

**ORA DATA REQUEST
ORA-SCG-079-OE2
SOCALGAS 2019 GRC – A.17-10-008
SOCALGAS RESPONSE
DATE RECEIVED: JANUARY 9, 2018
DATE RESPONDED: JANUARY 29, 2018**

Exhibit Reference: SCG-07

SCG Witness: Michael A. Bermel & Beth Musich

Subject: Gas Transmission

Please provide the following:

1. Referring to Ex. SCG-07 testimony, page MAB-5, Table JGT-4, Line 8:

a) Does SCG have a memorandum account for catastrophic events or force majeure?

b) If the answer to question 1a is yes, please provide a justification for this request.

SoCalGas Response 1:

a) Yes.

b) SoCalGas and SDG&E each have a Catastrophic Event Memorandum Account (CEMA). The CEMA is utilized when a state of emergency is declared by the Governor of California and/or the President of the United States. The conditions and financial criteria are limited to those costs that may be included in CEMA and, like any other memorandum accounts, cost recovery is not certain without Commission authorization. The justification for the request provided in Ex. SCG-07 Table JGT-4 relates to SoCalGas' Risk Assessment Mitigation Phase Report (which is further described in the testimony of Diana Day (Exhibit SCG-02)) whereby the Utilities were required to assess the risk exposure to the natural gas system and to articulate the proactive mitigation efforts that have been undertaken or are proposed regardless of a state of emergency being declared, which would not be subject to the CEMA.

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2. Referring to Ex. SCG-07 testimony, page MAB-6, lines:3-12:

- a) Please state how many of your compressor stations are without access controls and detection capabilities.
- b) How many of the compressor stations have been identified that will need upgrades.

SoCalGas Response 2:

- a) SoCalGas objects to this request under Rule 10.1 of the Commission’s Rules of Practice and Procedure on the grounds that it seeks production of information that is neither relevant to the subject matter involved in the pending proceeding nor is reasonably calculated to lead to the discovery of admissible evidence, and further on the grounds that the request is intrusive. Moreover, the responsive information has been deemed confidential by the Transportation Security Administration and the release of such is considered a threat to national security. Certain information is restricted on a “business need” or “need-to-know” basis, even amongst employees. Information may be limited to the fewest number of individuals to reduce the risk of compromise or misuse. Subject to and without waiving the foregoing objections, SoCalGas responds as follows: Compressor stations have various forms of physical security.
- b) SoCalGas objects to this request under Rule 10.1 of the Commission’s Rules of Practice and Procedure on the grounds that it seeks production of information that is neither relevant to the subject matter involved in the pending proceeding nor is reasonably calculated to lead to the discovery of admissible evidence, and further on the grounds that the request is intrusive. Moreover, the responsive information has been deemed confidential by the Transportation Security Administration and the release of such is considered a threat to national security. Certain information is restricted on a “business need” or “need-to-know” basis, even amongst employees. Information may be limited to the fewest number of individuals to reduce the risk of compromise or misuse. Subject to and without waiving the foregoing objections, SoCalGas responds as follows: for this GRC, SoCalGas is forecasting the installation of a specific types of physical security measures - access and detection controls – at 1 compressor station.

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3. Referring to Ex. SCG-07 testimony, page MAB-5, Lines: 13-20:

- a) How many miles of your gas transmission pipelines have been identified as “vulnerable”?
- b) Please state the locations of the vulnerable transmission gas pipelines.
- c) How many strain gauges do you plan to install and how much does a unit cost?

SoCalGas Response 3:

- a) The citation in the question is likely in error and is meant to cite MAB-6, Lines 13-20. SoCalGas identified approximately 10 miles that require the installation of strain gauges to address earth movements.
- b) The location identified is on pipelines along the Cajon Pass northwest of the City of San Bernardino.
- c) SoCalGas has not yet determined the number and unit cost.

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4. Referring to Ex. SCG-07 testimony, page MAB-9, Lines: 9-13:

- a) In regards to the El Segundo Loop and the multiple smaller pipeline construction projects, how much was approved for this project in the 2016 GRC?
- b) For the “multiple smaller new pipeline construction projects”, please identify the line segments that are referenced here.

SoCalGas Response 4:

a) See table below

2016 GRC - SCG	Request			Authorized		
	2014	2015	2016	2014	2015	2016
BC 301 El Segundo Pipeline Enhancement	6,042	9,063	-	128	9,063	-

b) SoCalGas applies a blanket work order for projects that are not known well in advance. This works consists of a collection of many like-kind projects that are often similar in scope, and forecasts future activities on a five-year average to take into account variability in individual project scope, cost and schedule to complete.

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5. Referring to Ex. SCG-07 testimony, page MAB-11, Lines:9-30 and MAB-12, Lines:1-9
- a) Please provide any citations, fines and audits that have triggered these pipeline replacements.
 - b) Please state the current and former class locations for each of the pipelines listed here.
 - c) Please state how many miles they are and name the segments for each pipeline stated here.
 - d) Please give a detailed explanation of what you mean by class location remediation.
 - e) Why are several vaults being replaced in the San Joaquin Valley and what are their individual costs?
 - f) On page MAB-12, Lines: 8-9, you state that there are several smaller projects included in the forecasts. Please identify and list these projects and their individual costs.

SoCalGas Response 5:

- a) No citations, fines, or audits have been issued. As mentioned in the testimony MAB-10, Lines 22-24 to MAB-11, Lines 1-3, SoCalGas has two years to remediate the pipeline.
- b) Please refer to WP SCG-07-CWP Pages 21-40 for description and footage of each project. Projects without noted footages are currently being scoped and lengths are yet to be determined.
- c) Please refer to WP SCG-07-CWP Pages 21-40 for description and length of each project. Projects without noted lengths are currently being scoped and the applicable lengths are yet to be determined.
- d) Class location remediation can be: 1) replacement of pipeline to allow for operation at a hoop stress commensurate to the present class location; 2) relocation of the pipeline to address the change in class location; or 3) lowering the operating pressure of the pipeline for operation at a hoop stress commensurate to the present class location.
- e) Please refer to SCG-07-CWP Page 40 for descriptions, reasons and cost for the vault replacements.

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SoCalGas Response 5 Continued:

- f) Please refer to SCG-07-CWP Page 36.

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6. Referring to Ex. SCG-07 testimony, page MAB-13, Lines: 20-30 and MAB-14, Lines: 1-26
- a) Please state the pipeline mileage for each of the relocation projects.
 - b) Will any of the agencies or entities stated here bear any portion or all of the costs for these projects?
 - c) If the answer to question 6b is yes, please state how much for each project.
 - d) Are there any written agreements?
 - e) If the answer to question 6d is yes, please provide copies.
 - f) In regards to the Farmland Protection projects please provide the following:
 - i. Identify the locations of these farmlands
 - ii. How much will these projects cost?
 - g) Please state how much capital has been forecasted for the unplanned natural gas transmission pipeline relocations on page MAB-14, Lines: 24-26.

SoCalGas Response 6:

- a) Please refer to SCG-07-CWP, Pages 49, 59-70 for details and footages for each project. Projects without noted footages are currently being scoped and lengths are yet to be determined.
- b) Yes.
- c) Cost responsibility varies depending on the agreement.
- d) Yes.
- e) Please see the accompanying documents:
 - ORA-SCG-079-OE2 Response 6 Attachment CHSRA Agreement.pdf
 - ORA-SCG-079-OE2 Response 6 Attachment DOT - Freeway Master Contract_.pdf
 - ORA-SCG-079-OE2 Response 6 Attachment LACMTA Agreement 1.pdf
 - ORA-SCG-079-OE2 Response 6 Attachment LACMTA Agreement 2.pdf
 - ORA-SCG-079-OE2 Response 6 Attachment OCTA Agreement.pdf

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SoCalGas Response 6 Continued:

- f) Farmland locations are located throughout the SoCalGas/SDG&E territory. For costs, please refer to table JGT-9 of testimony.
- g) Please refer to Table JGT-9 under category "Blanket."

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7. Referring to Ex. SCG-07 testimony, page MAB-16, Lines: 7-16
- a) Does Caltrans or the franchise usually bear any costs?
 - b) If the answer to Question 7a is yes, please state how much.
 - c) How much has been forecasted for this capital expense?

SoCalGas Response 7:

- a) Yes.
- b) Cost responsibility varies depending on the agreement.
- c) Please refer to Ex. SCG-07 Table JGT-9 for total cost forecast.

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8. Referring to Ex. SCG-07 testimony, page MAB-16, Lines: 17-28
Please state the age of each of the nine compressor stations.

SoCalGas Response 8:

Please see the following list for the year each SoCalGas compressor station went into service.

Adelanto: 1973
Blythe: 1947
Kelso: 1970
Moreno: 1955
Newberry Springs: 1967
North Needles: 1964
South Needles: 1957
Ventura: 1988 (original station installed in 1922)
Wheeler Ridge: 1992

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9. Referring to Ex. SCG-07 testimony, page MAB-18, Table JGT-11

a) Please provide a detailed breakdown of the Small Compressor projects listed in this table.

b) For the M0305, M0315 and M0325 Blanket projects please provide a detailed description and justification.

SoCalGas Response 9:

a) The forecasts were developed based on historical expenditures of similar projects necessary for continued operation of the compressor stations. SoCalGas applies a blanket work order for projects that are not known well in advance but typically consist of a collection of many like-kind projects that are often similar in scope. The forecast of future activities is based on a five-year average that allows SoCalGas to account for variability in individual project scope, cost and schedule to complete.

b) Please refer to SCG-07-CWP page 79 for M0305 details; Page 98 for M0315 details; and page 107 for M0325 details.

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10. Referring to Ex. SCG-07 testimony, page MAB-21, Lines: 5-15.

- a) How much was authorized for the “Compressor Change Outs for Reliability & Capacity” at the Ventura Station and Blythe Station in the 2016 GRC?
- b) How much was used?
- c) How much of this project has been executed?

SoCalGas Response 10:

a)

Categories	Direct \$'s Only (No Loaders)				
	A	B	C	D	
	Authorized		Actuals		
	2015	2016	2015	2016	2017
Ventura					
Costs	\$ 4,518	\$ 28,855	\$ 1,148	\$ 4,262	\$ 391
Totals	\$ 4,518	\$ 28,855	\$ 1,148	\$ 4,262	\$ 391
Blythe					
Costs	\$ 2,510	\$ 32,630	\$ 1,443	\$ 5,530	\$ 13,348
Totals	\$ 2,510	\$ 32,630	\$ 1,443	\$ 5,530	\$ 13,348
Grand Total	\$ 7,028	\$ 61,485	\$ 2,591	\$ 9,792	\$ 13,739

- b) See table in response to question 10a.
- c) Overall progress for Blythe is approximately 14% and overall progress for Ventura is approximately 2%.

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11. Referring to Ex. SCG-07 testimony, page MAB-22, Lines: 26-28 and MAB-23, Lines: 1-4. How many compressors do you have at the Blythe Station?

SoCalGas Response 11:

Ten compressors.

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12. Referring to Ex. SCG-07 testimony, page MAB-23, Lines: 1-4. Please provide a copy of the analysis done for these two Caterpillar units.

SoCalGas Response 12:

Please see the accompanying file “ORA-SCG-079-OE2 Response 12 Attachment,” which is the first eight pages containing the summary findings of an engineering assessment of certain compressor foundations located at the Blythe Compressor Station.

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13. Referring to Ex. SCG-07 testimony, page MAB-24, Lines: 1-5. How much of the allocated authorized 2016 capital is left for both the Ventura and Blythe and what has been spent and please give a detailed list of the portions of the project it was spent on?

SoCalGas Response 13:

Please see table in response to question 10. Capital has been invested on preliminary engineering and front-end design.

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14. Referring to Ex. SCG-07 testimony, page MAB-25, Table JGT-15.

- a) Are the amounts stated in these Table actual bids received from contractors?
- b) Please provide a detailed explanation and breakdown of these costs.

SoCalGas Response 14:

- a) No.
- b) Please refer to SCG-07-CWP Pages 131-133 for detailed costs.

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15. Referring to Ex. SCG-07 testimony, page MAB-26, Lines: 24-25.
Please provide a detailed explanation of what the “long lead items” mentioned here are.

SoCalGas Response 15:

In this context, SoCalGas defines “long lead items” as anything that is expected to take longer than 6 months.

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16. Please indicate:

- a) How many of the gas transmission capital projects approved in the 2016 GRC were carried out and completed?
- b) How many projects are still outstanding and still in progress?

SoCalGas Response 16:

- a) Please see table below but note that this is not an exhaustive list of projects that were included in SoCalGas' Test Year 2016 GRC workpapers. Since workpapers were not created for bulk projects (as they are smaller projects not known well in advance) this list does not include bulk items.

BC	WO	Project	Status	Comp Year
3x2	90575	L-85 RELOC AT BLACKWELLS CORNER	Cancelled	
	90885	L8109 PIPELINE EXPOSURE CUYAMA RIVER	Complete	Nov-15
	90981	L3003 EXPOSURE AT PLACERITAS CREEK	In progress	
	96773	407 & 3003 PIPE EXPOSUR REPAIR-SUL CYN	Complete	Dec-15
	90866	L225 MP VALVE REPLACEMENT NORTH COLES	In progress	
	90913	L406 VALVE REPLACEMENT MP 406	Cancelled	
	90849	L5000 EXPOSURE REPAIR MP140 MORONGO	Complete	Jan-16
	90630	L1026 RELOCATE TORREY PINE BRIDGE	Complete	Apr-14
	90850	L6000 RELOCATION DOGWOOD & WILLOUGHBY	In progress	
3x4	96879	L2001 Relocation - Nogales	Complete	Jul-14
	96951	Westside Parkway - Line 7039	Complete	May-14
	90880	Fairway Drive Grade Separation, Line 2001	In progress	
	91284	Fullerton Rd. Grade Separation, Line 2001	In progress	
	96042	Riverside Airport - Line 2001	Cancelled	
	N/A	Ballona Wetlands	In progress	
3x5	N/A	Farmland Relocations	In progress	
	90191	Newberry Springs - Power Generation	Complete	Sep-13
	N/A	Rule 1160 - Mojave AQMD	In progress	

- b) Please see response to question 16a.

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17. Referring to Ex. SCG-07 testimony, page MAB-27, Table JGT-16. Please provide a detailed itemized list of the Bulk projects with detailed descriptions and individual costs.

SoCalGas Response 17:

SoCalGas applies a blanket work order for projects that are not known well in advance but typically consist of a collection of many like-kind projects that are often similar in scope. For this budget category a base year forecast was appropriate to use because the same level of activity is expected to occur in each of the forecast years.

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18. Referring to Ex. SCG-07 testimony, page MAB-28, Lines: 21-30.

- a) How many wooden vaults do you have in the SCG system?
- b) Please provide a detailed explanation of what the “Physical Security of Critical Gas Infrastructure” is.
- c) Please expound on what the blanket projects for smaller projects referenced in lines: 28-29 are.

SoCalGas Response 18:

- a) SoCalGas has approximately 25 wooden vaults currently in use.
- b) Please refer to Testimony SCG-07 MAB-6 Lines 3-12.
- c) SoCalGas applies a blanket work order for projects that are not known well in advance but typically consist of a collection of many like-kind projects that are often similar in scope. The forecast of future activities is based on a five-year average that allows SoCalGas to account for variability in individual project scope, cost and schedule to complete.

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19. Referring to Ex. SCG-07 testimony, page MAB-29, Lines: 3-8.

- a) Please identify these select transmission pipelines
- b) What locations in the SCG system will the installation of the strain gauges be done?

SoCalGas Response 19:

- a) SoCalGas preliminarily identified two pipeline locations in Needles and Blythe for moisture monitoring.
- b) Please see response to question 3b.

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20. Referring to Ex. SCG-07 testimony, page MAB-32, Lines: 3-6. Please state/cite similar circumstance where the Commission has permitted cost recovery under the similar circumstance with the North-South Project.

SoCalGas Response 20:

SoCalGas objects to this request on the ground that ORA seeks information that is beyond the scope of permissible discovery contemplated by Rule 10.1 of the Rules of Practice and Procedure of the State of California Public Utilities Commission. Question 20 seeks legal conclusions rather than the production of evidence of a factual matter. SoCalGas further objects to Question 20 to the extent they would require SoCalGas to search their files for matters of public record in CPUC proceedings (decisions, orders, etc.). This information is available equally to ORA.