



May 22, 2024

Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, D.C. 20426

Attention: Ms. Debbie-Anne A. Reese, Acting Secretary

Re: Colorado Interstate Gas Company, L.L.C.;  
Docket No. CP24-124-000  
Responses to Data Request – OEP/DPC/CB-1

Dear Ms. Reese:

On May 15, 2024, Colorado Interstate Gas Company, L.L.C. (“CIG”), received a data request (“Data Request”) in Docket No. CP24-124-000 from the Office of Energy Projects (“OEP”) seeking information related to CIG’s Totem Enhanced Deliverability Project. CIG is herein filing with the Federal Energy Regulatory Commission (“Commission”) its responses to the Data Request.

### **Description of Proceeding**

On April 8, 2024, CIG filed an application, pursuant to Section 7(c) and (b) of the Natural Gas Act, and Part 157.5, et seq., of the Commission’s Regulations for a certificate of public convenience and necessity and abandonment authorization to modify and enhance its existing Totem storage field located in Adams County, Colorado in order to increase the maximum withdrawal rate by approximately 50 million cubic feet per day. Specifically, CIG proposes to: (1) install six new injection and withdrawal wells; (2) replace and install various sections of storage pipeline; (3) reclassify one existing injection/withdrawal well to an observation well; (4) install various appurtenant and auxiliary facilities; and (5) inject approximately one billion cubic feet of additional base gas into the Totem storage field. The proposed project, is referred to as the “Totem Enhanced Deliverability Project”.

### **Description of Information Being Filed**

CIG is herein submitting its responses to the May 15, 2024 OEP Data Request.

### **Filing Information**

Pursuant to 18 C.F.R. § 388.113, CIG is requesting CEII treatment of the storage field analysis attachment provided in response to Question No. 1 of the Data Request. Accordingly, CIG has labeled this attachment “CONTAINS CUI//CEII – DO NOT RELEASE”. CIG requests that the Commission accord CEII treatment to this information for the life of the assets so as not to place the assets and personnel of CIG at undue risk.

If you have any questions regarding the non-public material being filed herewith, please contact Mr. Francisco Tarin at 719-667-7517 or via email at [Francisco.Tarin@kindermorgan.com](mailto:Francisco.Tarin@kindermorgan.com).

CIG is e-Filing this letter and attachment with the Commission's Secretary in accordance with the Commission's Order No. 703, *Filing Via the Internet*, guidelines issued on November 15, 2007 in Docket No. RM07-16-000.

Respectfully submitted,  
COLORADO INTERSTATE GAS  
COMPANY, L.L.C.

By           /s/ Francisco Tarin            
Francisco Tarin  
Director, Regulatory

Enclosures

Cc. Mr. Joshua Roth, OEP

COLORADO INTERSTATE GAS COMPANY, L.L.C.

Responses to Data Request – OEP/DPC/CB-1

Dated May 15, 2024 in Docket No. CP24-124-000

Totem Enhanced Deliverability Project

1. Provide Withdrawal Curves showing the existing and proposed deliverability for the Totem Storage Field.

**Response:**

CIG is providing behind as part of this response under CEII, a withdrawal curve showing the existing and proposed deliverability for the Totem Storage Field.

Response prepared by or under the supervision of:

Jackie Raskay  
Storage Project Manager  
Kinder Morgan Gas Storage Engineering  
719-520-4407

COLORADO INTERSTATE GAS COMPANY, L.L.C.  
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Totem Enhanced Deliverability Project

2. Provide the average daily deliverability for the Totem Storage Field for the past three years.

**Response:**

The average daily deliverability for the Totem Storage Field for the past three years is listed below.

2021-2022 Withdrawal Season: 58.98 MMcf/d  
2022-2023 Withdrawal Season: 53.38 MMcf/d  
2023-2024 Withdrawal Season: 70.29 MMcf/d

The average daily deliverability for a withdrawal season is based on the days in which CIG actually recorded withdrawals during such withdrawal season.

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3. Provide CIG’s systemwide deliverability for the past three years.

**Response:**

CIG operates four storage fields, Fort Morgan, Latigo, Flank, and Boehm, as a storage pool concept known as “CIG Mainline Storage” and utilizes such fields for operational purposes. The CIG Mainline Storage fields have a combined total system-wide certificated storage deliverability of 880 MMcf/d. The combined system-wide deliverability has not changed during the past three years.

CIG’s Totem Storage Field is directly connected with CIG’s High Plains system, an incrementally priced system, and operates independent of CIG Mainline Storage. Furthermore, Totem Storage Field service is provided under separate rate schedules. The Totem Storage Field has a certificated storage deliverability of 200 MMcf/d. The Totem Storage Field’s deliverability has not changed during the past three years.

Response prepared by or under the supervision of:

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Totem Enhanced Deliverability Project

4. Additionally, provide updated information on (i) acreage/storage area, (ii) avg feet/reservoir thickness, (iii) porosity, (iiii) water saturation, (v) zfactor/compressibility factor, (vi) reservoir temp and (vii) pressure.

**Response:**

The information requested above is as follows:


- (i) Acreage/storage area: 2,415 acres of reservoir
- (ii) Avg feet/reservoir thickness: 14 feet
- (iii) Porosity: 9%
- (iv) Water saturation: CIG does not measure the water saturation of each well in the Totem Storage Field. However, based on 2008 core data taken on Totem Well No. 15 over the interval of 7,263 feet to 7,291 feet, CIG calculates an average water saturation of 25%.
- (v) Z factor/compressibility factor: 0.9138 based on base gas injection to present.
- (vi) Reservoir temp: 210 degrees F
- (vii) Pressure: 2,800 psia

Response prepared by or under the supervision of:

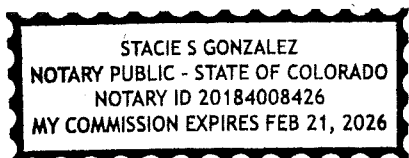
Jackie Raskay  
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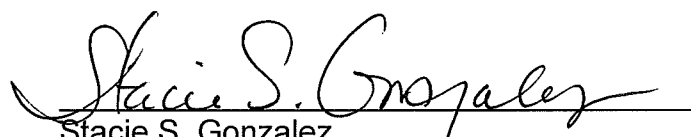
STATE OF COLORADO )  
 )  
COUNTY OF EL PASO )

FRANCISCO TARIN, being first duly sworn, on oath, says that he is the Director of the Regulatory Department of Colorado Interstate Gas Company, L.L.C.; that he has read the foregoing Response to the Office of Energy Projects' Data Request dated May 15, 2024 in Docket No. CP24-124-000, that as such he is authorized to verify the Response, that he is familiar with the contents thereof; and that the matters and facts set forth therein are true to the best of his information, knowledge and belief.

  
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Francisco Tarin

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this 22<sup>nd</sup> day of May 2024.



  
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Stacie S. Gonzalez  
Notary Public, State of Colorado  
My Commission Expires: February 21, 2026

**Certificate of Service**

I hereby certify that I have this day caused a copy of the foregoing documents to be served upon each person designated on the official service list compiled by the Commission's Secretary in this proceeding in accordance with the requirements of Section 385.2010 of the Federal Energy Regulatory Commission's Rules of Practice and Procedure.

Dated at Colorado Springs, Colorado as of this 22<sup>nd</sup> day of May 2024.

/s/

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Francisco Tarin

Two North Nevada Avenue  
Colorado Springs, Colorado 80903  
(719) 667-7517