

**ORA DATA REQUEST**  
**ORA-SCG-092-OE2**  
**SOCALGAS 2019 GRC – A.17-10-008**  
**SOCALGAS RESPONSE**  
**DATE RECEIVED: JANUARY 22, 2018**  
**DATE RESPONDED: FEBRUARY 9, 2018**

**Exhibit Reference:** SCG-05-R  
**SCG Witness:** Omar Rivera  
**Subject:** Gas System Integrity

**Please provide the following:**

1. Referring to Ex. SCG-05-R testimony, page OR-26, lines:1-31:
  - a) Please list all the centralized and decentralized technical skills trainings you currently have in place.
  - b) Referring to Lines 5-7, currently, are there any new compliance-driven qualifications and certifications? If the answer is yes, please list them and state the date these requirements were instituted or will commence.
  - c) Referring to Lines 17-22, what recent changes to General Order 112-F are you referring to here? Please state the dates the changes were made and implemented.
  - d) Referring to Lines 29-31, please state the date when SoCalGas established Advanced Meter technology. How has this impacted the training requirements for technicians and Leads?

**SoCalGas Response 1:**

- a) Please see the table below for a list of trainings currently in place:

Cardiopulmonary Resuscitation (CPR) Respirator Training <ul style="list-style-type: none"><li>• Respirator Fit Testing/Full Face</li></ul> Backhoe Operation Barricading & Flagging work areas Class A Driver (Operation) Construction Technician Phase I Construction Technician Phase II Construction Technician Phase III Defensive Driving coursework and refresher Decto Pac-Infrared (DRIR) Energy Technician Distribution (ETD) Use of a fire extinguisher (Firefighting/ Stop Cock) Forklift Field operation Lead Construction Technician (LCT) Leak Survey (High Pressure & medium pressure Leak Survey) Optical Methane Detector (OMD) operation Project planner Training
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**SoCalGas Response 1: -Continued**

Radiodetection (RD) 8100 operation  
Refresher Construction Technician  
Refresher Lead Construction Technician  
Remote Methane Leak operation  
Welding Inspection  
Welding Inspection Requalification  
Meter & Regulation I  
Meter & Regulation II  
Meter & Regulation Lead  
Refresher Meter & Regulation I  
Refresher Meter & Regulation II  
Area Resource Scheduling Organization Dispatch  
Area Resource Scheduling Organization Dispatch Cross Training  
Cross Training District Operation Clerk  
New User Dispatch  
New District Operation Clerk  
Work Order Control Clerical  
Work Order Control Clerical Construction Planning and Design  
System Protection Overview  
CP Initial  
CP Advanced  
System Protection Technician  
Crane Hoist Train the Trainer  
Defensive Driving Train the Trainer  
Distribution 101  
First Responder  
Forklift Train the Trainer  
Large Pressure Supervisor  
Field Planning Associate  
Pipeline Planning Assistant Sketching and Gas Maintenance  
Station Assistant  
Graphic Work Design Sketching Contractor  
Graphic Work Design Sketching Planner  
Lead Planning Associate  
New Business for Lead Planning Associate / Field Planning Associate  
Planning Associate  
Planning Associate Contractor  
Pipeline Planning Assistant  
Systems, Applications and Products (SAP) General Access

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**SoCalGas Response 1: -Continued**

Above Ground Transmission  
Communications  
Crane Certification  
Daniel Gas Chromatograph  
Fire Fighting  
Instrument Specialist, Basic  
Instrument Specialist, Initial  
Line Break  
Measurement Specialist  
Pipeline Specialist  
Pipeline Technician  
Project Training Transmission  
Station Maintenance Specialist  
Station Technician  
Strength Testing Field Employee  
Strength Testing for Management  
TotalFlow Gas Chromatograph  
4-inch Acetylene Welding  
4-inch Butt Fusion/Electro Fusion (plastic pipe)  
6-inch 8-inch Butt Fusion (plastic pipe)  
Contractor 2-4 Butt Fusion (plastic pipe)  
Contractor 6 & 8 Butt (plastic pipe)  
Contractor Applicant Installer  
Contractor Electro Fusion  
Contractor High Stress Shield Metal Arc  
Contractor Oxy Fuel Welding  
Contractor Poly Socket  
Contractor Radiograph  
Contractor Small Pressure Control Train the Trainer  
Electro Fusion  
High Stress Metal Arc  
Large Pressure Control I  
Large Pressure Control II  
PE Plastic Fusion  
Pin Brazing  
Pipe Layout  
Requalification - Out of Date  
Requalification / Operator Qualification

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**SoCalGas Response 1: -Continued**

- b) The new compliance-driven qualifications are the requirements set forth by General Order (GO) 112-F, which was effective January 1, 2017. Please see the response to Question 1.c for more details in regard to the changes.
- c) Referring to Lines 17-22, the recent changes to GO 112-F are regarding the Operator Qualification (OpQual) program. The work method that continues to be enhanced is the suspension and disqualification process. This process logs and assesses when an employee needs to be evaluated for an OpQual covered task, and the record keeping of qualifications for equipment or facilities used for OpQual covered tasks. The communication of GO 112-F changes, tracking, and record keeping was implemented on January 1, 2017.
- d) Advanced Meter (AM) technology was established in a phased approach introduced in 2013 with the Single Port Meter Transmission Unit (MTU). Effective November 2017, training for ongoing delivery and curriculum has been centralized, whereas in the past, it was managed by the Advanced Meter organization.

AM technology has increased the amount of training hour requirements for the Meter and Regulator technicians and leads. Due to the new curriculum, the courses have incorporated an additional 40 hours of classroom time, which include training on the following:

The Meter &Regulator II classification absorbed the following Advanced Meter technology & training:

- Advanced Meter Single Port MTU, Advanced Meter Dual Port MTU;
- Eagle Electronic Corrector (EC);
- Advanced Meter Non-Core MTU - Comprehensive

The Meter &Regulator I classification absorbed the following Advanced Meter technology & training:

- Advanced Meter Non-Core MTU – Overview

The Meter &Regulator Lead classification absorbed the following Advanced Meter technology & training:

- Advanced Meter Non-Core MTU-Light Overview;
- Advanced Meter Non-Core HeadEnd

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2. Referring to Ex. SCG-05-R testimony, page OR-27, lines: 6-9: Please provide One-Call ticket volume data from 2012 to 2017.

**SoCalGas Response 2:**

<b>Year</b>	<b>No. of USA Tickets SCG Distribution</b>	<b>No. of USA Tickets SCG Transmission</b>
2012	534,174	110,029
2013	577,524	113,119
2014	640,677	120,982
2015	650,858	108,597
2016	627,116	100,093
2017	611,571*	100,141*

\*Please note the ticket count for 2017 is through November 30, 2017.

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3. Referring to Ex. SCG-05-R testimony, page OR-28, lines:22-31: What job position/department in your organization currently handles the function of a Cathodic Protection Technical Advisor?

**SoCalGas Response 3:**

The Cathodic Protection Technical Advisor is a newly created job role. No job position/department currently handles this function.

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4. Referring to Ex. SCG-05-R testimony, page OR-29, lines:1-14: The SB 661 Bill was approved on the 29th of September, 2016. Please provide data that shows an increase in the number of Locate and Mark activities SoCalGas has had to carry out since it was approved till present.

**SoCalGas Response 4:**

	<b>2016</b>	<b>2017</b>	<b>% Increase vs. 2016</b>
<b>Total Locate &amp; Mark Tickets</b>	726,769	770,027	5.95%

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5. Referring to Ex. SCG-05-R testimony, page OR-29, lines:15-31: Was a request for a clerical instructor or a job role similar to a clerical instructor made in the 2016 GRC? Is this a full time or part time position?

**SoCalGas Response 5:**

The Instructors for Formal Clerical Training will be a full-time position. There was a similar request made in the 2016 GRC (A.14-11-004) in the testimony of Frank Ayala, Exhibit SCG-04 under the Gas Distribution Operations Management & Training activity, at page FBA-61. That request was for 3 FTEs at a total of \$321,000; ORA had recommended against these positions (Exhibit ORA-10 at page 20, 26 and 27, recommending \$0. D.16-06-054 at page 231, while noting SoCalGas' Gas Distribution overall request and ORA's recommended counterproposal, adopted the settlement of \$134.887 million without specifically addressing those requested positions.



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6. Referring to Ex. SCG-05-R testimony, page OR-25, Table OR-8:
- a. Please provide Shared and Non-Shared detailed active excel spreadsheet with a breakdown of each of the cost components stated in this category. For example, costs should be granular enough to show all the incremental elements such as the following: Locate and Mark Trainer, Clerical Instructor, Cathodic Protection Technical Advisors, etc.
  - b. Please represent the data in Question 6a with the RAMP component of the costs separately.

**SoCalGas Response 6:**

- a. The data in the table below can be transferred into a spreadsheet:

	2017 (000s)	2018 (000s)	2019 (000s)
Technical Specialist for Modernization of Training Materials	\$ 300	\$ 700	\$ 1,050
Situation City Enhancements	\$ 150	\$ 250	\$ 250
Classroom Technology	\$ 21	\$ 250	\$ 500
Cathodic Protection Technical Advisor	\$ 240		
Employee Collaborative Training Program	\$ 125	\$ 750	\$ 1,000
Locate and Mark Trainer		\$ 105	\$ 210
High Pressure Technical Advisor		\$ 105	\$ 210
Instructors for Formal Clerical Training		\$ 105	\$ 210
Compliance Assurance Technical Advisor		\$ 210	\$ 210

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**SoCalGas Response 6:-Continued**

b.

	2017 (000s)	2018 (000s)	2019 (000s)
RAMP component of costs			
Technical Specialist for Modernization of Training Materials	\$ 300	\$ 700	\$ 1,050
Situation City Enhancements	\$ 150	\$ 250	\$ 250
Cathodic Protection Technical Advisor	\$ 240		

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7. Referring to Ex. SCG-05-R testimony, page OR-37, Lines 5-12:

- a) Please state the number of OME audits carried out in 2016.
- b) Please state the date API RP 1173 was implemented.

**SoCalGas Response 7:**

- a) There was one OME audit in 2016.
- b) API 1173 implementation is currently in the planning stages.

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8. Referring to Ex. SCG-05-R testimony, page OR-40, Lines 12-16: Please state the dates 49 C.F.R. 192.616 and API RP 1162 were implemented.

**SoCalGas Response 8:**

49 C.F.R. 192.616 was implemented in June 2006 and API RP 1162 was implemented in December 2003.

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9. Referring to Ex. SCG-05-R testimony, page OR-52, Lines 15-19:
- a) Please provide a list of these 57 reportable incidents, with a brief description.
  - b) How many reportable incidents did you record for 2016 and 2017?
  - c) What recent changes to General Order 112-F are you referring to here? Please state the dates the changes were made and implemented.

**SoCalGas Response 9:**

- a) Upon review of the count of incidents, it was found that a column heading was included in the incident counts. The correct count is 56 and a description of each can be found below.

Utility	Summary
SCG	Multiple area odor reports. No gas facilities were involved. (New GO 112-F definition of Public Attention)
SCG	Multiple area odor reports. No gas facilities were involved. (New GO 112-F definition of Public Attention)
SDG&E	Operator struck a steel gas service causing a release of gas. Incident was reported due to media coverage.
SCG	Received area odor complaint in surrounding area. Not Natural Gas (New GO 112-F definition of Public Attention)
SCG	Multiple area odor reports. No gas facilities were involved. (New GO 112-F definition of Public Attention)
SCG	Multiple area odor reports. No gas facilities were involved. (New GO 112-F definition of Public Attention)
SCG	Water intrusion into the gas pipeline system occurred at customers service. Water traveled within an isolated area of the pipeline system causing outages to multiple customers. Reported incident to CPUC due to Under Pressure condition. (New GO 112-F reporting criteria of under pressure)
SCG	Local Fire Department closed meter due to possible gas odor in the building. This incident was reported to the CPUC due to Under-Pressure condition. (New GO 112-F reporting criteria of under pressure)
SCG	A code one leak was identified and repairs were completed. Reported due to media coverage.

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**SoCalGas Response 9:-Continued**

SCG	A vehicle lost control driving into garage wall. The wall was pushed outward against the customers MSA bending the riser. Reported due to media coverage.
SCG	Pressure limiting valve triggered on single customer MSA resulting in a loss of service. Reported to the CPUC due to under pressure condition (New GO 112-F reporting criteria of under pressure)
SCG	Explosion was reported by the Fire Dept. One individual was injured and transported by ambulance to the hospital. This incident was reported to both DOT/PHSMA and CPUC due to gas leakage with injuries and damages potentially exceeding \$50,000.
SCG	Heavy water flow from the rains uncovered a PE service line causing a leak. This incident was reported due to media coverage.
SCG	Tree fell over and the roots of the tree pulled on the ¾" steel gas service causing a gas leak. In closing the valves and squeezing the main, residential customers were out of gas. This incident was reported due to media coverage.
SCG	Multiple area odor reports in the area. No natural gas involvement. (New GO 112-F definition of Public Attention)
SCG	Received odor complaints from the area. Determined to be Natural Gas from facility conducting venting of natural gas during maintenance work. (New GO 112-F definition of Public Attention)
SCG	Contractor struck a 1-inch plastic service causing a release of gas. Reported due to media coverage.
SCG	Received odor complaints from the area. Determined to be Natural Gas from facility conducting venting of natural gas during maintenance work. (New GO 112-F definition of Public Attention)
SCG	Received odor complaints from the area. Determined to be Natural Gas from facility conducting venting of natural gas during maintenance work. (New GO 112-F definition of Public Attention)
SCG	Customer lost service due to pressure limiting valve failing closed due to freezing conditions. (New GO 112-F reporting criteria of under pressure)

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**SoCalGas Response 9:-Continued-Continued**

SCG	A regulator disk ruptured causing one customer outage. (New GO 112-F reporting criteria of under pressure)
SCG	A fire causing damage to the roof which fell onto the MSA, and resulted in a release of gas. Reported due to media coverage.
SCG	A mudslide resulted in mud and debris to burying the meter set assembly. Reported due to media coverage.
SCG	A customer lost service due to a suspected EFV malfunction. This incident is being reported per under pressure reporting requirements. (New GO 112-F reporting criteria of under pressure)
SCG	An under-pressure condition was discovered on a single customer service. (New GO 112-F reporting criteria of under pressure)
SCG	Crew responded to a leak and made repairs to a service. Service to the customer was not tie in as a result of the repairs. This incident was reported to CPUC when SoCalGas became aware of the under-pressure condition. (New GO 112-F reporting criteria of under pressure)
SCG	Received odor complaints in the general area. Not natural gas. (New GO 112-F definition of Public Attention)
SCG	A system under-pressure condition occurred due to a broken pressure limiting valve disk. This incident was reported to CPUC due to an under-pressure condition. (New GO 112-F reporting criteria of under pressure)
SCG	A main replacement occurred on 3-inch plastic main. After the work was completed, customers within and south of the project area reported outages. This was reported to CPUC due to an under-pressure event. (New GO 112-F reporting criteria of under pressure)
SCG	Fire Department reported gas leak likely caused by leaking water main. This incident was reported due to media coverage.
SDG&E	Reports of gas odor in the vicinity. Odor was Natural Gas related to PSEP blow down (New GO 112-F definition of Public Attention)

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**SoCalGas Response 9:-Continued**

SCG	Received calls concerning gas odor in vicinity. Determined that contractor had damage a gas main and crews were on scene repairing. (New GO 112-F definition of Public Attention)
SDG&E	Planned blow down of a transmission line for PSEP reported due to media showing up on site associated with planned gas release. Additionally, SDG&E received odor complaint calls from neighboring communities due to the planned blow down.
SDG&E	A tree landed on an apartment building and caused damage to the service riser. Reported due to media coverage.
SCG	Fallen tree damaged service riser resulting in gas blowing. Reported due to media coverage.
SCG	Contractor was digging struck a plastic service pipeline causing a gas leak. Reported due to media coverage.
SCG	A vehicle struck a house and meter causing a gas leak. Reported due to media coverage.
SCG	Gas leak reported due to damage cost exceeding \$50,000.
SCG	Contractor struck gas main causing a release of gas. Reported due to media coverage.
SCG	Received odor complaints in the general area. No natural gas involvement. (New GO 112-F definition of Public Attention)
SCG	Received odor complaints in the general area. No natural gas involvement. (New GO 112-F definition of Public Attention)
SCG	Electronic high-pressure alarm due to vehicle struck regulator station reported due to line pressure exceeding MAOP. (New GO 112-F reporting criteria of overpressure)
SDG&E	Contractor struck steel service causing a release of gas. Reported due to media coverage.
SDG&E	A tree removal service severed steel gas service. USA was not notified prior to the contractor beginning removal of the tree stump at the damage location. Reported due to media coverage.
SCG	Area odor complaint. No leak indications were discovered. (New GO 112-F definition of Public Attention)
SCG	Received area odor reports in the general area. No natural gas involvement. (New GO 112-F definition of Public Attention)
SCG	Reported area odor in the general area. No natural gas involvement. (New GO 112-F definition of Public Attention)



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**SoCalGas Response 9:-Continued**

SCG	An explosion at the address reported due to potential of gas involvement; later determined gas was not involved.
SCG	Falling debris damaged regulator causing a leak and ignited the gas. Reported due to media coverage.
SCG	Received area odor calls in the general area. No gas facilities involved. (New GO 112-F definition of Public Attention)
SCG	A vehicle hit water and gas services. No damage resulted from the escaping gas. This incident was reported due to media coverage.
SCG	Area odor reported in the general area. No gas company facilities were found to be involved. (New GO 112-F definition of Public Attention)
SCG	Received odors complaints in the general area. Odor determined to be petroleum not Natural Gas. (New GO 112-F definition of Public Attention)
SCG	Received odors complaints in the general area. Not natural gas. (New GO 112-F definition of Public Attention)
SCG	Received odors complaints in the general area. Not natural gas. (New GO 112-F definition of Public Attention)
SCG	Received odors complaints in the general area. Not natural gas (New GO 112-F definition of Public Attention)

b) 95 incidents were reported to CPUC for 2016 and 247 incidents were reported for 2017.

c) The recent changes to General Order (GO) 112-F are as follows:

- GO 112-F added in section 105-Definitions the definition of “Public Attention means any event that escalates to a level that initiates calls/complaints concerning a common safety concern being submitted to an Operator from 10 or more individuals or organizations. This can include, for example, large scale reports of the smell of gas by customers in the vicinity of an Operator’s gas facilities. Public Attention criterion does not necessarily include an individual, or a crowd of persons, watching work being performed on company facilities.”

Adding this definition as 10 or more individuals reporting an event changed the already existing language under 122.2 2. Incidents which have either attracted public attention or have been given significant news media coverage, that are suspected to involve natural gas and/or propane (LPG) gas, which occur in the vicinity of the Operator's facilities; regardless of whether or not the Operator's facilities are involved.

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**SoCalGas Response 9:-Continued**

121 reported events were due to the Public Attention criteria alone.

- GO 112-F also added new reporting criteria in section 122.2 3. Incidents where the failure of a pressure relieving and limiting stations, or any other unplanned event, results in pipeline system pressure exceeding its established Maximum Allowable Operating Pressure (MAOP) plus the allowable build up set forth in 49 CFR § 192.201. and 122.2 4. Incidents in which an under-pressure condition, caused by the failure of any pressure controlling device, or any other unplanned event other than excavation related damage, results in any part of the gas pipeline system losing service or being shut-down.

The changes were made and implemented as of January 1, 2017.

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10. Referring to Ex. SCG-05-R testimony, page OR-56, Lines 21-30: Please provide a list of USA tickets for the last 6 years from 2012 to 2017.

**SoCalGas Response 10:**

Please see response to Question 2.

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11. Referring to Ex. SCG-05-R testimony, page OR-57, Lines 15-17: Please provide data to support the 60% of excavation damages stated here.

**SoCalGas Response 11:**

Approximately 1,670 damages out of approximately 2,800 damages in 2015 were a result of the excavator's failure to notify USA before digging. This equated to 59.64% rounded to 60% of the damages with no USA ticket.

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12. Referring to Ex. SCG-05-R testimony, page OR-58, Lines 5-6:

- a) How many FTEs do you currently have supporting the Dig-In Prevention Program?
- b) Will the 8 FTEs stated here cover both SoCalGas and SDG&E territories?

**SoCalGas Response 12:**

- a) Currently, there are 4 FTEs supporting the Dig-In Prevention Program.
- b) The 8 FTEs will cover both SoCalGas and SDG&E territories. As a shared-service cost center, this cost will be allocated between SoCalGas and SDG&E as shown in the associated workpapers Exhibit SCG-05-WP at page 137.

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13. Referring to Ex. SCG-05-R testimony, page OR-64, Lines 10-12: Please provide a detailed description of what are the “new and unique work management and database development”.

**SoCalGas Response 13:**

The new and unique work management and database development pertains to the project management, application and database development, and system support activities to deploy comprehensive Records and Document Management solutions. These solutions will be used for High Pressure Construction Planning, Design, Reconciliation, Material Traceability, and Field Inspections Data Collection in the Distribution, Transmission and Storage organizations.