Requested: June 30, 2013

Time of Request: 3:30 p.m. June 28, 2013

Reason for Request: Southern System scheduled quantities 100,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 28,000 Dth

Flow Date(s) Requested: June 30, 2013

Time of Request: 7:45 p.m. June 29, 2013

Reason for Request: Southern System scheduled quantities 28,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 295,000 Dth

Flow Date(s) Requested: July1, 2013

Time of Request: 10:45 a.m. June 28, 2013

Reason for Request: Southern System scheduled quantities 295,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 100,000 Dth

Flow Date(s) Requested: July 1, 2013

Time of Request: 3:30 p.m. June 28, 2013

Reason for Request: Southern System scheduled quantities 100,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 31,000 Dth

Flow Date(s) Requested: July 1, 2013

Time of Request: 9:40 a.m. June 30, 2013

Reason for Request: Southern System scheduled quantities 31,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 307,000 Dth

Flow Date(s) Requested: July 2, 2013

Time of Request: 9:55 a.m. July 01, 2013

Reason for Request: Southern System scheduled quantities 307,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 70,000 Dth

Flow Date(s) Requested: July 2, 2013

Time of Request: 8:15 p.m. July 01, 2013

Reason for Request: Southern System scheduled quantities 70,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 270,000 Dth

Flow Date(s) Requested: July 3, 2013

Time of Request: 9:45 a.m. July 02, 2013

Reason for Request: Southern System scheduled quantities 270,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 48,000 Dth

Flow Date(s) Requested: July 3, 2013

Time of Request: 8:15 a.m. July 02, 2013

Reason for Request: Southern System scheduled quantities 48,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 180,000 Dth

Flow Date(s) Requested: July 4, 2013

Time of Request: 3:30 p.m. July 02, 2013

Reason for Request: Southern System scheduled quantities 180,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 220,000 Dth

Flow Date(s) Requested: July 5, 2013

Time of Request: 3:30 p.m. July 02, 2013

Reason for Request: Southern System scheduled quantities 220,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 124,000 Dth

Flow Date(s) Requested: July 9, 2013

Time of Request: 9:40 a.m. July 08, 2013

Reason for Request: Southern System scheduled quantities 124,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 163,000 Dth

Flow Date(s) Requested: July 10, 2013

Time of Request: 9:50 a.m. July 09, 2013

Reason for Request: Southern System scheduled quantities 163,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 82,000 Dth

Flow Date(s) Requested: July 11, 2013

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

Reason for Request: Southern System scheduled quantities 82,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 36,000 Dth

Flow Date(s) Requested: July 15, 2013

Time of Request: 8:30 p.m. July 14, 2013

Reason for Request: Southern System scheduled quantities 36,000 Dth below the



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: July 16, 2013

Time of Request: 10:00 a.m. July 15, 2013

Reason for Request: Southern System scheduled quantities 46,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 40,000 Dth

Flow Date(s) Requested: July 21, 2013

Time of Request: 8:40 p.m. July 20, 2013

Reason for Request: Southern System scheduled quantities 40,000 Dth below the



Purpose: So Cal Gas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 23,000 Dth

Flow Date(s) Requested: July 21, 2013

Time of Request: 12:12 p.m. July 21, 2013

Reason for Request: Southern System scheduled quantities 23,000 Dth below the



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: July 22, 2013

Time of Request: 10:20 a.m. July 21, 2013

Reason for Request: Southern System scheduled quantities 157,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 63,000 Dth

Flow Date(s) Requested: July 22, 2013

Time of Request: 10:00 a.m. July 22, 2013

Reason for Request: Southern System scheduled quantities 63,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 75,000 Dth

Flow Date(s) Requested: July 23, 2013

Time of Request: 10:00 a.m. July 22, 2013

Reason for Request: Southern System scheduled quantities 75,000 Dth below the



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: July 23, 2013

Time of Request: 8:45 p.m. July 22, 2013

Reason for Request: Southern System scheduled quantities 53,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 183,000 Dth

Flow Date(s) Requested: July 24, 2013

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

Reason for Request: Southern System scheduled quantities 183,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 176,000 Dth

Flow Date(s) Requested: July 25, 2013

Time of Request: 10:20 a.m. July 24, 2013

Reason for Request: Southern System scheduled quantities 176,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 111,000 Dth

Flow Date(s) Requested: July 26, 2013

Time of Request: 10:20 a.m. July 25, 2013

Reason for Request: Southern System scheduled quantities 111,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 31,000 Dth

Flow Date(s) Requested: July 26, 2013

Time of Request: 8:15 p.m. July 25, 2013

Reason for Request: Southern System scheduled quantities 31,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 90,000 Dth

Flow Date(s) Requested: July 30, 2013

Time of Request: 9:50 a.m. July 29, 2013

Reason for Request: Southern System scheduled quantities 90,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 90,000 Dth

Flow Date(s) Requested: August 13, 2013

Time of Request: 10:00 a.m. August 12, 2013

Reason for Request: Southern System scheduled quantities 90,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 98,000 Dth

Flow Date(s) Requested: August 14, 2013

Time of Request: 09:55 a.m. August 13, 2013

Reason for Request: Southern System scheduled quantities 98,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 158,000 Dth

Flow Date(s) Requested: August 15, 2013

Time of Request: 10:00 a.m. August 14, 2013

Reason for Request: Southern System scheduled quantities 158,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 59,000 Dth

Flow Date(s) Requested: August 19, 2013

Time of Request: 10:00 a.m. August 18, 2013

Reason for Request: Southern System scheduled quantities 59,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 76,000 Dth

Flow Date(s) Requested: August 20, 2013

Time of Request: 9:40 a.m. August 19, 2013

Reason for Request: Southern System scheduled quantities 76,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 98,000 Dth

Flow Date(s) Requested: August 21, 2013

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

Reason for Request: Southern System scheduled quantities 98,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 191,000 Dth

Flow Date(s) Requested: August 22, 2013

Time of Request: 9:50 a.m. August 21, 2013

Reason for Request: Southern System scheduled quantities 191,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 58,000 Dth

Flow Date(s) Requested: August 22, 2013

Time of Request: 8:00 p.m. August 21, 2013

Reason for Request: Southern System scheduled quantities 58,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 165,000 Dth

Flow Date(s) Requested: August 23, 2013

Time of Request: 9:50 a.m. August 22, 2013

Reason for Request: Southern System scheduled quantities 165,000 Dth below the



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: August 27, 2013

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

Reason for Request: Southern System scheduled quantities 97,000 Dth below the



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: August 28, 2013

Time of Request: 10:00 a.m. August 27, 2013

Reason for Request: Southern System scheduled quantities 108,000 Dth below the



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: August 29, 2013

Time of Request: 10:10 a.m. August 28, 2013

Reason for Request: Southern System scheduled quantities 155,000 Dth below the



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: August 29, 2013

Time of Request: 8:35 p.m. August 28, 2013

Reason for Request: Southern System scheduled quantities 86,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 182,000 Dth

Flow Date(s) Requested: August 30, 2013

Time of Request: 10:00 a.m. August 29, 2013

Reason for Request: Southern System scheduled quantities 182,000 Dth below the



Purpose: SoCalGas' Gas Control Department requested the Operational Hub acquire

gas supplies to ensure system reliability.

Location: Southern System

Quantity Requested: 76,000 Dth

Flow Date(s) Requested: August 31, 2013

Time of Request: 10:00 a.m. August 30, 2013

Reason for Request: Southern System scheduled quantities 76,000 Dth below the

ATTACHMENT F

Advice No. 4547

DEALS, CONFIDENTIAL

CONFIDENTIAL – PROVIDED ONLY TO THE ENERGY DIVISION UNDER THE PROVISIONS OF GENERAL ORDER 66-C AND SECTION 583
OF THE PUBLIC UTILITIES CODE