

**ORA DATA REQUEST
 ORA-SCG-132-YNL
 SOCALGAS 2019 GRC – A.17-10-008
 SOCALGAS RESPONSE
 DATE RECEIVED: FEBRUARY 12, 2018
 DATE RESPONDED: FEBRUARY 27, 2018**

Exhibit Reference: SCG-08-CWP
SCG Witness: Michael A. Bermel
Subject: Major Projects Capital Workpapers

Please provide the following:

1. Referring to Ex. SCG-08-CWP, p. 6 of 56, labor-zero-based, please provide a table indicating a number of positions SoCalGas will hire by profession and year (from 2017-2019).

a. Please include an average salary by profession and cumulative total salary by profession and year.

b. Please include supporting documents on how “[t]he costs estimated for this project were based on current labor rates and historical experience based on projects similar to those done for PSEP transmission along with estimated time needed to upgrade and test equipment already in the field as was done by the EMP replacement project.”

c. Please indicate which of these labor costs fall under O&M (see Appendix A, page 15 of 16 or page 30 of 56) or capital.

SOCALGAS Response 01:

a.

Management Position	Qty	Average Salary (\$/yr)
SCADA Advisors	2	\$ 111,030
PI Administrator	1	\$ 111,030
Gas Control Manager	1	\$ 143,728
Distribution Operations Managers	2	\$ 141,648
Project Managers	4	\$ 137,946
	2	\$ 160,618
Design Engineer	1	\$ 131,040
Project Engineer	1	\$ 131,040
Field Support Advisor/Engineer	1	\$ 124,800
Technical Advisors (SAP)	2	\$ 103,896

Union Position	Qty	Average Salary (\$/yr)
Dist. Instrument Specialists	15	\$ 91,520

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SOCALGAS Response 01 Continued:

New Positions	Qty	Hiring Year	2017	2018	2019
SCADA Advisors	2	Q1 - 2019	\$ -	\$ -	\$ 222,060.80
PI Administrator	1	Q1 - 2019	\$ -	\$ -	\$ 111,030
Gas Control Manager	1	Q3 - 2019	\$ -	\$ -	\$ 71,864
Distribution Operations Managers	2	Q2 - 2018	\$ -	\$ 212,472	\$ 283,296
Project Managers PM3	1	Q2 - 2018	\$ -	\$ 103,459	\$ 137,946
Project Managers PM3	1	Q1 - 2019	\$ -	\$ -	\$ 137,946
Project Managers PM4	2	Q3 - 2019	\$ -	\$ -	\$ 160,618
Project Managers PM3	2	Q3 - 2019	\$ -	\$ -	\$ 137,946
Design Engineer	1	Q2 - 2018	\$ -	\$ 98,280	\$ 131,040
Project Engineer	1	Q2 - 2018	\$ -	\$ 98,280	\$ 131,040
Field Support Advisor/Engineer	1	Q2 - 2018	\$ -	\$ 93,600	\$ 124,800
Technical Advisors (SAP)	2	Q2 - 2018	\$ -	\$ 155,844	\$ 207,792
Dist. Instrument Specialists	8	Q2 - 2018	\$ -	\$ 549,120	\$ 732,160
Dist. Instrument Specialists	7	Q1 - 2019	\$ -	\$ -	\$ 640,640
			\$ 1,311,055	\$ 1,311,055	\$ 3,230,178
Existing Support Positions	2017	2018	2019		
Gas Control Training	\$ -	\$ 227,430	\$ 227,430		
Union Training	\$ -	\$ 165,528	\$ 165,528		
Additional Commissioning	\$ -	\$ 15,442	\$ -		
Additional Design Support	\$ -	\$ 714,066	\$ 53,808		
Project Engineering	\$ 400,000	\$ -	\$ -		
	\$ 400,000	\$ 1,122,466	\$ 446,766		

b. Please see Ex. SCG-08-R page MAB-25 for Forecast Method. The capital cost estimation method is further described in Ex. SCG-08-CWP on page 20 and 21 of 56.

c. The Supplemental Workpapers beginning on page 14 of 56 in SCG-08-CWP contain detail for the proposed projects. This supporting information in those capital workpapers includes both capital and associated O&M cost estimates. All of the costs provided on pages 29 and 30 of 56 are O&M costs. For additional detail on the O&M cost estimation method please see Ex. SCG-08-CWP on pages 30 and 31 of 56.

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2. Referring to Ex. SCG-08-CWP, p. 6 of 56, non-labor-Zero-Based, please provide supporting documentation on “[t]he costs that were estimated for the DOCC project were based on known licensing costs of applications used by the company and general historical costs of installing equipment in the field [along with] a series of assumptions [that] were made in order to determine the capital cost of installing a Distribution Operations Control Center including Gas Control moving to a new facility in 2022.”

SOCALGAS Response 02:

Please see SCG-08-CWP, Appendix A – Distribution Operations Control Center Supplemental WP page 20 of 56 for the capital cost estimation method.

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3. Referring to Ex. SCG-08-CWP, Appendix A, page 5 of 16 (or 20 of 56), SoCalGas states, “Gas Control will need to move facilities. \$10MM will be set aside to help with incremental costs of moving into a new facility. Cost was validated based on market estimations by facilities.” Directly above, SoCalGas states, “Existing Gas Control and the new Distribution Operations Control Center will share the same facility but be separated by different control rooms.”

- a. Is Gas Control and Existing Gas Control the same?
- b. When will Gas Control need to move to the new facilities? Is SoCalGas requesting that the \$10 million be set aside in this GRC?
- c. Please provide supporting documentation on the validation of \$10 million sum based on market estimations by facilities.
- d. Please provide reasons, assumptions and supporting documents on why Gas Control will need to be moved to new facilities.

SOCALGAS Response 03:

- a. Yes, they are the same.
- b. Gas Control is scheduled to move to the new facility in 2019, see SCG-23-CWP, page 20, 005653B.005 – Gas Control Facilities Relocation. In the capital workpapers, it was assumed that the incremental cost for moving facilities would be allocated between the years 2019, 2020 and 2021. SoCalGas is requesting that \$2MM of the \$10MM estimated be included in this GRC.
- c. When doing a cost analysis of the incremental cost needed for DOCC to move facilities with the existing Gas Control, SCG referenced workpapers created by the Facility Operations witness Carmen Herrera (Exhibit SCG-23) – which was provided to ORA in ORA-SCG-037-LMW Q5A, Excel file ORA-SCG-037-LMW_Data2.xlsx. In this file, Facility Operations provided the cost analysis for renovating a 14,634-square foot facility. It is estimated that the DOCC would require an additional 5,000-square feet. Using extrapolation from the Facilities document, the DOCC would require \$4,718,000 to establish an adequate facility for its operation. In addition to this cost, \$3,959,000 would be estimated for specialized Control Center equipment and related systems technology including physical security, servers, networking and audio-visual equipment for the control room, server room and for the backup facility. A ten percent contingency was projected for this cost which placed the incremental cost total to approximately \$10MM. Please see details on table below.

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SOCALGAS Response 03 Continued:

Line Item	Base Scope
01 - PROFESSIONAL DESIGN FEES	
01 - SUBTOTAL	\$527,880
02 - CONSTRUCTION COSTS	
03 - SUBTOTAL	\$520,292
04 - OWNER DIRECT COSTS	
04 - SUBTOTAL	\$884,567
05 - TECHNOLOGY	
510 - Media (Clear Tech Media)	\$46,544
520 - Security	\$131,543
530 - Control Room Hardware, Design, Installation	\$1,190,000
540 - Back-up Facility	\$865,800
550 - Server Room	\$1,725,000
05 - SUBTOTAL	\$3,958,887
PROJECT CONTINGENCY	
10.0% contingency	\$867,740.55
TOTAL DESIGN/BUILD-OUT COSTS	\$9,545,146
TOTAL PROJECT COSTS	\$9,545,146

- d. Please see testimony SCG-13-Gas Control and System Operations/Planning, Sec V - Support For Other Witnesses, sub section III (Carmen Herrera _ Facility Ops), Sub-part 2 , Pg DKZ-26, Line 17 through DKZ-27 Line 11, and sub section IV (Bermel _ Gas Major Projs), Sub-part 1 (DOCC) , Pg DKZ-27, Line 12 through DKZ-31 Line 3.