

**SOUTHERN CALIFORNIA GAS COMPANY**  
**Monthly Aliso Canyon Withdrawal Report**

**Response Dated**

February 5, 2020

**Report Period**

Gas Day January 1, 2020 through Gas Day January 31, 2020

**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. 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. demand response activations and Dial It Down Alerts; and
9. 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 January 1, 2020 through Gas Day January 31, 2020.<sup>1</sup>

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<sup>1</sup> 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 January 2020.

<b>Gas Day</b>	<b>Withdrawal Start</b>	<b>Withdrawal End</b>	<b>Withdrawal Volume in Billion Cubic Feet (Bcf)</b>
01/09/2020	01/09/2020 8:31 AM PCT	(continued to next Gas Day)	0.371
01/10/2020	(continued from previous Gas Day)	01/11/2020 5:54 AM PCT	0.351
01/12/2020	01/12/2020 9:24 AM PCT	(continued to next Gas Day)	0.237
01/13/2020	(continued from previous Gas Day)	(continued to next Gas Day)	0.380
01/14/2020	(continued from previous Gas Day)	(continued to next Gas Day)	0.477
01/15/2020	(continued from previous Gas Day)	(continued to next Gas Day)	0.508
01/16/2020	(continued from previous Gas Day)	(continued to next Gas Day)	0.568
01/17/2020	(continued from previous Gas Day)	01/18/2020 5:56 AM PCT	0.402
01/21/2020	01/21/2020 9:04 AM PCT	01/21/2020 1:41 PM PCT	0.037

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

Total Withdrawal during Report Period:  
Approximately 3,331 million cubic feet (MMcf)

Hourly Withdrawal during Report Period:

Date-Time	Aliso Canyon Withdrawal (MMcf)
1/9/2020 9:00	
1/9/2020 10:00	
1/9/2020 11:00	
1/9/2020 12:00	
1/9/2020 13:00	
1/9/2020 14:00	
1/9/2020 15:00	
1/9/2020 16:00	
1/9/2020 17:00	
1/9/2020 18:00	
1/9/2020 19:00	
1/9/2020 20:00	
1/9/2020 21:00	
1/9/2020 22:00	
1/9/2020 23:00	
1/10/2020 0:00	
1/10/2020 1:00	
1/10/2020 2:00	
1/10/2020 3:00	
1/10/2020 4:00	
1/10/2020 5:00	
1/10/2020 6:00	
1/10/2020 7:00	
1/10/2020 8:00	
1/10/2020 9:00	
1/10/2020 10:00	
1/10/2020 11:00	
1/10/2020 12:00	
1/10/2020 13:00	
1/10/2020 14:00	
1/10/2020 15:00	
1/10/2020 16:00	

<b>Date-Time</b>	<b>Aliso Canyon Withdrawal (MMcf)</b>
1/10/2020 17:00	
1/10/2020 18:00	
1/10/2020 19:00	
1/10/2020 20:00	
1/10/2020 21:00	
1/10/2020 22:00	
1/10/2020 23:00	
1/11/2020 0:00	
1/11/2020 1:00	
1/11/2020 2:00	
1/11/2020 3:00	
1/11/2020 4:00	
1/11/2020 5:00	
1/11/2020 6:00	
1/12/2020 10:00	
1/12/2020 11:00	
1/12/2020 12:00	
1/12/2020 13:00	
1/12/2020 14:00	
1/12/2020 15:00	
1/12/2020 16:00	
1/12/2020 17:00	
1/12/2020 18:00	
1/12/2020 19:00	
1/12/2020 20:00	
1/12/2020 21:00	
1/12/2020 22:00	
1/12/2020 23:00	
1/13/2020 0:00	
1/13/2020 1:00	
1/13/2020 2:00	
1/13/2020 3:00	
1/13/2020 4:00	
1/13/2020 5:00	
1/13/2020 6:00	
1/13/2020 7:00	
1/13/2020 8:00	

<b>Date-Time</b>	<b>Aliso Canyon Withdrawal (MMcf)</b>
1/13/2020 9:00	
1/13/2020 10:00	
1/13/2020 11:00	
1/13/2020 12:00	
1/13/2020 13:00	
1/13/2020 14:00	
1/13/2020 15:00	
1/13/2020 16:00	
1/13/2020 17:00	
1/13/2020 18:00	
1/13/2020 19:00	
1/13/2020 20:00	
1/13/2020 21:00	
1/13/2020 22:00	
1/13/2020 23:00	
1/14/2020 0:00	
1/14/2020 1:00	
1/14/2020 2:00	
1/14/2020 3:00	
1/14/2020 4:00	
1/14/2020 5:00	
1/14/2020 6:00	
1/14/2020 7:00	
1/14/2020 8:00	
1/14/2020 9:00	
1/14/2020 10:00	
1/14/2020 11:00	
1/14/2020 12:00	
1/14/2020 13:00	
1/14/2020 14:00	
1/14/2020 15:00	
1/14/2020 16:00	
1/14/2020 17:00	
1/14/2020 18:00	
1/14/2020 19:00	
1/14/2020 20:00	
1/14/2020 21:00	
1/14/2020 22:00	

<b>Date-Time</b>	<b>Aliso Canyon Withdrawal (MMcf)</b>
1/14/2020 23:00	
1/15/2020 0:00	
1/15/2020 1:00	
1/15/2020 2:00	
1/15/2020 3:00	
1/15/2020 4:00	
1/15/2020 5:00	
1/15/2020 6:00	
1/15/2020 7:00	
1/15/2020 8:00	
1/15/2020 9:00	
1/15/2020 10:00	
1/15/2020 11:00	
1/15/2020 12:00	
1/15/2020 13:00	
1/15/2020 14:00	
1/15/2020 15:00	
1/15/2020 16:00	
1/15/2020 17:00	
1/15/2020 18:00	
1/15/2020 19:00	
1/15/2020 20:00	
1/15/2020 21:00	
1/15/2020 22:00	
1/15/2020 23:00	
1/16/2020 0:00	
1/16/2020 1:00	
1/16/2020 2:00	
1/16/2020 3:00	
1/16/2020 4:00	
1/16/2020 5:00	
1/16/2020 6:00	
1/16/2020 7:00	
1/16/2020 8:00	
1/16/2020 9:00	
1/16/2020 10:00	
1/16/2020 11:00	
1/16/2020 12:00	

<b>Date-Time</b>	<b>Aliso Canyon Withdrawal (MMcf)</b>
1/16/2020 13:00	
1/16/2020 14:00	
1/16/2020 15:00	
1/16/2020 16:00	
1/16/2020 17:00	
1/16/2020 18:00	
1/16/2020 19:00	
1/16/2020 20:00	
1/16/2020 21:00	
1/16/2020 22:00	
1/16/2020 23:00	
1/17/2020 0:00	
1/17/2020 1:00	
1/17/2020 2:00	
1/17/2020 3:00	
1/17/2020 4:00	
1/17/2020 5:00	
1/17/2020 6:00	
1/17/2020 7:00	
1/17/2020 8:00	
1/17/2020 9:00	
1/17/2020 10:00	
1/17/2020 11:00	
1/17/2020 12:00	
1/17/2020 13:00	
1/17/2020 14:00	
1/17/2020 15:00	
1/17/2020 16:00	
1/17/2020 17:00	
1/17/2020 18:00	
1/17/2020 19:00	
1/17/2020 20:00	
1/17/2020 21:00	
1/17/2020 22:00	
1/17/2020 23:00	
1/18/2020 0:00	
1/18/2020 1:00	
1/18/2020 2:00	

<b>Date-Time</b>	<b>Aliso Canyon Withdrawal (MMcf)</b>
1/18/2020 3:00	
1/18/2020 4:00	
1/18/2020 5:00	
1/18/2020 6:00	
1/21/2020 10:00	
1/21/2020 11:00	
1/21/2020 12:00	
1/21/2020 13:00	
1/21/2020 14:00	



## 2. Pre- and post-withdrawal Aliso Canyon working gas inventory<sup>2</sup>

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).

<b>Date-Time</b>	<b>Pre-Withdrawal Inventory (Bcf)</b>	<b>Date-Time</b>	<b>Post-Withdrawal Inventory (Bcf)</b>
01/09/2020 7:00 AM	25.302	01/11/2020 7:00 AM	24.581
01/12/2020 7:00 AM	24.581	01/18/2020 7:00 AM	22.012
01/21/2020 7:00 AM	22.012	01/22/2020 7:00 AM	21.899

## 3. Inventory of the non-Aliso Canyon fields before and after the Aliso Canyon withdrawal(s)<sup>3</sup>

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).

<b>Date-Time</b>	<b>Pre-Withdrawal Inventory (Bcf)</b>			<b>Date-Time</b>	<b>Post-Withdrawal Inventory (Bcf)</b>		
	<b>Honor Rancho</b>	<b>La Goleta</b>	<b>Playa Del Rey</b>		<b>Honor Rancho</b>	<b>La Goleta</b>	<b>Playa Del Rey</b>
01/09/2020 7:00 AM				01/11/2020 7:00 AM			
01/12/2020 7:00 AM				01/18/2020 7:00 AM			
01/21/2020 7:00 AM				01/22/2020 7:00 AM			

<sup>2</sup> 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. On Gas Day 01/21/2020, the following storage field inventory adjustment was made (in MMcf): Aliso Canyon (-75).

<sup>3</sup> 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. On Gas Day 01/21/2020, the following storage field inventory adjustments were made (in MMcf): Honor Rancho (-20), La Goleta (+5), and Playa Del Rey (-58).

**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.

<b>Gas Day</b>	<b>Geographical Spread</b>	<b>Time Spread (next month)</b>	<b>Time Spread (two months ahead)</b>
01/07/2020			
01/08/2020			
01/09/2020			
01/10/2020			
01/11/2020			
01/12/2020			
01/13/2020			
01/14/2020			
01/15/2020			
01/16/2020			
01/17/2020			
01/18/2020			
01/19/2020			
01/20/2020			
01/21/2020			
01/22/2020			
01/23/2020			

**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)**

<b>Gas Day</b>	<b>Avg. Temp. (deg F)</b>	<b>Heating Degree Day (HDD)</b>
01/08/2020	52	13
01/09/2020	51	14
01/10/2020	50	15
01/11/2020	50	15
01/12/2020	50	15
01/13/2020	50	15
01/14/2020	50	15
01/15/2020	50	15
01/16/2020	50	15
01/17/2020	50	15
01/20/2020	55	10
01/21/2020	55	10

**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.xls

**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\_nonAlisoWithdrawals.xls

**8. Demand response activations and Dial It Down Alerts**

SoCalGas did not declare any Smart Thermostat demand response events or issue any Dial-It-Down alerts in January 2020.

**9. Information concerning any anomalies experienced during the operation of the field**

On January 16, 2020, at approximately 12:12 am, the sacrificial sand probe on Fernando Fee-32C was triggered, which in turn caused the surface safety valve on this well to automatically close as designed and shut in the well. The well was temporarily taken out of service. The probe was inspected, and a crack was identified, however, no erosion was found on the probe. A new probe was installed, and the well was placed back into service on January 24, 2020. While the well was out of service, the impact on the field's withdrawal capability was ■■■ MMscfd.