

**ORA DATA REQUEST
 ORA-SCG-154-YNL
 SOCALGAS 2019 GRC – A.17-10-008
 SOCALGAS RESPONSE
 DATE RECEIVED: MARCH 6 2018
 DATE RESPONDED: MARCH 22, 2018**

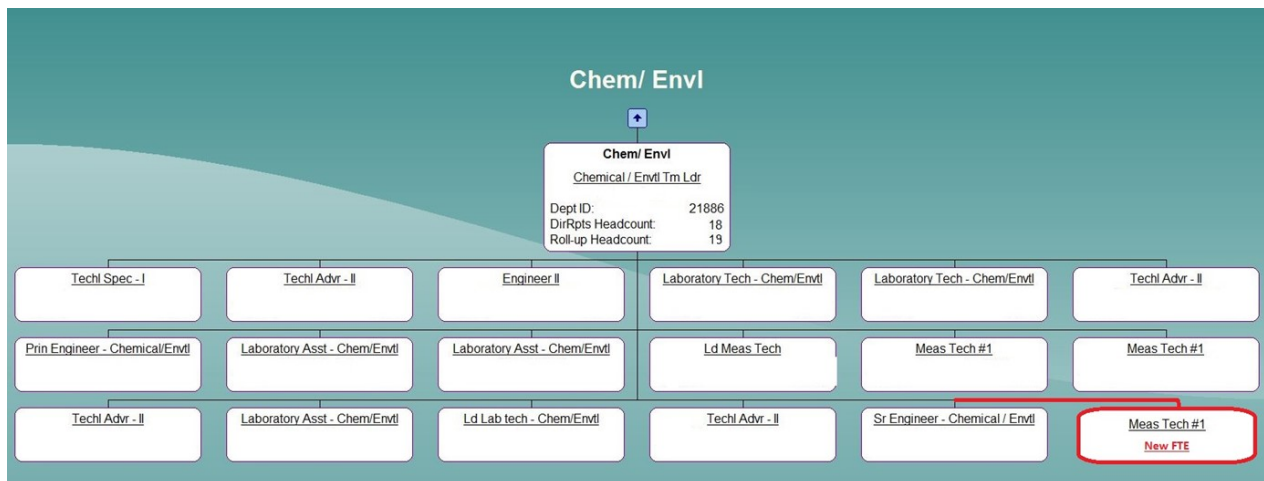
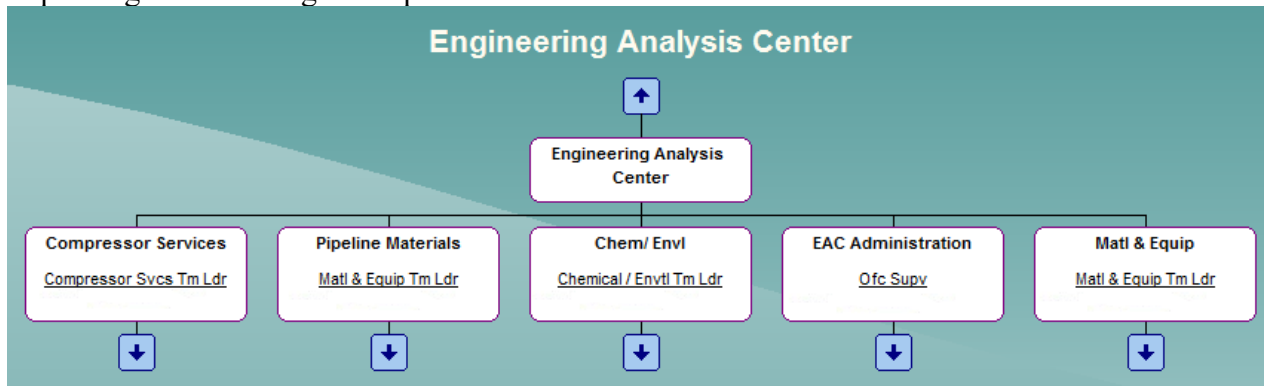
Exhibit Reference: SCG-09-WP-R; SCG-08-R
SCG Witness: Deanna R. Haines; Michael A. Bermel
Subject: Gas Engineering; Gas Major Projects

Please provide the following:

1. Referring to Ex. SCG-09-WP-R, p.127-128 of 153, SCG requests additional funding for one incremental FTE in 2017 and one management position in 2018. Please provide engineering analysis center’s current organization chart as well as proposed organization chart showing where the new FTE and manager would work and in the case of the proposed manager position who the manager will manage.

SOCALGAS Response 01:

The current Engineering Analysis Center organization chart is shown in the first image below, which includes the Chemical and Environmental (Chem/Envl) section. The second image depicts the organization within the Chemical and Environmental (Chem/Envl) section and shows a box labeled “Meas Tech #1, New FTE” where the one new position would appear on the organization chart. This new FTE is being requested for BTU Testing – Compliance. SoCalGas is not requesting a new management position.



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2. Referring to question above, please provide a total headcount of managers/supervisors and the number of personnel each manager/supervisor oversees. Please explain how a new management position will support biogas testing and monitoring and promote the use of RNG and why the current management would not be able to do so thereby requiring an additional management position.

SOCALGAS Response 02:

Please see response to Q1. SoCalGas is not requesting a new management position. With regard to the one new FTE being proposed in Ex. SCG-09-WP-R, p.127-128 of 153, the new FTE will support Engineering Analysis Center's Chem/Envl section. That section currently has one manager/supervisor who oversees 17 personnel (headcount). Of the 17 personnel (headcount), there are nine union-represented employees and eight management employees. The RNG-related incremental labor equaling one FTE is a combination of several employees whose incremental time is needed to support the sampling, laboratory, and management activities associated with supporting new biogas testing.

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3. Referring to Ex. SCG-08-R, p. 19-25, please provide the current status of Distribution Operations Control Center. Specifically, please provide a milestone timeline as well as the expected operational date.

SOCALGAS Response 03:

Please refer to SCG-08-CWP, page 17 of 56, table 1.

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4. Referring to SCG's response to data request ORA-SCG-132-YNL question 1.a:
 - a. Has SCG performed studies or any type of assessments to justify its request for thirty two additional personnel? If so, please provide supporting documentation.
 - b. Please provide a proposed organizational structure showing who the gas control manager, two distribution operations managers and six project managers will manage.
 - c. Is ORA correct to interpret SCG's response that 17 personnel in the first table are all management positions? If so, whom will they manage and how many people will they manage per manager?
 - d. Please justify the need for two SCADA advisors instead of one.
 - e. Please justify the need for two distribution operations managers instead of one.
 - f. Please justify the need for four project managers positions at \$137,946 salary instead of two. Please justify the need for two project managers positions at \$160,618 instead of one.

SOCALGAS Response 04:

- a. SoCalGas developed a Staffing Plan to identify the project requirements. Please see job descriptions and requirements below:

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SOCALGAS Response 04:-Continued

Positions	Job Responsibilities
SCADA Advisors	The SCADA advisors are needed to help facilitate bringing in the data reads from the field into the Gas Control SCADA System. SCADA advisors build and maintain the data, screens and functionalities for the control room operators. There are existing SCADA Advisors at Gas Control currently but they are needed to build and maintain the transmission and storage data and cannot dedicate the time needed to get the distribution control center functional. Two additional SCADA advisors are needed for this project and to maintain the distribution system post project.
PI Administrator	The PI Administrator is a new position needed at Gas Control to manage a new data historian that will be needed in order to bring EPM, core customer and non-core customer data into the control room. This position will be needed post project to help facilitate a connection that will allow SCADA data to be made available in the historian.
Gas Control Manager	A distribution Gas Control manager will be needed to manage the new SCADA Advisors, PI administrator and the distribution control room operators that will be hired under O&M to manage the operation tasks at the control center. This position will need to be kept post project
Distribution Operations Managers	Distribution operations managers will be needed to manage the fifteen (15) distribution instrument specialists that will be hired during and post project. We will need at least two (2) distribution operations managers, one (1) that will manage the IS personnel in SoCalGas and one (1) that will manage the IS personnel for SDG&E. These positions will be needed both during and post project.
Project Managers	We will need six (6) additional project managers in order to complete the DOCC Project. Three (3) project managers will be needed to get the control sites and the real-time monitoring sites installed, functional and able to communicate with Gas Control. Each PM will be in charge of two (2) of the six (6) distribution districts. There will need to be two (2) project managers in charge of construction in order to complete the installations needed in the given timeframe of the project. And one (1) project manager will be in charge of all of the hourly data being sent to Gas Control (EPMs, core and non-core). These positions will not be necessary once the project has reached completion.
Design Engineer	This position will be responsible for creating the as-built drawings and P&IDs necessary for construction of the real-time and control sites. This position will not be needed once the project has reached completion
Project Engineer	This position will work with the design engineer to help complete necessary drawings along with being the SME for control instrumentation and equipment needed for the real-time and control sites. This position will not be needed once the project has reached completion.
Field Support Advisor / Engineer	This position will be responsible for writing the field SCADA programs for the real-time and control sites along with performing factory acceptance tests, site acceptance tests and point to points with Gas Control. This position will be needed post project to provide programming support for distribution sites with RTUs.
Technical Advisors	For the new equipment that is installed in the field, maintenance work orders will need to be created to ensure that our equipment is safe, reliable and functional. These work orders will need to be made for each of the real-time and control sites. Two (2) technical advisors will be needed to make these implementations. These two (2) positions will not be needed when the job has come to a completion and all of the new field equipment is in The Company's maintenance system.
Dist. Instrument Specialists	Due to union classifications, an instrument specialist is needed to operate and maintain any RTUs in the field. As the real-time and control sites will be equipped with RTUs, an union instrument specialist will be needed in distribution, a job classification that currently exists in transmission and storage but not in distribution. In order to properly maintain all of the installed equipment during and post project, three (3) instrument specialists will be needed in each of the five (5) districts. This will result in fifteen (15) distribution instrument specialists.

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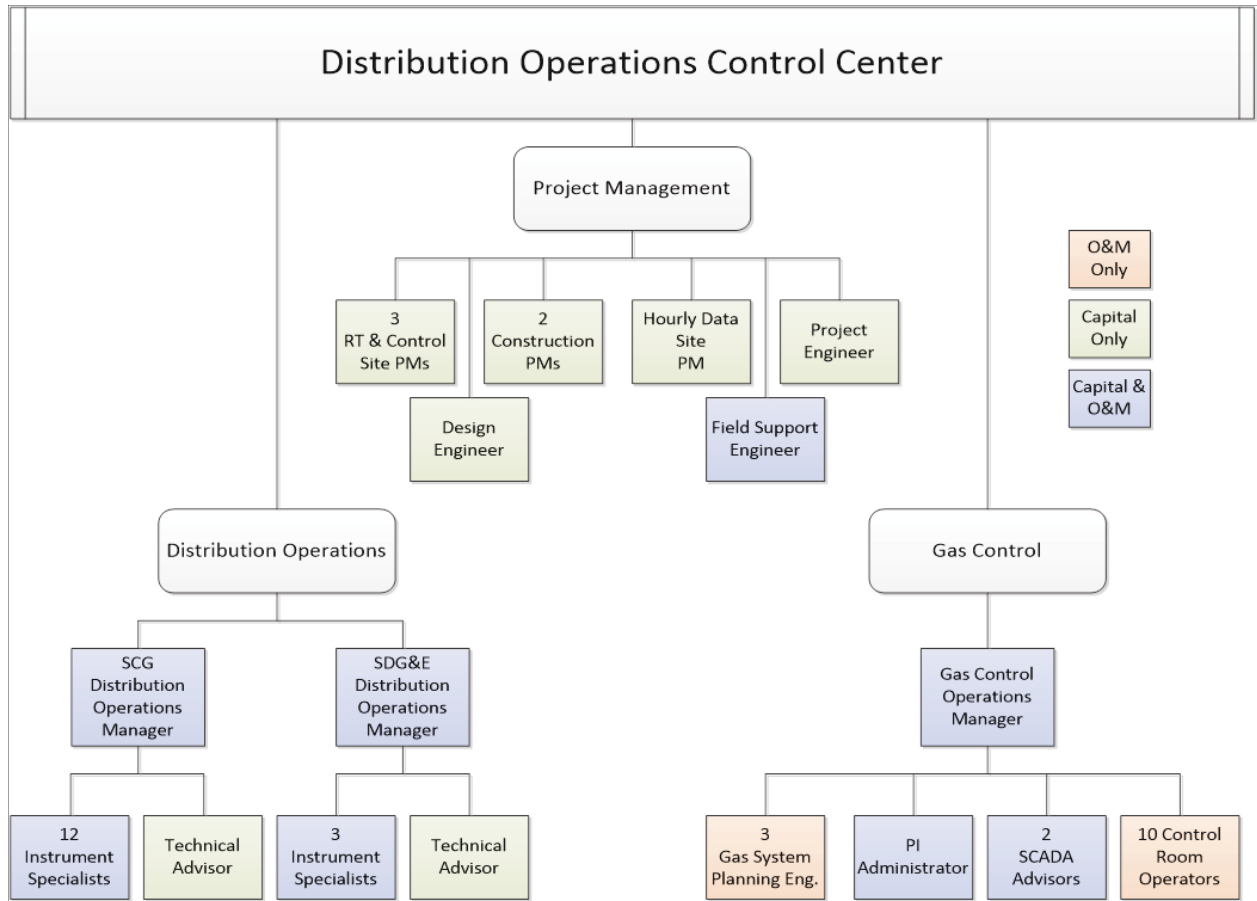
SOCALGAS Response 04:-Continued

O&M Only Positions
Distribution Control Center Operator
Distribution Control Center Operator
Distribution Control Center Operator
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Distribution Control Center Operator
Distribution Control Center Operator
Distribution Control Center Operator
Dist. Gas System Planning Engineer
Dist. Gas System Planning Engineer
Dist. Gas System Planning Engineer

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b.



- c. These 17 positions are considered “management” positions as opposed to union or technical professionals. The Gas Control Operations Manager and the Distribution Operations Managers will supervise other employees, the other 14 management resources will be responsible for their own work. Project managers are expected to manage contractors but they will not have other Company employees reporting to them. Please see the flow chart above.
- d. Two SCADA advisors are required to support the workload involved with the estimated 217 SCADA polled sites installed each year. The SCADA advisors will be responsible for creating SCADA tags, building operational displays and testing communication between the field devices and the Gas Control SCADA system for every data point being collected.
- e. Please see organization chart above. One distribution operations manager will oversee SoCalGas’ system and the other SGD&E’s.
- f. Please refer to response 4a above.

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5. Referring to Ex. SCG-08-R, p. 19-25, please explain how SCG performs the functions that the new DOCC will perform in the future, today. Please provide an organizational chart and total headcount, including who manages whom. Also, please explain why the current headcount is insufficient and SCG is asking for 32 additional personnel

Utility Response 05:

SoCalGas monitors its gas system as required by CFR Section 192.741 and CPUC General Order 112F. SoCalGas currently does not employ SCADA equipment on its distribution system. Regarding the distribution system specifically, SoCalGas currently employs electronic pressure monitoring equipment to support these efforts. This equipment includes devices that collect hourly minimum, maximum and average pressure data and transmit that data to Controllers once per day. Additionally, these devices can provide an alarm to SoCalGas' region engineering and dispatch personnel for review and follow up.

The DOCC is a new functionality that will be added to SoCalGas' and SDG&E's distribution systems. Please see response 4a and 4b for details on personnel requirements.