PACIFIC GAS AND ELECTRIC COMPANY
SmartMeterProgram-Upgrade
Application 07-12-009
Data Response

PG&E Data Request No.:	DRA_023-01-11		
PG&E File Name:	SmartMeterProgram-Upgrade_DR_DRA_023-Q01-11		
Request Date:	September 21, 2010	Requester DR No.:	DRA_A0712009_072110
Date Sent:	October 6, 2010	Requesting Party:	Division of Ratepayer Advocates
PG&E Witness:		Requester:	Tom Roberts

QUESTION 1

PG&E has deployed a number of different types of **electric** AMI endpoints and communication systems since the CPUC authorized the project in D.06-07-027. Please provide a complete tabulation of the number of endpoints installed to date, grouped by all possible combinations of the following variables:

- Meter type and vendor,
- Communication module type and vendor,
- Integral remote disconnect or load limiting device,
- Installed HAN interface module,

For example, a GE meter with Silver Springs network interface, but no load limit switch or HAN interface is one possible combination.

ANSWER 1

Pursuant to the CPUC authorized Advanced Metering Infrastructure and SmartMeter™ Upgrade projects, PG&E has the following types and total counts of various advanced electric meters deployed and currently installed in the field as of September 24, 2010. Please note that DCSI and HEX meters do not have a HAN interface, and DCSI meters do not have Remote Connect/Disconnect (RCD) capability. SSN meters all have a HAN interface, but a subpopulation of them including 4S, 3S, 2K, Class 320 2S, and KV2c meters do not have RCD capability.

Meter Manufacturer	DCSI No RCD / No HAN	HEX RCD / No HAN	SSN RCD / HAN	SSN No RCD / HAN	Total
General Electric	14,499	0	1,679,304	146,278	**1,840,081**
Landis + Gyr	115,723	1,733	1,492,176	3,114	**1,612,746**
Total	**130,222**	**1,733**	**3,171,480**	**149,392**	**3,452,827**

QUESTION 2

For each combination tabulated in response to question 1 above, indicate the number of endpoints that PG&E has removed and replaced with another type of meter.

ANSWER 2

The following table contains the total number of electric meters, as of September 24, 2010, that have been removed and replaced with a different type of meter as part of the Commission authorized SmartMeter™ Upgrade program:

Meter Manufacturer	From DCSI to SSN	From HEX to SSN	Total
General Electric	43,644	91,720	**135,364**
Landis + Gyr	48,734	53,104	**101,838**
Total	**92,378**	**144,824**	**237,202**

In addition, PG&E replaces meters as needed through its regular meter monitoring and maintenance campaigns. These replacements are not necessarily from one type of technology to another and include like for like meter replacements.

QUESTION 3

For each combination tabulated in response to question 1 above, indicate the number of endpoints that PG&E plans to remove and replace with another type of meter.

ANSWER 3

PG&E plans to remove and replace the remaining DCSI and HEX electric meters reported in response to question 1 with SSN meters as part of the Commission authorized SmartMeter™ Upgrade Program.

QUESTION 4

For each combination tabulated in response to question 1 above, indicate the number of additional endpoints that PG&E plans to install during full smart meter deployment.

ANSWER 4

PG&E does not plan to deploy additional DCSI or HEX endpoints. At full deployment, PG&E plans to have installed a total of 5,275,099 electric meters (1,822,272 more meters than the total installed reported in response to question 1). Please see the table below for PG&E's current plan of this additional deployment by meter type:

Meter Manufacturer	DCSI No RCD / No HAN	HEX RCD / No HAN	SSN RCD / HAN	SSN No RCD / HAN	Total
General Electric	0	0	456,613	267,210	**723,823**
Landis + Gyr	0	0	1,087,280	11,169	**1,098,449**
Total	**0**	**0**	**1,543,893**	**278,379**	**1,822,272**

QUESTION 5

Please describe all vendor, technology, or configuration changes to **gas** AMI endpoints and communication systems since the first purchase of gas AMI meter modules.

ANSWER 5

There have been no vendor, technology, or configuration changes to PG&E's advanced gas meter endpoints or communication systems since the beginning of the AMI program.

QUESTION 6

For each combination of technologies and configurations indicated in response to question 5 above, indicate:

a. The number of endpoints installed,

b. The number of endpoints PG&E has removed and replaced with another type of meter,

c. The number of endpoints PG&E plans to remove and replace with another type of meter,

d. The number of additional endpoints PG&E plans to install during full smart meter deployment,

ANSWER 6

a. As of September 24, 2010, PG&E has installed 3,406,958 SmartMeter™ Gas Meter-modules. All of these gas endpoints utilize Aclara RF technology.

b. PG&E replaces gas meters and meter modules as needed through its regular monitoring and maintenance campaigns. These gas AMI meter replacements are not from one type of technology to another

c. PG&E replaces gas meters and meter modules as needed through its regular monitoring and maintenance campaigns. PG&E has no current plans to remove its gas meter endpoints and replace them with another meter type.

d. At full deployment, PG&E plans to have installed a total of 4,458,024 Gas meter-modules (1,051,066 more than provided in response to part "a" of this question).

QUESTION 7

Please provide a current estimate of how much of the $128.8 million of risk based allocation or contingency funds authorized by D.06-07-027 has been spent, allocated, or in any way appropriated. Indicate the ending date of data included in the estimate.

ANSWER 7

PG&E has spent, allocated or appropriated the full $128.8 million contingency from D.06-07-027 as contemporaneously and regularly disclosed to the Commission and DRA as part of PG&E's monthly Steering Committee Reports which are now also filed as public documents . Please refer to the attachment "SmartMeterProgram-Upgrade_DR_DRA_023-Q01-11-Attachment-01.xls" for a summary chart showing the reported history of utilization of these funds through the Steering Committee reports.

QUESTION 8

Please provide a breakdown by task of the appropriations indicated in response to question 7 above.

ANSWER 8

PG&E provides, as an attachment, the relevant excerpt of each Steering Committee report that has been provided to the CPUC and DRA on a monthly basis since August of 2006. The attached excerpts illustrate the breakdown of amounts appropriated to the contingency. Please see attachment "SmartMeterProgram-Upgrade_DR_DRA_023-Q01-11-Attachment-02.zip".

QUESTION 9

Please provide a current estimate of how much of the $44.1 million of risk based allocation or contingency funds authorized by D.09-03-026 has been spent, allocated, or in any way appropriated. Indicate the ending date of data included in the estimate.

ANSWER 9

PG&E has spent, allocated or appropriated the full $49 million contingency from D.09-03-026. Please refer to the attachment "SmartMeterProgram-Upgrade_DR_DRA_023-Q01-11-Attachment-01.xls" for a summary chart showing the reported history of utilization of these funds through the Steering Committee reports that have been provided to the CPUC and DRA contemporaneously since August of 2006 and have now been made public. To clarify, D.09-03-026 included a total of $48.98 million in Risk Based Allowance (not $44.1 million).

QUESTION 10

Please provide a breakdown by task of the appropriations indicated in response to question 9 above.

ANSWER 10

PG&E provides, as an attachment, the relevant excerpt of each Steering Committee report that has been provided to the CPUC and DRA on a monthly basis since August of 2006. The attached excerpts illustrate the breakdown of amounts appropriated to the contingency. Please see attachment "SmartMeterProgram-Upgrade_DR_DRA_023-Q01-11-Attachment-02.zip".

QUESTION 11

Does PG&E currently anticipate that full deployment and implementation of their gas and electric AMI systems will be accomplished within the budget approved by D.06-07-027 and D.09-03-026?

ANSWER 11

PG&E currently anticipates that it may exceed the amounts authorized in both D.06-07-027 and D.09-03-226, not including the amount authorized as a ratepayer/shareholder cost-sharing band. However, it is premature to conclude that actual project costs will significantly exceed those amounts. PG&E is continuously assessing its project workstreams, especially in light of unanticipated cost pressures, including those relating to customer-related communications and outreach issues that have arisen since the summer of 2009. As usual, PG&E will continue to regularly report project expenditures and budget forecasts in each Semi-Annual assessment report.