Company: Southern California Gas Company (U904G)
Proceeding: 2016 General Rate Case
Application: A.14-11-004
Exhibit: SCG-239-Garcia

## SOCALGAS

# REBUTTAL TESTIMONY OF RENE F. GARCIA <br> (ADVANCED METERING INFRASTRUCTURE POLICY) 

June 2015

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA
I. INTRODUCTION ..... 1
II. REBUTTAL TO PARTIES' O\&M PROPOSALS ..... 2
A. SoCalGas proposes to file a Tier 2 advice letter in lieu of a Tier $\mathbf{3}$ advice letter shall the need to revise the per meter benefit arise. ..... 2
B. ORA mistakenly claims that SoCalGas can reallocate meter reading funding for MSA inspections; AMI-related meter reading savings are already accounted for in customer rates. ..... 3
III. REBUTTAL TO PARTIES’ CAPITAL PROPOSALS ..... 4
A. SoCalGas' size 1-3 replacement meter purchases for 2014-2016 should be authorized as requested since ORA ignored the impacts of AMI during Base Year ("BY") 2013 ..... 4
IV. CONCLUSION ..... 7
APPENDIX A ..... A-1

# SOCALGAS REBUTTAL TESTIMONY OF RENE F. GARCIA (ADVANCED METERING INFRASTRUCTURE POLICY) 

## SoCalGas and Party Comparison

## I. INTRODUCTION

Office of Ratepayer Advocates ("ORA") issued its revised report on SoCalGas Advanced Metering Infrastructure ("AMI") Policy on May 11, 2015. ${ }^{1}$ The following is a summary of ORA's position(s):

- ORA agrees with SoCalGas’ request to "extend the Advanced Metering Infrastructure Balancing Account ("AMIBA") beyond project completion through 2018 or until the full AMI costs and benefits can be reflected in a subsequent GRC"; ${ }^{2}$ and
- ORA recommends that the California Public Utilities Commission ("Commission") require SoCalGas to file a Tier 3 advice letter in the unlikely event the Commission adopts Test Year ("TY") 2016 General Rate Case ("GRC") operating and maintenance ("O\&M") expense levels that reflect AMI benefits already included in the AMI revenue requirement. ${ }^{3}$

ORA also issued its report on SoCalGas’ Customer Services and Gas Distribution on April 24, 2015. ${ }^{4,5}$ Though these reports do not explicitly discuss AMI, the following is a summary of ORA's positions as it relates to SoCalGas' AMI Policy.

- ORA claims that SoCalGas should "incorporate/reallocate" meter reading savings in order to fund Department of Transportation ("DOT") mandated meter set assembly ("MSA") inspections and associated call volume increases in the TY 2016; ${ }^{6}$ and
- ORA claims that SoCalGas' capital expenditure forecast request for meter replacements is "excessive and inadequately supported." ${ }^{7}$

[^0]RFG-1
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## II. REBUTTAL TO PARTIES' O\&M PROPOSALS

## A. SoCalGas proposes to file a Tier $\mathbf{2}$ advice letter in lieu of a Tier $\mathbf{3}$ advice letter shall the need to revise the per meter benefit arise.

ORA agreed with SoCalGas' request to extend the AMIBA beyond project completion through 2018 or until the full AMI costs and benefits can be reflected in a subsequent GRC. ${ }^{8}$ ORA also agrees with SoCalGas’ proposal to file an advice letter seeking to revise the per meter benefit used to calculate AMI benefits "in the unlikely event the Commission adopts TY 2016 O\&M expense levels that reflect AMI benefits already included in the AMI revenue requirement." ${ }^{9}$

However, ORA recommends that the Commission require SoCalGas to file a Tier 3 advice letter if the situation were to arise. ${ }^{10}$ SoCalGas disagrees with ORA's recommendation to file a Tier 3 advice letter and requests that the Commission allow SoCalGas to file a Tier 2 advice letter instead. Advice Letter ("AL") 4110, ${ }^{11}$ a Tier 1 advice letter, established the AMIBA, updated the revenue requirement and modified existing tariffs to implement Decision ("D") 10-04-027 per Ordering Paragraph ("OP") 7. AL 4110 was filed after an extensive AMI business case proceeding which entailed thorough Commission review and an intervening process including discovery, data requests and hearings prior to being authorized in D.10-04027. The Commission determined that AL 4110 was appropriate for Tier 1 advice letter filing and any advice letter submitted for purposes to revise the per meter benefit would simply be a modification of what was already submitted and approved in 2010. Use of a Tier 2 advice letter to extend the AMIBA is appropriate because revising the AMIBA would not result in a rate increase but would instead offset costs not authorized in the TY 2016 GRC decision that would be associated to AMI benefits. ${ }^{12}$

[^1]RFG-2
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## B. ORA mistakenly claims that SoCalGas can reallocate meter reading funding for MSA inspections; AMI-related meter reading savings are already accounted for in customer rates. ${ }^{13}$

Once AMI deployment is completed, the meter reading function will be all but eliminated. ${ }^{14}$ During deployment, costs that are "phased out" that are associated to the attrition of the meter reading workforce are tracked as benefits in the AMIBA. ${ }^{15}$ ORA claims that SoCalGas should reallocate meter reading savings in order to fund DOT MSA inspections in the TY 2016, stating:

SCG's testimony does not discuss why it is not able to incorporate/reallocate embedded costs associated with activities performed by its meter reader positions (that will be phased out and have historically performed DOT MSA inspections) to fund its FSAs that will take over the compliance work. ${ }^{16}$

ORA also states that meter reading funding can be re-allocated to SoCalGas' CCC - Operations to cover costs of incremental calls resulting from the MSA inspection program, stating:

Additional funding over 2013 expense levels is not required for this activity. SCG's Meter Reading Department currently handles DOT MSA inspection activity. SCG plans to eliminate its Meter Reading department, and the ratepayer funding currently used by this department can be reallocated to SCG’s CCC Operations when the work is transferred to CCC - Operations. ${ }^{17}$

As AMI benefits associated with the meter reading function are already accounted for in customer rates, meter reading funding is not available for SoCalGas to reallocate to MSA inspections. ORA's recommendation to reallocate meter reading funding that is already accounted for as benefits in customer rates would essentially "double count" those savings. In D.13-05-010, the Commission concluded that adopting certain O\&M forecasts which already incorporate AMI operating benefits would "result in a double reduction to SoCalGas' revenue requirement." ${ }^{18}$ In addition, ORA's recommendation contradicts Witness C. Tang's position in Exhibit ORA-23-A where it was acknowledged that it would be "unlikely" that the Commission

[^2]RFG-3
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would adopt TY 2016 O\&M expense levels that reflect AMI benefits already included in the AMI revenue requirement. ${ }^{19}$ Hence, benefits associated with AMI, including meter reading benefits, are already embedded in rates and therefore cannot be considered available funding in TY 2016 GRC. To further clarify, the MSA inspection related costs forecasted by Witness Sara Franke in Exhibit SCG-10 and by Witness Evan Goldman in Exhibit SCG-11 are incremental to costs already authorized in D.10-04-027. As stated by Witness Franke, the "additional costs are associated with performing required MSA inspections, post-AMI implementation., ${ }^{20}$

## III. REBUTTAL TO PARTIES' CAPITAL PROPOSALS

## A. SoCalGas' size 1-3 replacement meter purchases for 2014-2016 should be authorized as requested since ORA ignored the impacts of AMI during Base Year ("BY") 2013.

In D.10-04-027, AMI was authorized funding to replace 650,000 "accelerated" PMCs during the project deployment period, through 2017. Accelerated PMCs are meters that would normally have been replaced in the five-year period after AMI deployment (2018 through 2022). By accelerating PMCs into the deployment period, SoCalGas avoids additional costs related to revisiting the retrofitted meter (i.e. the existing meter in the field with a gas meter module installed on it during deployment) to install a replacement meter (with a module married to it) within five years after the AMI deployment period.

During the AMI deployment period Gas Distribution must also purchase 650,000 meters for PMCs, as requested in TY 2012 GRC and as is being requested in TY 2016 GRC, i.e. "business as usual" meters. Since funding for "business as usual" meter installations and replacements is forecasted in a GRC, these meters would have been installed or replaced absent AMI deployment. Since the two GRC periods overlap with the AMI deployment period, the 650,000 PMC meters equate to 130,000 meters per year as requested in TY 2012 GRC and authorized in D.13-05-010 as well as 130,000 meters per year as requested in TY 2016 GRC. In addition, RMCs continue to be worked by SoCalGas' Customer Services Field and funded by Gas Distribution. RMC purchases, as authorized in D.13-05-010, and as requested in TY 2016 GRC equate to a total of 250,000 meters or 50,000 meters per year for the five-year deployment period.

[^3]In Exhibit ORA-10, ORA takes issue with SoCalGas’ capital forecast for meter purchases due to relatively low activity in BY 2013. ORA claims that SoCalGas' proposal, which is " $84 \%$ above the 2013 recorded level, is excessive and inadequately supported." ${ }^{21}$ ORA states:

In the base year of 2013, SoCalGas replaced less than 100,000 meters from both the PMC and RMC programs, yet for the test year period SoCalGas proposes to purchase almost 200,000 meters, close to twice the number of meters replaced in 2013. ${ }^{22}$

SoCalGas disagrees with ORA's position. Compared to prior GRC periods, annual meter purchases are lower for regular operations in 2013. However, 2013 represents the first full year of the AMI deployment. In addition, in previous data request responses to ORA, SoCalGas explained the relationship between SoCalGas’ AMI and GRC funded meter purchases ${ }^{23}$ where size 1-3 meter purchases and replacement timelines for regular operations are affected by the AMI project deployment. ${ }^{24}$

For example, as explained in response to ORA-SCG-DR-12-DAO, Question 5.a, ${ }^{25}$ the majority of the small meters that were purchased in 2013 were funded by AMI. While AMI funded more meters in 2013 and the GRC funded fewer meters in 2013, purchase quantities will ultimately balance out during the full AMI deployment period (2013-2017). The response to Question 4.a in ORA-SCG-DR-12-DAO further explains the reason as to why there were fewer GRC funded meters in 2013, as stated:

Note, in addition to CSF-completed small meter replacements, the Advanced Metering Infrastructure (AMI) project team has also been performing small meter replacements in order to fully integrate with the scheduling and routing of AMI deployment. The number of small meter changes completed by CSF in 2013 excludes a total of 241,041 small meter changes that were completed as part of SoCalGas’ Advanced Metering Infrastructure (AMI) implementation.

In order to adhere to the AMI implementation schedule, beginning in 2013, the AMI project assumed responsibility for above-ground PMCs, including both planned and accelerated meter changes, and Customer Service Field ("CSF") shifted its focus to curb meter changes. This trade-off (i.e., the AMI project team focusing on above-ground meters and CSF focusing on curb meters) enabled a

[^4]better match between the work and employee skill sets. Over the course of the AMI deployment period (2013-2017), all GRC- and AMI-funded PMCs will be completed. ${ }^{26}$

Although AMI purchased the majority of the size 1-3 meters in 2013, AMI will fund no more than the 650,000 meters for accelerated PMCs as authorized in D.10-04-027 and the GRC will fund the purchase of 650,000 "current" year PMCs over the five-year deployment period. Table 1 below, as provided in the response to ORA-SCG-DR-012-DAO, Question 5.a, illustrates the authorized or forecasted small meter replacements by year. ${ }^{27}$

## Table RFG-1

Authorized or Forecasted Small Meter Replacements

|  | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 7}$ | Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| GRC- PMCs | 130,000 | 130,000 | 130,000 | 130,000 | 130,000 | 650,000 |
| GRC-RMCs | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 250,000 |
| GRC Total | 180,000 | 180,000 | 180,000 | 180,000 | 180,000 | 900,000 |
| AMI-Accelerated |  |  |  |  |  |  |
| PMCs (2018-2022) | 130,000 | 130,000 | 130,000 | 130,000 | 130,000 | 650,000 |

As provided in ORA-SCG-DR-012-DAO, Question 5.a, Table 2 below illustrates the actual and estimated distribution of meter purchases during the AMI deployment period. SoCalGas would like to clarify that the 91,107 GRC funded meters in 2013 as provided in ORA-SCG-DR-012DAO, Question 5.a represents size 1-3 RMCs and PMCs as well as size 4+ PMCs. In Exhibit ORA-10, Table 10-35, the 91,107 meters for 2013 suggests that it only includes size 1-3 meters and excludes size 4+ PMCs.

Table RFG-2
Actual or Estimated Small Meter Purchases for Meter Replacements, by Year

|  | Actual | Estimated |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 7}$ | Total |
| GRC Funded | 91,107 | 160,000 | 216,298 | 216,298 | 216,298 | 900,000 |
| AMI Funded | 288,232 | 195,000 | 166,768 | - | - | 650,000 |

*GRC meters purchased in 2013 include size 4 meters which are typically purchased in small volumes

[^5]Subsequently, ORA-SCG-DR-064-DAO was issued requesting 2014 meter purchases; SoCalGas provided actual purchases at that time. Table 3 below is consistent with what was provided in the response to ORA-SCG-DR-064-DAO, Question $29 .{ }^{28}$

Table RFG-3
Meter Purchases in 2014

|  | Provided in the table in the response to ORA- <br> SCG-DR-064-DAO, Question 29 |  |  |
| :--- | ---: | ---: | ---: |
|  | GRC <br> Funded- <br> New <br> Business <br> Meter <br> Sets | GRC Funded- <br> Historical PMCs <br> and RMCs <br> (Meters Purchased <br> in 2014 Less New <br> Meter Sets) | GRC Funded <br> Total Meters <br> Purchased |
| Size 1 - 3 Meters | 29,934 | 191,945 | 221,879 |
| Size 4+ Meters | 2,524 | 7,376 | 9,900 |
| Total | 32,458 | 199,321 | 231,779 |

As illustrated in Table 3, GRC-funded size 1 through 3 meter purchases for PMCs and RMCs in 2014 exceed the GRC forecast of 180,000 annual meter purchases which is consistent with SoCalGas’ response to ORA-SCG-DR-012-DAO, Questions 4.a. and 5.a. ${ }^{29}$ SoCalGas is also on track to purchase the amount of meters authorized in D.10-04-027 for AMI. Ultimately, AMI and GRC meter purchases will balance out by the end of the full AMI deployment period (20132017). Meaning, by the end of the AMI deployment, AMI will purchase 650,000 meters for the "accelerated" PMCs and regular operations will purchase 650,000 meters for the "current year" PMCs and 250,000 meters for RMCs. Therefore, the size 1 through 3 replacement meter purchases requested by Witness Frank B. Ayala, Exhibit SCG-04, are consistent with planned forecasts and ORA's proposed disallowance should be rejected.

## IV. CONCLUSION

SoCalGas appreciates ORA’s acceptance of the AMI Policy proposals. In the unlikely event the Commission adopts TY 2016 O\&M expense levels that reflect AMI benefits already included in the AMI revenue requirement, SoCalGas requests authorization to file a Tier 2 Advice Letter. In addition, SoCalGas disagrees with ORAs recommendation in the Customer

[^6]Services area, represented by Witness Sara Franke (Exhibit SCG-10) and by Witness Evan Goldman (Exhibit SCG-11), to reallocate avoided meter reading funds to the proposed MSA inspection program as meter reading benefits are already in rates and are not available for reallocation. Moreover, doing so would result in a double counting of benefits and would require an adjustment to the current AMIBA and benefits per meter calculation via advice letter. Finally, SoCalGas rejects the suggested decrease in capital funding in the Gas Distribution area for small meter replacements (sizes 1-3) since ORA ignored relevant and supporting facts provided to them in Data Requests. As such, SoCalGas requests authorization of capital funding for small replacement meters as presented in the Gas Distribution Testimony of Witness Frank Ayala (Exhibit SCG-04).

This concludes my prepared rebuttal testimony.

## APPENDIX

TO
REBUTTAL TESTIMONY
OF RENE F. GARCIA
ON BEHALF OF SOCALGAS
ADVANCED METERING INFRASTRUCTURE POLICY

## APPENDIX ATTACHMENTS

## A. Responses to Data Requests

1. ORA-SCG-DR-064-DAO, Question 29
2. ORA-SCG-DR-064-DAO, Question 42
3. ORA-SCG-DR-012-DAO, Question 5.a
4. ORA-SCG-DR-012-DAO, Question 4.a

Attachment A1
ORA-SCG-DR-064-DAO, Question 29

## ORA DATA REQUEST

ORA-SCG-DR-064-DAO

## SOCALGAS 2016 GRC - A.14-11-004

## SOCALGAS FINAL RESPONSE

## DATE RECEIVED: FEBRUARY 12, 2015

## DATE RESPONDED: MARCH 18, 2015

29. Referring to page 163 of the workpapers, please provide the number of meters purchased by size for (i) installation at new customers' premises, (ii) replacements due to meter accuracy, age or operation, (iii) replacements due to a pre-determined replacement cycle based on meter capacity, size, and performance.

## SoCalGas Response:

The number of meters purchased is not tracked by the type of installation. An estimated breakdown of the meter purchases by installation type is shown in the table below. This is the same estimation method that was used for the historical meters in Supplemental Workpaper SCG-FBA-CAP-SUP-009 beginning at page 171 of the capital workpapers exhibit SCG-04CWP_GDIST.

| Meter Size | New <br> Business <br> Meter Sets | Historical PMCs and RMCs <br> (Meters Purchased in 2014 <br> Less New Meter Sets) | Total <br> Meters <br> Purchased |
| :--- | ---: | ---: | ---: |
| Size 1-3 Meters | 29,934 | 191,945 | 221,879 |
| Size 4+ Meters | 2,524 | 7,376 | 9,900 |
| Total | 32,458 | 199,321 | 231,779 |

The numbers presented in the above table are those that are funded in the GRC. In addition, 294,583 small meters (above- ground and curb) and 2,248 size $4+$ meters were purchased in 2014 that were funded by SoCalGas AMI. Please refer to the response to ORA-SCG-DR-012DAO, Question 5.a., for discussion of how SoCalGas is managing the purchase of small meters during the AMI deployment period (2013-2017).

Attachment A2
ORA-SCG-DR-064-DAO, Question 42

# ORA DATA REQUEST <br> ORA-SCG-DR-064-DAO <br> SOCALGAS 2016 GRC - A.14-11-004 <br> SOCALGAS FINAL RESPONSE <br> DATE RECEIVED: FEBRUARY 12, 2015 DATE RESPONDED: MARCH 18, 2015 

42. Provide the total amount of funding SoCalGas receives for AMI deployment each year from 2013-2017. Of this total, provide the annual amount received for meters and for regulators broken down by labor and non-labor elements.

## SoCalGas Response:

## Prepared by AMI Policy Witness Rene Garcia (Exhibit SCG-39)

See attachment "ORA-SCG-DR-064-DAO-Q. 42 Attachment.xlsx" for:

1. A high-level summary of SoCalGas' funding for AMI deployment between 2010-2017 (Refer to the tab titled: ORA-SCG-DR-064-DAO Q42 Attach A);
2. The detailed funding by year authorized in SoCalGas AMI D.10-04-027 (Refer to the tab titled: ORA-SCG-DR-064-DAO Q42 Attach B); and
3. The amount funded for meters and regulators for years 2013-2017, broken down by labor and non-labor (Refer to the tab titled: ORA-SCG-DR-064-DAO Q42 Attach C).

The table below is a high-level summary of SoCalGas' funding and the associated projected unit counts for AMI deployment.

|  | AMI Deployment Plan by Unit Type | AMI Funding by Unit Type - In 2013 \$000s ${ }^{4}$ In 2013 Direct Dollars (with Vacation \& Sick) |
| :---: | :---: | :---: |
|  | Total | Total |
| AMI Module Purchases \& Module Installations |  |  |
| Module Purchases (for both Field \& Factory retrofits) | 6,047,397 | \$300,174 |
| Module Installation - Field Retrofit | 3,695,441 | \$83,026 |
| Module Installation - Factory Retrofit | 2,351,956 | \$11,153 |
| Meter Replacements Due to AMI Deployment ${ }^{1}$ | 1,052,092 | \$160,931 |
| 'Business As Usual' Meter Installations/Replacements ${ }^{2}$ | 1,299,864 | \$ |
| Regulator Replacements | 233,502 | \$19,591 |
| Other AMI Funding (Network, Information Technology, etc.) | N/A | \$364,119 |
| Total ${ }^{5}$ |  | \$938,994 |

${ }^{1}$ AMI requested and was approved funding for the cost of meters being replaced as a result of AMI deployment that would not have been replaced otherwise
${ }^{2}$ Funding for "Business As Usual" meter installations and replacements is forecasted in a GRC; these meters would have been installed or replaced absent AMI deployment; e.g., growth meters, PMCs, RMCs. Only the cost of the modules and the factory retrofit (i.e., the marrying of the communications module to the meter) associated with these meters are included in AMI funding.

# ORA DATA REQUEST <br> ORA-SCG-DR-064-DAO <br> <br> SOCALGAS 2016 GRC - A.14-11-004 <br> <br> SOCALGAS 2016 GRC - A.14-11-004 <br> <br> SOCALGAS FINAL RESPONSE <br> <br> SOCALGAS FINAL RESPONSE <br> <br> DATE RECEIVED: FEBRUARY 12,2015 <br> <br> DATE RECEIVED: FEBRUARY 12,2015 <br> DATE RESPONDED: MARCH 18, 2015 

## Response to Question 42 (Continued)

${ }^{3}$ AMI requested and was approved funding for regulators associated with the meter replacements being performed as a result of AMI deployment; regulator replacements performed as a normal course of business regardless of AMI deployment are forecast in a GRC.
${ }^{4}$ Although ORA did not request approved funding for 2011-2012, it is included in this response in order to tie to total approved funding for SoCalGas AMI per Decision 10-04-027.
${ }^{5}$ In order to be comparable to the TY 2016 GRC, the amounts provided are shown in 2013 direct dollars with Vacation and Sick, excluding overheads; whereas, the authorized $\$ 1.05$ billion is in nominal dollars with all overheads.


' AMI requested and was approved funding for the costs of meters being replaced as a result of AMI deployment that would not have been replaced otherwise

${ }^{3}$ AMI requested and was approved funding for regulators associated with the meter replacements being performed as a result of AMI deployment: regulator replacements performed as a normal course of business regardless of AMI deployment are forecast in a GRC ${ }^{4}$ Although ORA did not request approved funding for 2011-2012, it is included in this response in order to tie to total approved funding for SoCalGas AMI per Decision 10-04-027
${ }^{5}$ In order to be comparable to the TY 2016 GRC, the amounts provided are shown in 2013 direct dollars with Vacation and Sick, excluding overheads; whereas, the authorized $\$ 1.05$ billion is in nominal dollars with all overheads.
ORA-SCG-DR-064-DAO-Q. 42 Attachment.xlsm
ORA-SCG-DR-064-DAO Q42 Attach C
ORA-SCG-DR-064-DAO Question 42 Workpaper
Attachment "C" - SoCalGas Approved Funding for Meters \& Regulators Broken Down by Labor \& Non-labor Elements 2013-2017


Attachment A3 ORA-SCG-DR-012-DAO, Question 5.a

# ORA DATA REQUEST <br> ORA-SCG-DR-012-DAO <br> SOCALGAS 2016 GRC - A.14-11-004 <br> <br> SOCALGAS RESPONSE <br> <br> SOCALGAS RESPONSE <br> DATE RECEIVED: NOVEMBER 24, 2014 <br> DATE RESPONDED: DECEMBER 15, 2014 

5. Referring to page 171 of the workpapers, please provide the following:
a. An explanation for the significant increase from 91,107 meters SoCalGas replaced in 2013 and the utility's forecast of 180,000 replacement each year from 2014-2016. Please include any and all workpapers and/or calculations used to support SoCalGas’ forecasts.
b. Provide a breakdown of the 180,000 size 1-3 meter replacements planned for each year from 2014-2016 for the (i) RMC and (ii) the PMC.
c. Did SoCalGas perform any replacement of size $4+$ meters as part of its PMC program? If yes, please provide the number of size $4+$ meters replaced each year from 2009-2014 YTD as part of the PMC program. If no, please explain why it has not done so in previous years.
d. Did SoCalGas perform any replacement of size 1-3 meters as part of its PMC program? If yes, please provide the number of size 1-3 meters replaced as part of its PMC program. If no, please explain why it has not done so in previous years.

## SoCalGas Response:

NOTE: This question raises issues that extend beyond the scope and subject matter expertise of the Gas Distribution area. As stated on page FBA-125 of Exhibit SCG-04, "Field labor costs associated with SoCalGas' planned small meter replacement program are covered in the prepared direct testimony of Sara Franke, Exhibit SCG-10." As such, SoCalGas' response has been bifurcated as such:

- response to 5a was prepared by the Customer Services Field and AMI Policy witnesses (Sara Franke and Rene Garcia);
- responses to 5 b and 5d were prepared by Customer Services Field;
- response to 5 c was prepared by Gas Distribution.

Any further inquiries should therefore be addressed to the responsible witness areas.

# ORA DATA REQUEST <br> ORA-SCG-DR-012-DAO <br> SOCALGAS 2016 GRC - A.14-11-004 <br> SOCALGAS RESPONSE <br> DATE RECEIVED: NOVEMBER 24, 2014 <br> DATE RESPONDED: DECEMBER 15, 2014 

## Response to Question 5.a.:

## Prepared by Customer Services Field (SCG-10) and AMI Policy (SCG-39):

To clarify, the 91,107 meters shown in column [D] of Table 1 on page 171 of SCG-04-CWP are the number of meters purchased in 2013 with GRC capital funding. This is different than the number of small meters that were replaced in 2013. The number of meters replaced varies from year to year but, on average, SoCalGas expects to incur the cost of replacing approximately 180,000 meters per year, which consists of approximately 130,000 PMCs and 50,000 RMCs. The forecast is consistent with projected meter failure/replacement rates adopted by the Commission in Decision 13-05-010.

As explained in response to question 4.a. above, the vast majority of small meters replaced in 2013 were performed by the AMI project team. In addition, the majority of the small meters that were purchased in 2013 were funded by AMI. While AMI funded the purchase of more meters in 2013 and the GRC funded fewer meters in 2013, the timing of the purchases will ultimately balance out during the AMI deployment period (2013-2017) such that AMI will fund only the AMI authorized 650,000 meter replacements (explained below) and GRC will fund a comparable 650,000.

AMI was authorized funding to replace 650,000 "accelerated" PMCs in Decision (D.) 10-04027. These accelerated PMCs are meters that would normally have been replaced in the 5 year period following AMI deployment (2018 through 2022) or approximately 130,000 accelerated PMCs each year of deployment. In conjunction with this, SoCalGas was authorized funding to replace 130,000 small meters (PMCs) annually in the 2012 GRC. In 2013, AMI purchased the majority of the meters, however, AMI will fund no more than the 650,000 meters that were authorized in D.10-04-027 and the GRC will fund the purchase of 650,000 "current" year PMCs over the 5-year deployment period (approximately 130,000 each year). The following tables provide an illustration of this.

# ORA DATA REQUEST <br> ORA-SCG-DR-012-DAO <br> SOCALGAS 2016 GRC - A.14-11-004 <br> <br> SOCALGAS RESPONSE <br> <br> SOCALGAS RESPONSE <br> DATE RECEIVED: NOVEMBER 24, 2014 <br> DATE RESPONDED: DECEMBER 15, 2014 

## SoCalGas Response to Question 5.a., (Continued):

## Prepared by Customer Services Field (SCG-10) and AMI Policy (SCG-39):

Authorized or Forecasted Small Meter Replacements

|  | 2013 | 2014 | 2015 | 2016 | 2017 | Total |
| :--- | ---: | ---: | ---: | ---: | ---: | :---: |
| GRC- PMCs | 130,000 | 130,000 | 130,000 | 130,000 | 130,000 | 650,000 |
| GRC- RMCs | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 250,000 |
| GRC Total | 180,000 | 180,000 | 180,000 | 180,000 | 180,000 | 900,000 |
| AMI- Accelerated PMCs | 130,000 | 130,000 | 130,000 | 130,000 | 130,000 | 650,000 |

Actual or Estimated Small Meter Purchases for Meter Replacements *

|  | Actual | Estimated |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2013 | 2014 | 2015 | 2016 | Total |  |
| GRC Funded | 91,107 | 160,000 | 216,298 | 216,298 | 216,298 | 900,000 |
| AMI Funded | 288,232 | 195,000 | 166,768 | - | - | 650,000 |

* GRC meters purchased in 2013 include size 4 meters which are typically purchased in small volumes

Note: Currently, AMI funded meters are used to replace current year PMCs and accelerated PMCs that are completed by AMI. Once the AMI funding for the total number of accelerated PMC meters that was authorized in SoCalGas' AMI D.10-04-027 is exhausted, GRC will fund the remaining small meter replacements (current year PMCs and RMCs and the accelerated PMCs that have not been completed).

Attachment A4
ORA-SCG-DR-012-DAO, Question 4.a

# ORA DATA REQUEST <br> ORA-SCG-DR-012-DAO <br> <br> SOCALGAS 2016 GRC - A.14-11-004 <br> <br> SOCALGAS 2016 GRC - A.14-11-004 <br> <br> SOCALGAS RESPONSE <br> <br> SOCALGAS RESPONSE <br> DATE RECEIVED: NOVEMBER 24, 2014 <br> DATE RESPONDED: DECEMBER 15, 2014 

4. Please respond to the following:
a. Provide the 2009-2014 YTD labor and non-labor expenses and the number of meters replaced associated with SoCalGas' planned small meter replacement program as referenced on lines 23-24 of page FBA-125.
b. When did SoCalGas first begin to capture field labor expenses for the small meter replacement program with Customer Services Field Department?
c. Is the small meter replacement program different and separate from the Planned Meter Change-outs Program (PMC) or the Routine Meter Change-Outs Program (RMC)? Please identify and explain why there is a separation between this program and the PMC or RMC in SoCalGas forecasts.

## SoCalGas Response:

NOTE: This question raises issues that extend beyond the scope and subject matter expertise of the Gas Distribution area. As stated on page FBA-125 of Exhibit SCG-04, "Field labor costs associated with SoCalGas' planned small meter replacement program are covered in the prepared direct testimony of Sara Franke, Exhibit SCG-10." As such, SoCalGas' response has been bifurcated as such:

- response to 4 a was prepared by the Customer Services Field and AMI Policy witnesses (Sara Franke and Rene Garcia);
- response to 4b was prepared by Customer Services Field;
- response to 4 c was prepared by Gas Distribution.

Any further inquiries should therefore be addressed to the responsible witness areas.

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## Response to Question 4.a.:

## Prepared by Customer Services Field (SCG-10) and AMI Policy (SCG-39):

Customer Services Field (CSF) can provide the number of meter replacements for 20092013, but does not track expenses at the level of detail requested. Notwithstanding, to provide some estimate of associated labor expenses for those years, please see below. Estimates of non-labor expenses are not available. 2014 data is not available.

| Small Meter Replacements Completed by CSF |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | 2009 | 2010 | 2011 | 2012 | 2013 |
| Number of Small Meter Replacements* | 160,715 | 163,639 | 137,864 | 116,196 | 77,899 |
| Estimated CSF Labor Costs** <br> (Shown in Thousands of 2013 Dollars) | $\$ 3,461$ | $\$ 3,612$ | $\$ 2,933$ | $\$ 2,475$ | $\$ 2,173$ |

*Small meter replacements include planned meter changes (PMCs) and routine meter changes (RMCs).
** The estimated labor expenses for the small meter replacements completed by CSF are derived by using the average recorded on premise time per small meter change and the average 2013 labor rate for CSF technicians who perform small meter replacements. The costs exclude drive time and other ancillary costs not associated with the time to perform the activity. In 2009-2012 all labor was charged to O\&M. Beginning in 2013, for curb meter replacements only, labor was split 50/50 between O\&M and capital. Labor is charged 50/50 capital/O\&M for curb meter replacements because the existing curb meters are incompatible with AMI technology.

Note, in addition to CSF-completed small meter replacements, the Advanced Metering Infrastructure (AMI) project team has also been performing small meter replacements in order to fully integrate with the scheduling and routing of AMI deployment. The number of small meter changes completed by CSF in 2013 excludes a total of 241,041 small meter changes that were completed as part of SoCalGas' Advanced Metering Infrastructure (AMI) implementation.

In order to adhere to the AMI implementation schedule, beginning in 2013, the AMI project assumed responsibility for above-ground PMCs, including both planned and accelerated meter changes, and CSF shifted its focus to curb meter changes. This trade-off (i.e., the AMI project team focusing on above-ground meters and CSF focusing on curb meters) enabled a better match between the work and employee skill sets. Over the course of the AMI deployment period (2013-2017), all GRC- and AMI-funded PMCs will be completed.

Please refer to the testimony and workpapers of witness Sara Franke, Ex. SCG-10 and SCG-10-WP, CSF and Meter Reading, for additional information regarding forecasted CSF meter changes (testimony pages SAF-9, SAF-11, and workpaper pages 52-54).


[^0]:    ${ }^{1}$ Exhibit ORA-23-A Post-Test Year Ratemaking ("PTYR") and SCG AMI, ("ORA-23-A").
    ${ }^{2}$ Exhibit ORA-23-A, at p.23, lines 5-7.
    ${ }^{3}$ Exhibit ORA-23-A, at pp.24-25, lines 23,1-2.
    ${ }^{4}$ Exhibit ORA-13 Customer Services ("ORA-13").
    ${ }^{5}$ Exhibit ORA-10 SoCalGas Gas Distribution ("ORA-10").
    ${ }^{6}$ Exhibit ORA-13, at p.60, lines 14-17 "SCG's testimony does not discuss why it is not able to incorporate/reallocate embedded costs associated with activities performed by its meter reader positions (that will be phased out and have historically performed DOT MSA inspections) to fund its FSAs that will take over the compliance work." and Exhibit ORA-13, at p. 77, lines 5-16.
    ${ }^{7}$ Exhibit ORA-10, at p.62, lines 4-5.

[^1]:    ${ }^{8}$ Exhibit ORA-23-A PTYR and SCG AMI Policy, at p.5, lines 15-17.
    ${ }^{9}$ Exhibit ORA-23-A, at p. 24, lines 19-23.
    ${ }^{10}$ Exhibit ORA-23-A, at pp.24-25, lines 23, 1-2.
    ${ }^{11}$ AL 4110, U 904 G, effective April 8, 2010. AL 4110 was approved by letter dated August 4, 2010.
    ${ }^{12}$ SoCalGas assumes that ORA recommends filing a Tier 3 advice letter under the rules established in GO 96-B 5.3 (4) where the change would result in an increase to rates. Except for a change that may be submitted by advice letter pursuant to Industry Rules 5.1(1), 5.1(3), 5.1(7), 5.2(1), or 5.2(2), a change that would result in an increase to a rate or charge or a more restrictive term or condition, which change has been authorized by statute or by other Commission order to be requested by advice letter.

[^2]:    ${ }^{13}$ As a result of D.10-04-027, authorized project costs of $\$ 1.05$ billion and O\&M benefits of $\$ 184.8$ million are currently being collected in rates, while actual costs and benefits are recorded in the AMIBA. ${ }^{14}$ By 2018, SoCalGas customers, except those customers enrolled in the Opt-Out Program, will receive monthly bills based on AMI's automated meter reads and no longer require a manual read done by a meter reader.
    ${ }^{15}$ Exhibit ORA-13, at p. 60, line 16.
    ${ }^{16}$ Exhibit ORA-13, at p. 60, lines 14-17.
    ${ }^{17}$ Exhibit ORA-13, at p. 77, lines 9-14.
    ${ }^{18}$ D.13-05-010, at p. 508.

[^3]:    ${ }^{19}$ Exhibit ORA-23-A, at p. 24, lines 19-23.
    ${ }^{20}$ SCG-10, at SAF-10, lines 23-26.
    RFG-4
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[^4]:    ${ }^{21}$ Exhibit ORA-10, at p. 62, lines 3-4.
    ${ }^{22}$ ORA-10, p. 60, lines 12-15.
    ${ }^{23}$ See SoCalGas' response to ORA-SCG-DR-064-DAO, Question 29 in Appendix A, Attachment A1 and ORA-SCG-DR-064-DAO, Question 42 in Appendix A, Attachment A2.
    ${ }^{24}$ Size 1-3 meters include planned meter changes ("PMCs") and routine meter changes ("RMCs").
    ${ }^{25}$ See SoCalGas' response to ORA-SCG-DR-012-DAO, Question 5.a in Appendix A, Attachment A3.
    RFG-5
    Doc\#

[^5]:    ${ }^{26}$ See SoCalGas response to ORA-SCG-DR-012-DAO, Question 4.a in Appendix A, Attachment A4.
    ${ }^{27}$ See SoCalGas' response to ORA-SCG-DR-012-DAO, Question 5.a in Appendix A, Attachment A3.
    RFG-6
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[^6]:    ${ }^{28}$ See SoCalGas response to ORA-SCG-DR-064-DAO, Question 29 in Appendix A, Attachment A1. ${ }^{29}$ See Appendix A, Attachment A3 and Attachment A2.

    RFG-7
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