

SOUTHERN CALIFORNIA GAS COMPANY
Monthly Aliso Canyon Withdrawal Report

Response Dated April 5, 2021

Report Period Gas Day March 1, 2021 through Gas Day March 31, 2021

PUBLIC VERSION

Purpose

On July 23, 2019 the Energy Division of the California Public Utilities Commission (CPUC) issued a new Aliso Canyon Withdrawal Protocol (Withdrawal Protocol), replacing the Withdrawal Protocol that was issued on November 2, 2017.¹ The Withdrawal Protocol specifies the conditions when Southern California Gas Company (SoCalGas) may execute a withdrawal operation from the Aliso Canyon storage field. In addition, the Withdrawal Protocol contains certain noticing and reporting requirements, including the following:

In a monthly report to be provided on the third business day after each month in which withdrawals from Aliso Canyon occurred, SoCalGas shall provide the CPUC's Energy Division both a confidential and public report with a full description of the events and conditions leading up to the Aliso Canyon withdrawal(s). The report shall include:

1. the total and hourly withdrawals from the field;
2. the pre- and post-withdrawal Aliso Canyon working gas inventory;
3. the inventory of the non-Aliso fields before and after the Aliso Canyon withdrawal(s);
4. the geographical and/or the time price spread used in determining the OFO stages for the day(s) of the withdrawal(s) and the two days immediately preceding and following;
5. weather conditions in the SoCalGas service territory for the day(s) of the withdrawal(s) and the day immediately preceding the initiation of withdrawal(s);
6. the hourly pipeline receipts for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s);
7. the hourly withdrawals by field from non-Aliso storage facilities for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s);
8. the hourly system sendout for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s);
9. demand response activations and Dial It Down Alerts; and
10. information concerning any anomalies experienced during the operation of the field.

Pursuant to the Withdrawal Protocol, SoCalGas provides the following monthly report with respect to the withdrawals from Aliso Canyon that occurred from Gas Day March 1, 2021 through Gas Day March 31, 2021.²

¹ The Aliso Canyon Withdrawal Protocol dated July 23, 2019 was revised on April 1, 2020 to add two additional reporting requirements including reporting requirement 8. These changes did not alter the conditions under which SoCalGas may withdraw gas from Aliso Canyon.

² The report would include the gas day starting on the first day of the month and include the gas day that ends on the first day of the subsequent month. A gas day is from 7am to 7am the following day.

Summary

The table below provides the Aliso Canyon approximate withdrawal start times, withdrawal end times, and withdrawal volumes during March 2021.

Gas Day	Withdrawal Start	Withdrawal End	Withdrawal Volume in Billion Cubic Feet (Bcf)
03/01/2021	03/01/2021 7:16 AM PCT	03/02/2021 3:09 AM PCT	0.287
03/03/2021	03/03/2021 1:02 PM PCT	(continued to next Gas Day)	0.336
03/04/2021	(continued from previous Gas Day)	03/04/2021 11:10 AM PCT	0.089
03/08/2021	03/09/2021 3:31 AM PCT	(continued to next Gas Day)	0.063
03/09/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.220
03/10/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.502
03/11/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.493
03/12/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.422
03/13/2021	(continued from previous Gas Day)	03/13/2021 1:07 PM PCT	0.061
03/15/2021	03/15/2021 9:40 AM PCT	(continued to next Gas Day)	0.438
03/16/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.335
03/17/2021	(continued from previous Gas Day)	(continued to next Gas Day)	0.191
03/18/2021	(continued from previous Gas Day)	03/18/2021 4:27 PM PCT	0.127
03/25/2021	03/25/2021 8:40 AM PCT	03/26/2021 6:50 AM PCT	0.219

1. Total and hourly withdrawals from the (Aliso Canyon) field

Total Withdrawal during Report Period:

Approximately 3,770 million cubic feet (MMcf)³

Hourly Withdrawal during Report Period:

Date/Time	Aliso Canyon Withdrawal (MMcf)
3/1/2021 8:00	
3/1/2021 9:00	
3/1/2021 10:00	
3/1/2021 11:00	
3/1/2021 12:00	
3/1/2021 13:00	
3/1/2021 14:00	
3/1/2021 15:00	
3/1/2021 16:00	
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3/1/2021 22:00	
3/1/2021 23:00	
3/2/2021 0:00	
3/2/2021 1:00	
3/2/2021 2:00	
3/2/2021 3:00	
3/2/2021 4:00	
3/3/2021 14:00	
3/3/2021 15:00	
3/3/2021 16:00	
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³ Some withdrawal was used for cleanup flow testing and performance flow testing during the March 2021 Report Period.

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2. Pre- and post-withdrawal Aliso Canyon working gas inventory⁴

The table below provides the approximate inventories of Aliso Canyon storage field, in billion cubic feet (Bcf), at the beginning and end of the withdrawal event(s).

Date-Time	Pre-Withdrawal Inventory (Bcf)	Date-Time	Post-Withdrawal Inventory (Bcf)
03/01/2021 7:00 AM	20.835	03/02/2021 7:00 AM	20.548
03/03/2021 7:00 AM	20.548	03/05/2021 7:00 AM	20.123
03/08/2021 7:00 AM	20.169	03/14/2021 7:00 AM	18.417
03/15/2021 7:00 AM	18.417	03/19/2021 7:00 AM	17.329
03/25/2021 7:00 AM	17.678	03/26/2021 7:00 AM	17.459

3. Inventory of the non-Aliso Canyon fields before and after the Aliso Canyon withdrawal(s)⁵

The table below provides the approximate inventories of the non-Aliso Canyon storage fields, in Bcf, at the beginning and end of the withdrawal event(s).

Pre-Withdrawal Inventory (Bcf)				Post-Withdrawal Inventory (Bcf)			
Date-Time	Honor Rancho	La Goleta	Playa Del Rey	Date-Time	Honor Rancho	La Goleta	Playa Del Rey
03/01/2021 7:00 AM				03/02/2021 7:00 AM			
03/03/2021 7:00 AM				03/05/2021 7:00 AM			
03/08/2021 7:00 AM				03/14/2021 7:00 AM			
03/15/2021 7:00 AM				03/19/2021 7:00 AM			
03/25/2021 7:00 AM				03/26/2021 7:00 AM			

⁴ Inventory volumes are based on Gas Control system data and are subject to adjustment based on SoCalGas' routine monthly reconciliation between real-time SCADA system data, and the measurement data recorded by our Measurement Data Operations (MDO) department.

⁵ Inventory volumes are based on Gas Control system data and are subject to adjustment based on SoCalGas' routine monthly reconciliation between real-time SCADA system data, and the measurement data recorded by our Measurement Data Operations (MDO) department.

4. Geographical and/or the time price spread used in determining the OFO stages for the day(s) of the withdrawal(s) and the two days immediately preceding and following

The table below provides the geographical and time price spreads, in dollars per Dth (\$/Dth), for the day(s) of the withdrawal(s) and the two days immediately preceding and following.

Gas Day	Geographical Spread	Time Spread (next month)	Time Spread (two months ahead)
02/27/2021			
02/28/2021			
03/01/2021			
03/02/2021			
03/03/2021			
03/04/2021			
03/05/2021			
03/06/2021			
03/07/2021			
03/08/2021			
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03/11/2021			
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03/14/2021			
03/15/2021			
03/16/2021			
03/17/2021			
03/18/2021			
03/19/2021			
03/20/2021			
03/23/2021			
03/24/2021			
03/25/2021			
03/26/2021			
03/27/2021			

5. Weather conditions in the SoCalGas service territory for the day(s) of the withdrawal(s) and the day immediately preceding the initiation of withdrawal(s)

Gas Day	Avg. Temp. (deg F)	Heating Degree Day (HDD)
02/28/2021	59	6
03/01/2021	59	6
03/02/2021	58	7
03/03/2021	54	11
03/04/2021	56	9
03/07/2021	58	7
03/08/2021	57	8
03/09/2021	54	11
03/10/2021	51	14
03/11/2021	50	15
03/12/2021	51	14
03/13/2021	54	11
03/14/2021	55	10
03/15/2021	51	14
03/16/2021	52	13
03/17/2021	56	9
03/18/2021	59	6
03/24/2021	62	3
03/25/2021	56	9

6. Hourly pipeline receipts (MMcf) for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s)



Confidential_Receipts(Mar2021).xlsx

7. Hourly withdrawals by field (MMcf) from non-Aliso Canyon storage facilities for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s)



Confidential_nonAlisoWithdrawal(Mar2021).xlsx

8. Hourly system sendout for the calendar day(s) on which a withdrawal was made and the day immediately preceding the initiation of withdrawal(s)



Confidential_Sendout(Mar2021).xlsx

9. Demand response activations and Dial It Down Alerts

SoCalGas did not declare any Smart Therm demand response events or issue any Dial-It-Down alerts in March 2021.

10. Information concerning any anomalies experienced during the operation of the field

On March 7, 2021 at approximately 9:45 PM, the surface safety valve on Standard Sesnon 44B was found to be closed. The well was temporarily taken out of service. The surface safety valve on the well is designed to automatically close and shut in the well when the sacrificial sand probe is triggered. The probe was inspected, and a crack was identified. No erosion was found on the probe. A new probe was installed, and the well was placed back into service at approximately 12:00 PM on March 8, 2021. While the well was out of service, the field's withdrawal capability was reduced by ■■■ MMscfd.