

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.1. With regard to the workpapers of R. Stanford, No. SCG-07-CWP at page 9:

4.1.1. Would a transmission line running from Taft to Gaviota be functionalized as backbone transmission or local transmission?

SoCalGas Response:

A new transmission pipeline from the Taft area to Orcutt, as described in our application, would be classified as a backbone transmission pipeline.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.2. With regard to the workpapers of R. Stanford, No. SCG-07-CWP at page 15:

4.2.1. What is the diameter of Line 2001 in the section that SoCalGas would propose to loop between Chino and Moreno?

SoCalGas Response:

Line 2001 between Chino and Moreno is primarily a 30-inch diameter pipeline.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.2.2. Did SoCalGas consider looping Line 2000 between Prado and Moreno as an alternative to the looping of Line 2001 between Chino and Moreno?

SoCalGas Response:

SoCalGas has not considered looping Line 2000 between Prado and Moreno as an alternative to the looping of Line 2001 between Chino and Moreno.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE

DATE RECEIVED: APRIL 13, 2015

DATE RESPONDED: APRIL 28-29, 2015

- 4.2.3 If the answer to the previous question is “yes,” please provide:
- 4.2.3.1 The diameter and length of the transmission line that would loop Line 2000 between Prado and Moreno
 - 4.2.3.2 The capital cost of the transmission line
 - 4.2.3.3 The typical current pressure loss when flowing supply from Prado to Moreno
 - 4.2.3.4 The projected typical pressure loss when flowing supply from Prado to Moreno, assuming that Line 2000 is looped from Prado to Moreno
 - 4.2.3.5 The increased supply that would be expected to be deliverable to Moreno if Line 2000 were looped from Prado to Moreno
 - 4.2.3.6 Did SoCalGas consider looping both Line 2000 between Prado and Moreno and Line 2001 between Chino and Moreno?
 - 4.3.3.7 If the answer to previous question were “yes,” what would be the increased deliveries to Moreno that would be associated with the simultaneous looping of the lines?

SoCalGas Response:

Not applicable

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.2.4 If the answer to question 4.2.2 is “no,” please explain in detail why SoCalGas does not consider looping Line 2000 between Prado and Moreno to be an alternative to looping Line 2001 between Chino and Moreno.

SoCalGas Response:

SoCalGas selected Line 2001 for looping because part of Line 2001 is already looped with 36-inch diameter Line 5000 in some areas. The Line 2001/Line 5000 looping did not, however, fully cover the area between Chino and Moreno. In this GRC cycle, SoCalGas is requesting approximately 7.5 miles of right-of-way acquisition in anticipation of construction to extend the Line 2001/Line 5000 looping between Chino and Moreno and enhance reliability. Further, because Chino Station is upstream of Prado Station, Chino has higher available pressure than Prado Station and minimizes pressure losses.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.2.5 Please describe all other alternatives to looping Line 2001 between Chino and Moreno.

SoCalGas Response:

At this time, SoCalGas has not identified other alternatives to looping Line 2001 between Chino and Moreno.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.3. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 9:

4.3.1. Please identify each compressor by number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

Please refer to Table 1 below:

Table 1: Compressor Stations Blanket Projects			
Station	Asset #s	Equipment	Work Completed
Aliso Canyon	K-4 and K-5	Coolers	Coolers Removed
Aliso Canyon	Spare TDC Units	Lube Oil Meters	Installation
Aliso Canyon	KVS 1 - 5	PLC/unit Control Panels	Replacement/Upgrades
Aliso Canyon	KVS 1 - 5	Compressor/Engine	Work Completed
Aliso Canyon	K-25, K-26, K-27	Engine	Engine Overhauled
Aliso Canyon	Spare	PT Annulus	Unit Upgraded /Reflanged
Aliso Canyon	KVS 1 - 5	Compressors	Replaced Packing
Aliso Canyon	KVS 1 - 5	KVS Air start system	Replacement/Upgrades
Aliso Canyon	KVS 1 - 5	Compressor/Engine	Upgrades
Aliso Canyon	K-5	Compressor	Overhaul
Aliso Canyon	K-25 - 27	PT Casing	Overhaul
Aliso Canyon	K-25	Bearings	Equipment purchase
Aliso Canyon	KVS 1 - 5	Compressor Suction line	Material Purchase
Aliso Canyon	K-27	Compressor	Compressor Overhaul
Aliso Canyon	D-217	Emergency Generator	Permitting
Aliso Canyon	K-25, K-26, K-27	Engine	Engine Overhauled
Aliso Canyon	K-2	Compressor	Engine Overhauled
Honor Ranch	MU 1	Compressor Exhaust	Modified exhaust manifold
Honor Ranch	MU 1-5	Compressor engine	Refurbish compressor engine heads
Honor Ranch	MU 1-5	Compressor engine	Refurbish compressor engine heads
Honor Ranch	MU	Compressor turbocharger	Overhaul turbocharger
Honor Ranch	MU 1-5	Compressors	Replace vibration sensors
Honor Ranch	MU 1-5	Compressors	Replace monitoring computers
Honor Ranch	MU #1	Compressor/Engine	Overhaul
Honor Ranch	MU #1	Compressor valves	Replace 8 valve actuators
Honor Ranch	MU 1-5	Compressor engine	Refurbish compressor engine heads
Honor Ranch	MU	Compressor	Overhaul turbocharger
Honor Ranch	Wet Gas 3	Compressor	Install electric compressor skid
Honor Ranch	MU 1, 3, 4 & 5	Compressor valves	Replace compressor bypass valves
Honor Ranch	MU 1, 3, 4 & 5	Compressor valves	Installed valve actuators
Honor Ranch	MU 1-5	Compressor engine exhaust	Install gate valves

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE**

**DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

Response to Question 4.3.1 (Continued)

Station	Asset #s	Equipment	Work Completed
Honor Ranch	MU 1	Compressor	Overhaul compressor and engine
Honor Ranch	MU 1-5	Compressor engine	Refurbish compressor engine heads
Honor Ranch	MU 1-5	Compressor engine	Modified oil supply system
Honor Ranch	MU #3	Compressor/Engine	Overhaul
Playa Del Rey	C-13 and C-14	Air Compressors	As-built P&IDs
Playa Del Rey	CB-6, CB-8, CB-9	Compressor Building	Installed TM room monitor to main building fire alarm
Playa Del Rey	Wet Gas	Compressor/Engine	Rental Unit for demonstrating concept
Playa Del Rey	CB-6, CB-8, CB-9	Coolers	Rewire electrical conduits & panels
Playa Del Rey	CB-6, CB-8, CB-9	Engine	Installed electric controlled valves on air distributor system
La Goleta	MU 1 -9	Jacket Water Piping	Piping replacement
La Goleta	MU 1 -9	Lube Oil Tanks	Piping installation
Aliso Canyon	K-26	Gearbox	Gearbox install
Aliso Canyon	KVS 1 - 5	Gearbox	Equipment Purchase
Aliso Canyon	KVS 1 - 5	Turbo	Equipment Purchase
Aliso Canyon	KVS 1 – 5 and TDC Units	CEMS	Generate a PO
Honor Ranch	MI-E-600A thru 601E	Gas Coolers	Replaced motors and added soft starts
La Goleta	Compressor Building	Building Electrical System	Conduit and wiring

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

- 4.3.2. Please state the items of equipment that were replaced/upgraded/overhauled or repaired, specifying which activity actually took place, at each of the compressors identified in the response to the previous question.

SoCalGas Response:

Please reference Table 1 above.

**SCGC DATA REQUEST
 SCGC-SCG-DR-04
 SOCALGAS 2016 GRC – A.14-11-004
 SOCALGAS RESPONSE
 DATE RECEIVED: APRIL 13, 2015
 DATE RESPONDED: APRIL 28-29, 2015**

4.3.3. Please state the cost associated with the work completed in 2014 by compressor number and storage field identified in the response to question 4.3.1.

SoCalGas Response:

Analysis to this level of detail is not available. Please reference Table 2 below for the 2014 adjusted-recorded expenditures.

Table 2: 2014 Adjusted-Recorded Capital Expenditures		
Grouping	Description	Total
00411A.000	Gas Storage - Compressor Station	\$1,597
00411B.000	Gas Storage - Compressor Station	\$10,261
004120.000	Storage Wells	\$2
00412A.000	Wellhead Valve Replacements	\$1,380
00412B.000	Well Tubing Replacements	\$3,522
00412C.000	Wellhead Leak Repairs	\$483
00412D.000	Well Innerstring Installations	\$25
00412E.000	Wells - Submersible Pump Replacements	\$153
00412J.000	Well Replacements	\$18,039
00412N.000	Well Plug & Abandonments	\$2,579
00412U.000	Storage Integrity Management Program	\$2,796
00412V.000	Cushion Gas Purchase	\$1,910
00412W.000	Wells Blanket	\$431
00413A.000	Aliso Canyon Valve Replacement	\$890
00413B.000	Aliso Pipe Bridge Replacement	\$86
00413D.000	Aliso Injection System de-bottlenecking	\$35
00413E.000	Aliso Canyon - Piping Improvements	\$515
00413L.000	Gas Storage - Pipelines - Blanket	\$1,220
00414B.000	Aliso Canyon Dehydration Upgrades	\$2,317
00414E.000	Honor Rancho Dehydration Upgrades	\$5,866
00414F.000	Goleta Dehydration Upgrades	\$1,023
00414J.000	Storage - Purification - Blanket	\$4,644

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

Response to Question 4.3.3 (Continued)

Grouping	Description	Total
00419A.000	Aliso Canyon - Central Control	\$1,379
00419E.000	Aliso Canyon - Main Plant Power	\$71
00419F.000	Aliso - Sesnon Gathering Plant	\$15
00419M.000	Gas Storage – Auxiliary Equipment -	\$9,829
Total		\$71,069

**SCGC DATA REQUEST
 SCGC-SCG-DR-04
 SOCALGAS 2016 GRC – A.14-11-004
 SOCALGAS RESPONSE
 DATE RECEIVED: APRIL 13, 2015
 DATE RESPONDED: APRIL 28-29, 2015**

4.3.4. Please identify each compressor by number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, please reference Table 3 below for projects in progress.

Table 3: Compressor Stations Blanket Projects			
Station	Asset Description	Equipment	Work Completed
Aliso Canyon	K-4 and K-5	Coolers	Installation of Coolers
Aliso Canyon	KVS 1 - 5	KVS Air start system	Replacement/Upgrade
Aliso Canyon	KVS units	Auxiliary Pumps	Replacement/Upgrade
Aliso Canyon	K-27	Compressor	Bundle Overhaul
Aliso Canyon	Field Emergency Generators	D-215, D-217, D-218, D- 219	In Progress - AQMD Permit
Aliso Canyon	K-25, K-26, K-27	Engine	Overhaul
Aliso Canyon	K-2	Compressor	Overhaul
Aliso Canyon	K-25, K-26, K-27	Silencer/Exhaust stack	Engineering/Fabrication
Honor Ranch	MU 1	Compressor Exhaust	Modified exhaust manifold
Honor Ranch	MU 3	Compressor Engine	New pistons
Honor Ranch	Wet Gas 3	Compressor	Install electric compressor skid
Honor Ranch	MU 1, 3, 4 & 5	Compressor valves	Installed valve actuators
Honor Ranch	MU 1-5	Compressor engine exhaust	Install waste gate valves

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE**

**DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

Response to Question 4.3.4 (Continued)

Station	Asset Description	Equipment	Work Completed
Honor Ranch	Wet Gas 1	Compressor	Overhaul engine and compressor
Honor Ranch	MU 1-5	Compressor engine	Refurbish compressor engine heads
Honor Ranch	MU 1-5	Compressor engine	Modified oil supply system
Honor Ranch	MU 1-5	Compressor engine	Refurbish compressor engine heads
Honor Ranch	MU 3	Compressor	Overhaul compressor and engine
Honor Ranch	Main Units	Compressor engine	Refurbish compressor engine heads
Honor Ranch	Compressor Building	Compressor Building	Replace floor plates
Honor Ranch	Compressor Building	Compressor Building	Replace lighting with LED
Playa Del Rey	C-13 and C-14	Air Compressors	Install measurement instruments
Playa Del Rey	New Unit	Compressor Skid	Design
La Goleta	All Main Compressor Units	Jacket Water Piping	Piping replacement
La Goleta	All Main Compressor Units	Lube Oil System	As-Builts
Aliso Canyon	K-26	Gearbox	Replaced
Aliso Canyon	All KVS Units	Gearbox	Available Spare Unit
Aliso Canyon	All KVS and TDC Units	CEMS	K1,K2,K3 Upgrades
Honor Ranch	MI-E-600A thru 601E	Gas Coolers	Replaced motors and added soft starts
Honor Ranch	Wet Gas 1 & 2	Compressors	Replace fuel controllers and ignition systems
Honor Ranch	E-555	Fin Fan Cooler	Install condensing cooler
La Goleta	All Main Compressor Units	Instrumentation	Upgrade CAM/GECO

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.3.5. Please state the items of equipment that were replaced/upgraded/overhauled or repaired, specifying which activity actually took place, at each of the compressors identified in the response to the previous question.

SoCalGas Response:

Please reference Table 3 above.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

- 4.3.6. Please state the cost associated with the work completed in Quarter 1 of 2015 by compressor number and storage field identified in the response to the question 4.3.4.

SoCalGas Response:

Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.3.7. Please identify each compressor by number and by storage field that SoCalGas expects to complete work on during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, please reference Table 4 below. The process for evaluating additional compressor station work is ongoing and plans are subject to change.

Table 4: Compressor Stations Blanket Projects			
Station	Asset Description	Equipment	Anticipated Work
Aliso Canyon	K-25, K-26, K-274	Engines	Overhaul
Aliso Canyon	K-26	Compressor	Overhaul
Aliso Canyon	K-25	Gearbox	Overhaul
Playa Del Rey	CB6, CB9	Compressor/Engine	Overhaul
Honor Ranch	MU 2	Compressor/Engine	Overhaul compressor and engine
Honor Ranch	Main Units	Orifice meters	Replace meters and runs
Honor Ranch	Main Units	Compressor	Overhaul compressor and engine
Honor Ranch	MU 5	Compressor	Replace intake silencer

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

- 4.3.8. Please state the items of equipment that SoCalGas expects to replace/upgrade/overhaul or repair, specifying which activity is expected to take place, at each of the compressors identified in the response to the previous question.

SoCalGas Response:

Please reference to Table 4 above.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.3.9. Please state the cost associated with the work by compressor number and storage field identified in the response to question 4.3.7.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, please refer to Table PEB-10 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.3.10. Please identify each compressor by number and by storage field that SoCalGas expects to complete work on during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, please reference Table 5 below. The process for evaluating additional compressor station work is ongoing and plans are subject to change.

Station	Asset Description	Equipment	Anticipated Work
Aliso Canyon	K-25, K-26, K-274	Engines	Overhaul
Aliso Canyon	TBD	Compressor	Overhaul
Aliso Canyon	TBD	Gearbox	Overhaul
Playa Del Rey	CB8	Compressor	Overhaul
Playa Del Rey	C-13, C-14	Air Compressors	Replacement
Honor Ranch	TBD	Compressor/Engine	Overhaul compressor and engine
Honor Ranch	TBD	Compressor/Engine	Overhaul compressor and engine
Honor Ranch	TBD	Orifice meters	Replace meters and runs
La Goleta	Main Compressor Units	Air Compressors	Replacement
La Goleta	MU #3	Compressor/Engine	Overhaul

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.3.11. Please state the items of equipment that SoCalGas expects to replace/upgrade/overhaul or repair, specifying which activity is expected to take place, at each of the compressors identified in the response to the previous question.

SoCalGas Response:

Please reference Table 5.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.3.12. Please state the cost associated with the work by compressor station identified in the response to question 4.3.10.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, please refer to Table PEB-10 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.4. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 17:
- 4.4.1. Please identify each well by name or number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows:

Wellhead Valve Replacements

Aliso Canyon: Porter 32C, Standard Sesnon 30, Standard Sesnon 16,
Standard Sesnon 3H, Porter 24A, Porter 24B, Porter 32F

Playa del Rey: 24-2

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.4.2. Please state the cost associated with the work completed in 2014 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows (values are for direct labor and nonlabor in 2013\$):

Wellhead Valve Replacements

Aliso Canyon – Porter 32C: \$114k ;

Standard Sesnon 30: \$130k ;

Standard Sesnon 16: \$116k;

Standard Sesnon 3H: \$137k;

Porter 24A: \$160k;

Porter 24B: \$122k;

Porter 32F: \$58k

Playa del Rey – 24-2: \$129k

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.4.3. Please identify each well by name or number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no wellhead valve replacement projects completed in Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.4.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no wellhead valve replacement projects completed in Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.4.5. Please identify each well by name or number and by storage field that has work expected to be completed during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: At this time, projects are pending due to operational constraints and well availability. The process for evaluating additional work is ongoing and plans are subject to change

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.4.6. Please state the cost associated with the work expected to be completed in Quarters 2-4 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.4.7. Please identify each well by name or number and by storage field that has work expected to be completed during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The wellhead valve replacement projects are conducted as required among the existing four storage fields. The process of evaluating wells requiring future wellhead valve replacements is ongoing.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.4.8. Please state the cost associated with the work expected to be completed in 2016 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.5. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 22:
- 4.5.1. Please identify each well by name or number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows:

Tubing Replacements

Aliso Canyon: Fernando Fee 32D,
Fernando Fee 36,
Standard Sesnon 9

Playa del Rey: Elliott 1

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.5.2. Please state the cost associated with the work completed in 2014 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows (values are for direct labor and nonlabor in 2013\$):

Tubing Replacements

Aliso Canyon – Fernando Fee 32D: \$814k ;

Fernando Fee 36: \$317k ;

Standard Sesnon 9: \$468k

Playa del Rey – Elliott 1: \$1,118k

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.5.3. Please identify each well by name or number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no well tubing replacement projects that were completed in Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.5.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.5.5. Please identify each well by name or number and by storage field that has work expected to be completed during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows:

The current anticipated project work list includes:

Aliso Canyon – Porter 26E;

Playa del Rey – SoCal 7;

La Goleta – Miller 4, Bishop 1.

The process for evaluating projects is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.5.6. Please state the cost associated with the work expected to be completed in Quarters 2-4 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.5.7. Please identify each well by name or number and by storage field that has work expected to be completed during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The well tubing replacement projects are conducted as required. The process of evaluating wells that may require future well tubing replacements is ongoing. Seven well tubing replacement projects among the four storage fields are planned for 2016 as stated in the Testimony SCG-06.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.5.8. Please state the cost associated with the work expected to be completed in 2016 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.6. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 27:
- 4.6.1. Please identify each well by name or number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows:

Wellhead Leak Repairs

Aliso Canyon – Standard Sesnon 44A. However, this project has not yet been completed pending the availability/delivery of necessary wellhead components.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.6.2. Please state the cost associated with the work completed in 2014 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows:

Please reference Table 2.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.6.3. Please identify each well by name or number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no Wellhead Leak Repair projects completed during Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.6.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.6.5. Please identify each well by name or number and by storage field that has work expected to be completed during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The wells that may develop wellhead leaks are unknown at this time, but four wellhead leak situations are anticipated by year-end. The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.6.6. Please state the cost associated with the work expected to be completed in Quarters 2-4 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.6.7. Please identify each well by name or number and by storage field that has work expected to be completed during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The wells that may develop wellhead leaks are unknown at this time but four situations are anticipated in 2016 as presented in the Testimony SCG-06. The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.6.8. Please state the cost associated with the work expected to be completed in 2016 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.7. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 32:

4.7.1. Please identify each well by name or number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

Well Inner-string Installations

There were no well innerstring installation projects completed during the 2014 calendar year.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

- 4.7.2. Please state the cost associated with the work completed in 2014 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

Please reference Table 2.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.7.3. Please identify each well by name or number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no well innerstring installation projects completed during Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.7.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no well innerstring installation projects completed during Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.7.5. Please identify each well by name or number and by storage field that has work expected to be completed during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows:

Aliso Canyon – Porter 50A, Standard Sesnon 44A.

The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.7.6. Please state the cost associated with the work expected to be completed in Quarters 2-4 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The costs associated with the well innerstring installation projects are variable depending on the storage field location and well depth. Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.7.7. Please identify each well by name or number and by storage field that has work expected to be completed during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The wells that may require new innerstrings are unknown at this time but two situations are anticipated in 2016 as presented in the Testimony SCG-06.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.7.8. Please state the cost associated with the work expected to be completed in 2016 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The costs associated with the well innerstring installation projects are variable depending on the storage field location and well depth. Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.8. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 47:
- 4.8.1. Please identify each well by name or number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

Well Gravel Packs

There were no Well Gravel Pack projects completed in 2014.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

- 4.8.2. Please state the cost associated with the work completed in 2014 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

There were no completed projects related to Well Gravel Pack projects in 2014.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.8.3. Please identify each well by name or number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no completed projects related to Well Gravel Pack projects during Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.8.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no completed projects related to Well Gravel Pack projects during Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.8.5. Please identify each well by name or number and by storage field that has work expected to be completed during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Work is expected to be performed on Fernando Fee 35D. Other Gravel Pack candidates are being evaluated. The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.8.6. Please state the cost associated with the work expected to be completed in Quarters 2-4 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Project costs will vary depending on the depth of the well and the size of the production casing. Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. The process for evaluating additional work is ongoing and plans are subject to change. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.8.7. Please identify each well by name or number and by storage field that has work expected to be completed during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Porter 42A and Standard Sesnon 25A are Gravel Pack candidates that are being evaluated. Two new gravel packs are expected in 2016 as presented in the Testimony SCG-06.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.8.8. Please state the cost associated with the work expected to be completed in 2016 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Project costs will vary depending on the depth of the well and the size of the production casing. Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

- 4.9. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 52:
- 4.9.1. Please identify each well by name or number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

There were no well Re-drill projects completed in 2014.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

- 4.9.2. Please state the cost associated with the work completed in 2014 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

There were no Well Re-drill projects completed in 2014.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.9.3. Please identify each well by name or number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no completed projects related to Well Re-drill projects in Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.9.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There were no completed projects related to Well Re-drill projects in Quarter 1 of 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.9.5. Please identify each well by name or number and by storage field that has work expected to be completed during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The current anticipated project work list includes but is not limited to Aliso Canyon – Porter 42C and Porter 69G. Future redrill candidates are being evaluated.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.9.6. Please state the cost associated with the work expected to be completed in Quarters 2-4 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 57:

4.10.1. Please identify each well by name or number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

Replacement Wells

Aliso Canyon – Porter 50C, Fernando Fee 32G;

La Goleta – Todd 1.

These 3 replacement well projects began in 2014. However, the projects will not be completed until 2015.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.10.2. Please state the cost associated with the work completed in 2014 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

Please reference Table 2.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10.3. Please identify each well by name or number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Aliso Canyon – Porter 50C, Fernando Fee 32G.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10.5. Please identify each well by name or number and by storage field that has work expected to be completed during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows:

The Replacement Well work planned to be completed in 2015 includes:

La Goleta – Todd 1

Aliso Canyon – Fernando Fee 32H and Standard Sesnon 4B.

The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10.6. Please state the cost associated with the work expected to be completed in Quarters 2-4 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10.7. Please identify each well by name or number and by storage field that has work expected to be completed during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: There are three replacement well projects planned for 2016. The replacement well candidates are planned at La Goleta and two at Aliso Canyon. The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10.8. Please state the cost associated with the work expected to be completed in 2016 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10.9. Please identify the amount of increased inventory, injection, and/or withdrawal capacity that is associated with the well replacements completed at each field during 2014.

SoCalGas Response:

These replacement wells are intended to offset lost withdrawal capacity due to well productivity degradation, abandonments or pending well abandonments. Please reference section C-9 on page PEB-35 of Testimony SCG-06.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10.10. Please identify the amount of increased inventory, injection, and/or withdrawal capacity that is associated with the well replacements completed or expected to be completed at each field during 2015.

SoCalGas Response:

These replacement wells are intended to offset lost withdrawal capacity due to well productivity degradation, abandonments or pending well abandonments. Please reference section C-9 on page PEB-35 of Testimony SCG-06.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.10.11. Please identify the amount of increased inventory, injection, and/or withdrawal capacity that is associated with the well replacements expected to be completed at each field during 2016.

SoCalGas Response:

These replacement wells are intended to offset lost withdrawal capacity due to well productivity degradation, abandonments or pending well abandonments. Please reference section C-9 on page PEB-35 of Testimony SCG-06.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.11. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 62:

4.11.1. Please identify each well by name or number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

Well Plug and Abandonments

Aliso Canyon: Standard Sesnon 7,

Mission Adrian 5A. The Mission Adrian 5A abandonment project began in 2014 but was completed in Quarter 1 of 2015.

Playa del Rey: 27-1.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.11.2. Please state the cost associated with the work completed in 2014 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

(direct labor and nonlabor in 2013\$)

Aliso Canyon Standard Sesnon 7: \$537k

Playa del Rey 27-1: \$783k.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.11.3. Please identify each well by name or number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Aliso Canyon – Mission Adrian 5A.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.11.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.11.5. Please identify each well by name or number and by storage field that has work expected to be completed during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The expected candidates for this work include:

Aliso Canyon – Frew 9, Fernando Fee 32E.

La Goleta: Miller 5

Honor Rancho: WEZU 10.

Work is still in progress on identifying additional wells that may need to be abandoned.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.11.6. Please state the cost associated with the work expected to be completed in Quarters 2-4 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The costs associated with the Plug & Abandon projects are variable depending on the storage field location, the well depth and actual well condition at the time of the project. Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.11.7. Please identify each well by name or number and by storage field that has work expected to be completed during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows:

Playa Del Rey: Del Rey 13, Del Rey 14, Del Rey 12, and Vidor 1.

The process of evaluating additional wells that may require future Plug & Abandonment is ongoing.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.11.8. Please state the cost associated with the work expected to be completed in 2016 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The costs associated with the Plug & Abandon projects are variable depending on the storage field location, the well depth and actual well condition at the time of the project. Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.11.9. Please identify the amount of decreased inventory, injection, and/or withdrawal capacity that is associated with the well abandonments completed at each field during 2014.

SoCalGas Response:

Decreased deliverability from wells to be abandoned will be offset by replacement wells. Please reference section C-9 on page PEB-35 of Testimony SCG-06.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.11.10. Please identify the amount of decreased inventory, injection, and/or withdrawal capacity that is associated with the well abandonments completed or expected to be completed at each field during 2015.

SoCalGas Response:

Decreased deliverability from wells to be abandoned will be offset by replacement wells. Please reference section C-9 on page PEB-35 of Testimony SCG-06.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.11.11. Please identify the amount of decreased inventory, injection, and/or withdrawal capacity that is associated with the well abandonments expected to be completed at each field during 2016.

SoCalGas Response:

Decreased deliverability from wells to be abandoned will be offset by replacement wells. Please reference section C-9 on page PEB-35 of Testimony SCG-06.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.12. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 77:

4.12.1. Please identify each well by name or number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

Frew 2 and Porter 42 B at Aliso Canyon.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.12.2. Please state the cost associated with the work completed in 2014 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

Aliso Canyon Frew 2: \$1,579k; Porter 42B \$1,382k (direct labor and nonlabor in 2013\$). There will be some additional costs to be incurred in 2015 for these wells.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.12.3. Please identify each well by name or number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: No SIMP work was completed in Q1 2015

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.12.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: No SIMP work was completed in Q1 2015

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.12.5. Please identify each well by name or number and by storage field that has work expected to be completed during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: La Goleta: Miller 11 and Bishop 1. The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.12.6. Please state the cost associated with the work expected to be completed in Quarters 2-4 of 2015 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.12.7. Please identify each well by name or number and by storage field that has work expected to be completed during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The SIMP is under development. The schedule and planning will be determined further once the program is approved.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.12.8. Please state the cost associated with the work expected to be completed in 2016 by well name/number and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: The SIMP is under development. The schedule and planning will be determined further once the program is approved. Please refer to Table PEB-12 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.12.9. Given that the physical description of work to be performed under this category seems to be the same as work proposed under Categories 00412A Wellhead Valve Replacements, 00412B Tubing Replacements, 00412C Wellhead Leak Repairs, and 00412D Innerstring Installations, please demonstrate why the funds requested under this category should not be considered duplicative of the funds requested under these other categories.

SoCalGas Response:

In contrast to the reactive capital work described in Categories 412A-D, the Storage Integrity Management Program (SIMP) is intended to proactively identify, diagnose, and mitigate potential safety and/or integrity problems associated with gas storage wells. It is important to distinguish that SIMP is incremental work above and beyond the levels traditionally performed and included in Categories 412A-D. The SIMP would launch an accelerated and robust assessment of the inspected storage well facilities over the rate case period.

Additional inspection of existing aging storage wells and their associated well head piping located throughout the storage fields is essential in order to determine and monitor their current mechanical integrity.

SIMP is a proactive, methodical, and structured approach using inspection technologies such as ultra-sonic and neutron type casing logs along with risk management disciplines to address well integrity issues before they result in unsafe conditions for employees or the public, or become incidents. Safety and/or integrity conditions that are presently unknown may exist within the high pressure (up to 3,600 psig) above ground pipe laterals and below ground facilities that comprise of 229 aging gas storage field wells that can exceed 13,000 feet in depth. Some SoCalGas wells are more than 80 years old while the average age of all Storage wells is 52 years. In addition, some SoCalGas wells are located within close proximity to residential dwellings.

Please refer to the SIMP Testimony beginning on page PEB-17 of exhibit SCG-06 for additional information on SIMP.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.13. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 111:

4.13.1. Please identify each pipeline by number and by storage field that had work completed during 2014 under this project category.

SoCalGas Response:

Storage does not categorize work in this budget category by pipeline number. Pipeline projects are grouped as displayed in Table 6 below.

Table 6: Pipelines Blanket Projects	
Station	Pipe Grouping
Aliso Canyon	Install Well Laterals and Header
Aliso Canyon	Replace Process Piping
Aliso Canyon	Pipe Supports
Aliso Canyon	Install Well Laterals and Header
Aliso Canyon	Withdrawal Piping Instrumentation
Aliso Canyon	Withdrawal Piping Abandonment
Aliso Canyon	Replace Process Piping
Aliso Canyon	Replace Withdrawal Piping
Aliso Canyon	Pipe Supports
Aliso Canyon	Pipe Anchors
Aliso Canyon	Replace Process Piping
Honor Ranch	Install Well Laterals and Header
Honor Ranch	Replace Withdrawal Piping
Honor Ranch	Replace Well Laterals
Honor Ranch	Install Well Laterals and Header
Honor Ranch	Meter Upgrade
Honor Ranch	Valve Replacement
La Goleta	Pipe Relocation
Playa Del Rey	Valve Replacement
Playa Del Rey	Replace Withdrawal Piping

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.13.2. Please state the items of equipment that were replaced/upgraded/overhauled or repaired, specifying which activity actually took place, at each of the pipelines identified in the response to the previous question.

SoCalGas Response:

Please reference Table 6.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.13.3. Please state the cost associated with the work completed in 2014 by pipeline number and storage field identified in the response to question 4.13.1.

SoCalGas Response:

Analysis to this level of detail is not available. Please refer to Table 2 for the 2014 adjusted recordable costs.

**SCGC DATA REQUEST
 SCGC-SCG-DR-04
 SOCALGAS 2016 GRC – A.14-11-004
 SOCALGAS RESPONSE
 DATE RECEIVED: APRIL 13, 2015
 DATE RESPONDED: APRIL 28-29, 2015**

4.13.4. Please identify each pipeline by number and by storage field that had work completed during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Analysis to this level of detail is not available. Please refer to Table 7 below for projects that include existing and future anticipated work for 2015.

Table 7: Pipelines Blanket Projects	
Station	Pipe Grouping
Aliso Canyon	Install Well Laterals and Header
Aliso Canyon	Replace Process Piping
Aliso Canyon	Modify Withdrawal Piping
Aliso Canyon	Replace Withdrawal Piping
Aliso Canyon	Replace Pipe Anchor
Honor Ranch	Install Well Laterals and Header
Honor Ranch	Replace Well Laterals
Honor Ranch	Replace Gas Meters
Honor Ranch	Install Isolation Valves
Playa Del Rey	Replace Withdrawal Piping

The process for evaluating additional work is ongoing and plans are subject to change.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.13.5. Please state the items of equipment that were replaced/upgraded/overhauled or repaired, specifying which activity actually took place, at each of the pipelines identified in the response to the previous question.

SoCalGas Response:

Please reference Table 7.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.13.6. Please state the cost associated with the work completed in Quarter 1 of 2015 by pipeline number and storage field identified in the response to the question 4.13.4.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.13.7. Please identify each pipeline by number and by storage field that SoCalGas expects to complete work on during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Analysis to this level of detail is not available. Please refer to Table 7 above that includes existing and future work anticipated for 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.13.8. Please state the items of equipment that SoCalGas expects to replace/upgrade/overhaul or repair, specifying which activity is expected to take place, at each of the pipelines identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please reference Table 7.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.13.9. Please state the cost associated with the work by pipeline number and storage field identified in the response to question 4.13.7.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-14 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.13.10. Please identify each pipeline by number and by storage field that SoCalGas expects to complete work on during 2016 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Storage does not categorize work in this budget category by pipeline number. SoCalGas plans to perform necessary work to alleviate various pipeline issues. This can include projects including pipe replacements, expansions, upsizing, supports, corrosion protection and other elements related to piping systems. The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

- 4.13.11. Please state the items of equipment that SoCalGas expects to replace/upgrade/overhaul or repair, specifying which activity is expected to take place, at each of the pipelines identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: SoCalGas plans to perform necessary work to alleviate various pipeline issues. This can include equipment necessary for pipe replacements, expansions, upsizing, supports, corrosion protection and other elements related to piping systems. The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.13.12. Please state the cost associated with the work by pipeline identified in the response to question 4.13.10.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-14 in Direct Testimony SCG-06 for the estimated 2016 expenditures provided in testimony. Adjusted-recorded 2016 data will not be available until approximately the first quarter of 2017.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.14. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 132:

4.14.1. Please identify equipment by type and/or number and by storage field that was replaced/upgraded/overhauled or repaired, specifying which activity actually took place, during 2014 under this project category.

SoCalGas Response:

Please reference to Table 8 below:

Table 8: Purification Equipment Blanket Projects	
Station	Equipment Grouping
Aliso Canyon	Flare Stack Rebuild
Aliso Canyon	Install Instrumentation and Control
Aliso Canyon	Install Process Pumps
Aliso Canyon	Install Process Vessel
Aliso Canyon	Install Thermal Oxidizer
Aliso Canyon	Power System Upgrade
Aliso Canyon	Pump Replacement
Aliso Canyon	Relocation Process Piping
Aliso Canyon	Tank Demolition
Aliso Canyon	Tank Upgrade
Aliso Canyon	Upgrade Instrumentation and Control
Aliso Canyon	Valve Refurbishment
Aliso Canyon	Vessel Upgrade
Honor Ranch	Process Motor Replacement
Honor Ranch	Replace Generator Catalyst
Honor Ranch	Upgrade Instrumentation and Control
Honor Ranch	Valve Installation
Honor Ranch	Valve Refurbishment
Honor Ranch	Valve Replacement
Honor Ranch	Vessel Upgrade
La Goleta	Upgrade Instrumentation and Control
Playa Del Rey	Install Instrumentation and Control
Playa Del Rey	Pump Replacement
Playa Del Rey	Replace Process Skid
Playa Del Rey	Upgrade Instrumentation and Control
Playa Del Rey	Replace Process Filters

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.14.2. Please state the cost associated with the work completed in 2014 by equipment type and storage field identified in the response to the previous question.

SoCalGas Response:

Analysis to this level of detail is not available. Please refer to Table 2 for the 2014 adjusted recordable dollars.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.14.3. Please identify equipment by type and/or number and by storage field that was replaced/upgraded/overhauled or repaired, specifying which activity actually took place, during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please reference Table 9 below that includes existing and future work planned for 2015:

Table 9: Purification Equipment Blanket Projects	
Station	Equipment Grouping
Aliso Canyon	Pump Replacement
Aliso Canyon	Upgrade Instrumentation and Control
Aliso Canyon	Process valve Refurbishment
Aliso Canyon	Flare Stack Rebuild
Aliso Canyon	Process Piping Replacement
Aliso Canyon	Power System Upgrade
Aliso Canyon	Vessel Upgrade
Aliso Canyon	Tank Upgrade
Honor Ranch	Process Motor Upgrade
Honor Ranch	Process valve Installation
Honor Ranch	Upgrade Instrumentation and Control
Honor Ranch	Cooler Installation
Honor Ranch	Process valve Refurbishment
Honor Ranch	Tank Upgrade
Honor Ranch	Vessel Removal
Honor Ranch	Vessel Upgrade
La Goleta	Upgrade Instrumentation and Control
Playa Del Rey	Install Process Filters
Playa Del Rey	Pump Replacement
Playa Del Rey	Vessel Replacement

The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.14.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by equipment type and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.14.5. Please identify equipment by type and/or number and by storage field that SoCalGas expects to complete work on during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

Please reference Table 9 that includes existing and future work anticipated for 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.14.6. Please state the cost associated with the work completed in Quarters 2-4 of 2015 by equipment type and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-15 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.14.7. Please identify equipment by type and/or number and by storage field that was replaced/upgraded/overhauled or repaired, specifying which activity actually took place, during 2016 under this project category.

SoCalGas Response:

Unable to answer this question since 2016 has not arrived yet.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.14.8. Please state the cost associated with the work completed in 2016 by equipment type and storage field identified in the response to the previous question.

SoCalGas Response:

Unable to answer this question since 2016 has not arrived yet.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.15. With regard to the workpapers of P. Baker, No. SCG-06-CWP at page 153:

4.15.1. Please identify equipment by type and/or number and by storage field that was replaced/upgraded/overhauled or repaired, specifying which activity actually took place, during 2014 under this project category.

SoCalGas Response:

Please reference Table 10 below:

Table 10: Auxiliary Equipment Blanket Projects	
Station	Equipment Grouping
Aliso Canyon	Field Power System Upgrades
Aliso Canyon	Equipment Warehouse Installation
Aliso Canyon	Site Safety Upgrades
Aliso Canyon	Install of Process Skid
Aliso Canyon	Gas Meter Upgrades
Aliso Canyon	Upgrade Equipment Secondary Containment
Aliso Canyon	Tank Upgrades
Aliso Canyon	Upgrade Instrumentation and Control
Aliso Canyon	Install Safety Equipment
Aliso Canyon	Upgrade Well Site
Aliso Canyon	Power System Upgrades
Aliso Canyon	Replace Generator Catalyst
Aliso Canyon	Well Site Safety Upgrades
Aliso Canyon	Install Withdrawal Piping
Aliso Canyon	Upgrade Instrumentation and Control
Aliso Canyon	Road Repair
Aliso Canyon	Well Cathodic Protection
Aliso Canyon	Vessel Replacement
Aliso Canyon	Communication System Upgrade
Aliso Canyon	Upgrade of Security Fence
Honor Ranch	Control valve Replacement
Honor Ranch	Install Safety Equipment
La Goleta	Upgrade Fire Water Safety System
La Goleta	Upgrade Equipment Secondary Containment
La Goleta	Well Site Safety Upgrade
La Goleta	Pipe Supports
La Goleta	Communication System Upgrade

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

Response to Question 4.15.1 (Continued)

La Goleta	Power System Upgrade
La Goleta	Upgrade of Security System and Equipment
La Goleta	Upgrade Instrumentation and Control
La Goleta	Upgrade of Security Fence
La Goleta	Road Repair
La Goleta	Communication System Upgrade
La Goleta	Well Cathodic Protection
La Goleta	Process Piping Upgrade
La Goleta	Power System Upgrade
La Goleta	Site Safety Upgrade
La Goleta	Building Heater Installation
Playa Del Rey	Replace Motor Control Center
Playa Del Rey	Upgrade Fire Foam Safety System
Playa Del Rey	Removal of Well Surface Facilities
Playa Del Rey	Upgrade Instrumentation and Control
Playa Del Rey	Power System Upgrade
Playa Del Rey	Process Meter Upgrade
Playa Del Rey	Replace Process Piping
Playa Del Rey	Control Valve Replacement
Playa Del Rey	Removal of Well Surface Facilities
Playa Del Rey	Upgrade of Security System and Equipment
Playa Del Rey	Road Repair
Playa Del Rey	Upgrade Fire Water Safety System

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.15.2. Please state the cost associated with the work completed in 2014 by equipment type and storage field identified in the response to the previous question.

SoCalGas Response:

Analysis to this level of detail is not available. Please reference Table 2 for the 2014 adjusted recordable dollars.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.15.3. Please identify equipment by type and/or number and by storage field that was replaced/upgraded/overhauled or repaired, specifying which activity actually took place, during Quarter 1 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please reference to Table 11 below that includes existing and future anticipated work for 2015:

Table 11: Auxiliary Equipment Blanket Projects	
Station	Equipment Grouping
Aliso Canyon	Upgrade Instrumentation and Control
Aliso Canyon	Gas Meter Upgrade
Aliso Canyon	Power System Upgrade
Aliso Canyon	Withdrawal Piping Upgrade
Aliso Canyon	Vessel Replacement
Aliso Canyon	Meter Upgrade
Aliso Canyon	Upgrade of Security Fence
Aliso Canyon	Well Site Safety Upgrade
Aliso Canyon	Road Repair
La Goleta	Power System Upgrade
La Goleta	Pipe Supports
La Goleta	Communication System Upgrade
La Goleta	Upgrade of Security System and Equipment
La Goleta	Upgrade Instrumentation and Control
La Goleta	Road Repair
La Goleta	Process Meter Upgrade
La Goleta	Install Equipment Warehouse
La Goleta	Well Site Safety Upgrade
Playa Del Rey	Replace Motor Control Center
Playa Del Rey	Upgrade Fire Foam Safety System
Playa Del Rey	Upgrade Instrumentation and Control
Playa Del Rey	Site Safety Upgrade
Playa Del Rey	Power System Upgrade
Playa Del Rey	Control Valve Replacement
Playa Del Rey	Removal of Well Surface Facilities
Playa Del Rey	Upgrade of Security System and Equipment
Playa Del Rey	Road Repair
Playa Del Rey	Upgrade of Fire Water System

The process for evaluating additional work is ongoing and plans are subject to change.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.15.4. Please state the cost associated with the work completed in Quarter 1 of 2015 by equipment type and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.15.5. Please identify equipment by type and/or number and by storage field that SoCalGas expects to complete work on during Quarters 2-4 of 2015 under this project category.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please reference Table 11 that includes existing and future anticipated work for 2015.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.15.6. Please state the cost associated with the work completed in Quarters 2-4 of 2015 by equipment type and storage field identified in the response to the previous question.

SoCalGas Response:

The forecasts for projects represented in the GRC are developed as a snapshot-in-time as of the November 2014 date of the Application filing, and are representative of the types of projects and programs the utility expects to encounter in the normal course of business. Projects that are either delayed or advanced in one area may be offset by other projects that are advanced or delayed in another as a result of changing conditions such as permit applications, resource supply, changed priorities and emergent work. The Rate Case Plan does not provide for the utility to update its forecasted expenses or schedule, either up or down, in its application except for certain, specific and identified items in the update filing following hearings. Subject to the above, SoCalGas responds as follows: Please refer to Table PEB-16 in Direct Testimony SCG-06 for the estimated 2015 expenditures provided in testimony. Adjusted-recorded 2015 data will not be available until approximately the first quarter of 2016.

SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015

4.15.7. Please identify equipment by type and/or number and by storage field that was replaced/upgraded/overhauled or repaired, specifying which activity actually took place, during 2016 under this project category.

SoCalGas Response:

Unable to answer this question since 2016 has not arrived yet.

**SCGC DATA REQUEST
SCGC-SCG-DR-04
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: APRIL 13, 2015
DATE RESPONDED: APRIL 28-29, 2015**

4.15.8. Please state the cost associated with the work completed in 2016 by equipment type and storage field identified in the response to the previous question.

SoCalGas Response:

Unable to answer this question since 2016 has not arrived yet.