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July 7, 2023

Advice No. 6162-G  
(U 904 G)

Public Utilities Commission of the State of California

**Subject: 2023 Post-Forum Report in Compliance with Decision (D.) 09-11-006**

Southern California Gas Company (SoCalGas) hereby submits with the California Public Utilities Commission (Commission) the 2023 Post-Forum Report (Attachment A) relating to its most recent annual Utility Customer Forum, held on May 10, 2023.

### **Background**

In D.09-11-006, the Commission adopted SoCalGas' 2009 Biennial Cost Allocation Proceeding (BCAP) Phase Two Settlement Agreement.<sup>1</sup> Pursuant to D.09-11-006 and SoCalGas Rule No. 41, SoCalGas is required to hold an annual Customer Forum concerning Operational Flow Orders (OFOs) and minimum flow requirements.<sup>2</sup> SoCalGas and Customer Forum participants are directed to develop a Post-Forum Report that summarizes matters discussed at the Customer Forum and identify any action items, tariff changes, or procedural modifications that were found to be necessary by parties participating in the Customer Forum. The Post-Forum Report is to include descriptions of the proposals presented by Customer Forum participants, and if a party is dissatisfied with the description of its proposal or SoCalGas' basis for the rejection of its proposal, then the Post-Forum Report shall include that party's own description of its proposal and comments on the rejection of the proposal in the appendix to the Post-Forum Report.

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<sup>1</sup> Appendix A of the June 2, 2009, Joint Motion of the Settlement Parties for Adoption of Settlement Agreement and Suspension of Hearing Schedule for Phase Two Issues.

<sup>2</sup> See SoCalGas Rule No. 41, Section 22.

**Annual Report**

SoCalGas posted its Fourteenth Annual Report of System Reliability Issues (Annual Report) on its Electronic Bulletin Board, SoCalGas ENVOY® (Envoy), on April 26, 2023, addressing OFOs and minimum flow requirements. A copy of the Annual Report is included in Attachment A - Appendix 1.

**Customer Forum**

SoCalGas held its 2023 Customer Forum on May 10, 2023. The Customer Forum was held in compliance with Section 22 of Rule No. 41, which provides that its annual forums are to address the following topics:

- i. Review of the timing, method, formulas, and all inputs to formulas by which OFO events are triggered;
- ii. Review of requests for the Operational Hub to acquire additional supplies to meet minimum flow requirements ;
- iii. Review of Operational Hub purchases/actions to meet minimum flow requirements and plans for the coming year by providing information regarding the individual transactions, including transactions executed pursuant to the Operational Hub contractual arrangements. Transaction-specific information shall identify price, volume, date, delivery/receipt points, and any special terms;
- iv. Review the need for any additional minimum flow requirements on the Utility system beyond then-current defined requirements;
- v. Review potential additional tools to support system operations and potential system improvements to reduce or eliminate the need for any minimum flowing supply requirements.

SoCalGas provided a PowerPoint presentation at the Customer Forum which contained an agenda, overview, and summary of the operational matters and proposals outlined in SoCalGas' April 26, 2023, Annual Report. Specific operational matters highlighted for discussion included: 1) High OFO Review; 2) Low OFO Review; 3) Scheduled Quantity Adjustments; and 4) System Reliability Support Activity Results. Additional operational matters discussed included: 1) ENVOY updates; 2) Operational Update – Winter Storage; and 3) Cold Winter 2022-2023. Additional regulatory matters discussed included: 1) EPNG Line 2000 Outage; 2) North Baja Xpress Project CPCN; 3) Gas Planning Rulemaking; 4) SB380 Proceeding Update; and 5) 2024 Cost Allocation Proceeding – BTS Credit Mechanism. Approximately 109 people representing customers, gas suppliers, and other interested parties attended the Customer Forum via Microsoft Teams and in person. A copy of the PowerPoint presentation is included in Attachment A - Appendix 2.

On May 31, 2023, SoCalGas posted a draft of the Post-Forum Report on Envoy and did not receive feedback from stakeholders. On June 15, 2023, SoCalGas posted a draft of the Post-Forum Report that included additional information and did not receive feedback from stakeholders. A copy of the Post-Forum Report is provided in Attachment A.

The next Customer Forum will be scheduled for Q2 2024.

### **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 submitted electronically and must be received within 20 days after the date of this advice letter, which is July 27, 2023. Protests should be submitted to the attention of the Energy Division Tariff Unit at:

E-mail: [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov)

In addition, protests and all other correspondence regarding this advice letter should also be sent electronically to the attention of:

Attn: Gary Lenart  
Regulatory Tariff Manager  
E-mail: [GLenart@socalgas.com](mailto:GLenart@socalgas.com)  
E-mail: [Tariffs@socalgas.com](mailto:Tariffs@socalgas.com)

### **Effective Date**

SoCalGas believes that this submittal is subject to Energy Division disposition and should be classified as Tier 2 (effective after staff approval) pursuant to General Order (GO) 96-B. SoCalGas respectfully requests that this submittal be approved on August 6, 2023, which is 30 calendar days from the date submitted.

**Notice**

A copy of this advice letter is being sent to SoCalGas' GO 96-B service list and the Commission's service lists in A.15-07-014 and A.15-06-020.

Address change requests to the GO 96-B service list should be directed via e-mail to [Tariffs@socalgas.com](mailto:Tariffs@socalgas.com) or call 213-244-2424. For changes to all other service lists, please contact the Commission's Process Office at 415-703-2021 or via e-mail at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov).

*/s/ Joseph Mock*  
Joseph Mock  
Director - Regulatory Affairs



# ADVICE LETTER SUMMARY

## ENERGY UTILITY



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

Company name/CPUC Utility No.:

Utility type:

ELC       GAS       WATER  
 PLC       HEAT

Contact Person:

Phone #:  
E-mail:  
E-mail Disposition Notice to:

EXPLANATION OF UTILITY TYPE

ELC = Electric      GAS = Gas      WATER = Water  
PLC = Pipeline      HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #:

Tier Designation:

Subject of AL:

Keywords (choose from CPUC listing):

AL Type:  Monthly     Quarterly     Annual     One-Time     Other:

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

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL:

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested?  Yes     No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required?  Yes     No

Requested effective date:

No. of tariff sheets:

Estimated system annual revenue effect (%):

Estimated system average rate effect (%):

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:

Service affected and changes proposed<sup>1</sup>:

Pending advice letters that revise the same tariff sheets:

<sup>1</sup>Discuss in AL if more space is needed.

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

CPUC, Energy Division  
Attention: Tariff Unit  
505 Van Ness Avenue  
San Francisco, CA 94102  
Email: [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov)

Name:  
Title:  
Utility Name:  
Address:  
City: State:  
Telephone (xxx) xxx-xxxx:  
Facsimile (xxx) xxx-xxxx:  
Email:

Name:  
Title:  
Utility Name:  
Address:  
City: State:  
Telephone (xxx) xxx-xxxx:  
Facsimile (xxx) xxx-xxxx:  
Email:

**ATTACHMENT A**

**Advice No. 6162-G**

**Southern California Gas Company  
2023 Post-Forum Report on System Reliability Issues**

Appendix 1: Fourteenth Annual Report of System Reliability Issues released  
on April 26, 2023

Appendix 2: PowerPoint Presentation for SoCalGas' 2023 Customer Forum on  
May 10, 2023

# **Southern California Gas Company**

## **2023 Post-Forum Report on System Reliability Issues**

### **Overview**

Pursuant to D.09-11-006 and SoCalGas Rule No. 41, Southern California Gas Company (SoCalGas) holds an annual Utility Customer Forum (Forum) each year concerning Operational Flow Orders (OFOs) and Minimum Flow Requirements. SoCalGas and the Forum participants are to collaborate in good faith to develop a post-Forum report. The post-Forum report will summarize the matters discussed at the relevant Forum and identify any action items, tariff changes, and/or procedural modifications that were found to be necessary by parties participating in the Forum. The post-Forum report will include descriptions of the proposals presented by Forum participants.

### **Annual Report**

SoCalGas posted its Fourteenth Annual Report of System Reliability Issues (Fourteenth Annual Report / 2023 Customer Forum Report) on its electronic bulletin board, SoCalGas ENVOY<sup>®</sup> (ENVOY), on April 26, 2023, addressing the matters described above. The report covered the 2023 Report Period from April 1, 2022, through March 31, 2023. A copy of the Fourteenth Annual Report is included as Appendix 1 to this post-Forum Report.

### **Customer Forum**

SoCalGas held its 2023 Forum on May 10, 2023, in compliance with Section 22 of Rule No. 41, to address the following matters with interested parties:

- i. Review the timing, method, formulas, and all inputs to formulas by which OFO events are triggered;
- ii. Review requests for the System Operator to acquire additional supplies to meet minimum flow requirements;
- iii. Review System Operator purchases/actions to meet minimum flow requirements and plans for the coming year by providing information regarding the individual transactions, including transactions executed pursuant to the System Operator contractual arrangements. Transaction-specific information shall identify price, volume, date, delivery/receipt points, and any special terms;



- iv. Review the need for any additional minimum flow requirements on the Utility system beyond then-current defined requirements;
- v. Review potential additional tools to support system operations and potential system improvements to reduce or eliminate the need for any minimum flowing supply requirements.

SoCalGas provided a presentation at the meeting and made it available to meeting participants after its conclusion. The presentation contained the agenda, overview, and summary of the operational matters and proposals as outlined in SoCalGas' Fourteenth Annual Report. Specific operational matters within scope of the Customer Forum included: 1) High OFO Review; 2) Low OFO Review; 3) Scheduled Quantity Adjustments; and 4) System Reliability Support Activity Results. Additional operational matters discussed included: 1) ENVOY updates; 2) Operational Update – Winter Storage; and 3) Cold Winter 2022-2023. Additional regulatory matters discussed included: 1) EPNG Line 2000 Outage; 2) North Baja Xpress Project CPCN; 3) Gas Planning Rulemaking; 4) SB380 Proceeding Update; and 5) 2024 Cost Allocation Proceeding – BTS Credit Mechanism.

A copy of the presentation is included as Appendix 2 to this post-Forum Report.

Approximately 109 people representing customers, gas suppliers, and other interested parties attended the Forum. The relevant issues from the Fourteenth Annual Report as well as other operational matters were discussed. No questions were submitted by customers prior to the meeting.

Responses to questions received during the meeting are presented below.

### **High OFO Review**

Question: Please provide some color on the subjective nature of OFO declarations. Some shippers have been under the impression that OFO declarations are based strictly on a mathematical equation. However, there is in fact a subjective nature to the OFO declarations.

Response: As presented in the Customer Forum and as stated in SoCalGas's Rules, an OFO is declared if, on a day prior to the Gas Day, in the sole judgement of Gas Control, the system forecast of storage injection used for balancing exceeds the injection capacity allocated to the balancing function (High OFO), or the system forecast of storage withdrawal used for balancing exceeds the withdrawal capacity allocated to the balancing function (Low OFO). Even though there is a mathematical component that drives the OFO declarations, SoCalGas's CPUC-approved rules allow for Gas Control to use judgment in OFO declarations.

Question: When gas flowing into the system is greater than system demand, where does the surplus end up?

Response: When gas supply flowing into the system is greater than system demand, storage injection for system balancing is used to accommodate the surplus.

### **Low OFO Review**

Question: There have been instances when SoCalGas declares a Low OFO on days when there is forecast net injection. Doesn't this send a false signal to the market?

Response: No. OFO declarations are based on system balancing. A Low OFO is declared if, on a day prior to the Gas Day, in the sole judgment of Gas Control, the system forecast of storage withdrawal used for balancing exceeds the withdrawal capacity allocated to the balancing function. Whether or not a Gas Day has a net injection, a Low OFO will be declared if the previous statement is true.

Question: Could SoCalGas investigate declaring OFOs on Cycle 1?

Response: No. SoCalGas previously declared OFOs on Cycle 1, using the latest available scheduled volumes from Cycle 5 of the previous gas day. This approach

led to many “false” OFOs as the calculation was based on obsolete information. By waiting until Cycle 2, the OFO calculation uses more relevant scheduled volumes (from Cycle 1 of the same gas day) and allows SoCalGas to declare OFOs based on more relevant information.

### **Scheduled Quantity Adjustments**

There were no questions asked regarding Scheduled Quantity Adjustments.

### **Southern System Reliability Support Activity Results**

There were no questions asked regarding Southern System Reliability Support Activity Results.

### **ENVOY Updates**

Question: Will SoCalGas consider introducing Application Programming Interface (API) technology into ENVOY in the future?

Response: SoCalGas currently does not have plans to incorporate APIs into ENVOY over the next 2-3 years. However, we are always interested in finding out what improved ENVOY capabilities that customers would like to use if they become available.

### **Operational Update – Winter Storage**

There were no questions asked regarding the System Update – Winter Storage.

### **Cold Winter 2022-2023**

There were no questions asked regarding Cold Winter 2022-2023.

### **EPNG Line 2000 Outage**

There were no questions asked regarding the EPNG Line 2000 Outage.

### **North Baja Xpress Project CPCN**

There were no questions asked regarding the North Baja Xpress Project CPCN.

## **Gas Planning Rulemaking**

There were no questions asked regarding Gas Planning Rulemaking (R.20-02-007)

## **SB 380 Proceeding Update**

There were no questions asked regarding the SB 380 Proceeding Update.

## **2024 Cost Allocation Proceeding – BTS Credit Mechanism**

There were no questions asked regarding the 2024 Cost Allocation Proceeding – BTS Credit Mechanism.

## **Additional Items**

Question: Is there any plan to implement the capability of reciprocal nominations (i.e., buy from and sell to the same counterparty within the same pool)?

Response: SoCalGas previously explored the feasibility of this feature and found that allowing reciprocal nominations will create technical system problems due to an increase in transaction loops. However, SoCalGas intends to explore this feasibility with its IT team again.

Question: With the addition of three new California Producer receipt points to SoCalGas's major Transmission Zones, does a producer need to be physically producing in one of those Transmission Zones in order to be considered within one of those Transmission Zones?

Response: Yes, a producer needs to be producing in one of those Transmission Zones in order to be considered within one of those Transmission Zones.

Question: When do you expect a decision regarding the Aliso Canyon increase in capacity?

Response: SoCalGas and SDG&E have requested an expedited decision by the Commission on its April 19, 2023, Petition for Modification to increase the Aliso Canyon storage capacity from 41.16 Bcf to 68.6 Bcf for the upcoming summer season and 2023-2024 winter season, to mitigate against similar price spikes in the future and to preserve reliability. SoCalGas and SDG&E requested that the Commission act swiftly to allow sufficient time for injections prior to November 1, 2023.

Question: Has SoCalGas presented a proposal?

Response: Yes, on April 19, 2023, SoCalGas and SDG&E filed a Petition for Modification requesting the Commission to increase the Aliso Canyon storage capacity from 41.16 Bcf to 68.6 Bcf for the upcoming summer season and 2023-2024 winter season, in order to mitigate against similar price spikes in the future and impacts to customers, and to preserve reliability.

### **Conclusion**

The next Forum will be scheduled for Q2 2024.

**ATTACHMENT A**

**Advice No. 6162-G**

**Southern California Gas Company**

**APPENDIX 1**

**2023 FOURTEENTH ANNUAL REPORT  
OF SYSTEM RELIABILITY ISSUES  
RELEASED ON APRIL 26, 2023**



# Fourteenth Annual Report of System Reliability Issues

2023 Customer Forum

**April 26, 2023**

# Fourteenth Annual Report of System Reliability Issues

Date Issued: April 26, 2023

## Introduction

SoCalGas presents its Fourteenth Annual Report of System Reliability Issues (Report). This Report covers the time period from April 1, 2022, through March 31, 2023. Pursuant to Section 22 of Rule No. 41, this Report includes information on the following subjects:

- A. Review of the timing, method, formulas, and all inputs to formulas by which Operational Flow Order (OFO) events are triggered;
- B. Review of requests for the System Operator to acquire additional supplies to meet minimum flow requirements;<sup>1</sup>
- C. Review of System Operator purchases/actions to meet minimum flow requirements and plans for the coming year by providing information regarding the individual transactions, including transactions executed pursuant to the System Operator contractual arrangements. Transaction-specific information shall identify price, volume, date, delivery/receipt points, and any special terms;
- D. Review the need for any additional minimum flow requirements on the Utility system beyond then-current defined requirements; and
- E. Review potential additional tools to support system operations and potential system improvements to reduce or eliminate the need for any minimum flowing supply requirements.

This Report also includes information not required by Rule No. 41 that is relevant to discussion of OFO events and system reliability.

- F. Review of the impact of the July 23, 2019, Aliso Canyon Withdrawal Protocol (ACWP) on Low OFO events and system operations.
- G. Review of regulatory proceedings impacting system operations and OFO events.

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<sup>1</sup> Pursuant to Rule No. 41, the activities involved in meeting any physical flowing gas supply requirements as determined by the Gas Control Department, formerly conducted by the Operational Hub, are currently conducted by the System Operator.



# Fourteenth Annual Report of System Reliability Issues

Date Issued: April 26, 2023

## A. Operational Flow Orders

Under SoCalGas Rule No. 41, an OFO may be issued if, on a day prior to this Gas Day, in the sole judgment of Gas Control, the system forecast of storage withdrawal or injection used for balancing exceeds the withdrawal or injection capacity allocated to the balancing function. SoCalGas may elect not to issue an OFO for a Gas Day if the system forecast for the following Gas Day indicates the use of storage withdrawal or injection used for system balancing will return to reasonable levels without the assistance of an OFO.

OFOs are declared only on the Evening and Intraday 1 cycles by 8PM on the day prior to the Gas Day.

<u>Cycle</u>	<u>Quantity Used for High and Low OFO Calculations</u>
2 - Evening	Timely Cycle Scheduled Quantities
3 - Intraday 1	Evening Cycle Scheduled Quantities

Gas Control develops the sendout forecast by using weather data for estimating core demand (wholesale and retail) and market information and historical data for noncore customer demand. Gas Control also makes use of demand forecast data provided directly from the grid operators, including, but not limited to the California Independent System Operator (CAISO), Los Angeles Department of Water & Power (LADWP), and Imperial Irrigation District (IID).

High OFO events are triggered when forecasted storage injection for balancing exceeds the injection capacity allocated for the balancing function.

A total of 96 High OFO events were called from April 1, 2022, through March 31, 2023. This represents a 12% decrease in comparison to the 109 High OFOs called during the previous Report Period. Attachment 1 provides detailed calculations for each High OFO event for the Report Period.

<b>Number of High OFOs from April 1, 2022 through March 31, 2023</b>											
<u>Apr-22</u>	<u>May-22</u>	<u>Jun-22</u>	<u>Jul-22</u>	<u>Aug-22</u>	<u>Sep-22</u>	<u>Oct-22</u>	<u>Nov-22</u>	<u>Dec-22</u>	<u>Jan-22</u>	<u>Feb-23</u>	<u>Mar-23</u>
10	6	14	8	10	13	21	13	1	0	0	0

There were several factors that possibly contributed to the number of High OFO events declared during the Report Period. There was a higher storage inventory at the beginning of the 2022 injection season compared to the beginning of the 2021 injection season, reducing injection capability for the balancing function. Storage inventory was 39% higher at the beginning of April and 8% higher at the end of October year-over-year, 2022 versus 2021. Storage injection capacity was further reduced due to unplanned maintenance such as the Aliso Canyon electric driven compressor electrical repairs from April 4, 2022 to April 17, 2022 and from May 5, 2022 to May 27, 2022. Furthermore, multiple storage fields were filled to maximum authorized capacity relatively sooner during this Report Period.

# Fourteenth Annual Report of System Reliability Issues

Date Issued: April 26, 2023

Low OFO events are triggered when forecasted storage withdrawal used for balancing exceeds the withdrawal capacity allocated for the balancing function.

A total of 67 Low OFO events were called from April 1, 2022, through March 31, 2023. This represents a 116% increase in comparison to the 31 Low OFOs called during the previous Report Period. Attachment 1 provides detailed calculations for each Low OFO event for the Report Period.

Number of Low OFOs from April 1, 2022 through March 31, 2023											
<u>Apr-22</u>	<u>May-22</u>	<u>Jun-22</u>	<u>Jul22</u>	<u>Aug-22</u>	<u>Sep-22</u>	<u>Oct-22</u>	<u>Nov-22</u>	<u>Dec-22</u>	<u>Jan-23</u>	<u>Feb-23</u>	<u>Mar-23</u>
0	1	2	0	0	0	0	14	10	15	13	12

Lower system average temperatures possibly contributed to the increased number of Low OFOs called during the Report Period. In SoCalGas' and SDG&E's combined service territory, below-normal temperatures were observed during the winter period. System average temperatures were 6°F colder in November and March, and 4°F colder in January and February, year-over-year, Winter 2022-2023 versus Winter 2021-2022. These colder temperatures led to higher natural gas demand exceeding the withdrawal capability for the balancing function.

Rule 30 Section G.1.h requires that Low OFO noncompliance charges be waived when nomination cuts are made during scheduling cycles 3, 4 or 5. This condition was implemented during the Report Period on November 1, 2022, November 5, 2022, and November 6, 2022.

Should SoCalGas' implementation of a Low OFO prove to be inadequate to maintain system integrity, SoCalGas may implement other measures including an Emergency Flow Order (EFO). SoCalGas may invoke EFOs when a forecast or an actual supply and/or capacity shortage threatens deliveries to End-Use Customers. An EFO will normally be invoked following an OFO but SoCalGas may invoke an EFO without previously invoking an OFO if, in SoCalGas' judgment, emergency operating conditions exist. There shall be no minimum notice period for EFOs, however, SoCalGas will attempt to provide as much notification to customers as practicable under the circumstances. No EFO events were called from April 1, 2022, through March 31, 2023.

## B. Requests for Additional Supplies to Meet Minimum Flow Requirements

A description of the requests from Gas Control to obtain additional supplies to meet Southern System minimum flow requirements from April 1, 2022, through March 31, 2023, can be found in Attachment 2. A total of 56 such requests were made during the Report Period.

The System Operator may ask the Utility Gas Procurement Department per Section 13 of Rule 41 to act on a best-efforts basis to provide gas supplies as a provider of last resort. "Provider of last resort" relates to the circumstance in which the System Operator has attempted to use all other available tools, has entered the open market for gas commodity

# Fourteenth Annual Report of System Reliability Issues

Date Issued: April 26, 2023

purchases, has been unsuccessful in meeting its need to receive a required volume of flowing supplies at a specific location, and system reliability is therefore jeopardized. Pursuant to Section E(4) of Rule 33, the terms of any resulting transactions are to be posted on Envoy within 72 hours after the conclusion of the transaction. No Provider of last resort requests were made during this Report Period.

## C. System Operator Transactions to Meet Minimum Flow Requirements and Plans for the Coming Year

SoCalGas, if required, will use spot purchases, baseload agreements,<sup>2</sup> and evaluate the possible use of discounted Backbone Transportation Service (BTS) capacity to meet its Southern System minimum flow requirements.

During the Report Period, SoCalGas purchased and sold approximately 4.124 MMDth of spot market supply at an approximate net cost of \$7.52 per Dth or a total approximate net cost of \$31 million. No baseload supply was purchased during the Report Period.

Increased purchases and sales of spot market supplies were the result in part of a reduction in upstream capacity caused by an extended constraint on the El Paso Natural Gas (EPNG) South Mainline system that began on August 15, 2021 and ended on February 15, 2023.

During the Report Period, SoCalGas did not offer discounted interruptible transportation rates for gas transported from the El Paso – Ehrenberg receipt point to increase customer delivery of gas into the Southern System.

The Sixth Memorandum In lieu of Contract (MILC) between SoCalGas' System Operator and Gas Acquisition for gas supply to support Southern System minimum flow requirements became effective on November 1, 2021. Its evergreen provision is limited to three one-year terms ending not later than October 31, 2024, unless cancelled in writing by SoCalGas at least 30 days prior to the second or third terms.

## D. Additional Minimum Flow Requirements

There is no need for any additional minimum flow requirements outside of the Southern System at this time.

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<sup>2</sup> SoCalGas submitted Advice No. (AL) 5971 on April 26, 2022 to continue through March 31, 2025 the prequalification provisions for baseload contracts included in Rule No. 41, Section 19, which expired on March 31, 2022.

# Fourteenth Annual Report of System Reliability Issues

Date Issued: April 26, 2023

## E. Potential Additional Tools to Support System Operations and Potential System Improvements to Reduce or Eliminate the Need for Minimum Flowing Supply Requirements

Tools previously identified by SoCalGas to meet this minimum flow requirement include spot purchases, Requests for Offers (RFOs) to gas suppliers to help meet Southern System flowing supply needs, minimum flow obligations (see Decision (D.) 07-12-019, mimeo. at 58-64.), and MILCs between SoCalGas' System Operator and Gas Acquisition.

The Commission recently reviewed the adequacy of these tools in Rulemaking No. 20-01-007 based on the expected construction of the ECA LNG export terminal and North Baja Xpress Project. The Commission determined that:

SoCalGas currently has reasonable tools available to address Southern System reliability issues including: (a) spot market purchases at Southern Zone receipt points for subsequent sale at the Citygate; (b) memoranda in lieu of contract between its Gas Acquisition Department and System Operator for coverage of the Southern System minimum requirements attributable to bundled core customers; (c) seasonal baseload transactions to secure preset daily delivery to Southern Zone receipt points; (d) discounted backbone transportation service (BTS) contracts applicable to Southern Zone receipt points; and (e) ability to issue a Request for Proposals (RFP) seeking additional tools.<sup>3</sup>

The North Baja Xpress project is scheduled to begin service in 2023.<sup>4</sup> The ECA LNG export terminal is expected to commence commercial operations in the Summer of 2025.<sup>5</sup>

## F. Post-Forum Report

Rule No. 41 requires SoCalGas and Forum participants to collaborate in good faith to develop a post-Forum report that includes identifying any tariff changes that are found to be necessary by Forum participants. Tariff changes proposed in the Forum will be submitted to the CPUC by Advice Letter no later than 60 days after the Forum.

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<sup>3</sup> Commission Order No. D.22-07-002, Finding of Fact 20.

<sup>4</sup> [North Baja Xpress Project Fact Sheet](#)

<sup>5</sup> Sempra 2022 Form 10-K, page 23

# Fourteenth Annual Report of System Reliability Issues

Date Issued: April 26, 2023

## G. The Aliso Canyon Withdrawal Protocol

On July 23, 2019, the Commission’s Energy Division issued a revised ACWP replacing the November 2, 2017, version in its entirety. The July 23, 2019, ACWP authorizes SoCalGas to withdraw gas from the Aliso Canyon natural gas storage facility only if any of the following conditions are met:

- a. Preliminary low Operational Flow Order (OFO) calculations for any cycle result in a Stage 2 low OFO or higher for the applicable gas day (Condition 1);
- b. Aliso Canyon is above 70% of its maximum allowable inventory between February 1 and March 31; in such case, SoCalGas may withdraw from Aliso Canyon until inventory declines to 70% of its maximum allowable inventory (Condition 2);
- c. The Honor Rancho and/or La Goleta fields decline to 110% of their month-end minimum inventory requirements during the winter season (Condition 3); and/or
- d. There is an imminent and identifiable risk of gas curtailments created by an emergency condition that would impact public health and safety or result in curtailments of electric load that could be mitigated by withdrawals from Aliso Canyon (Condition 4).

There was a total of 109 ACWP events during this Report Period.

	ACWP Events	Low OFOs Declared
<b>Condition Met (Total)</b>	109	54
<b>Condition 1 – Cycle 1</b>		
	83	41
<b>Condition 1 – Cycle 2</b>		
	16	5
<b>Condition 1 – Cycle 3</b>		
	10	8
There were no ACWP events for Conditions 2, 3, and 4 during this Report Period.		

The ACWP likely helped SoCalGas and SDG&E customers avoid Low OFOs on 55 out of the 109 days when a condition was met. There were 54 ACWP event days when a Low OFO was not avoided. For 7 of these events, a Low OFO had already been declared. For the remaining 47 events, customer imbalances were too high to be fully mitigated by the availability of Aliso Canyon’s withdrawal capacity.

# Fourteenth Annual Report of System Reliability Issues

Date Issued: April 26, 2023

## H. Regulatory Updates

### PLD21FR003 National Transportation Safety Board (NTSB) EPNG Line 2000 Rupture Investigation

On August 15, 2021, EPNG Line 2000 ruptured near Coolidge, Arizona. The NTSB opened Investigation PLD21FR003 into the incident. The incident and subsequent investigation resulted in less available capacity on the EPNG South Mainline system upstream of the SoCalGas EPNG Ehrenberg Receipt Point.

On April 19, 2022, EPNG reported that “the pipeline failure remains under a PHMSA order, and the entire Line 2000 system is under a reduced operating pressure. The reduced operating pressure in effect removes the Line 2000 system from service from Black River compressor station to the California border.”<sup>6</sup>

On February 6, 2023, EPNG received approval from PHMSA to fully lift the pressure restriction on Line 2000. The Force Majeure condition was lifted effective February 15, 2023.<sup>7</sup>

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<sup>6</sup> EPNG EBB-Notice ID:614606-Force Majeure-Line 2000-Update #12

<sup>7</sup> EPNG EBB-Notice ID:617318-Force Majeure-Line 2000-Update #20



**ATTACHMENT A**

**Advice No. 6162-G**

**Southern California Gas Company**

**ATTACHMENT 1**

**to**

**APPENDIX 1**

2023 Fourteenth Annual Report of  
System Reliability Issues  
released on April 26, 2023

**DETAILED CALCULATIONS FOR EACH  
HIGH and LOW OFO EVENT**

**LOW OFO**



Gas Day	Cycle	OFO Declared	OFO Stage	OFO Tolerance %	Aliso Canyon Withdrawal Protocol	Latest On-System Receipts	Latest Off-System Deliveries	Forecasted Receipts	Forecasted Send Out	% of Forecasted Send Out	Calculated Forecasted Send Out	Latest Withdrawals	Latest Injections	Forecasted Net Withdrawals (Injections)	Forecasted Total Daily Customer Imbalance	Non-Aliso Canyon Withdrawal Capacity	Aliso Canyon Withdrawal Capacity	Withdrawal Capacity	Maximum Withdrawal Capacity for Load Balancing	Withdrawal Capacity for Load Balancing	% for Load Balancing	Storage Limit For Balancing	Excess Storage Withdrawal For Balancing
01/30/2023	2	LOW	Stage 3.1	-5	Condition 1	2,945,052	0	2,945,052	3,716,000	106	3,938,960	414,010	0	414,010	579,898	843,000	832,000	1,675,000	2,482,000	1,675,000	17	284,750	(295,148)
01/30/2023	3	LOW	Stage 3.1	-5	Condition 1	2,955,051	0	2,955,051	3,716,000	106	3,938,960	484,510	0	484,510	499,399	843,000	832,000	1,675,000	2,482,000	1,675,000	17	284,750	(214,649)
01/31/2023	2	LOW	Stage 3	-5	Condition 1	2,949,610	0	2,949,610	3,913,784	106	4,148,611	482,813	0	482,813	716,188	843,000	832,000	1,675,000	2,482,000	1,675,000	17	284,750	(431,438)
01/31/2023	3	LOW	Stage 3.1	-5	Condition 1	2,965,961	0	2,965,961	3,825,675	106	4,055,216	522,813	0	522,813	566,442	843,000	832,000	1,675,000	2,482,000	1,675,000	17	284,750	(281,692)
02/01/2023	2	LOW	Stage 3.1	-5	Condition 1	2,918,207	0	2,918,207	3,670,175	106	3,890,386	541,386	0	541,386	430,793	844,000	834,000	1,678,000	2,482,000	1,678,000	17	285,260	(145,533)
02/01/2023	3	LOW	Stage 3.1	-5	Condition 1	2,975,382	0	2,975,382	3,553,220	106	3,766,413	551,386	0	551,386	239,645	844,000	834,000	1,678,000	2,482,000	1,678,000	17	285,260	0
02/04/2023	2	LOW	Stage 1	-5	Not Met	2,734,308	0	2,734,308	2,802,005	106	2,970,125	85,035	56,158	28,877	206,940	788,000	0	788,000	1,389,000	788,000	19	149,720	(57,220)
02/04/2023	3	LOW	Stage 1	-5	Condition 1	2,712,558	0	2,712,558	2,802,005	106	2,970,125	85,035	46,158	38,877	218,690	788,000	829,000	1,617,000	2,482,000	1,617,000	17	274,890	0
02/05/2023	2	LOW	Stage 1	-5	Not Met	2,747,339	0	2,747,339	2,820,000	106	2,948,920	36,095	109,158	(73,063)	274,644	790,000	0	790,000	1,389,000	790,000	19	150,100	(124,544)
02/05/2023	3	LOW	Stage 1	-5	Condition 1	2,764,455	0	2,764,455	2,788,972	106	2,956,310	36,095	49,158	(13,063)	204,918	790,000	773,000	1,563,000	2,482,000	1,563,000	17	265,710	0
02/07/2023	2	LOW	Stage 1	-5	Not Met	2,770,777	0	2,770,777	2,810,000	106	2,978,600	17,063	75,000	(57,937)	265,760	788,000	0	788,000	1,389,000	788,000	19	149,720	(116,040)
02/07/2023	3	LOW	Stage 1	-5	Condition 1	2,796,530	0	2,796,530	2,810,000	106	2,978,600	17,063	75,000	(57,937)	240,007	788,000	772,000	1,560,000	2,482,000	1,560,000	17	265,200	0
02/08/2023	2	LOW	Stage 1	-5	Not Met	2,784,582	0	2,784,582	2,779,000	106	2,945,740	9,998	0	9,998	151,160	786,000	0	786,000	1,389,000	786,000	19	149,340	(1,820)
02/08/2023	3	LOW	Stage 1	-5	Not Met	2,793,466	0	2,793,466	2,779,000	106	2,945,740	9,998	0	9,998	142,276	786,000	0	786,000	1,389,000	786,000	19	149,340	0
02/16/2023	2	LOW	Stage 3	-5	Condition 1	2,556,365	0	2,556,365	3,565,000	106	3,778,900	715,829	0	715,829	506,706	784,000	856,000	1,640,000	2,482,000	1,640,000	17	278,800	(227,906)
02/16/2023	3	LOW	Stage 3.1	-5	Condition 1	2,662,582	0	2,662,582	3,565,000	106	3,778,900	965,224	0	965,224	151,094	784,000	856,000	1,640,000	2,482,000	1,640,000	17	278,800	0
02/17/2023	2	LOW	Stage 3	-5	Condition 1	2,775,152	0	2,775,152	3,544,875	106	3,757,568	573,728	0	573,728	408,688	791,000	859,000	1,650,000	2,482,000	1,650,000	17	280,500	(128,188)
02/17/2023	3	LOW	Stage 3	-5	Condition 1	2,815,765	0	2,815,765	3,544,875	106	3,757,568	573,728	0	573,728	368,075	791,000	859,000	1,650,000	2,482,000	1,650,000	17	280,500	(87,575)
02/21/2023	2	No OFO			Condition 1	2,694,846	0	2,694,846	2,959,398	106	3,136,962	264,764	9,910	254,854	187,262	796,000	811,000	1,607,000	2,482,000	1,607,000	17	273,190	0
02/21/2023	3	LOW	Stage 3	-5	Condition 1	2,728,801	0	2,728,801	3,102,000	106	3,288,120	264,764	9,910	254,854	304,465	796,000	811,000	1,607,000	2,482,000	1,607,000	17	273,190	(31,275)
02/22/2023	2	LOW	Stage 3	-5	Condition 1	2,719,353	0	2,719,353	3,631,078	106	3,848,943	687,203	0	687,203	442,387	796,000	811,000	1,607,000	2,482,000	1,607,000	17	273,190	(169,197)
02/22/2023	3	LOW	Stage 3.1	-5	Condition 1	2,715,258	0	2,715,258	3,670,700	106	3,890,942	787,203	0	787,203	388,481	796,000	811,000	1,607,000	2,482,000	1,607,000	17	273,190	(115,291)
02/23/2023	2	LOW	Stage 3	-5	Condition 1	2,690,626	0	2,690,626	4,090,226	106	4,335,640	1,085,565	0	1,085,565	559,449	795,000	811,000	1,606,000	2,482,000	1,606,000	17	273,020	(286,429)
02/23/2023	3	LOW	Stage 3.1	-5	Condition 1	2,713,355	0	2,713,355	4,090,226	106	4,335,640	1,188,789	0	1,188,789	433,496	795,000	811,000	1,606,000	2,482,000	1,606,000	17	273,020	(160,476)
02/24/2023	2	LOW	Stage 3.1	-5	Condition 1	2,527,720	0	2,527,720	3,827,265	106	4,056,901	1,052,959	0	1,052,959	476,222	795,000	806,000	1,601,000	2,482,000	1,601,000	17	272,170	(204,052)
02/24/2023	3	LOW	Stage 3.2	-5	Condition 1	2,696,464	0	2,696,464	3,878,915	106	4,111,650	1,052,959	0	1,052,959	362,227	795,000	806,000	1,601,000	2,482,000	1,601,000	17	272,170	(90,057)
02/27/2023	2	LOW	Stage 3.1	-5	Condition 1	2,755,244	0	2,755,244	3,989,925	106	4,229,321	998,361	0	998,361	475,716	745,000	750,000	1,495,000	2,482,000	1,495,000	17	254,150	(221,566)
02/27/2023	3	LOW	Stage 3.2	-5	Condition 1	2,790,903	0	2,790,903	4,000,000	106	4,240,000	1,014,558	0	1,014,558	434,539	745,000	750,000	1,495,000	2,482,000	1,495,000	17	254,150	(180,389)
02/28/2023	2	LOW	Stage 3	-5	Condition 1	2,765,895	0	2,765,895	3,875,000	106	4,107,500	892,591	0	892,591	449,014	694,000	751,000	1,445,000	2,482,000	1,445,000	17	245,650	(203,364)
02/28/2023	3	LOW	Stage 3.1	-5	Condition 1	2,810,230	0	2,810,230	3,884,712	106	4,117,795	912,591	0	912,591	394,974	694,000	741,000	1,435,000	2,482,000	1,435,000	17	243,950	(151,024)
03/01/2023	2	LOW	Stage 3	-5	Condition 1	2,509,625	0	2,509,625	3,801,504	106	4,029,594	1,144,824	0	1,144,824	375,145	694,000	741,000	1,435,000	2,482,000	1,435,000	17	243,950	(131,195)
03/01/2023	3	LOW	Stage 3.1	-5	Condition 1	2,524,558	0	2,524,558	3,801,504	106	4,029,594	1,144,824	0	1,144,824	360,212	694,000	741,000	1,435,000	2,482,000	1,435,000	17	243,950	(116,262)
03/02/2023	2	LOW	Stage 3.1	-5	Condition 1	2,533,698	0	2,533,698	3,739,348	106	3,963,709	1,014,847	0	1,014,847	415,164	673,000	741,000	1,414,000	2,482,000	1,414,000	17	240,380	(174,784)
03/02/2023	3	LOW	Stage 3.2	-5	Condition 1	2,597,428	0	2,597,428	3,739,348	106	3,963,709	1,093,214	0	1,093,214	273,067	673,000	741,000	1,414,000	2,482,000	1,414,000	17	240,380	(32,687)
03/03/2023	2	LOW	Stage 3.1	-5	Condition 1	2,688,035	0	2,688,035	3,657,143	106	3,876,572	660,320	0	660,320	528,217	626,000	688,000	1,314,000	2,482,000	1,314,000	17	223,380	(304,837)
03/03/2023	3	LOW	Stage 3.2	-5	Condition 1	2,713,855	0	2,713,855	3,657,143	106	3,876,572	855,392	0	855,392	307,325	626,000	688,000	1,314,000	2,482,000	1,314,000	17	223,380	(83,945)
03/06/2023	2	LOW	Stage 3	-5	Condition 1	2,868,767	0	2,868,767	3,586,967	106	3,802,185	554,980	0	554,980	378,438	622,000	679,000	1,301,000	2,482,000	1,301,000	17	221,170	(157,268)
03/06/2023	3	LOW	Stage 3.1	-5	Condition 1	2,885,067	0	2,885,067	3,586,967	106	3,802,185	650,808	0	650,808	266,310	622,000	679,000	1,301,000	2,482,000	1,301,000	17	221,170	(45,140)
03/07/2023	2	LOW	Stage 3	-5	Condition 1	2,452,940	0	2,452,940	3,548,872	106	3,761,804	849,459	0	849,459	459,405	600,000	673,000	1,273,000	2,482,000	1,273,000	17	216,410	(242,995)
03/07/2023	3	LOW	Stage 3.2	-5	Condition 1	2,496,848	0	2,496,848	3,548,872	106	3,761,804	848,372	0	848,372	416,584	600,000	673,000	1,273,000	2,482,000	1,273,000	17	216,410	(200,174)
03/08/2023	2	LOW	Stage 3.1	-5	Condition 1	2,786,367	0	2,786,367	3,392,481	106	3,596,030	587,758	0	587,758	221,905	600,000	673,000	1,273,000	2,482,000	1,273,000	17	216,410	(5,495)
03/08/2023	3	LOW	Stage 3.1	-5	Condition 1	2,821,328	0	2,821,328	3,392,481	106	3,596,030	599,004	0	599,004	175,698	600,000	673,000	1,273,000	2,482,000	1,273,000	17	216,410	0
03/09/2023	2	LOW	Stage 3	-5	Condition 1	2,795,430	0	2,795,430	3,115,789	106	3,302,736	224,824	0	224,824	282,482	590,000	673,000	1,263,000	2,482,000	1,263,000	17	214,710	(67,772)
03/09/2023	3	LOW	Stage 3	-5	Condition 1	2,828,045	0	2,828,045	3,115,789	106	3,302,736	224,824	0	224,824	249,867	590,000	673,000	1,263,000	2,482,000	1,263,000	17	214,710	(85,157)
03/11/2023	2	LOW	Stage 2	-5	Condition 1	2,760,392	0	2,760,392	2,605,540	106	2,761,872	1,924	352,270	(350,346)	351,826	580,000	673,000	1,253,000	2,482,000	1,253,000	17	213,010	(138,816)
03/11/2023	3	LOW	Stage 2	-5	Condition 1	2,787,373	0	2,787,373	2,605,540	106	2,761,872	1,924	209,410	(207,486)	181,985	580,000	673,000	1,253,000	2,482,000	1,253,000	17	213,010	

Gas Day	Cycle	OFO Declared	OFO Stage	OFO Tolerance %	Aliso Canyon Withdrawal Protocol	Latest On-System Receipts	Latest Off-System Deliveries	Forecasted Receipts	Forecasted Send Out	% of Forecasted Send Out	Calculated Forecasted Send Out	Latest Withdrawals	Latest Injections	Forecasted Net Withdrawals (Injections)	Forecasted Total Daily Customer Imbalance	Non-Aliso Canyon Withdrawal Capacity	Aliso Canyon Withdrawal Capacity	Withdrawal Capacity	Maximum Withdrawal Capacity for Load Balancing	Withdrawal Capacity for Load Balancing	% for Load Balancing	Storage Withdrawal Limit For Balancing	Excess Storage Withdrawal For Balancing
05/09/2022	2	LOW	Stage 1	-5	Not Met	2,067,406	0	2,067,406	2,310,750	100	2,310,750	0	189,281	(189,281)	432,625	1,124,000	0	1,124,000	776,000	776,000	47	364,720	(67,905)
05/09/2022	3	LOW	Stage 1	-5	Not Met	2,075,758	0	2,075,758	2,310,750	100	2,310,750	0	189,281	(189,281)	424,273	1,124,000	0	1,124,000	776,000	776,000	47	364,720	(95,553)
06/06/2022	2	LOW	Stage 1	-5	Not Met	1,949,054	0	1,949,054	1,996,390	100	1,996,390	1,607	398,683	(397,076)	444,412	1,190,000	0	1,190,000	776,000	776,000	47	364,720	(79,692)
06/06/2022	3	LOW	Stage 1	-5	Not Met	2,095,168	0	2,095,168	2,000,401	100	2,000,401	9,881	1,943	7,938	0	1,190,000	0	1,190,000	776,000	776,000	47	364,720	0
06/10/2022	2	LOW	Stage 1	-5	Not Met	2,217,155	0	2,217,155	2,223,002	100	2,223,002	0	400,961	(400,961)	406,808	1,159,000	0	1,159,000	776,000	776,000	47	364,720	(42,088)
06/10/2022	3	LOW	Stage 1	-5	Not Met	2,235,857	0	2,235,857	2,268,000	100	2,268,000	11,274	6,428	4,846	27,297	1,159,000	0	1,159,000	776,000	776,000	47	364,720	0
11/01/2022	2	LOW	Stage 1	-5	Not Met	2,417,412	0	2,417,412	2,492,900	106	2,642,474	0	50,840	(50,840)	275,902	436,000	0	436,000	1,389,000	436,000	19	82,840	(193,062)
11/01/2022	3	LOW	Stage 1	-5	Not Met	2,623,300	0	2,623,300	2,544,300	106	2,696,958	0	6,283	(6,283)	79,941	436,000	0	436,000	1,389,000	436,000	19	82,840	0
11/03/2022	2	LOW	Stage 1	-5	Not Met	2,759,183	0	2,759,183	2,795,850	106	2,963,601	0	0	0	204,418	436,000	0	436,000	1,389,000	436,000	19	82,840	(121,578)
11/03/2022	3	LOW	Stage 1	-5	Not Met	2,740,057	0	2,740,057	2,806,110	106	2,974,477	353,160	0	353,160	0	436,000	0	436,000	1,389,000	436,000	19	82,840	0
11/04/2022	2	LOW	Stage 1	-5	Not Met	2,621,387	0	2,621,387	2,788,590	106	2,955,905	204,921	0	204,921	129,597	437,000	0	437,000	1,389,000	437,000	19	83,030	(46,567)
11/04/2022	3	LOW	Stage 1	-5	Not Met	2,688,457	0	2,688,457	2,788,590	106	2,955,905	275,921	0	275,921	0	437,000	0	437,000	1,389,000	437,000	19	83,030	0
11/05/2022	2	LOW	Stage 1	-5	Not Met	2,421,738	0	2,421,738	2,418,150	106	2,563,239	0	47,181	(47,181)	188,682	365,000	0	365,000	1,389,000	365,000	19	69,350	(119,332)
11/05/2022	3	LOW	Stage 1	-5	Not Met	2,446,810	0	2,446,810	2,418,150	106	2,563,239	7,000	47,740	(40,740)	157,169	365,000	0	365,000	1,389,000	365,000	19	69,350	(87,819)
11/06/2022	2	LOW	Stage 1	-5	Not Met	2,455,358	0	2,455,358	2,474,000	106	2,622,440	6,000	50,000	(44,000)	211,082	438,000	0	438,000	1,389,000	438,000	19	83,220	(127,862)
11/06/2022	3	LOW	Stage 1	-5	Not Met	2,477,817	0	2,477,817	2,474,000	106	2,622,440	6,000	54,648	(48,648)	193,271	438,000	0	438,000	1,389,000	438,000	19	83,220	(110,051)
11/07/2022	2	LOW	Stage 1	-5	Not Met	2,564,543	0	2,564,543	2,848,691	106	3,019,612	0	41,540	(41,540)	496,609	366,000	0	366,000	1,389,000	366,000	19	69,540	(427,069)
11/07/2022	3	LOW	Stage 1	-5	Condition 1	2,576,501	0	2,576,501	2,848,691	106	3,019,612	0	41,540	(41,540)	484,651	366,000	1,106,343	1,472,343	2,482,000	1,472,343	17	250,298	(234,353)
11/08/2022	2	LOW	Stage 1	-5	Not Met	2,664,173	0	2,664,173	2,983,000	106	3,161,980	223,081	0	223,081	274,726	439,000	0	439,000	1,389,000	439,000	19	83,410	(191,316)
11/08/2022	3	LOW	Stage 1	-5	Condition 1	2,704,065	0	2,704,065	2,983,000	106	3,161,980	233,081	0	233,081	224,834	439,000	1,106,000	1,545,000	2,482,000	1,545,000	17	262,650	0
11/09/2022	2	LOW	Stage 1	-5	Not Met	2,713,430	0	2,713,430	3,014,000	106	3,194,840	355,590	1,266	354,324	127,086	439,000	0	439,000	1,389,000	439,000	19	83,410	(43,676)
11/09/2022	3	LOW	Stage 1	-5	Condition 1	2,723,834	0	2,723,834	3,272,610	106	3,468,967	355,590	1,266	354,324	390,809	439,000	1,106,000	1,545,000	2,482,000	1,545,000	17	262,650	(128,159)
11/10/2022	2	LOW	Stage 1	-5	Not Met	2,771,459	0	2,771,459	3,313,970	106	3,512,808	355,590	0	355,590	385,759	439,000	0	439,000	1,389,000	439,000	19	83,410	(302,349)
11/10/2022	3	LOW	Stage 1	-5	Condition 1	2,788,189	0	2,788,189	3,272,610	106	3,468,967	355,590	0	355,590	325,188	439,000	1,106,000	1,545,000	2,482,000	1,545,000	17	262,650	(62,538)
11/14/2022	2	No OFO			Not Met	2,745,666	0	2,745,666	2,985,060	106	3,164,164	291,000	0	291,000	127,498	964,000	0	964,000	1,389,000	964,000	19	183,160	0
11/14/2022	3	LOW	Stage 1	-5	Not Met	2,719,195	0	2,719,195	3,028,920	106	3,210,655	291,000	0	291,000	200,460	964,000	0	964,000	1,389,000	964,000	19	183,160	(17,300)
11/15/2022	2	LOW	Stage 1	-5	Not Met	2,617,469	0	2,617,469	3,060,840	106	3,244,278	383,000	0	383,000	243,809	894,000	0	894,000	1,389,000	894,000	19	169,860	(73,949)
11/15/2022	3	LOW	Stage 1	-5	Not Met	2,613,043	0	2,613,043	3,049,000	106	3,231,940	395,000	0	395,000	223,897	894,000	0	894,000	1,389,000	894,000	19	169,860	(54,037)
11/21/2022	2	LOW	Stage 1	-5	Not Met	2,636,874	0	2,636,874	3,104,382	106	3,290,645	352,000	0	352,000	301,771	1,073,000	0	1,073,000	1,389,000	1,073,000	19	203,870	(97,901)
11/21/2022	3	LOW	Stage 1	-5	Not Met	2,654,963	0	2,654,963	3,137,280	106	3,325,517	352,000	0	352,000	318,554	1,073,000	0	1,073,000	1,389,000	1,073,000	19	203,870	(114,684)
11/22/2022	2	LOW	Stage 1	-5	Not Met	2,566,637	0	2,566,637	3,048,230	106	3,231,124	396,000	0	396,000	268,487	1,075,000	0	1,075,000	1,389,000	1,075,000	19	204,250	(64,237)
11/22/2022	3	LOW	Stage 1	-5	Not Met	2,633,499	0	2,633,499	3,048,230	106	3,231,124	404,000	0	404,000	193,625	1,075,000	0	1,075,000	1,389,000	1,075,000	19	204,250	0
11/29/2022	2	LOW	Stage 3	-5	Condition 1	2,352,642	0	2,352,642	3,376,116	106	3,578,683	843,210	0	843,210	382,831	1,041,000	1,129,000	2,170,000	2,482,000	2,170,000	17	368,900	(13,931)
11/29/2022	3	LOW	Stage 3	-5	Condition 1	2,360,256	0	2,360,256	3,376,116	106	3,578,683	843,210	0	843,210	382,831	1,041,000	1,129,000	2,170,000	2,482,000	2,170,000	17	368,900	0
12/05/2022	2	LOW	Stage 3	-5	Condition 1	2,392,658	0	2,392,658	3,253,000	106	3,448,180	678,105	0	678,105	377,417	916,000	1,087,000	2,003,000	2,482,000	2,003,000	17	340,510	(36,907)
12/05/2022	3	LOW	Stage 3	-5	Condition 1	2,428,647	0	2,428,647	3,253,000	106	3,448,180	748,105	0	748,105	271,428	916,000	1,087,000	2,003,000	2,482,000	2,003,000	17	340,510	0
12/09/2022	2	LOW	Stage 3.3	-5	Condition 1	2,505,057	0	2,505,057	3,500,451	106	3,710,478	763,830	0	763,830	441,591	943,000	1,047,000	1,990,000	2,482,000	1,990,000	17	338,300	(103,291)
12/09/2022	3	LOW	Stage 3.3	-5	Condition 1	2,546,523	0	2,546,523	3,500,451	106	3,710,478	1,037,062	0	1,037,062	126,893	943,000	1,047,000	1,990,000	2,482,000	1,990,000	17	338,300	0
12/13/2022	2	LOW	Stage 4	-5	Condition 1	2,666,900	0	2,666,900	4,003,810	106	4,244,039	1,107,217	0	1,107,217	469,922	966,000	1,017,000	1,983,000	2,482,000	1,983,000	17	337,110	(132,812)
12/13/2022	3	LOW	Stage 5	-5	Condition 1	2,701,118	0	2,701,118	4,003,810	106	4,244,039	1,196,403	0	1,196,403	346,518	966,000	1,017,000	1,983,000	2,482,000	1,983,000	17	337,110	(9,408)
12/14/2022	2	LOW	Stage 4	-5	Condition 1	2,453,136	0	2,453,136	3,900,531	106	4,134,563	1,321,785	0	1,321,785	359,642	966,000	958,000	1,924,000	2,482,000	1,924,000	17	327,080	(32,562)
12/14/2022	3	LOW	Stage 4	-5	Condition 1	2,524,629	0	2,524,629	3,900,531	106	4,134,563	1,399,333	0	1,399,333	210,601	966,000	958,000	1,924,000	2,482,000	1,924,000	17	327,080	0
12/15/2022	2	LOW	Stage 3.2	-5	Condition 1	2,567,066	0	2,567,066	3,917,000	106	4,152,020	920,421	0	920,421	664,533	971,000	945,000	1,916,000	2,482,000	1,916,000	17	325,720	(338,813)
12/15/2022	3	LOW	Stage 3.3	-5	Condition 1	2,650,578	0	2,650,578	3,982,000	106	4,220,920	949,572	0	949,572	620,770	948,000	945,000	1,893,000	2,482,000	1,893,000	17	321,810	(298,960)
12/16/2022	2	LOW	Stage 4	-5	Condition 1	2,452,865	0	2,452,865	3,779,204	106	4,005,956	926,183	0	926,183	626,908	916,000	942,000	1,858,000	2,482,000	1,858,000	17	315,860	(31,048)
12/16/2022	3	LOW	Stage 4	-5	Condition 1	2,513,826	0	2,513,826	3,628,000	106	3,845,680	926,183	0	926,183	405,671	916,000	942,000	1,858,000	2,482,000	1,858,000	17	315,860	(89,811)
12/19/2022	2	LOW	Stage 4	-5	Condition 1	2,681,658	0	2,681,658	3,891,507	106	4,124,997	800,883	0	800,883	642,456	907,000	923,000	1,830,000	2,482,000	1,830,000	17	311,100	(331,556)
12/19/2022	3	LOW	Stage 4	-5	Condition 1	2,764,																	

**HIGH OFO**

Gas Day	Cycle	OFO Declared	OFO Stage	OFO Tolerance %	Latest On-System Receipts	Latest Off-System Deliveries	Latest Net Receipts	Coefficient for Forecasted Receipts	Forecasted Receipts	Forecasted Send Out	Coefficient for Forecasted Send Out	Calculated Forecasted Send Out	Latest Injections	Latest Withdrawals	Coefficient for Forecasted Net Injections (Withdrawals)	Forecasted Net Injections (Withdrawals)	Forecasted Storage Injection For Balancing	Forecasted Injection Capacity	Maximum Injection Capacity for Load Balancing	Injection Capacity for Load Balancing	% for Load Balancing	Storage Injection Limit For Balancing	Excess Storage Injection For Balancing
08/13/2022	3	HIGH	Stage 3.1	5	2,602,275	0	2,602,275	0.97	2,524,207	2,327,000	0.98	2,280,460	132,954	5,346	0.27	34,494	209,293	238,000	817,000	238,000	44	104,720	(104,573)
08/14/2022	2	HIGH	Stage 3	4	2,580,029	0	2,580,029	0.97	2,502,628	2,372,000	0.98	2,324,560	132,721	5,346	0.27	34,391	143,677	238,000	817,000	238,000	44	104,720	(38,957)
08/14/2022	3	HIGH	Stage 3.1	4	2,598,211	0	2,598,211	0.97	2,520,265	2,372,000	0.98	2,324,560	132,875	5,346	0.27	34,433	161,272	238,000	817,000	238,000	44	104,720	(56,552)
08/15/2022	2	HIGH	Stage 3	4	2,625,946	0	2,625,946	0.97	2,547,168	2,460,500	0.98	2,411,290	8,424	4,471	0.27	1,067	134,811	238,000	817,000	238,000	44	104,720	(30,091)
08/19/2022	3	HIGH	Stage 3.1	4	2,629,200	0	2,629,200	0.97	2,550,324	2,408,700	0.98	2,360,526	130,665	4,471	0.27	34,072	155,726	238,000	817,000	238,000	44	104,720	(51,006)
08/21/2022	2	No OFO			2,329,135	0	2,329,135	0.97	2,259,261	2,177,000	0.98	2,133,460	132,396	2,000	0.27	35,207	90,594	237,000	817,000	237,000	44	104,280	0
08/21/2022	3	HIGH	Stage 3	5	2,352,833	0	2,352,833	0.97	2,282,248	2,177,000	0.98	2,133,460	132,475	2,000	0.27	35,228	113,560	237,000	817,000	237,000	44	104,280	(9,280)
08/24/2022	2	No OFO			2,689,848	0	2,689,848	0.97	2,609,153	2,557,000	0.98	2,505,860	132,136	4,105	0.27	34,568	68,725	212,000	817,000	212,000	44	93,280	0
08/24/2022	3	HIGH	Stage 3.1	4	2,692,920	0	2,692,920	0.97	2,612,132	2,505,025	0.98	2,454,925	118,384	4,105	0.27	30,855	126,352	212,000	817,000	212,000	44	93,280	(33,072)
08/26/2022	2	HIGH	Stage 3	2	2,587,889	0	2,587,889	0.97	2,510,252	2,324,533	0.98	2,278,042	69,344	2,500	0.27	18,048	214,162	124,000	817,000	124,000	44	54,560	(159,602)
08/26/2022	3	HIGH	Stage 3.1	2	2,602,727	0	2,602,727	0.97	2,524,645	2,324,533	0.98	2,278,042	69,358	2,500	0.27	18,052	228,551	124,000	817,000	124,000	44	54,560	(173,991)
08/27/2022	2	HIGH	Stage 3	3	2,262,689	0	2,262,689	0.97	2,194,808	2,062,000	0.98	2,020,760	69,340	1,500	0.27	18,317	155,731	124,000	817,000	124,000	44	54,560	(101,171)
08/27/2022	3	HIGH	Stage 3.1	3	2,297,219	0	2,297,219	0.97	2,228,302	2,072,000	0.98	2,030,560	69,349	1,500	0.27	18,319	179,423	124,000	817,000	124,000	44	54,560	(124,863)
08/28/2022	2	HIGH	Stage 3	3	2,276,723	0	2,276,723	0.97	2,208,421	2,142,000	0.98	2,099,160	69,339	1,500	0.27	18,317	90,944	124,000	817,000	124,000	44	54,560	(36,384)
08/28/2022	3	HIGH	Stage 3.1	3	2,297,698	0	2,297,698	0.97	2,228,767	2,142,000	0.98	2,099,160	69,350	1,500	0.27	18,320	111,287	124,000	817,000	124,000	44	54,560	(56,727)
09/10/2022	2	HIGH	Stage 3	4	2,525,965	0	2,525,965	0.97	2,450,186	2,316,517	0.98	2,270,187	103,951	0	0.27	28,067	151,932	187,000	817,000	187,000	44	82,280	(69,652)
09/10/2022	3	HIGH	Stage 3.1	3	2,546,356	0	2,546,356	0.97	2,469,965	2,361,000	0.98	2,313,780	104,551	0	0.27	28,229	127,956	187,000	817,000	187,000	44	82,280	(45,676)
09/11/2022	2	HIGH	Stage 3	4	2,564,596	0	2,564,596	0.97	2,487,658	2,288,463	0.98	2,242,694	104,508	0	0.27	28,217	216,747	186,000	817,000	186,000	44	81,840	(134,907)
09/11/2022	3	HIGH	Stage 3.1	4	2,595,374	0	2,595,374	0.97	2,517,513	2,314,740	0.98	2,268,445	103,994	0	0.27	28,078	220,990	186,000	817,000	186,000	44	81,840	(139,150)
09/15/2022	2	HIGH	Stage 3	13	2,716,850	0	2,716,850	0.97	2,635,345	2,181,253	0.98	2,137,628	362,098	0	0.27	97,766	399,951	649,000	817,000	649,000	44	285,560	(114,391)
09/15/2022	3	HIGH	Stage 3.1	14	2,717,420	0	2,717,420	0.97	2,635,897	2,078,000	0.98	2,036,440	362,454	0	0.27	97,863	501,594	649,000	817,000	649,000	44	285,560	(216,034)
09/16/2022	2	HIGH	Stage 3	14	2,598,796	0	2,598,796	0.97	2,520,832	2,026,000	0.98	1,985,480	362,033	0	0.27	97,749	437,603	649,000	817,000	649,000	44	285,560	(152,043)
09/16/2022	3	HIGH	Stage 3.1	14	2,615,047	0	2,615,047	0.97	2,536,596	2,026,000	0.98	1,985,480	362,722	0	0.27	97,935	453,181	649,000	817,000	649,000	44	285,560	(167,621)
09/17/2022	2	HIGH	Stage 3	15	2,350,265	0	2,350,265	0.97	2,279,757	1,852,613	0.98	1,815,561	49,838	0	0.27	13,456	450,740	649,000	817,000	649,000	44	285,560	(165,180)
09/17/2022	3	HIGH	Stage 3.1	15	2,358,297	0	2,358,297	0.97	2,287,548	1,852,613	0.98	1,815,561	46,890	0	0.27	12,660	459,327	649,000	817,000	649,000	44	285,560	(173,767)
09/18/2022	2	HIGH	Stage 3	15	2,350,035	0	2,350,035	0.97	2,279,534	1,922,150	0.98	1,883,707	9,222	0	0.27	2,490	393,337	649,000	817,000	649,000	44	285,560	(107,777)
09/18/2022	3	HIGH	Stage 3	15	2,359,991	0	2,359,991	0.97	2,289,191	1,925,755	0.98	1,887,240	15,544	0	0.27	4,197	397,754	649,000	817,000	649,000	44	285,560	(112,194)
09/20/2022	2	No OFO			2,292,246	0	2,292,246	0.97	2,223,479	2,221,000	0.98	2,176,580	21,531	0	0.27	5,813	41,086	124,000	817,000	124,000	44	54,560	0
09/20/2022	3	HIGH	Stage 3.1	3	2,328,407	0	2,328,407	0.97	2,258,555	2,180,000	0.98	2,136,400	21,531	0	0.27	5,813	116,342	125,000	817,000	125,000	44	55,000	(61,342)
09/21/2022	2	HIGH	Stage 3	3	2,283,611	0	2,283,611	0.97	2,215,103	2,130,154	0.98	2,087,551	22,336	0	0.27	6,031	121,521	124,000	817,000	124,000	44	54,560	(66,961)
09/21/2022	3	HIGH	Stage 3.1	3	2,292,901	0	2,292,901	0.97	2,224,114	2,130,154	0.98	2,087,551	22,336	0	0.27	6,031	130,532	124,000	817,000	124,000	44	54,560	(75,972)
09/22/2022	2	HIGH	Stage 3	2	2,445,432	0	2,445,432	0.97	2,372,069	2,285,457	0.98	2,239,748	56,336	0	0.27	15,211	117,110	124,000	817,000	124,000	44	54,560	(62,550)
09/22/2022	3	HIGH	Stage 3.1	2	2,456,165	0	2,456,165	0.97	2,382,480	2,285,457	0.98	2,239,748	56,336	0	0.27	15,211	127,521	124,000	817,000	124,000	44	54,560	(72,961)
09/23/2022	2	No OFO			2,437,458	0	2,437,458	0.97	2,364,334	2,345,574	0.98	2,298,663	66,869	0	0.27	18,055	47,616	124,000	817,000	124,000	44	54,560	0
09/23/2022	3	HIGH	Stage 3.1	2	2,467,484	0	2,467,484	0.97	2,393,459	2,345,574	0.98	2,298,663	66,869	0	0.27	18,055	76,741	124,000	817,000	124,000	44	54,560	(22,181)
09/24/2022	2	HIGH	Stage 3	2	2,343,108	0	2,343,108	0.97	2,272,815	2,231,351	0.98	2,186,724	66,869	0	0.27	18,055	68,036	124,000	817,000	124,000	44	54,560	(13,476)
09/24/2022	3	HIGH	Stage 3.1	2	2,352,514	0	2,352,514	0.97	2,281,939	2,231,351	0.98	2,186,724	66,869	0	0.27	18,055	77,160	124,000	817,000	124,000	44	54,560	(22,600)
09/27/2022	2	HIGH	Stage 3.1	2	2,701,061	0	2,701,061	0.97	2,620,029	2,620,950	0.98	2,568,531	6,052	16,204	0.27	(10,152)	61,650	124,000	817,000	124,000	44	54,560	(7,090)
09/27/2022	3	HIGH	Stage 3.2	2	2,788,980	0	2,788,980	0.97	2,705,311	2,620,950	0.98	2,568,531	66,869	16,204	0.27	13,680	123,100	124,000	817,000	124,000	44	54,560	(68,540)
09/30/2022	2	HIGH	Stage 3	3	2,538,421	0	2,538,421	0.97	2,462,268	2,359,175	0.98	2,311,992	78,629	0	0.27	21,230	129,046	145,000	817,000	145,000	44	63,800	(65,246)
09/30/2022	3	HIGH	Stage 3.1	3	2,552,028	0	2,552,028	0.97	2,475,467	2,314,740	0.98	2,268,445	78,629	0	0.27	21,230	185,792	145,000	817,000	145,000	44	63,800	(121,992)
10/01/2022	2	HIGH	Stage 3	4	2,266,653	0	2,266,653	0.97	2,198,653	1,984,358	0.98	1,944,671	96,786	0	0.27	26,132	227,850	187,000	817,000	187,000	44	82,280	(145,570)
10/01/2022	3	HIGH	Stage 3.1	4	2,314,667	0	2,314,667	0.97	2,245,227	1,984,358	0.98	1,944,671	96,788	0	0.27	26,133	274,423	187,000	817,000	187,000	44	82,280	(192,143)
10/02/2022	2	HIGH	Stage 3	4	2,326,024	0	2,326,024	0.97	2,256,243	2,026,050	0.98	1,985,529	97,754	0	0.27	26,394	244,320	187,000	817,000	187,000	44	82,280	(162,040)
10/02/2022	3	HIGH	Stage 3.1	4	2,327,217	0	2,327,217	0.97	2,257,400	2,026,050	0.98	1,985,529	97,754	0	0.27	26,394	245,477	187,000	817,000	187,000	44	82,280	(163,197)
10/06/2022	2	HIGH	Stage 3	3	2,445,447	0	2,445,447	0.97	2,372,084	2,307,230	0.98	2,261,085	7,652	0	0.27	2,066	108,933	144,000	817,000	144,000	44	63,360	(45,573)
10/06/2022	3	HIGH	Stage 3.1	3	2,453,573	0	2,453,573	0.97	2,379,966	2,263,045	0.98	2,217,784	12,255	0	0.27	3,309	158,873	144,000	817,000	144,000	44	63,360	(95,513)
10/07/2022																							

Gas Day	Cycle	OFO Declared	OFO Stage	OFO Tolerance %	Latest On-System Receipts	Latest Off-System Deliveries	Latest Net Receipts	Coefficient for Forecasted Receipts	Forecasted Receipts	Forecasted Send Out	Coefficient for Forecasted Send Out	Calculated Forecasted Send Out	Latest Injections	Latest Withdrawals	Coefficient for Forecasted Net Injections (Withdrawals)	Forecasted Net Injections (Withdrawals)	Forecasted Storage Injection For Balancing	Forecasted Injection Capacity	Maximum Injection Capacity for Load Balancing	Injection Capacity for Load Balancing	% for Load Balancing	Storage Injection Limit For Balancing	Excess Storage Injection For Balancing
04/03/2022	2	No OFO			2,365,492	0	2,365,492	0.97	2,294,527	2,220,675	0.98	2,176,262	41,389	0	0.27	11,175	107,090	597,000	817,000	597,000	44	262,680	0
04/03/2022	3	HIGH	Stage 3	4	2,374,183	0	2,374,183	0.97	2,302,958	2,220,675	0.98	2,176,262	41,389	0	0.27	11,175	115,521	188,000	817,000	188,000	44	82,720	(32,801)
04/06/2022	2	HIGH	Stage 2	3	2,400,633	0	2,400,633	0.97	2,328,614	2,197,300	0.98	2,153,354	105,239	0	0.27	28,415	146,845	163,000	817,000	163,000	44	71,720	(75,125)
04/06/2022	3	HIGH	Stage 3	3	2,413,365	0	2,413,365	0.97	2,340,964	2,248,400	0.98	2,203,432	91,252	0	0.27	24,638	112,894	163,000	817,000	163,000	44	71,720	(41,174)
04/08/2022	2	HIGH	Stage 2	3	2,360,614	0	2,360,614	0.97	2,289,796	2,146,200	0.98	2,103,276	91,162	0	0.27	24,614	161,906	163,000	817,000	163,000	44	71,720	(90,186)
04/08/2022	3	HIGH	Stage 3	3	2,368,769	0	2,368,769	0.97	2,297,706	2,095,100	0.98	2,053,198	91,178	0	0.27	24,618	219,890	163,000	817,000	163,000	44	71,720	(148,170)
04/16/2022	2	HIGH	Stage 3	8	2,540,376	0	2,540,376	0.97	2,464,165	2,194,000	0.98	2,150,120	211,680	0	0.27	57,154	256,891	379,000	817,000	379,000	44	166,760	(90,131)
04/16/2022	3	HIGH	Stage 3	8	2,544,516	0	2,544,516	0.97	2,468,181	2,194,000	0.98	2,150,120	212,240	0	0.27	57,305	260,756	379,000	817,000	379,000	44	166,760	(93,996)
04/17/2022	2	HIGH	Stage 3	7	2,550,072	0	2,550,072	0.97	2,473,570	2,132,758	0.98	2,090,103	189,280	0	0.27	51,106	332,361	338,000	817,000	338,000	44	148,720	(183,641)
04/17/2022	3	HIGH	Stage 3.1	7	2,550,114	0	2,550,114	0.97	2,473,611	2,154,600	0.98	2,111,508	189,280	0	0.27	51,106	310,997	338,000	817,000	338,000	44	148,720	(162,277)
04/21/2022	2	HIGH	Stage 3	6	2,684,892	0	2,684,892	0.97	2,604,345	2,450,617	0.98	2,401,605	155,090	0	0.27	41,874	160,866	318,000	817,000	318,000	44	139,920	(20,946)
04/21/2022	3	HIGH	Stage 3	6	2,709,061	0	2,709,061	0.97	2,627,789	2,521,050	0.98	2,470,629	177,951	0	0.27	48,047	109,113	318,000	817,000	318,000	44	139,920	0
04/22/2022	2	No OFO			2,587,332	0	2,587,332	0.97	2,509,712	2,386,765	0.98	2,339,030	178,080	0	0.27	48,082	122,600	319,000	817,000	319,000	44	140,360	0
04/22/2022	3	HIGH	Stage 3.1	6	2,666,719	0	2,666,719	0.97	2,586,717	2,417,695	0.98	2,369,341	178,640	0	0.27	48,233	169,143	319,000	817,000	319,000	44	140,360	(28,783)
04/23/2022	2	No OFO			2,360,957	0	2,360,957	0.97	2,290,128	2,146,796	0.98	2,103,860	178,641	0	0.27	48,233	138,035	319,000	817,000	319,000	44	140,360	0
04/23/2022	3	HIGH	Stage 3	7	2,398,082	0	2,398,082	0.97	2,326,140	2,144,791	0.98	2,101,895	178,641	0	0.27	48,233	176,012	319,000	817,000	319,000	44	140,360	(35,652)
04/28/2022	2	HIGH	Stage 2	5	2,525,476	0	2,525,476	0.97	2,449,712	2,217,989	0.98	2,173,629	155,046	0	0.27	41,862	234,221	277,000	817,000	277,000	44	121,880	(112,341)
04/28/2022	3	HIGH	Stage 3	5	2,532,929	0	2,532,929	0.97	2,456,941	2,217,989	0.98	2,173,629	155,103	0	0.27	41,878	241,434	277,000	817,000	277,000	44	121,880	(119,554)
04/30/2022	2	HIGH	Stage 2	6	2,385,509	0	2,385,509	0.97	2,313,944	2,025,469	0.98	1,984,960	154,950	0	0.27	41,837	287,147	277,000	817,000	277,000	44	121,880	(165,267)
04/30/2022	3	HIGH	Stage 3.1	6	2,389,962	0	2,389,962	0.97	2,318,263	2,025,469	0.98	1,984,960	154,976	0	0.27	41,844	289,159	277,000	817,000	277,000	44	121,880	(169,579)
05/01/2022	2	HIGH	Stage 3	6	2,235,253	0	2,235,253	0.97	2,168,195	1,988,000	0.98	1,948,240	155,120	0	0.27	41,882	178,073	277,000	817,000	277,000	44	121,880	(56,193)
05/01/2022	3	HIGH	Stage 3.1	6	2,242,736	0	2,242,736	0.97	2,175,454	1,988,000	0.98	1,948,240	155,120	0	0.27	41,882	185,332	277,000	817,000	277,000	44	121,880	(63,452)
05/14/2022	2	HIGH	Stage 3	9	2,290,592	0	2,290,592	0.97	2,221,874	1,951,000	0.98	1,911,980	235,746	0	0.27	63,651	246,243	395,000	817,000	395,000	44	173,800	(72,443)
05/14/2022	3	HIGH	Stage 3.1	9	2,299,489	0	2,299,489	0.97	2,230,504	2,003,000	0.98	1,962,940	221,188	0	0.27	59,721	207,843	395,000	817,000	395,000	44	173,800	(34,043)
05/15/2022	2	HIGH	Stage 3	9	2,302,887	0	2,302,887	0.97	2,233,800	2,004,600	0.98	1,964,508	221,187	0	0.27	59,720	209,572	395,000	817,000	395,000	44	173,800	(35,772)
05/15/2022	3	HIGH	Stage 3	9	2,312,025	0	2,312,025	0.97	2,242,664	2,030,300	0.98	1,989,694	221,188	0	0.27	59,721	193,249	395,000	817,000	395,000	44	173,800	(19,449)
05/20/2022	2	HIGH	Stage 3	8	2,250,352	0	2,250,352	0.97	2,182,841	1,994,320	0.98	1,954,434	221,201	0	0.27	59,724	168,683	354,000	817,000	354,000	44	155,760	(12,923)
05/20/2022	3	HIGH	Stage 3.1	8	2,262,398	0	2,262,398	0.97	2,194,526	1,994,320	0.98	1,954,434	198,240	0	0.27	53,525	186,567	354,000	817,000	354,000	44	155,760	(30,807)
05/27/2022	2	No OFO			2,308,173	0	2,308,173	0.97	2,238,928	2,021,220	0.98	1,980,796	249,759	0	0.27	67,435	190,697	446,000	817,000	446,000	44	196,240	0
05/27/2022	3	HIGH	Stage 3.1	10	2,372,568	0	2,372,568	0.97	2,301,391	2,021,220	0.98	1,980,796	249,760	0	0.27	67,435	253,160	446,000	817,000	446,000	44	196,240	(56,920)
05/30/2022	2	No OFO			2,278,312	0	2,278,312	0.97	2,209,963	1,825,930	0.98	1,789,411	436,240	0	0.27	117,785	302,767	754,000	817,000	754,000	44	331,760	0
05/30/2022	3	HIGH	Stage 3	15	2,285,472	0	2,285,472	0.97	2,216,908	1,793,750	0.98	1,757,875	422,240	0	0.27	114,005	345,028	754,000	817,000	754,000	44	331,760	(13,268)
06/05/2022	2	No OFO			2,247,670	0	2,247,670	0.97	2,180,240	1,814,420	0.98	1,778,132	397,215	0	0.27	107,248	294,860	714,000	817,000	714,000	44	314,160	0
06/05/2022	3	HIGH	Stage 3	15	2,288,192	0	2,288,192	0.97	2,219,546	1,818,911	0.98	1,782,533	398,332	0	0.27	107,550	329,463	714,000	817,000	714,000	44	314,160	(15,303)
06/11/2022	2	HIGH	Stage 3	15	2,560,805	0	2,560,805	0.97	2,483,981	2,084,000	0.98	2,042,320	400,400	0	0.27	108,108	333,553	690,000	817,000	690,000	44	303,600	(29,953)
06/11/2022	3	HIGH	Stage 3.1	15	2,585,238	0	2,585,238	0.97	2,507,681	2,032,000	0.98	1,991,360	386,400	0	0.27	104,328	411,993	690,000	817,000	690,000	44	303,600	(108,393)
06/12/2022	2	HIGH	Stage 3	15	2,587,502	0	2,587,502	0.97	2,509,877	2,012,400	0.98	1,972,152	385,308	0	0.27	104,033	433,692	691,000	817,000	691,000	44	304,040	(129,652)
06/12/2022	3	HIGH	Stage 3.1	15	2,585,281	0	2,585,281	0.97	2,507,723	2,017,447	0.98	1,977,098	386,395	0	0.27	104,327	426,298	691,000	817,000	691,000	44	304,040	(122,258)
06/13/2022	2	HIGH	Stage 3	14	2,563,768	0	2,563,768	0.97	2,486,855	2,093,850	0.98	2,051,973	366,438	0	0.27	98,938	335,944	656,000	817,000	656,000	44	288,640	(47,304)
06/13/2022	3	HIGH	Stage 3.1	14	2,577,455	0	2,577,455	0.97	2,500,131	2,054,475	0.98	2,013,386	366,864	0	0.27	99,053	387,692	657,000	817,000	657,000	44	289,080	(98,612)
06/14/2022	2	HIGH	Stage 3	14	2,495,893	0	2,495,893	0.97	2,421,016	2,047,528	0.98	2,006,577	365,323	0	0.27	98,637	315,802	657,000	817,000	657,000	44	289,080	(26,722)
06/14/2022	3	HIGH	Stage 3	14	2,513,084	0	2,513,084	0.97	2,437,691	2,047,528	0.98	2,006,577	366,259	0	0.27	98,890	332,224	672,000	817,000	672,000	44	295,680	(36,544)
06/16/2022	2	HIGH	Stage 3	10	2,403,629	0	2,403,629	0.97	2,331,520	2,064,000	0.98	2,022,720	266,138	0	0.27	71,857	326,943	475,000	817,000	475,000	44	209,600	(27,943)
06/16/2022	3	HIGH	Stage 3.1	9	2,402,552	0	2,402,552	0.97	2,330,475	2,012,400	0.98	1,972,152	263,328	0	0.27	71,639	286,684	433,000	817,000	433,000	44	190,520	(96,164)
06/17/2022	2	HIGH	Stage 3	5	2,154,162	0	2,154,162	0.97	2,089,537	1,863,000	0.98	1,825,740	118,105	0	0.27	31,888	231,909	211,000	817,000	211,000	44	92,840	(139,069)
06/17/2022	3	HIGH	Stage 3.1	5	2,159,970	0	2,159,970	0.97	2,095,171	1,863,000	0.98	1,825,769	117,836	0	0.27	31,816	237,586	211,000	817,000	211,000	44	92,840	(144,746)
06/18/2022	2	HIGH	Stage 3	5	2,119,017	0	2,119,017	0.97	2,055,446	1,728,600	0.98	1,694,028	118,700	0	0.27	32,049	329,369	212,000	817,000	212,000	44	93,280	(236,089)
06/18/2022	3	HIGH	Stage 3.1	4	2,123,34																		

Gas Day	Cycle	OFO Declared	OFO Stage	OFO Tolerance %	Latest On-System Receipts	Latest Off-System Deliveries	Latest Net Receipts	Coefficient for Forecasted Receipts	Forecasted Receipts	Forecasted Send Out	Coefficient for Forecasted Send Out	Calculated Forecasted Send Out	Latest Injections	Latest Withdrawals	Coefficient for Forecasted Net Injections (Withdrawals)	Forecasted Net Injections (Withdrawals)	Forecasted Storage Injection For Balancing	Forecasted Injection Capacity	Maximum Injection Capacity for Load Balancing	Injection Capacity for Load Balancing	% for Load Balancing	Storage Limit For Injection For Balancing	Excess Storage Injection For Balancing
10/30/2022	2	HIGH	Stage 3	2	2,316,642	0	2,316,642	0.97	2,247,143	2,052,000	0.98	2,010,960	54,320	0	0.27	14,666	221,517	97,000	817,000	97,000	44	42,680	(178,837)
10/30/2022	3	HIGH	Stage 3.1	2	2,318,147	0	2,318,147	0.97	2,248,603	2,052,000	0.98	2,010,960	54,320	0	0.27	14,666	222,977	97,000	817,000	97,000	44	42,680	(180,297)
11/02/2022	2	HIGH	Stage 3.1	4	2,771,730	0	2,771,730	0.97	2,688,578	2,570,000	0.98	2,518,600	0	0	0.27	0	169,978	164,000	517,000	164,000	69	113,160	(56,818)
11/02/2022	3	HIGH	Stage 3.2	5	2,854,770	0	2,854,770	0.97	2,769,127	2,513,700	0.98	2,463,426	50,000	0	0.27	13,500	292,201	164,000	517,000	164,000	69	113,160	(179,041)
11/03/2022	2	No OFO			2,759,183	0	2,759,183	0.97	2,676,408	2,795,850	0.98	2,739,933	0	0	0.27	0	0	179,000	517,000	179,000	69	123,510	0
11/03/2022	3	HIGH	Stage 3	4	2,740,057	0	2,740,057	0.97	2,657,855	2,806,110	0.98	2,749,988	0	353,160	0.27	(353,160)	261,027	179,000	517,000	179,000	69	123,510	(137,517)
11/04/2022	2	No OFO			2,621,387	0	2,621,387	0.97	2,542,745	2,788,590	0.98	2,732,818	0	204,921	0.27	(204,921)	14,848	180,000	517,000	180,000	69	124,200	0
11/04/2022	3	HIGH	Stage 3	4	2,688,457	0	2,688,457	0.97	2,607,803	2,788,590	0.98	2,732,818	0	275,921	0.27	(275,921)	150,906	180,000	517,000	180,000	69	124,200	(26,706)
11/12/2022	2	HIGH	Stage 3	5	2,753,580	0	2,753,580	0.97	2,670,973	2,582,325	0.98	2,530,679	0	225,000	0.27	(225,000)	365,294	181,000	517,000	181,000	69	124,890	(240,404)
11/12/2022	3	HIGH	Stage 3	5	2,707,194	0	2,707,194	0.97	2,625,978	2,582,325	0.98	2,530,679	13,148	0	0.27	3,550	91,749	181,000	517,000	181,000	69	124,890	0
11/13/2022	2	HIGH	Stage 2	4	2,729,113	0	2,729,113	0.97	2,647,240	2,726,361	0.98	2,671,834	13,307	217,000	0.27	(203,693)	179,099	170,000	517,000	170,000	69	117,300	(61,799)
11/13/2022	3	HIGH	Stage 2	4	2,682,026	0	2,682,026	0.97	2,601,565	2,770,920	0.98	2,715,502	13,307	217,000	0.27	(203,693)	89,756	170,000	517,000	170,000	69	117,300	0
11/16/2022	2	No OFO			2,685,262	0	2,685,262	0.97	2,604,704	2,902,730	0.98	2,844,675	0	322,000	0.27	(322,000)	82,029	170,000	517,000	170,000	69	117,300	0
11/16/2022	3	HIGH	Stage 2	4	2,736,139	0	2,736,139	0.97	2,654,055	2,902,730	0.98	2,844,675	0	322,000	0.27	(322,000)	131,380	170,000	517,000	170,000	69	117,300	(14,080)
11/19/2022	2	HIGH	Stage 2	4	2,551,286	0	2,551,286	0.97	2,474,747	2,698,740	0.98	2,644,765	0	353,000	0.27	(353,000)	182,982	170,000	517,000	170,000	69	117,300	(65,682)
11/19/2022	3	HIGH	Stage 2	4	2,592,454	0	2,592,454	0.97	2,514,680	2,698,740	0.98	2,644,765	5,000	353,000	0.27	(348,000)	217,915	170,000	517,000	170,000	69	117,300	(100,615)
11/24/2022	2	HIGH	Stage 3	6	2,616,708	0	2,616,708	0.97	2,538,207	2,586,985	0.98	2,535,245	10,074	173,000	0.27	(162,926)	165,888	222,000	517,000	222,000	69	153,180	(12,708)
11/24/2022	3	HIGH	Stage 3	6	2,615,208	0	2,615,208	0.97	2,536,752	2,586,985	0.98	2,535,245	15,074	173,000	0.27	(157,926)	159,433	222,000	517,000	222,000	69	153,180	(6,253)
11/25/2022	2	HIGH	Stage 3	6	2,606,246	0	2,606,246	0.97	2,528,059	2,582,500	0.98	2,530,850	10,075	258,414	0.27	(248,339)	245,548	222,000	517,000	222,000	69	153,180	(92,368)
11/25/2022	3	HIGH	Stage 3.1	6	2,643,506	0	2,643,506	0.97	2,564,201	2,582,500	0.98	2,530,850	10,075	258,414	0.27	(248,339)	281,690	222,000	517,000	222,000	69	153,180	(128,510)
11/26/2022	2	No OFO			2,656,135	0	2,656,135	0.97	2,576,451	2,721,348	0.98	2,666,921	10,074	244,917	0.27	(234,843)	144,373	222,000	517,000	222,000	69	153,180	0
11/26/2022	3	HIGH	Stage 3	6	2,624,676	0	2,624,676	0.97	2,545,936	2,636,700	0.98	2,583,966	10,074	244,917	0.27	(234,843)	196,813	222,000	517,000	222,000	69	153,180	(43,633)
11/27/2022	2	HIGH	Stage 3	6	2,660,657	0	2,660,657	0.97	2,580,837	2,729,760	0.98	2,675,165	11,352	327,710	0.27	(316,358)	222,030	222,000	517,000	222,000	69	153,180	(68,850)
11/27/2022	3	HIGH	Stage 3	5	2,669,055	0	2,669,055	0.97	2,588,983	2,797,200	0.98	2,741,256	12,352	327,710	0.27	(315,358)	163,085	222,000	517,000	222,000	69	153,180	(9,905)
11/28/2022	2	HIGH	Stage 3	5	2,679,542	0	2,679,542	0.97	2,599,156	3,064,274	0.98	3,002,989	77	559,371	0.27	(559,294)	155,461	222,000	517,000	222,000	69	153,180	(2,281)
11/28/2022	3	HIGH	Stage 3	5	2,671,570	0	2,671,570	0.97	2,591,423	3,064,274	0.98	3,002,989	77	559,371	0.27	(559,294)	147,728	222,000	517,000	222,000	69	153,180	0
11/30/2022	2	HIGH	Stage 3	5	2,491,548	0	2,491,548	0.97	2,416,802	3,393,162	0.98	3,325,299	0	1,120,000	0.27	(1,120,000)	211,503	263,000	517,000	263,000	69	181,470	(30,033)
11/30/2022	3	HIGH	Stage 3	5	2,568,228	0	2,568,228	0.97	2,491,181	3,393,162	0.98	3,325,299	0	1,140,000	0.27	(1,140,000)	305,882	263,000	517,000	263,000	69	181,470	(124,412)
12/30/2022	2	HIGH	Stage 3.3	13	2,570,654	0	2,570,654	0.97	2,493,534	2,720,000	0.98	2,665,600	16,967	640,703	0.27	(623,736)	451,670	759,000	517,000	517,000	69	356,730	(94,940)
12/30/2022	3	HIGH	Stage 4	10	2,625,242	0	2,625,242	0.97	2,546,485	2,788,000	0.98	2,732,240	116,967	640,703	0.27	(523,736)	337,981	759,000	517,000	517,000	69	356,730	0



**ATTACHMENT A**

**Advice No. 6162-G**

**Southern California Gas Company**

**ATTACHMENT 2**

**to**

**APPENDIX 1**

2023 Fourteenth Annual Report of  
System Reliability Issues  
released on April 26, 2023

**REQUESTS FOR ADDITIONAL SUPPLIES TO  
MEET THE MINIMUM FLOW REQUIREMENTS**



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 101,000 DTH

**Flow Date(s) Requested:** June 27, 2022

**Time of Request:** 08:00:00 pm June 26, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 101,000 DTH below the southern system minimum flowing supply requirement.





## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 52,000 DTH

**Flow Date(s) Requested:** July 19, 2022

**Time of Request:** 08:40 pm July 18, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 52,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 45,000 DTH

**Flow Date(s) Requested:** July 19, 2022

**Time of Request:** 12:00 pm July 19, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 45,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 72,000 DTH

**Flow Date(s) Requested:** July 20, 2022

**Time of Request:** 08:20 pm July 19, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 72,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 35,000 DTH

**Flow Date(s) Requested:** July 20, 2022

**Time of Request:** 04:45 pm July 20, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 35,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 100,000 DTH

**Flow Date(s) Requested:** July 21, 2022

**Time of Request:** 08:50 pm July 20, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 100,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 112,000 DTH

**Flow Date(s) Requested:** July 22, 2022

**Time of Request:** 08:15 pm July 21, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 112,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 72,000 DTH for each day

**Flow Date(s) Requested:** July 23, July 24, and July 25, 2022

**Time of Request:** 01:00 pm July 22, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 72,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 61,000 DTH

**Flow Date(s) Requested:** July 25, 2022

**Time of Request:** 07:40 pm July 24, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 61,000 DTH below the southern system minimum flowing supply requirement.





## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 26,000 DTH

**Flow Date(s) Requested:** July 26, 2022

**Time of Request:** 08:20 pm July 25, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 26,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 41,000 DTH

**Flow Date(s) Requested:** August 4, 2022

**Time of Request:** 7:50 pm August 3, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 41,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 26,000 DTH

**Flow Date(s) Requested:** August 4, 2022, Cycle 4

**Time of Request:** 12:03 pm August 4, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 26,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 96,000 DTH

**Flow Date(s) Requested:** August 5, 2022,

**Time of Request:** 8:16 pm August 4, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 96,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 65,000 DTH

**Flow Date(s) Requested:** August 6, 2022 & August 7, 2022

**Time of Request:** 01:30pm August 5, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 65,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 156,000 DTH

**Flow Date(s) Requested:** August 8, 2022

**Time of Request:** 08:00pm August 7, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 156,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 182,000 DTH

**Flow Date(s) Requested:** August 9, 2022

**Time of Request:** 07:45pm August 8, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 182,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 122,000 DTH

**Flow Date(s) Requested:** August 10, 2022

**Time of Request:** 07:45pm August 9, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 122,000 DTH below the southern system minimum flowing supply requirement.





## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 123,000 DTH

**Flow Date(s) Requested:** August 11, 2022

**Time of Request:** 07:45pm August 10, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 123,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 63,000 DTH

**Flow Date(s) Requested:** August 11, 2022

**Time of Request:** 011:55am August 11, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 63,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 72,000 DTH

**Flow Date(s) Requested:** August 11, 2022

**Time of Request:** 03:30pm August 11, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 72,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 109,000 DTH

**Flow Date(s) Requested:** August 12, 2022

**Time of Request:** 09:10pm August 11, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 109,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 43,000 DTH

**Flow Date(s) Requested:** August 12, 2022

**Time of Request:** 12:00pm August 12, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 43,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 52,000 DTH

**Flow Date(s) Requested:** August 13, 14, & 15, 2022

**Time of Request:** 01:30pm August 12, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 52,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 21,000 DTH

**Flow Date(s) Requested:** August 16, 2022

**Time of Request:** 08:00 pm August 15, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 21,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 128,000 DTH

**Flow Date(s) Requested:** August 17, 2022

**Time of Request:** 08:00 pm August 16, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 128,000 DTH below the southern system minimum flowing supply requirement.





## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 27,000 DTH

**Flow Date(s) Requested:** August 17, 2022

**Time of Request:** 11:55 am August 17, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 27,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 74,000 DTH

**Flow Date(s) Requested:** August 18, 2022

**Time of Request:** 07:30 pm August 17, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 74,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 74,000 DTH

**Flow Date(s) Requested:** August 30, 2022

**Time of Request:** 7:55 PM August 29, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 74,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 17,000 DTH

**Flow Date(s) Requested:** August 30, 2022

**Time of Request:** 11:30 AM August 30, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 17,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 124,000 DTH

**Flow Date(s) Requested:** August 31, 2022

**Time of Request:** 7:43 PM August 30, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 124,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 28,000 DTH

**Flow Date(s) Requested:** August 31, 2022

**Time of Request:** 11:25 AM August 31, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 28,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 74,000 DTH

**Flow Date(s) Requested:** September 1, 2022

**Time of Request:** 08:08 PM August 31, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 74,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 62,000 DTH

**Flow Date(s) Requested:** September 1, 2022

**Time of Request:** 11:50 AM September 1, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 62,000 DTH below the southern system minimum flowing supply requirement.





## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System (Otay Mesa)

**Quantity Requested:** 65,000 DTH

**Flow Date(s) Requested:** September 1, 2022

**Time of Request:** 04:30 PM September 1, 2022

**Reason for Request:** To maintain system integrity in the southern system.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 46,000 DTH

**Flow Date(s) Requested:** September 2, 2022

**Time of Request:** 08:10pm August 31, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 46,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 56,000 DTH

**Flow Date(s) Requested:** September 6, 2022

**Time of Request:** 11:30 AM September 6, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 56,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 51,000 DTH

**Flow Date(s) Requested:** September 7, 2022

**Time of Request:** 11:35 AM September 7, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 51,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 57,000 DTH

**Flow Date(s) Requested:** September 8, 2022

**Time of Request:** 07:45 pm September 7, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 57,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 47,000 DTH

**Flow Date(s) Requested:** September 8, 2022

**Time of Request:** 11:45 am September 8, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 47,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 35,000 DTH

**Flow Date(s) Requested:** December 2, 2022

**Time of Request:** 07:45pm December 1, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 35,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 59,000 DTH

**Flow Date(s) Requested:** December 8, 2022

**Time of Request:** 9:15 PM December 7, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 59,000 DTH below the southern system minimum flowing supply requirement.





## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 39,000 DTH

**Flow Date(s) Requested:** December 9, 2022

**Time of Request:** 8:15 PM December 8, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 39,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 38,000 DTH

**Flow Date(s) Requested:** December 12, 2022

**Time of Request:** 8:00 PM December 11, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 38,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 128,000 DTH

**Flow Date(s) Requested:** December 13, 2022

**Time of Request:** 8:00 PM December 12, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 128,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 138,000 DTH

**Flow Date(s) Requested:** December 14, 2022

**Time of Request:** 8:30 PM December 13, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 138,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 143,000 DTH

**Flow Date(s) Requested:** December 15, 2022

**Time of Request:** 8:30 PM December 14, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 143,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 78,000 DTH

**Flow Date(s) Requested:** December 16, 2022

**Time of Request:** 8:20 PM December 15, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 78,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 81,000 DTH

**Flow Date(s) Requested:** December 17, 2022

**Time of Request:** 1:50 PM December 16, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 81,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 86,000 DTH

**Flow Date(s) Requested:** December 18, 2022

**Time of Request:** 1:50 PM December 16, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 86,000 DTH below the southern system minimum flowing supply requirement.





## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 68,000 DTH

**Flow Date(s) Requested:** December 19, 2022

**Time of Request:** 7.56 PM December 18, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 68,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 88,000 DTH

**Flow Date(s) Requested:** December 20, 2022

**Time of Request:** 8:20 PM December 19, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 88,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 27,000 DTH

**Flow Date(s) Requested:** December 20, 2022

**Time of Request:** 11:40 AM December 20, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 27,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 66,000 DTH

**Flow Date(s) Requested:** December 21, 2022

**Time of Request:** 8:05 PM December 20, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 66,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 108,000 DTH

**Flow Date(s) Requested:** December 22, 2022

**Time of Request:** 9:00 PM December 21, 2022

**Reason for Request:** Southern System scheduled quantities are expected to be 108,000 DTH below the southern system minimum flowing supply requirement.



## **Southern System Reliability Request**

**Purpose:** SoCalGas' Gas Control Department is requesting that Transmission & Storage Strategy acquire gas supplies to ensure system reliability.

**Location:** Southern System

**Quantity Requested:** 41,000 DTH

**Flow Date(s) Requested:** February 14, 2023

**Time of Request:** 7:50 PM February 13, 2023

**Reason for Request:** Southern System scheduled quantities are expected to be 41,000 DTH below the southern system minimum flowing supply requirement.



**ATTACHMENT A**

**Advice No. 6162-G**

**Southern California Gas Company**

**ATTACHMENT 3**

**to**

**APPENDIX 1**

2023 Fourteenth Annual Report of  
System Reliability Issues  
released on April 26, 2023

**SYSTEM OPERATOR TRANSACTIONS TO  
MEET MINIMUM FLOW REQUIREMENTS**

**Southern System Minimum Flow Spot Purchase/Sale Summary  
Annual Report of System Reliability Issues**

	Total		June 2022		July 2022		August 2022		September 2022		December 2022		January 2023		February 2023	
	Dth	\$USD	Dth	\$USD	Dth	\$USD	Dth	\$USD	Dth	\$USD	Dth	\$USD	Dth	\$USD	Dth	\$USD
Bought	4,132,156	\$ 101,956,736	101,000	\$ 861,000	687,799	\$ 9,384,999	1,707,882	\$ 28,293,596	426,508	\$ 9,761,331	1,168,967	\$ 53,389,311	-	\$ -	40,000	\$ 266,500
In-kind Charge	9,034		273		1,340		3,330		832		3,156		-		103	
BTS		\$ 1,525,001		\$ 37,066		\$ 252,603		\$ 627,241		\$ 156,640		\$ 428,995		\$ -		\$ 22,456
Net Amount Flowed	4,124,123		100,727	\$ 898,066	686,459	\$ 9,637,602	1,704,552	\$ 28,920,837	425,676	\$ 9,917,972	1,165,811	\$ 53,818,306	-	\$ -	40,898	\$ 288,956
Sales	4,124,122		100,727	\$ 806,066	319,451	\$ 2,804,946	1,835,200	\$ 18,947,873	662,036	\$ 8,518,571	1,032,188	\$ 38,133,209	133,623	\$ 2,705,496	40,897	\$ 568,468
Net Cost		\$ 30,997,108		\$ 92,000		\$ 6,832,656		\$ 9,972,964		\$ 1,399,401		\$ 15,685,097		\$ (2,705,496)		\$ (279,512)
Cost/Dth		\$ 7.52		\$ 0.91		\$ 9.95		\$ 5.85		\$ 3.29		\$ 13.45		\$ -		\$ (6.83)







**Southern System Reliability Spot Purchases/Sales**

**Aug-22**

Notification Minimum Flow				PURCHASE									SALE						Net \$ \$Purchase minus \$Sale
Date notified	Flow Date	Cycle	Amt needed (Dths)	TC#	Delivery Point	Amt (Dth)	Inkind .195%	Net Amt flowed	Purchase Price \$/dth	Rule 41 Section	\$Amt	BTS Charge \$.36798	Flow Date	Cycle	TC#	Amt (Dth)	Sale Price \$/dth	Rule 41 Section	
8/3/2022	8/4/2022	3	41,000	3616	EHR	15,000	29	14,971	\$11.00	15	\$165,000.00	\$5,509.03	8/1/2022	1	3603	22,300	\$9.23	14a	\$205,717.50
				3617	EHR	10,000	20	9,980	\$11.15	15	\$111,500.00	\$3,672.44	8/1/2022	5	3605	10,000	\$9.20	14b	\$92,000.00
				3618	EHR	16,000	31	15,969	\$11.20	15	\$179,200.00	\$5,876.27	8/1/2022	5	3606	10,000	\$9.20	14b	\$92,000.00
8/4/2022	8/4/2022	4	26,000	3620	EHR	10,000	20	9,980	\$11.00	15	\$110,000.00	\$3,672.44	8/1/2022	5	3607	20,000	\$9.25	14b	\$185,000.00
				3621	EHR	16,000	31	15,969	\$11.00	15	\$176,000.00	\$5,876.27	8/2/2022	4	3608	22,200	\$9.25	14b	\$205,350.00
8/4/2022	8/5/2022	3	96,000	3622	EHR	5,000	10	4,990	\$10.75	14b	\$53,750.00	\$1,836.22	8/2/2022	4	3609	30,000	\$9.25	14b	\$277,500.00
				3623	EHR	25,000	48	24,952	\$11.00	14b	\$275,000.00	\$9,181.84	8/4/2022	1	3610	17,000	\$9.38	14a	\$159,460.00
				3624	EHR	13,600	27	13,573	\$11.00	14b	\$149,600.00	\$4,994.59	8/4/2022	1	3611	10,000	\$9.38	14a	\$93,800.00
				3625	EHR	20,000	39	19,961	\$11.00	14b	\$220,000.00	\$7,345.25	8/3/2022	4	3612	30,000	\$9.40	14b	\$282,000.00
				3626	EHR	20,000	39	19,961	\$11.20	14b	\$224,000.00	\$7,345.25	8/3/2022	4	3613	30,000	\$9.50	14b	\$285,000.00
				3627	EHR	12,400	24	12,376	\$11.50	14b	\$142,600.00	\$4,554.12	8/3/2022	4	3614	15,000	\$9.40	14b	\$141,000.00
8/5/2022	8/6/2022	2	65,000	3628	EHR	25,000	49	24,951	\$11.00	15	\$275,000.00	\$9,181.47	8/3/2022	4	3615	5,000	\$9.50	14b	\$47,500.00
				3629	EHR	15,000	29	14,971	\$11.00	15	\$165,000.00	\$5,509.03	8/5/2022	1	3619	55,500	\$9.90	14a	\$549,450.00
				3630	EHR	25,000	49	24,951	\$11.00	15	\$275,000.00	\$9,181.47	8/9/2022	1	3635	15,000	\$10.24	14a	\$153,600.00
8/5/2022	8/7/2022	1	65,000	3628	EHR	20,811	41	20,770	\$11.00	15	\$228,921.00	\$7,642.94	8/9/2022	1	3636	15,000	\$10.24	14a	\$153,600.00
				3629	EHR	12,487	24	12,463	\$11.00	15	\$137,357.00	\$4,586.13	8/9/2022	1	3637	20,000	\$10.21	14a	\$204,200.00
				3630	EHR	20,811	41	20,770	\$11.00	15	\$228,921.00	\$7,642.94	8/9/2022	1	3638	15,000	\$10.26	14a	\$153,900.00
8/7/2022	8/8/2022	3	156,000	3631	EHR	19,999	39	19,960	\$11.50	15	\$229,988.50	\$7,344.88	8/9/2022	1	3639	10,000	\$10.31	14a	\$103,100.00
				3632	EHR	5,000	10	4,990	\$12.50	15	\$62,500.00	\$1,836.22	8/10/2022	1	3646	40,000	\$11.06	14a	\$442,400.00
				3633	EHR	17,300	34	17,266	\$13.00	15	\$224,900.00	\$6,353.54	8/10/2022	1	3647	30,000	\$11.09	14a	\$332,700.00
				3634	EHR	113,700	221	113,479	\$16.00	15	\$1,819,200.00	\$41,758.00	8/11/2022	1	3648	20,000	\$10.21	14a	\$204,200.00
8/8/2022	8/9/2022	3	182,000	3640	EHR	7,275	14	7,261	\$12.50	15	\$90,937.50	\$2,671.90	8/12/2022	1	3649	20,000	\$11.66	14a	\$233,200.00
				3641	EHR	20,000	39	19,961	\$13.00	15	\$260,000.00	\$7,345.25	8/13-15/22	1	3650	60,000	\$10.84	14a	\$650,400.00
				3642	EHR	24,000	47	23,953	\$13.50	15	\$324,000.00	\$8,814.22	8/11/2022	1	3657	45,000	\$10.23	14a	\$460,350.00
				3643	EHR	91,244	178	91,066	\$16.00	15	\$1,459,904.00	\$33,510.47	8/11/2022	1	3658	10,000	\$10.25	14a	\$102,500.00
				3644	EHR	5,000	10	4,990	\$14.00	15	\$70,000.00	\$1,836.22	8/11/2022	1	3659	30,000	\$10.25	14a	\$307,500.00
				3645	Otay	26,756	52	26,704	\$26.00	15	\$695,656.00	\$9,826.54	8/11/2022	1	3660	75,000	\$10.31	14a	\$773,250.00
8/9/2022	8/10/2022	3	122,000	3651	EHR	491	1	490	\$11.50	14b	\$5,646.50	\$180.31	8/11/2022	3	3665	2,200	\$11.60	14b	\$25,520.00
				3652	EHR	20,000	39	19,961	\$13.00	15	\$260,000.00	\$7,345.25	8/11/2022	3	3666	12,800	\$11.60	14b	\$148,480.00
				3653	EHR	8,000	16	7,984	\$13.00	15	\$104,000.00	\$2,937.95	8/11/2022	3	3667	5,000	\$11.60	14b	\$58,000.00
				3654	EHR	15,000	29	14,971	\$13.25	15	\$198,750.00	\$5,509.03	8/13-15/22	1	3675	30,000	\$10.99	14a	\$329,700.00
				3655	EHR	10,365	20	10,345	\$14.00	15	\$145,110.00	\$3,806.75	8/13-15/21	1	3676	60,000	\$11.04	14a	\$662,400.00
				3656	EHR	53,635	105	53,530	\$16.00	15	\$858,160.00	\$19,697.97	8/16/2022	1	3677	20,000	\$12.46	14a	\$249,100.00
8/10/2022	8/11/2022	3	123,000	3661	EHR	31,657	62	31,595	\$14.00	15	\$443,198.00	\$11,626.33	8/17/2022	1	3677	20,000	\$12.14	14a	\$242,800.00
				3662	EHR	28,157	55	28,102	\$14.50	15	\$408,276.50	\$10,340.97	8/18/2022	1	3677	20,000	\$12.10	14a	\$241,900.00
				3663	EHR	15,000	29	14,971	\$15.00	15	\$225,000.00	\$5,509.03	8/19/2022	1	3677	20,000	\$10.79	14a	\$215,800.00
				3664	EHR	48,186	94	48,092	\$16.00	15	\$770,976.00	\$17,696.89	8/20-22/22	1	3677	60,000	\$8.73	14a	\$523,500.00
8/11/2022	8/11/2022	4	63,000	3668	EHR	0	0	0	\$14.00	15	\$0.00	\$0.00	8/23/2022	1	3677	20,000	\$10.07	14a	\$201,400.00
8/11/2022	8/11/2022	5	72,000	3669	EHR	11,000	21	10,979	\$20.00	15	\$220,000.00	\$4,040.05	8/24/2022	1	3677	20,000	\$10.16	14a	\$203,200.00
				3670	Otay	61,000	119	60,881	\$40.00	15	\$2,440,000.00	\$22,402.99	8/25/2022	1	3677	20,000	\$9.76	14a	\$195,100.00
8/11/2022	8/12/2022	3	109,000	3671	EHR	24,376	47	24,329	\$15.00	15	\$365,640.00	\$8,952.59	8/26/2022	1	3677	20,000	\$9.95	14a	\$199,000.00
				3672	EHR	13,250	26	13,224	\$15.00	15	\$198,750.00	\$4,866.17	8/27-29/22	1	3677	60,000	\$8.93	14a	\$535,800.00
				3673	EHR	35,000	68	34,932	\$15.00	15	\$525,000.00	\$12,854.28	8/30/2022	1	3677	20,000	\$10.98	14a	\$219,600.00
				3674	EHR	35,224	69	35,155	\$17.00	15	\$598,808.00	\$12,936.34	8/31/2022	1	3677	20,000	\$13.61	14a	\$272,100.00
8/12/2022	8/12/2022	4	43,000	3678	EHR	15,000	29	14,971	\$18.00	15	\$270,000.00	\$5,509.03	8/16/2022	1	3683	5,000	\$12.46	14a	\$62,275.00
				3679	EHR	9,500	19	9,481	\$20.50	15	\$194,750.00	\$3,488.82	8/17/2022	1	3684	15,000	\$12.14	14a	\$182,100.00

				3680	Otay	18,500	36	18,464	\$40.00	15	\$740,000.00	\$6,794.38	8/18/2022	1	3684	15,000	\$12.10	14a	\$181,425.00
8/12/2022	8/13/2022	2	52,000	3681	EHR	32,000	62	31,938	\$15.00	15	\$480,000.00	\$11,752.55	8/19/2022	1	3684	15,000	\$10.79	14a	\$161,850.00
				3682	EHR	20,000	39	19,961	\$15.00	15	\$300,000.00	\$7,345.25	8/20-22/22	1	3684	45,000	\$8.73	14a	\$392,625.00
8/12/2022	8/14/2022	1	52,000	3681	EHR	32,000	62	31,938	\$15.00	15	\$480,000.00	\$11,752.55	8/23/2022	1	3684	15,000	\$10.07	14a	\$151,050.00
				3682	EHR	20,000	39	19,961	\$15.00	15	\$300,000.00	\$7,345.25	8/24/2022	1	3684	15,000	\$10.16	14a	\$152,400.00
8/12/2022	8/15/2022	1	52,000	3681	EHR	32,000	62	31,938	\$15.00	15	\$480,000.00	\$11,752.55	8/25/2022	1	3684	15,000	\$9.76	14a	\$146,325.00
				3682	EHR	20,000	39	19,961	\$15.00	15	\$300,000.00	\$7,345.25	8/26/2022	1	3684	15,000	\$9.95	14a	\$149,250.00
8/15/2022	8/16/2022	3	21,000	3686	EHR	21,000	41	20,959	\$12.60	14b	\$264,600.00	\$7,712.49	8/27-29/22	1	3684	45,000	\$8.93	14a	\$401,850.00
8/16/2022	8/17/2022	3	128,000	3690	EHR	20,000	38	19,962	\$13.00	14b	\$260,000.00	\$7,345.62	8/30/2022	1	3684	15,000	\$10.98	14a	\$164,700.00
				3691	EHR	15,000	29	14,971	\$13.50	15	\$202,500.00	\$5,509.03	8/31/2022	1	3684	15,000	\$13.61	14a	\$204,075.00
				3692	EHR	20,000	39	19,961	\$14.50	15	\$290,000.00	\$7,345.25	8/17/2022	1	3685	15,000	\$12.14	14a	\$182,100.00
				3693	EHR	30,000	59	29,941	\$14.50	15	\$435,000.00	\$11,017.69	8/18/2022	1	3685	15,000	\$12.10	14a	\$181,425.00
				3694	Otay	43,000	84	42,916	\$35.00	15	\$1,505,000.00	\$15,792.23	8/19/2022	1	3685	15,000	\$10.79	14a	\$161,850.00
8/17/2022	8/17/2022	4	27,000	3695	EHR	10,000	20	9,980	\$14.50	15	\$145,000.00	\$3,672.44	8/20-22/22	1	3685	45,000	\$8.73	14a	\$392,625.00
				3696	EHR	7,010	14	6,996	\$17.00	15	\$119,170.00	\$2,574.39	8/23/2022	1	3685	15,000	\$10.07	14a	\$151,050.00
				3697	Otay	4,500	9	4,491	\$35.00	15	\$157,500.00	\$1,652.60	8/24/2022	1	3685	15,000	\$10.16	14a	\$152,400.00
8/17/2022	8/18/2022	3	74,000	3698	EHR	15,000	29	14,971	\$13.00	14b	\$195,000.00	\$5,509.03	8/25/2022	1	3685	15,000	\$9.76	14a	\$146,325.00
				3699	EHR	20,000	39	19,961	\$13.50	14b	\$270,000.00	\$7,345.25	8/26/2022	1	3685	15,000	\$9.95	14a	\$149,250.00
				3700	EHR	5,000	10	4,990	\$13.50	14b	\$67,500.00	\$1,836.22	8/27-29/22	1	3685	45,000	\$8.93	14a	\$401,850.00
				3701	EHR	34,000	66	33,934	\$13.90	15	\$472,600.00	\$12,487.03	8/30/2022	1	3685	15,000	\$10.98	14a	\$164,700.00
8/29/2022	8/30/2022	3	74,000	3706	EHR	31,700	60	31,640	\$14.50	15	\$459,650.00	\$11,642.89	8/31/2022	1	3685	15,000	\$13.61	14a	\$204,075.00
				3707	EHR	17,300	34	17,266	\$14.50	15	\$250,850.00	\$6,353.54	8/17/2022	1	3687	10,000	\$12.19	14a	\$121,900.00
				3708	EHR	25,000	49	24,951	\$15.00	15	\$375,000.00	\$9,181.47	8/17/2022	1	3688	5,800	\$12.19	14a	\$70,702.00
8/30/2022	8/30/2022	4	17,000	3714	EHR	8,981	18	8,963	\$14.50	15	\$130,224.50	\$3,298.20	8/17/2022	1	3689	14,200	\$12.14	14a	\$172,388.00
				3715	EHR	8,019	16	8,003	\$18.00	15	\$144,342.00	\$2,944.94	8/19/2022	1	3702	30,000	\$10.79	14a	\$323,700.00
8/30/2022	8/31/2022	3	124,000	3716	EHR	7,468	15	7,453	\$16.50	15	\$123,222.00	\$2,742.55	8/23/2022	4	3703	2,100	\$10.40	14a	\$21,840.00
				3717	EHR	21,244	41	21,203	\$17.00	15	\$361,148.00	\$7,802.28	8/23/2022	4	3704	6,100	\$10.40	14a	\$63,440.00
				3718	EHR	50,000	98	49,902	\$17.00	15	\$850,000.00	\$18,362.94	8/25/2022	1	3705	25,000	\$9.76	14a	\$243,875.00
				3719	EHR	15,000	29	14,971	\$18.00	15	\$270,000.00	\$5,509.03	8/26/2022	1	3705	25,000	\$9.95	14a	\$248,750.00
				3720	EHR	25,000	49	24,951	\$19.00	15	\$475,000.00	\$9,181.47	8/27-29/22	1	3705	75,000	\$8.93	14a	\$669,750.00
				3721	EHR	5,246	10	5,236	\$19.00	15	\$99,674.00	\$1,926.74	8/30/2022	1	3705	25,000	\$10.98	14a	\$274,500.00
8/31/2022	8/31/2022	4	28,000	3730	EHR	9,980	19	9,961	\$24.00	15	\$239,520.00	\$3,665.45	8/31/2022	1	3705	25,000	\$13.61	14a	\$340,125.00
				3731	EHR	9,000	18	8,982	\$25.00	15	\$225,000.00	\$3,305.20	8/31/2022	1	3709	2,100	\$13.75	14a	\$28,875.00
				3732	EHR	1,210	2	1,208	\$19.50	15	\$23,595.00	\$444.52	8/31/2022	1	3710	5,400	\$13.75	14a	\$74,250.00
				3733	EHR	3,500	7	3,493	\$25.00	15	\$87,500.00	\$1,285.35	8/31/2022	1	3711	7,500	\$13.75	14a	\$103,125.00
				3734	Otay	3,000	6	2,994	\$43.00	15	\$129,000.00	\$1,101.73	8/31/2022	1	3712	5,000	\$13.80	14a	\$69,000.00
													8/31/2022	1	3713	5,000	\$14.00	14a	\$70,000.00

<b>Total</b>	1,812,000	1,707,882	3,330	1,704,552	\$28,293,595.50	\$627,241.04	1,835,200	\$18,947,872.50	\$9,972,964.04
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**Southern System Reliability Spot Purchases/Sales**

Sep-22

Notification Minimum Flow				PURCHASE										SALE						Net \$ \$Purchase minus \$Sale		
Date notified	Flow Date	Cycle	Amt needed (Dths)	TC#	Delivery Point	Amt Purch (Dth)	Amt Sched (Dth)	inkind .195%	Net Amt flowed	Purchase Price \$/dth	Rule 41 Section	\$Amt	BTS Charge \$.36798	Flow Date	Cycle	TC#	Amt Sold (Dth)	Amt Sched (Dth)	Sale Price \$/dth		Rule 41 Section	\$Amt
8/31/2022	9/1/2022	3	74,000	3735	EHR	50,000	50,000	97	49,903	\$18.00	15	\$900,000.00	\$18,363.31	9/1/2022	1	3722	10,000	10,000	\$16.05	14a	\$160,450.00	
				3736	EHR	24,000	24,000	47	23,953	\$20.00	15	\$480,000.00	\$8,814.22	9/1/2022	1	3723	10,000	10,000	\$16.05	14a	\$160,450.00	
9/1/2022	9/1/2022	4	62,000	3758	EHR	25,000	23,221	45	23,176	\$16.00	14b	\$371,536.00	\$8,528.30	9/1/2022	1	3724	10,000	10,000	\$16.05	14a	\$160,450.00	
				3759	EHR	14,600	8,682	17	8,665	\$16.25	14b	\$141,082.50	\$3,188.55	9/1/2022	1	3725	10,000	10,000	\$16.06	14a	\$160,550.00	
				3760	EHR	22,400	17,223	34	17,189	\$17.50	14b	\$301,402.50	\$6,325.21	9/1/2022	1	3726	5,000	5,000	\$16.06	14a	\$80,275.00	
9/1/2022	9/1/2022	5	65,000	3761	Otay	65,000	65,000	127	64,873	\$43.00	16/17	\$2,795,000.00	\$23,871.97	9/1/2022	1	3727	15,000	15,000	\$16.06	14a	\$240,825.00	
8/31/2022	9/2/2022	1	46,000	3744	EHR	5,000	5,000	10	4,990	\$15.85	14a	\$79,250.00	\$1,836.22	9/1/2022	1	3728	15,000	15,000	\$16.09	14a	\$241,275.00	
				3745	EHR	1,000	1,000	2	998	\$15.80	14a	\$15,800.00	\$367.24	9/1/2022	1	3729	2,300	2,300	\$16.09	14a	\$36,995.50	
				3746	EHR	7,500	7,500	15	7,485	\$15.75	14a	\$118,125.00	\$2,754.33	9/2/2022	1	3737	7,300	7,300	\$15.90	14a	\$116,033.50	
				3747	EHR	800	800	2	798	\$15.80	14a	\$12,640.00	\$293.65	9/2/2022	1	3738	20,000	20,000	\$15.80	14a	\$315,900.00	
				3755	EHR	29,200	29,200	56	29,144	\$15.60	14a	\$455,520.00	\$10,724.41	9/2/2022	1	3739	25,000	25,000	\$15.80	14a	\$394,875.00	
				3756	EHR	2,500	2,500	5	2,495	\$15.84	14a	\$39,600.00	\$918.11	9/2/2022	1	3740	5,000	5,000	\$15.80	14a	\$78,975.00	
9/6/2022	9/6/2022	4	56,000	3764	EHR	30,000	30,000	58	29,942	\$14.50	14b	\$435,000.00	\$11,018.06	9/2/2022	1	3741	5,000	5,000	\$15.85	14a	\$79,250.00	
				3765	Otay	26,000	26,000	51	25,949	\$37.00	15	\$962,000.00	\$9,548.71	9/2/2022	1	3742	5,000	5,000	\$15.85	14a	\$79,250.00	
9/7/2022	9/7/2022	4	51,000	3767	EHR	26,000	26,000	50	25,950	\$16.00	15	\$416,000.00	\$9,549.08	9/2/2022	1	3743	5,000	5,000	\$15.85	14a	\$79,250.00	
				3768	EHR	8,125	4,892	10	4,882	\$16.20	15	\$79,250.40	\$1,796.48	9/2/2022	1	3748	5,000	5,000	\$15.85	14a	\$79,250.00	
				3769	Otay	16,875	16,875	33	16,842	\$38.00	15	\$641,250.00	\$6,197.52	9/2/2022	1	3749	5,200	5,200	\$15.50	14a	\$80,600.00	
9/7/2022	9/8/2022	3	57,000	3770	EHR	30,000	30,000	59	29,941	\$14.00	14b	\$420,000.00	\$11,017.69	9/2/2022	1	3750	5,000	5,000	\$15.50	14a	\$77,500.00	
				3771	EHR	27,000	27,000	53	26,947	\$14.95	15	\$403,650.00	\$9,915.96	9/2/2022	1	3751	2,500	2,500	\$15.50	14a	\$38,750.00	
9/8/2022	9/8/2022	4	47,000	3778	EHR	8,000	3,125	6	3,119	\$15.00	15	\$46,875.00	\$1,147.73	9/2/2022	1	3752	30,000	30,000	\$15.50	14a	\$465,000.00	
				3779	EHR	25,000	14,490	28	14,462	\$15.00	15	\$217,350.00	\$5,321.73	9/2/2022	1	3753	3,500	3,500	\$15.50	14a	\$54,250.00	
				3780	EHR	5,200	5,200	10	5,190	\$15.00	15	\$78,000.00	\$1,909.82	9/2/2022	1	3754	9,000	9,000	\$15.50	14a	\$139,500.00	
				3781	Otay	8,800	8,800	17	8,783	\$40.00	15	\$352,000.00	\$3,231.97	9/2/2022	1	3757	17,000	17,000	\$15.72	14a	\$267,155.00	
														9/3-6/22	1	3757	68,000	68,000	\$13.46	14a	\$915,280.00	
														9/7/2022	1	3757	17,000	17,000	\$13.48	14a	\$229,160.00	
														9/8/2022	1	3757	17,000	17,000	\$12.99	14a	\$220,830.00	
														9/9/2022	1	3757	17,000	17,000	\$12.07	14a	\$205,190.00	
														9/3-6/22	1	3762	80,000	80,000	\$13.46	14a	\$1,076,800.00	
														9/8/2022	1	3766	10,000	10,000	\$12.98	14a	\$129,800.00	
														9/9/2022	1	3772	10,000	9,998	\$12.09	14a	\$120,875.82	
														9/9/2022	1	3773	10,000	9,998	\$12.08	14a	\$120,775.84	
														9/9/2022	1	3774	10,000	9,999	\$12.08	14a	\$120,787.92	
														9/9/2022	1	3775	5,000	5,000	\$12.08	14a	\$60,400.00	
														9/9/2022	1	3776	15,000	15,000	\$12.08	14a	\$181,200.00	
														9/9/2022	1	3777	21,300	21,300	\$12.07	14a	\$257,091.00	
														9/10-12/202	1	3782	150,000	150,000	\$8.25	14a	\$1,236,750.00	
														9/9/2022	5	3792	4,941	4,941	\$11.50	14b	\$56,821.50	
<b>Total</b>			458,000			458,000	426,508	832	425,676			\$9,761,331.40	\$156,640.25				662,036				\$8,518,571.08	<b>\$1,399,400.57</b>











**ATTACHMENT A**

**Advice No. 6162-G**

**Southern California Gas Company**

**APPENDIX 2**

**POWERPOINT PRESENTATION FOR  
SOCALGAS' 2023 CUSTOMER FORUM  
ON MAY 10, 2023**


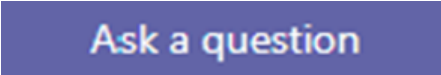
# 2023 CUSTOMER FORUM

May 10, 2023



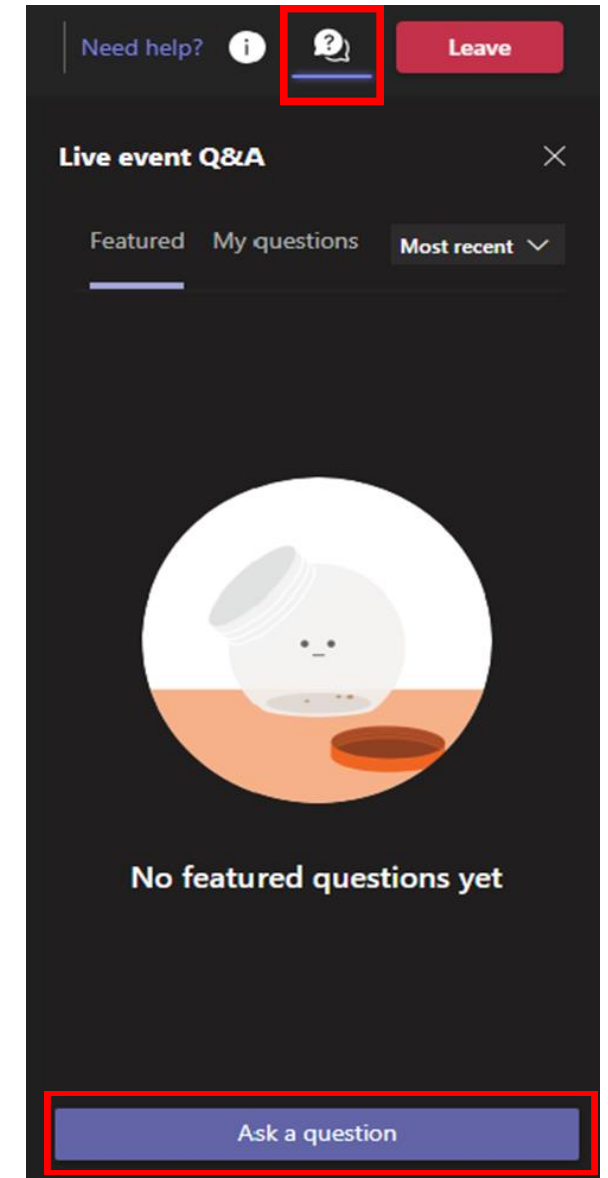
# Participation Instructions

## » Webinar Attendees

- During the duration of the presentation webinar attendees will be muted
- If you have a question, select the  icon
- Click on  and type it in
- We will go over questions at the end of each topic

## » In Person Attendees

- We will go over questions at the end of each topic



# Agenda

- Introductions
- Antitrust Disclaimer
- High OFO Review
- Low OFO Review
- Scheduled Quantity Adjustment Trading Review
- System Reliability Support Activity Results
- Forum Proposals
- Post Forum Report / Next Steps
- Envoy Updates
- Operational Updates
- Regulatory Updates

**Recording of this Customer  
Forum  
is prohibited**

# Antitrust Disclaimer

## AMERICAN GAS ASSOCIATION ANTITRUST COMPLIANCE GUIDELINES

### Introduction

The American Gas Association and its member companies are committed to full compliance with all laws and regulations, and to maintaining the highest ethical standards in the way we conduct our operations and activities. Our commitment includes strict compliance with federal and state antitrust laws, which are designed to protect this country's free competitive economy.

### Responsibility for Antitrust Compliance

Compliance with the antitrust laws is a serious business. Antitrust violations may result in heavy fines for corporations, and in fines and even imprisonment for individuals. While the General Counsel's Office provides guidance on antitrust matters, you bear the ultimate responsibility for assuring that your actions and the actions of any of those under your direction comply with the antitrust laws.

### Antitrust Guidelines

In all AGA operations and activities, you must avoid any discussions or conduct that might violate the antitrust laws or even raise an appearance of impropriety. The following guidelines will help you do that:

- **Do** consult counsel about any documents that touch on sensitive antitrust subjects such as pricing, market allocations, refusals to deal with any company, and the like.
- **Do** consult with counsel on any non-routine correspondence that requests an AGA member company to participate in projects or programs, submit data for such activities, or otherwise join other member companies in AGA actions.
- **Do** use an agenda and take accurate minutes at every meeting. Have counsel review the agenda and minutes before they are put into final form and circulated and request counsel to attend meetings where sensitive antitrust subjects may arise.
- **Do** provide these guidelines to all meeting participants.

- **Do not, without prior review by counsel,** have discussions with other member companies about:
  - ♦ your company's prices for products, assets or services, or prices charged by your competitors
  - ♦ costs, discounts, terms of sale, profit margins or anything else that might affect those prices
  - ♦ the resale prices your customers should charge for products or assets you sell them
  - ♦ allocating markets, customers, territories products or assets with your competitors
  - ♦ limiting production
  - ♦ whether or not to deal with any other company
  - ♦ any competitively sensitive information concerning your own company or a competitor's.
- **Do not** stay at a meeting, or any other gathering, if those kinds of discussions are taking place.
- **Do not** discuss any other sensitive antitrust subjects (such as price discrimination, reciprocal dealing, or exclusive dealing agreements) without first consulting counsel.
- **Do not** create any documents or other records that might be misinterpreted to suggest that AGA condones or is involved in anticompetitive behavior.

### We're Here to Help

Whenever you have any question about whether particular AGA activities might raise antitrust concerns, contact the General Counsel's Office, Ph: (202) 824-7072; E-mail: [GCO@aga.org](mailto:GCO@aga.org), or your legal counsel.

American Gas Association  
Office of General Counsel  
Issued: December 1997  
Revised: December 2008

# High OFO Review



# OFO Noncompliance Structure for Report Period

OFO Noncompliance Structure Effective Year-Round		
Stage	Daily Imbalance Tolerance	Noncompliance Charge (\$/Dth)
1	Up to +/- 25%	0.25
2	Up to +/- 20%	1.00
3	Up to +/- 15%	5.00
3.1	Up to +/- 15%	10.00
3.2	Up to +/- 15%	15.00
3.3	Up to +/- 15%	20.00
4	Up to +/- 10%	25.00
5	Up to +/- 5%	25.00 plus G-IMB daily balancing standby rate
EFO	Zero	50.00 plus G-IMB daily balancing standby rate

- » Decision (D.) 22-04-042 of the California Public Utilities Commission extended the SoCalGas Rule 30 Operational Flow Order Winter Noncompliance Charge Structure to year-round for SoCalGas and SDG&E
- » The Winter Noncompliance Charge structure was first adopted in D.19-05-030 and extended by D.21-11-021

# High Operational Flow Order (High OFO)

- » A High OFO is declared if, on a day prior to the Gas Day, in the sole judgment of Gas Control, the system forecast of storage injection used for balancing exceeds the injection capacity allocated to the balancing function

# Scheduled Quantities Used for OFOs

Cycle	Scheduled Quantity Used for OFO Calculations
Evening Cycle (Cycle 2)	Timely Cycle (Cycle 1)
Intraday 1 (Cycle 3)	Evening Cycle (Cycle 2)

- On High OFO days, SoCalGas will confirm nominations up to the total net system capacity during Intraday 1 (Cycle 3), Intraday 2 (Cycle 4), and Intraday 3 (Cycle 5)
- On non-OFO days, SoCalGas will confirm nominations up to the total net system capacity during Intraday 3 (Cycle 5)

# High OFO Comparison

## 2022 Forum Report

Cycle 2      88

Cycle 3      21

---

Total      109

## 2023 Forum Report

Cycle 2      75

Cycle 3      21

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Total      96

# High OFO Stage Comparison

High OFO Stages Declared <u>Last Report Period</u> (April 2021 – March 2022)	
Stage 1	0
Stage 2	5
Stage 3	50
Stage 3.1	51
Stage 3.2	3
Stage 3.3	0
Stage 4	0
Stage 5	0
<hr/>	
Total	109

High OFO Stages Declared <u>This Report Period</u> (April 2022 – March 2023)	
Stage 1	0
Stage 2	4
Stage 3	21
Stage 3.1	67
Stage 3.2	3
Stage 3.3	0
Stage 4	1
Stage 5	0
<hr/>	
Total	96

## Tolerance Percentages Declared

- » High OFO's during the April 2022 – March 2023 Report Period were declared with daily imbalance tolerances ranging from 1% to 15%

# Low OFO Review

## Low Operational Flow Order (Low OFO)

- » A Low OFO is declared if, on a day prior to the Gas Day, in the sole judgment of Gas Control, the system forecast of storage withdrawal used for balancing exceeds the withdrawal capacity allocated to the balancing function

# Low OFO Comparison

2022 Forum Report	
Cycle 2	29
Cycle 3	2
<hr/>	
Total	31

2023 Forum Report	
Cycle 2	62
Cycle 3	5
<hr/>	
Total	67

**Contributing factors include:**

- » Cold Winter temperatures and higher gas prices



# Low OFO Stage Comparison

Low OFO Stages Declared <u>This Report Period</u> (April 2021 – March 2022)	
Stage 1	19
Stage 2	6
Stage 3	5
Stage 3.1	1
Stage 3.2	0
Stage 3.3	0
Stage 4	0
Stage 5	0
<hr/>	
Total	31

Low OFO Stages Declared <u>This Report Period</u> (April 2022 – March 2023)	
Stage 1	20
Stage 2	1
Stage 3	8
Stage 3.1	19
Stage 3.2	8
Stage 3.3	5
Stage 4	5
Stage 5	1
<hr/>	
Total	67

## Tolerance Percentages Declared

- » Low OFO's during the April 2022 - March 2023 Report Period were declared with a daily imbalance tolerance of -5%

# Aliso Canyon Withdrawal Protocol (ACWP)

- » CPUC Authorized four conditions for making Aliso Canyon withdrawal capacity available:
  1. Preliminary Low OFO calculations result in a Stage 2 or higher Low OFO
  2. Aliso Canyon inventory is above 70% of its maximum authorized inventory during February or March
  3. Low inventory at Honor Rancho and/or La Goleta from November through March
  4. Emergency Conditions are encountered that can be mitigated by Aliso Canyon withdrawals

# ACWP

	ACWP Events	Low OFOs Declared
Condition Met (Total)	109	54
Condition 1 – Cycle 1	83	41
Condition 1 – Cycle 2	16	5
Condition 1 – Cycle 3	10	8

There were no ACWP events for Conditions 2, 3, and 4 during this Report Period.

## ACWP Impact on Low OFOs

- » The ACWP likely helped SoCalGas and SDG&E customers avoid Low OFOs on 55 out of the 109 days when Condition 1 was met.
- » There were 54 ACWP event days when a Low OFO was not avoided.
  - » For 7 of these events, a Low OFO had already been declared.
  - » For the remaining 47 events, customer imbalances were too high to be fully mitigated by the availability of Aliso Canyon's withdrawal capacity.

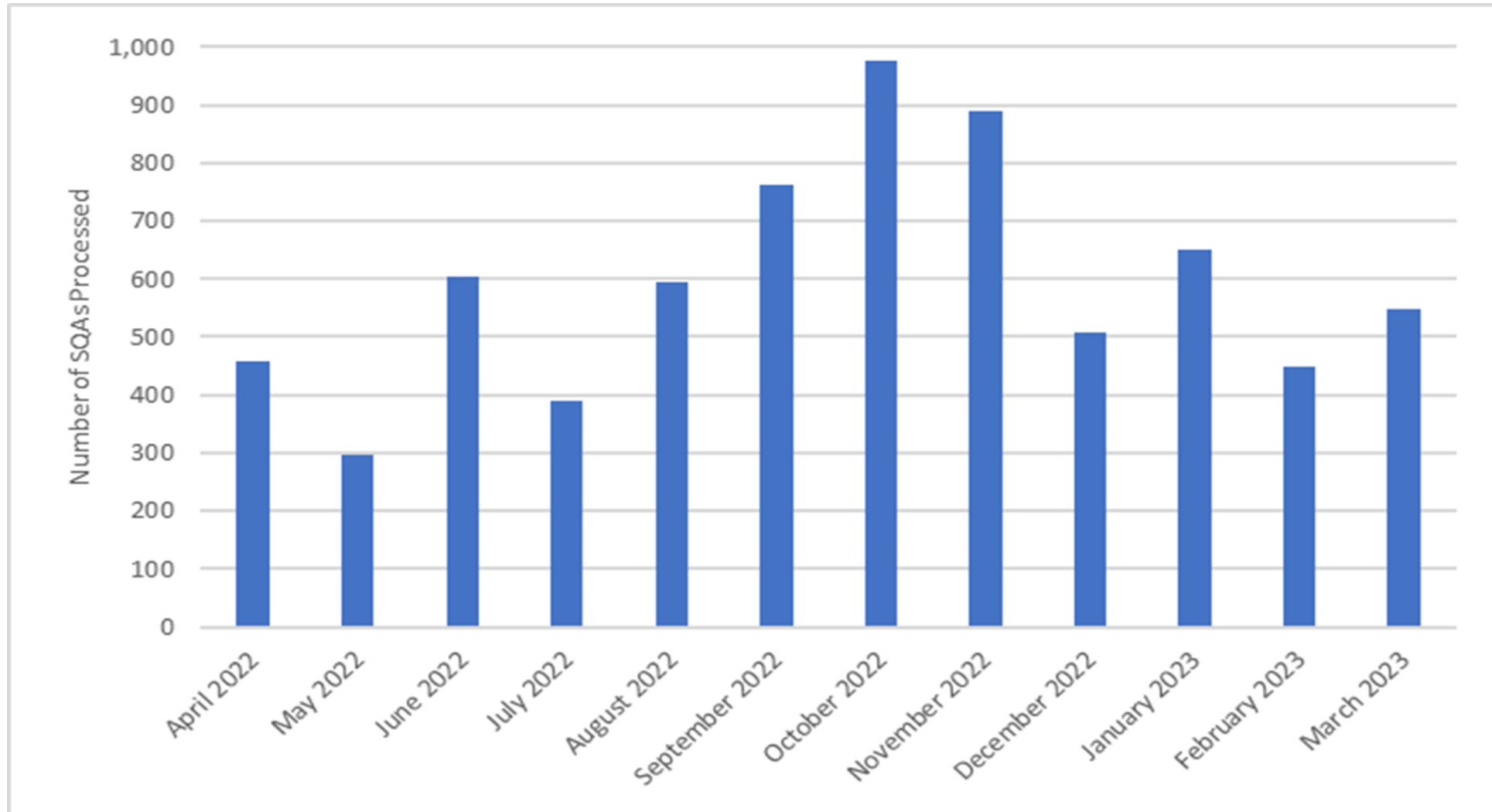
# Scheduled Quantity Adjustment Trading Review

# Scheduled Quantity Adjustments

- » Balancing Agents can trade scheduled quantities with other Balancing Agents for any gas day
- » California Producer pools can trade delivery quantities with other California Producer pools for any gas day
- » A scheduled quantity adjustment (SQA, or scheduled quantity trade) is not an imbalance trade. Imbalances are calculated at the end of the month by comparing billing quality meter usage to the final scheduled quantities for each day
- » SQAs for a given gas day must be submitted by both counterparties no later than 9 PM Pacific Time the next business day after the close of Cycle 6
- » Adjustments into or out of storage contracts are not allowed

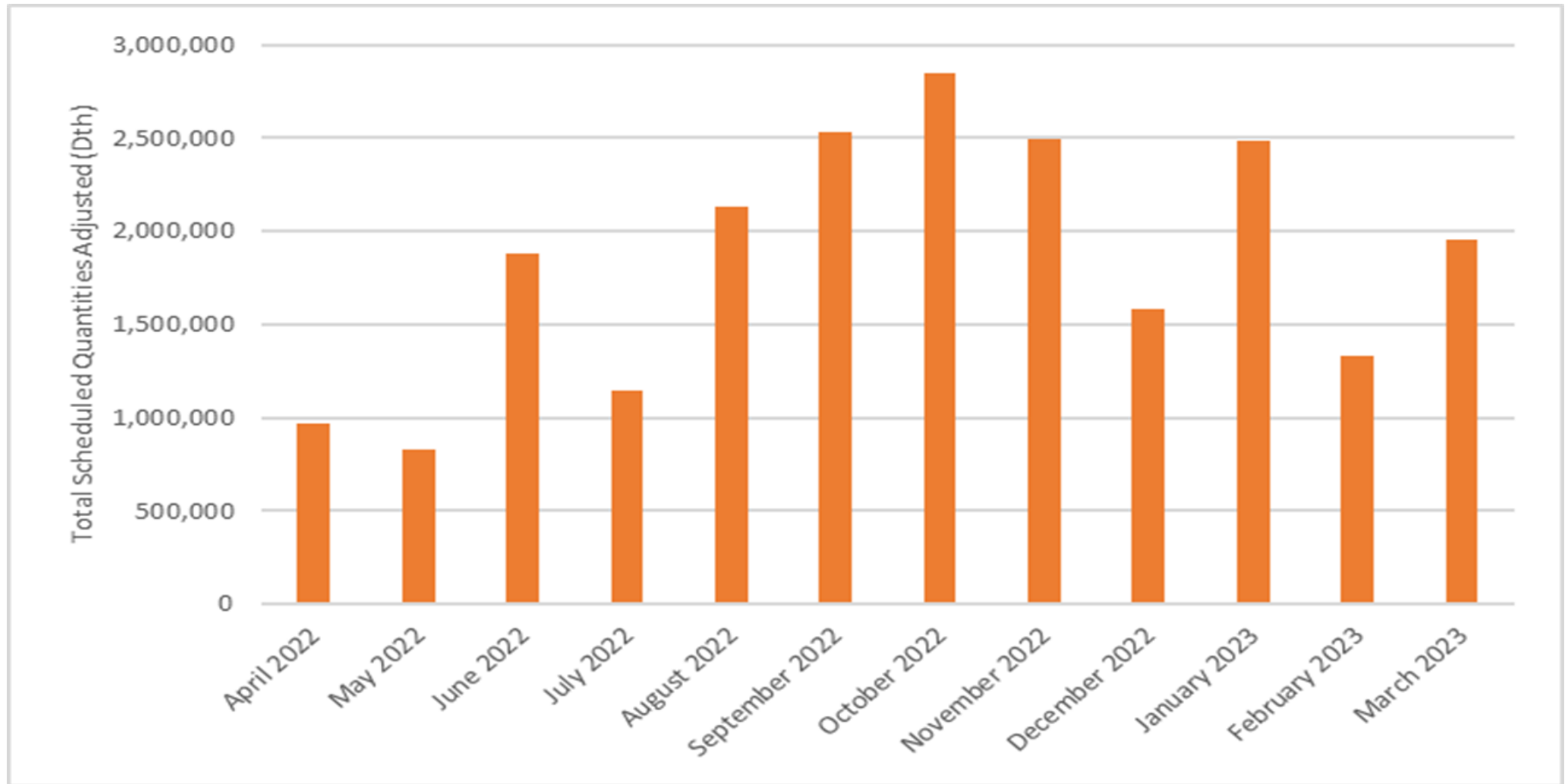
# Scheduled Quantity Adjustments

(Number of SQAs Processed)



# Scheduled Quantity Adjustments

(Total Scheduled Quantities Traded)



# System Reliability Support Activity Results



# System Reliability Tools

- » SoCalGas and SDG&E maintains Southern System reliability utilizing five (5) tools:
  1. Spot purchases and sales
  2. Seasonal baseload purchases and sales
  3. Discounted BTS contracts
  4. Memorandum in Lieu of Contract (MILC) between System Operator and Gas Acquisition
  5. Request for Proposals (RFPs) to seek additional tools

# Southern System Reliability (SSR) Purchases and Interruptible BTS Discounts

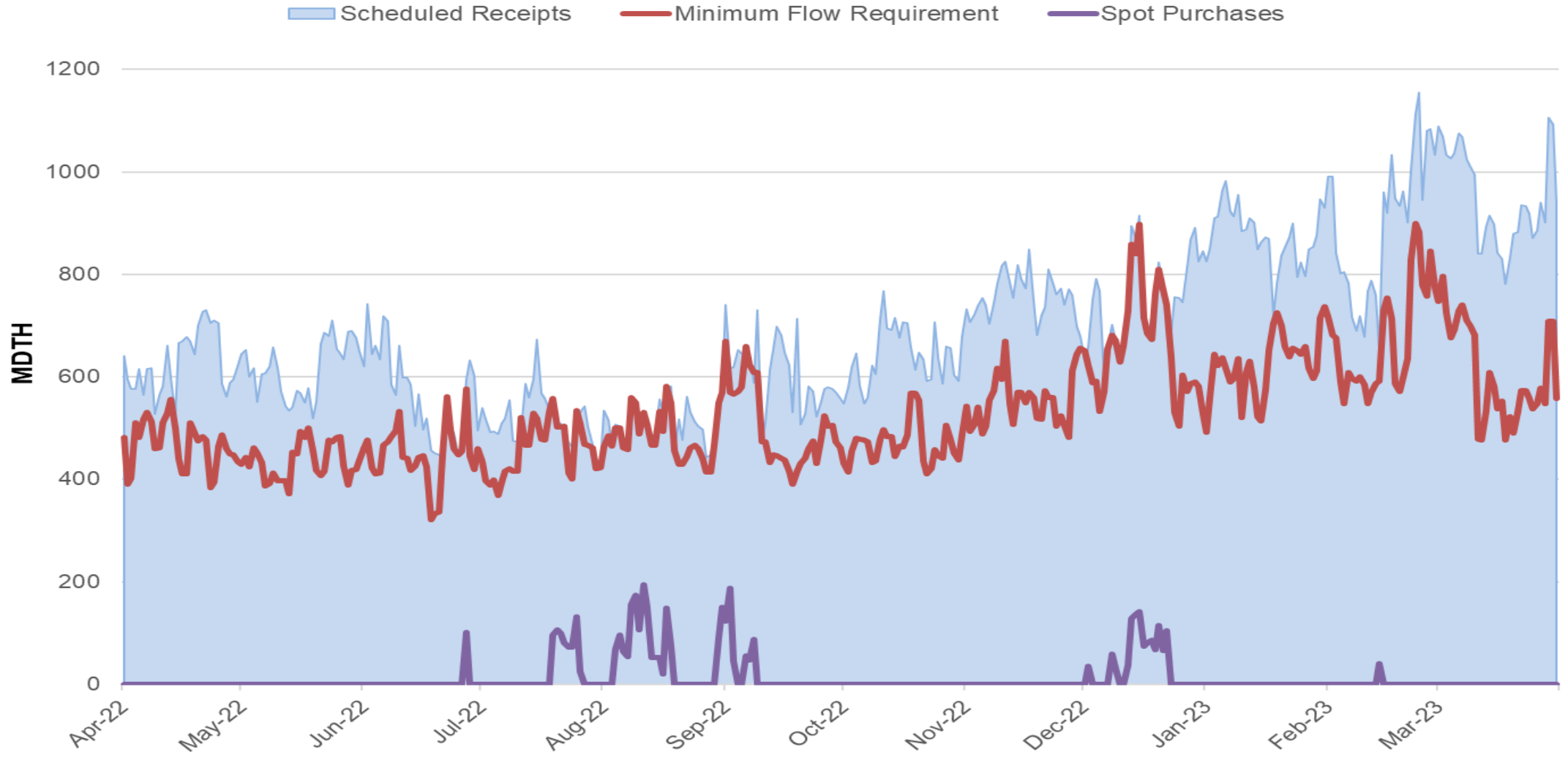
- » Extended maintenance outages on the El Paso Natural Gas (EPNG) system reduced customer deliveries to the SoCalGas Southern system
- » SoCalGas used spot transactions and the MILC to manage System Reliability during this period
- » SoCalGas purchased and sold approximately 4.1 MMDth to support SSR this Report Period
- » Persistent cold weather contributed to higher Southern System minimums
- » Gas costs in December 2022 were high across the Western US
  - » A Commission investigation (I.23-03-008) is underway to determine the reasons

# SSR Purchases and Interruptible BTS Discounts

	2016-2017	2017-2018	2018-2021	2021-2022	2022-2023
Purchases (MDth)	45,349	13,354	0	555	4,124
Net Cost (\$/Dth)	0.20	0.07	0	15.53	7.52
SRMA Cost (\$MM)	9.1	0.9	0	8.6	31
BTS Discounts (\$MM)	0.1	0	0	0	0
Total (\$MM)	9.2	0.9	0	8.6	31

- » Purchased Quantities were significantly higher (7.4x) this period
- » Net costs per Dth were approximately 50% lower
- » Total costs reached an all time high; previous high was \$23.4 million for 2013-14

# April 2022 - March 2023 Southern System Receipts



# Forum Proposals?

# Post-Forum Report / Next Steps

# Post-Forum Report / Next Steps

- » The Post-Forum Report will summarize the matters discussed here; identify action items, tariff changes, and procedural modifications that are agreed to be necessary; include descriptions of proposals presented by forum participants
- » Any proposals made that are rejected by SoCalGas will be included in the Post-Forum Report
- » A draft Post-Forum Report will be issued on Envoy to the forum participants for review by May 31, 2023 with a revised draft to be issued on Envoy by June 14, 2023.
- » The Post-Forum Report will be filed by July 9, 2023.

# Envoy Updates



# Envoy Enhancements

- » Security Enhancements
- » More responsive Web Design for Public Site.
- » Improved navigation for Desktop, Mobile, and Tablet Versions
- » Backbone Transmission Service (BTS) enhancement for renewable gas producers
- » Implementing July 1
- » A webinar will be scheduled to review the changes prior to implementation

# Envoy Security Enhancements

- » Effective July 1, Two-Factor Authentication (2FA) for access to Envoy will be available
- » It will not be required until a later yet to be determined date
- » 2FA is a security feature that requires a user to enter an Authentication Code in addition to a password upon login
- » Envoy users will have three 2FA methods to choose from: Authenticator App, Text, and Email

# BTS Enhancement

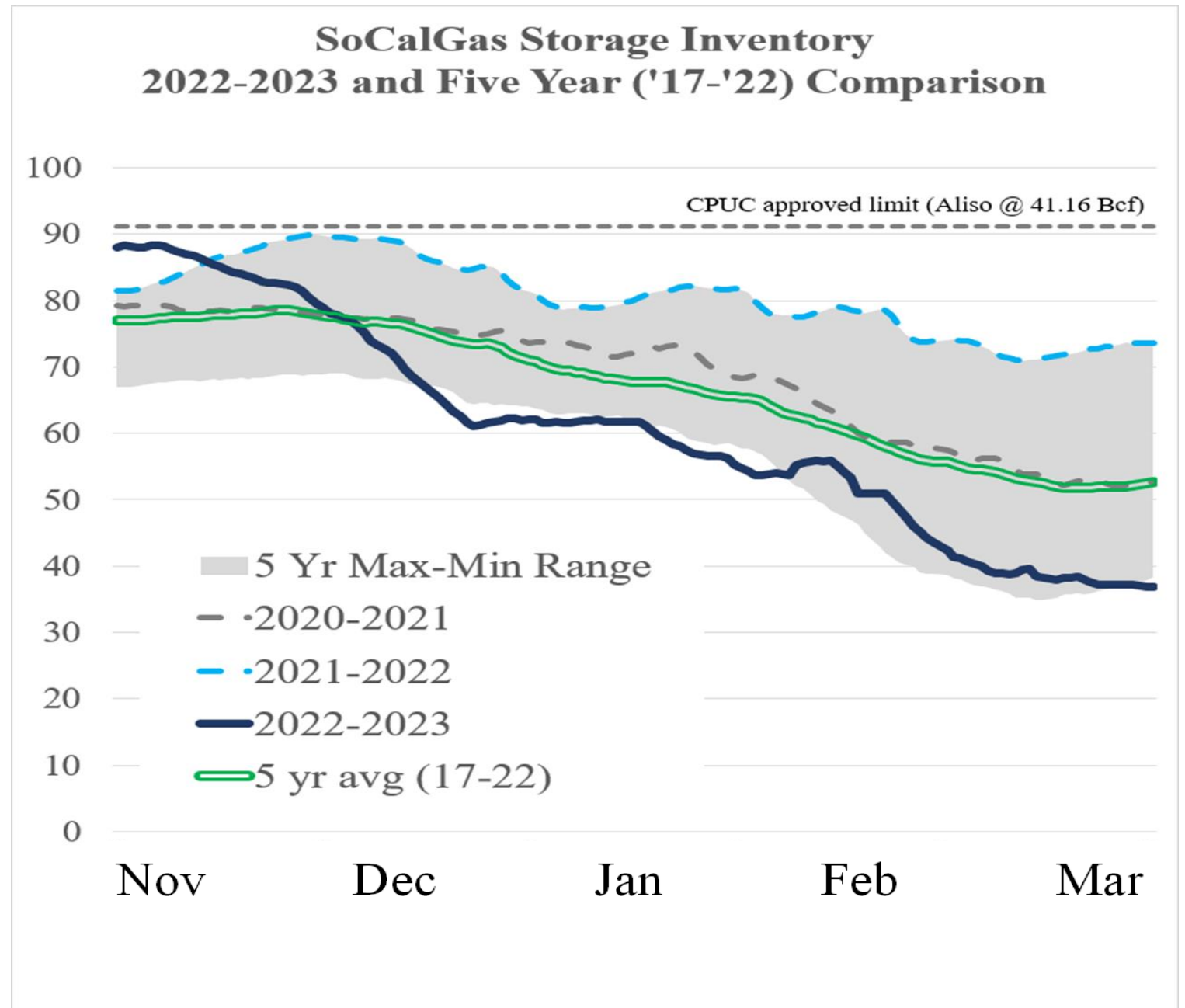
New California Producer (CP Receipt Points) are being added to each major Transmission Zone

- » CP – South Desert (Southern Zone)
- » CP – North Desert (Northern Zone)
- » CP – Wheeler Ridge (Wheeler Ridge Zone)

# Operational Updates

# System Update

- » Winter 2022-2023 season ending storage inventory was 37 billion cubic feet (BCF)
  - 37 BCF lower than Winter 2021-2022
- » Northern Zone capacity increased to 1,250 MMcfd in October 2021
- » CPUC authorized Aliso Canyon Storage Field inventory to increase to 41.16 BCF in November 2021
  - System-wide maximum inventory of 92 BCF



# Cold Winter 2022-2023

- » For SoCalGas this past winter was the coldest based on recorded heating degree days (HDDs) since Winter 1984-1985
  - An HDD is equal to the difference between 65°F and the daily mean temperature below 65°F
  - The total number of HDDs recorded was 1,436; which exceeds the forecast HDDs (1,233) for the 5-month period under a 1-in-35 Cold Condition for the SoCalGas system
- » For SDG&E it was the coldest winter over the past 50 years (1972-2023)
  - The total number of HDDs recorded was 1,495; which exceeds the forecast HDDs (1,141) for the 5-month period under a 1-in-35 Cold Condition for the SDG&E system

# Regulatory Updates / Other Items

# EPNG Line 2000 Outage

- » On August 15, 2021, EPNG Line 2000 ruptured near Coolidge, Arizona
- » The NTSB opened Investigation PLD21FR003 into the incident
- » EPNG Line 2000 system returned to service on February 15, 2023
- » On April 27, 2023, the NTSB issued its pipeline investigation report (NTSB/PIR-23-01) concerning the EPNG Line 2000 incident



# North Baja Xpress Project CPCN

- » On April 21, 2022, the Federal Energy Regulatory Commission (FERC) issued a CPCN to North Baja Pipeline Company to construct and operate the North Baja Xpress project.
- » The project will enable North Baja to provide 495,000 Dth/day of firm transportation service to Sempra LNG from the EPNG system at Ehrenberg for export to Mexico
- » The project is expected to be in service this year

# Gas Planning Rulemaking (R.20-01-007)

- » Two recent developments from the July 2022 Decision (D.22-07-002)
- » Pending operation of North Baja Xpress and ECA Liquefaction Project
  - Commission has sharpened concerns that the 5 tools available to SoCalGas to manage SSR will be sufficient to maintain reliability with the pending operation of these two projects
  - Staff may revisit the adequacy of these tools as these projects commence operations
- » Implementation of a Citation Program
  - SoCalGas and PG&E are required to maintain a minimum quantity of backbone transmission capacity subject to penalty if not resolved after 9 months
  - Minimum capacity for SoCalGas is based on the average demand in a forecast cold dry year (currently 2549 Mdth/day)

# SB380 Proceeding Update

- » On April 19 SoCalGas and SDG&E filed a Joint Petition for Modification (PFM) which proposes to modify Decision 21-11-008 issued in November 2021 which set the interim range of Aliso Canyon storage capacity at zero to 41.16 Bcf.
  - The PFM proposes that the Commission should take expedited action to increase the inventory at Aliso Canyon to 68.6 Bcf, a limit deemed safe by the California Geologic Management Division for the upcoming summer season and 2023-2024 winter season, in order to mitigate against similar price spikes in the future and impacts to customers, and to preserve reliability.
- » SoCalGas also submitted a letter recommending the Commission eliminate the Aliso Canyon Withdrawal Protocol (ACWP), which describes the criteria required before making a withdrawal from Aliso Canyon, to mitigate against potential price volatility.

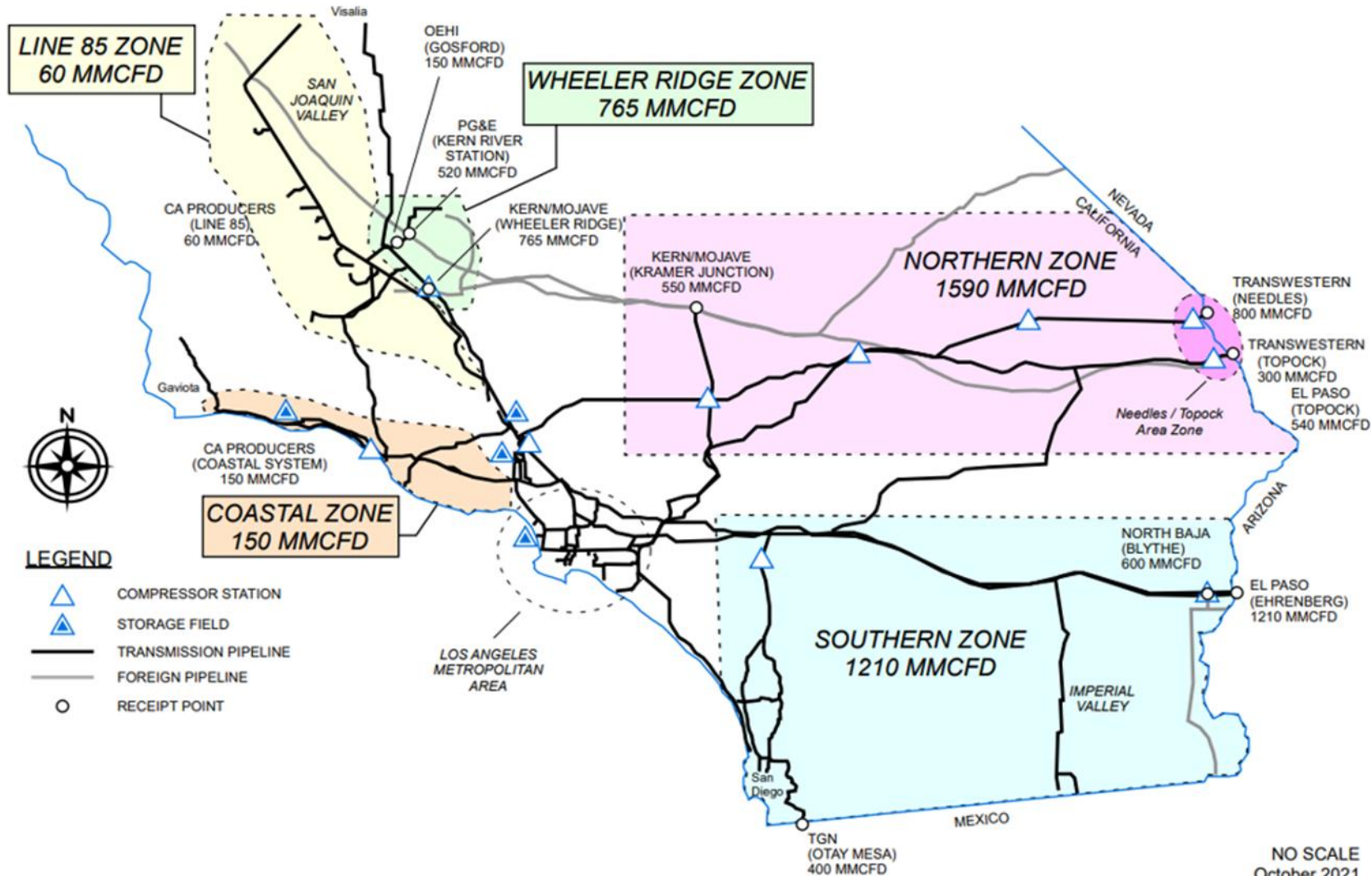
# 2024 Cost Allocation Proceeding (CAP) (A.22-09-015) - BTS Credit Mechanism

- » 2020 TCAP decision ordered SoCalGas and SDG&E to work with the BTS customers to finalize the specifics of a BTS reservation charge credit mechanism
- » AL 5680 proposing credit mechanism was filed on August 26, 2020
- » Proposal was protested; Resolution G-3581 was issued postponing consideration to pending cost allocation proceeding (CAP)
- » SoCalGas filed proposals for Commission consideration (Chapter 11 testimony)
- » Commission decision not expected before January 2024

# Questions?

# Appendices

# RECEIPT POINT & TRANSMISSION ZONE FIRM CAPACITIES



NO SCALE  
October 2021

# July 23, 2019, Aliso Canyon Withdrawal Protocol (ACWP)

- » On July 23, 2019, the Commission's Energy Division issued a revised ACWP replacing the November 2, 2017, version in its entirety. The revised ACWP authorizes SoCalGas to withdraw gas from Aliso Canyon only if any of the following conditions are met:
  1. Preliminary low Operational Flow Order (OFO) calculations for any cycle result in a Stage 2 low OFO or higher for the applicable gas day;
  2. Aliso Canyon is above 70% of its maximum allowable inventory between February 1 and March 31; in such case, SoCalGas may withdraw from Aliso Canyon until inventory declines to 70% of its maximum allowable inventory;
  3. The Honor Rancho and/or La Goleta fields decline to 110% of their month-end minimum inventory requirements during the winter season; and/or
  4. There is an imminent and identifiable risk of gas curtailments created by an emergency condition that would impact public health and safety or result in curtailments of electric load that could be mitigated by withdrawals from Aliso Canyon