

**SAN DIEGO GAS & ELECTRIC COMPANY
SOUTHERN CALIFORNIA GAS COMPANY
NORTH-SOUTH PROJECT REVENUE REQUIREMENT
(A.13-12-013)**

(6TH DATA REQUEST FROM SOUTHERN CALIFORNIA GAS COALITION)

QUESTION 6.1:

6.1. With respect to SoCalGas' response to SCGC-02, Question 2.4.2:

- 6.1.1. Please describe the path that gas withdrawn from Honor Rancho would have to take in order to reach the Chino and Prado crossovers and ultimately Moreno Station.
- 6.1.2. Please estimate the distance associated with the path described in the answer to the previous question.
- 6.1.3. Assuming the North-South Pipeline were in operation, please estimate the distance that Honor Rancho gas would have to travel to reach Moreno Station.
- 6.1.4. If the North-South Pipeline were in operation, would Honor Rancho gas still be "used by customers upstream of the crossovers, in the San Joaquin Valley, in the Los Angeles Basin, or along the coast"?
- 6.1.5. If the answer to the previous question is "no," please explain why.

RESPONSE 6.1:

- 6.1.1. SoCalGas and SDG&E object to this question on the grounds that it requests confidential and proprietary system information. It would create a risk to public safety to make this information public. Without waiving these objections, SoCalGas and SDG&E respond as follow:

Gas withdrawn from Honor Rancho for delivery to Moreno Station via the Chino and Prado crossover stations would utilize Transmission Lines 2000, 225, 4000, 1185, 235, 4002, 335, and 2001.

- 6.1.2. The distance is approximately 160 miles.

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6.1.3. The distance is approximately 130 miles.

6.1.4. Yes.

6.1.5. N/A

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QUESTION 6.2:

- 6.2. With respect to SoCalGas' response to SCGC-02, Question 2.12.2 where SoCalGas states: "The SoCalGas/SDG&E Gas Control department responds immediately to changes in demand in the Rainbow Corridor and/or San Diego, such as a new power plant coming online suddenly or a facility outage. However, gas in the pipeline network does not respond instantaneously to those changes made by the Gas Control department."
- 6.2.1. How long does it take the gas in the pipeline network that is along Lines 2000/2001/5000 to respond to those changes made by the Gas Control department?
- 6.2.2. How long does it take the gas in the pipeline network that is arriving via Otay Mesa to respond to those changes made by the Gas Control department?
- 6.2.3. How long does SoCalGas expect it would take gas in the pipeline network that would be sent via the proposed North/South Pipeline to respond to those changes made by the Gas Control department?

RESPONSE 6.2:

- 6.2.1. Since conditions are ever changing on the SoCalGas system there is no way to quantify a timeframe for gas to respond to changes made by Gas Control.
- 6.2.2. Please refer to Response 6.2.1 of this Data Request.
- 6.2.3. Please refer to Response 6.2.2 of this Data Request.

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QUESTION 6.3:

6.3. With respect to SoCalGas' response to SCGC-02, Question 2.16, please explain why SoCalGas/SDG&E have never considered using a storage facility as a means of meeting demands on the Southern System.

RESPONSE 6.3:

6.3. Underground natural gas storage facilities are subject to specific geological formations and cannot simply be built in any desired location. As far as SoCalGas is aware, there are not any such geological formations on the Southern System.

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QUESTION 6.4:

6.4. With respect to SoCalGas' response to SCGC-03, Question 3.2.6 where SoCalGas states: "SoCalGas lacks compression, valving, and controls needed to deliver gas supply at that location."

6.4.1. Please describe the valving and controls that would be required in order to enable SoCalGas to deliver gas supply into Kern/Mojave at that location.

6.4.2. Please identify the amount of compression that would be required to enable SoCalGas to deliver gas supply into Kern/Mojave at that location.

RESPONSE 6.4:

6.4.1. SoCalGas has not identified the specific equipment that would be necessary to deliver supply into the Kern/Mojave pipeline at this location.

6.4.2. Please refer to Response 6.4.1 of this Data Request.

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QUESTION 6.5:

6.5. With respect to SoCalGas' response to SCGC-03, Question 3.2.9 where SoCalGas states "SoCalGas lacks compression, valving, and controls needed to deliver gas supply at that location."

6.5.1. Please describe the valving and controls that would be required in order to enable SoCalGas to deliver gas supply into Kern/Mojave at that location.

6.5.2. Please identify the amount of compression that would be required to enable SoCalGas to deliver gas supply into Kern/Mojave at that location.

6.5.3. Would the same amount of compression be required to deliver gas into Kern/Mojave at the location as would be required for the response to Q.3.2.6?

RESPONSE 6.5:

6.5.1. Please refer to Response 6.4.2 of this Data Request.

6.5.2. Please refer to Response 6.5.1 of this Data Request.

6.5.3. Please refer to Response 6.5.2 of this Data Request.

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QUESTION 6.6:

- 6.6. With respect to SoCalGas' response to SCGC-03, Question 3.3.2 where SoCalGas states "SoCalGas lacks compression, valving, and controls needed to deliver gas supply at that location."
- 6.6.1. Please describe the valving and controls that would be required in order to enable SoCalGas to deliver gas supply into Kern/Mojave at that location.
- 6.6.2. Please identify the amount of compression that would be required to enable SoCalGas to deliver gas supply into Kern/Mojave at that location.
- 6.6.3. Assuming that the equipment described in response to the previous two questions were to be installed at the Kramer Junction interconnection point, in the event of an interruption to deliveries on the Kern/Mojave system:
- 6.6.3.1. Please identify the amount of natural gas that could be delivered from Honor Rancho via Lines 225/335/6905 into the Kern/Mojave system at the Kramer Junction interconnection point.
- 6.6.3.2. Please identify the amount of natural gas that could be delivered from Honor Rancho via Line 235 into the Kern/Mojave system at the Kramer Junction interconnection point.
- 6.6.4. If no gas from Honor Rancho could be delivered to the Kramer Junction interconnection point under the circumstances described in either of the previous two questions, please identify the factors that would prevent delivery of Honor Rancho gas into Kern/Mojave.

RESPONSE 6.6:

- 6.6.1. Please refer to Response 6.5.3 of this Data Request.
- 6.6.2. Please refer to Response 6.6.1 of this Data Request.

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6.6.3.

6.6.3.1. SoCalGas has not performed that calculation

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6.6.3.2. Please refer to Response 6.6.3.1 of this Data Request.

6.6.4. SoCalGas has made no such determination.

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QUESTION 6.7:

6.7. With respect to SoCalGas' response to SCGC-03, Question 3.4.2, which states "the pressure on the SoCalGas system at a hypothetical location east of our Newberry compressor station operates at a lower pressure than the Mojave Pipeline. Additional facilities would be required before any gas could be supplied to Mojave at that location."

6.7.1. Please describe the valving and controls that would be required in order to enable SoCalGas to deliver gas supply into Mojave Pipeline at that location.

6.7.2. Please identify the amount of compression that would be required to enable SoCalGas to deliver gas supply into Mojave Pipeline at that location.

6.7.3. Please describe any other facilities that would be required to enable SoCalGas to deliver gas supply into Mojave Pipeline at that location.

RESPONSE 6.7:

6.7.1. SoCalGas has not identified the specific equipment that would be necessary to deliver supply into the Mojave pipeline at this hypothetical location.

6.7.2. Please refer to Response 6.7.1 of this Data Request.

6.7.3. Please refer to Response 6.7.2 of this Data Request.

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QUESTION 6.8:

6.8. With respect to the gas requirements on the Southern System:

- 6.8.1. Please identify the total daily gas requirement on the Southern System for the years 2009-2013 and the months January through April 2014.
- 6.8.2. Please identify the total daily EG gas requirement on the Southern System for the years 2009-2013 and the months January through April 2014.

RESPONSE 6.8:

SoCalGas and SDG&E interpret “gas requirements on the Southern System” as the minimum flowing supply requirement for the purposes of this response.

- 6.8.1. The Southern System daily gas requirements for the periods requested are available on Envoy at <https://scgenvoy.sempra.com/> in the Capacity Utilization archive.
- 6.8.2. SoCalGas and SDG&E do not calculate or identify the daily gas requirement by customer class.

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QUESTION 6.9:

- 6.9. Regarding SoCalGas' 2014 Customer Forum presentation that included a map of the combined SoCalGas/SDG&E transmission systems (p.38) depicting the proposed North-South Pipeline and proposed Line 3602:
- 6.9.1. Please provide the projected capacity of Line 3602.
 - 6.9.2. Please provide the increase in the capacity of the Rainbow Corridor after completion of Line 3602 and assuming no service on Line 1600.
 - 6.9.3. Please provide the increase in the capacity of the Rainbow Corridor after completion of Line 3602 and assuming Line 1600 pressure tested and back in service.
 - 6.9.4. Please provide the estimated deliverability to Otay Mesa after the completion of Line 3602 and assuming no service on Line 1600.
 - 6.9.5. Please provide the estimated deliverability to Otay Mesa after the completion of Line 3602 and assuming Line 1600 pressure tested and back in service.

RESPONSE 6.9:

SoCalGas and SDG&E object to this question on the grounds that it is beyond the scope of this application. SoCalGas and SDG&E have not proposed Line 3602 in this application, and Line 3602 would not alleviate the supply issues on Southern System. Without waiving these objections, SoCalGas and SDG&E respond as follow:

6.9.1. 600 MMcfd.

6.9.2. The installation of Line 3602 would not increase the capacity of the Rainbow Corridor.

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6.9.3. Please refer to Response 6.9.2 of this data request.

6.9.4. SoCalGas and SDG&E have not performed that evaluation.

6.9.5. Please refer to Response 6.9.4 of this data request.