

**ORA DATA REQUEST  
ORA-SCG-156-OE2  
SOCALGAS 2019 GRC – A.17-10-008  
SOCALGAS RESPONSE  
DATE RECEIVED: MARCH 12, 2018  
DATE RESPONDED: MARCH 26, 2018**

**Exhibit Reference:** SCG-07

**SCG Witness:** Elizabeth Musich & Michael Bermel

**Subject:** Gas Transmission

**Please provide the following:**

1. Referring to Ex. SCG-07 WP, Page 43: Please provide justifications for the 2019 request of \$87,000 for non-labor.

**SOCALGAS Response 01:**

The \$87,000 for non-labor is for a Cal Trans project to relocate L2000. This is a collectible project.

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2. Referring to Ex. SCG-07 WP, Page 111: Please provide a copy of the detailed engineering analysis done to develop the cost estimates for the WP Group: M03350 – MP Comp Sta Add/Rpls/Quality/Economic Driven. Please provide this analysis and costs broken down for 2017, 2018 and 2019 Test Year.

**SOCALGAS Response 02:**

As provided in Exhibit SCG-07-CWP, page 111 of 176, the forecast employed a five-year average along with an incremental forecast to account for the Blythe Compressor Replacement project. The portion of the detailed engineering analysis used to develop the forecast for the Blythe Compressor Replacement project is provided in the attached document “Blythe Factored Estimate Worley PDF.pdf.” The forecasted capital expenditures for years 2017 through 2019 for this budget category are provided in Exhibit SCG-07-CWP pages 106 through 119 of 176.

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3. Referring to Ex. SCG-07 WP, Pages 118 &119: Please provide on a granular level the cost break down for the Blythe Compressor Project Phase 1 and Phase 2 for the Test Years 2017, 2018 and 2019.

**SOCALGAS Response 03:**

The following represents the forecasted annual capital expenditures for the Blythe Compressor Replacement project, Phase 1 and Phase 2, for the forecast years 2017 and 2018 and test year 2019. This forecast is based on information that was available when testimony and workpapers were being developed.

The use of Phase 1 and Phase 2 is described in testimony Exhibit SCG-07, page MAB 23 lines 5 through 14, and in workpaper Exhibit SCG-07-CWP, pages 118 and 119 of 176.

*Forecasted project expenditures are shown in \$ millions.*

<b>Plant 4 Forecast</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Total Direct Cost & Estimate Allowances	12	29	36	77
Transportation Costs	0	1	1	2
Total Construction Indirects	4	10	13	27
Total Other Costs	0	1	1	2
Total Engineering Services	4	10	12	26
Construction Management	1	3	4	8
Recommended Contingency	4	11	13	28
Company Labor	2	4	5	11
Below the Line Items	2	4	5	11
<b>Plant 4 Forecast</b>	29	73	90	192
<b>Plant 2 Forecast</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
<b>Plant 2 Forecast</b>	5	11	14	30
<b>GRAND TOTAL</b>				222

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4. Referring to Ex. SCG-07 WP, Page 125-133: Please identify what sections and mileage of pipelines in SoCalGas’ system that has been earmarked for Cathodic Protection.

**SOCALGAS Response 04:**

The table below shows the pipeline and milepost locations identified for scoping of cathodic protection remediation. Note that after scoping, some locations may not require remediation.

Pipeline	Milepost
37	5.75
37	39.93
85	17.57
85	34.12
85	55.98
85	78.6
133	3.22
173	5.22
222	1.89
225	11.04
404	3.69
404	22.36
404	38.51
406	11.49
406	33.04
406	34.86
406	36.85
406	39.14
406	44.59
800	2.72
1003	2.7
1003	5.92
1003	17.46
1003	32.03
1013	3.79
2001	204.68
6913	0
7043	0.65
7055	7.74

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7059	3.75
8105	22.35
8105	32.12
8106	11.07
8106	24.97

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5. Referring to Ex. SCG-07 WP, Page 87:

- a. Please state the emission measurements for the following compressor stations: North Needles, South Needles, Blythe, Adelanto, Kelso and Newberry.
- b. Please state which of these compressors stations are out of compliance with the emission limits.

**SOCALGAS Response 05:**

- a. The emission measurements for North Needles, South Needles, Blythe, Adelanto, Kelso, and Newberry are all within the limit ranges as required per Rule 1160. The limits at Adelanto and Kelso will be 50 ppm NO<sub>x</sub> limit and 225 ppm VOC (Volatile Organic Compounds). The retrofits that are scheduled to be completed in 2018 include Non-Selective Catalytic Reduction (NSCR). The lean burning main unit compressors at Newberry Springs will also receive modifications to meet new emission thresholds of 125 ppm NO<sub>x</sub> limit by a compliance date of January 22, 2019.
- b. None of the compressor stations are out of compliance with the emission limits. Upgrades and replacement identified will confirm continued compliance with Rule 1160.

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6. Referring to Ex. SCG-07 WP, Page 95: The Description section on this page states as follows: “Ask Rick/Team”. Please provide a detailed description and justification for the estimated costs of \$650,000 for Test Years 2018 and 2019.

**SOCALGAS Response 06:**

This was a typographical error that was inadvertently added into the workpaper. This workpaper consists of bulk or projects that cannot be identified far in advance but are part of routine work done in this budget code category.

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7. Referring to Ex. SCG-07 WP, Pages 87 – 99: Please provide the 2012 to 2016 recorded cost amounts for **each** of the following Workpaper Detail categories: M03150.001 to M03150.013.

**SOCALGAS Response 07:**

Budget Code 315 used a zero-based forecast because the projects identified in 2017, 2018, and 2019 comprised a greater volume of work than in previous years. Therefore, because these workpaper subprojects (workpaper\_details) are unique projects, there are no historical costs for these specific projects.

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8. Referring to SoCalGas’ Response to data request ORA SCG-079-OE2, Question 10a: Please provide a breakdown of the costs in the Table to show the Labor and Non-Labor portions of the amounts stated.

**SOCALGAS Response 08:**

2016 GRC		2016 GRC Authorized			
		2015		2016	
		Labor	Non-Labor	Labor	Non-Labor
BC 305	Compressor change outs for reliability & capacity. VENTURA STATION	131	4,387	834	28,021
BC 305	Compressor change outs for reliability & capacity - BLYTHE	73	2,437	943	31,687