

ORA DATA REQUEST
ORA-SCG-DR-093-DAO
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: JUNE 15 2015
DATE RESPONDED: JUNE 24, 2015

Subject: Advanced Metering Infrastructure Policy

Please provide the following:

1. Referring to SoCalGas' discussion of small meter purchases and replacements through GRC and AMI funding on pages RFG-5 and RFG-6, please provide the 2014 actual data for the following:
 - a. The number of small (size 1-3) meter purchases for (i) the PMC, and (ii) the RMC from GRC funding, and the recorded costs.
 - b. The number of small (size 1-3) meter replacements through (i) the PMC, and (ii) the RMC from GRC funding, and the recorded costs.
 - c. The number of small (size 1-3) meter purchases for (i) the PMC, and (ii) the RMC from AMI funding, and the recorded costs.
 - d. The number of small (size 1-3) meter replacements for (i) the PMC, and (ii) the RMC from AMI funding, and the recorded costs.

SoCalGas Response 1:

Prepared by Witnesses Rene Garcia, AMI Policy (Exhibit SCG-239) and Frank B. Ayala, Distribution Operations (Exhibit SCG-04-R)

Since GRC meter purchases are not tracked by the type of installation, the split of purchases is not available by planned meter changes ("PMCs") and routine meter changes ("RMCs"). An *estimated* breakdown of the meter purchases by installation type is summarized here and provided in the tables included below.

In 2014, SoCalGas estimated a total of **413,310** small meters (size 1-3) were purchased by SoCalGas for PMCs and RMCs, where **191,945¹** meters were purchased with **GRC** funding and **221,365** meters were purchased with **AMI** funding. In addition, in 2014, SoCalGas performed **386,455** PMC² and RMC meter replacements.

Please see **Table 1.a** for an estimated breakdown of all meter purchases and meter replacements and installations by type and funding source for 2014. For the associated estimated costs for PMCs and RMCs only, please see **Table 1.b**.

In the table below, please note that in 2014 more GRC funded meters were installed/replaced than purchased in 2014 because SoCalGas utilized meters from its inventory which were purchased in 2013.

¹ Provided in response to ORA-SCG-DR-64-DAO, Question 29.

² Total meter replacements include "accelerated" PMCs. As described in Rene F. Garcia's Rebuttal Testimony (Exhibit SCG-239), accelerated PMCs are meters that normally would have been replaced in the five-year period after AMI deployment (2018 through 2022).

**ORA DATA REQUEST
ORA-SCG-DR-093-DAO
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: JUNE 15 2015
DATE RESPONDED: JUNE 24, 2015**

**ORA-SCG-DR-093-DAO
Table 1.a
2014 Small Meter Purchases by Type³ (Size 1 through 3)**

Type	Meter Funding Source		Total	In Response to ORA-SCG-DR-093-DAO Question 1.a. and 1.c.
	AMI	GRC		
PMCs and RMCs (above ground)⁴	221,365	191,945	413,310	
New Meter Sets ⁵	0	29,934	29,934	
Curbs (below ground)	73,218	0	73,218	
Total	294,583	221,879	516,462	

2014 Small Meter Replaced or Installed by Type (Size 1 through 3)

Type	Meter Funding Source		Total	In Response to ORA-SCG-DR-093-DAO Question 1.b. and 1.d.
	AMI	GRC		
PMCs-Current Year (above ground)	21,103	168,306	189,409	
PMCs-Accelerated (above ground)	151,276	0	151,276	
RMCs	0	45,770	45,770	
New Meter Sets	0	29,934	29,934	
Curbs (below ground)	23,917	0	23,917	
Other Types ⁶	35,624	8,913	44,537	
Total	231,920	252,923	484,843	

**ORA-SCG-DR-093-DAO
Table 1.b**

³ Purchased meters are not tracked by the type of installation. An estimated breakdown of the meter purchases by installation type is shown in this table.

⁴ AMI purchases are for PMCs only; GRC purchases include PMCs and RMCs.

⁵ New Meter Set purchases are estimated to equal the New Meter Set installations.

⁶ Examples of "Other Types" include meter resets (GRC) and meters damaged during AMI module retrofit resulting in a meter change (AMI).

**ORA DATA REQUEST
 ORA-SCG-DR-093-DAO
 SOCALGAS 2016 GRC – A.14-11-004
 SOCALGAS RESPONSE
 DATE RECEIVED: JUNE 15 2015
 DATE RESPONDED: JUNE 24, 2015**

**Estimated Costs⁷ for 2014 Small Meter Purchases (Size 1 through 3) in 2013 Dollars
 PMCs and RMCs Only**

Type	Meter Funding Source		Total	In Response to ORA-SCG-DR-093-DAO
	AMI	GRC		
PMCs and RMCs (above ground)	\$10,393,087	\$12,711,612	\$23,104,699	Question 1.a. and 1.c.

**Estimated Costs for 2014 Small Meters Replaced by Type (Size 1 through 3) in 2013 Dollars
 PMCs and RMCs Only**

Type	Meter Funding Source		Total	In Response to ORA-SCG-DR-093- DAO
	AMI	GRC		
PMCs-Current Year (above ground)	\$ 990,786	\$11,146,113	\$12,136,899	Question 1.b. and 1.d.
PMCs-Accelerated (above ground)	\$7,102,408	\$ -	\$7,102,408	
RMCs	\$ -	\$ 3,031,131	\$3,031,131	
Total	\$8,093,194	\$14,177,244	\$22,270,438	

⁷ Costs are estimated using an average cost per meter in 2014, with taxes and freight. GRC purchases include meter sizes 1-3 (average cost = \$66.23) while AMI costs are for size 1 meters only (average cost = \$46.95). These averages do not include internal company costs associated with purchases, such as warehouse handling, evaluations, and quality assurance, as those costs are not tracked by meter size.

**ORA DATA REQUEST
ORA-SCG-DR-093-DAO
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: JUNE 15 2015
DATE RESPONDED: JUNE 24, 2015**

2. On page RFG-6, SoCalGas states, “SoCal Gas would like to clarify that the 91,107 GRC funded meters in 2013...represents size 1-3 RMCs and PMCs as well as size 4+ PMCs.” Please provide a breakdown of the total 91,107 funded meters by (a) size 1-3, and (b) size 4+ PMCs.

SoCalGas Response 2:

Prepared by Witness Frank B. Ayala, Distribution Operations (Exhibit SCG-04-R)

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 calculations below. This is based on 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-04-CWP-R.

Total Size 1-3 Meters Purchased in 2013 = 109,180
(Provided in Data Request TURN-SCG-DR-08, Question 3)

Size 1-3 New Business Meters Installed in 2013 = 24,751
(Provided in Exhibit SCG-04-CWP-R, page 171, Table 1)

Estimated Size 1-3 Meters Purchased for PMCs and RMCs in 2013
= (109,180 Size 1-3 Meters Purchased in 2013)
– (24,751 Size 1-3 New Business Meters Installed in 2013)
= **84,429 Size 1-3 Meters Purchased for PMCs and RMCs in 2013**

Estimated Size 4+ Meters Purchased for PMCs in 2013
= (91,107 Meters Purchased for PMCs & Size 1-3 RMCs in 2013)
– (Estimated 84,429 Size 1-3 Meters Purchased for PMCs and RMCs in 2013)
= **6,678 Size 4+ Meters Purchased for PMCs in 2013**