ORA DATA REQUEST
ORA-SCG-DR-028-DAO
SOCALGAS 2016 GRC – A.14-11-004
SOCALGAS RESPONSE
DATE RECEIVED: DECEMBER 16, 2014
DATE RESPONDED: DECEMBER 31, 2014

Exhibit Reference: SCG-4, Gas Distribution O&M and Capital Expenditures

Subject: Non-Routine Tool Purchases, Combustible Gas Indicator Equipment Replacement Effort

Please provide the following:

1. Referring to pages FBA-135 and FBA-136 please provide the number of combustible gas indicators/detectors and the number of calibration stations SoCalGas replaced and the expenditures incurred as of December 2014.

SoCalGas Response:

This project has been delayed until 2015, so no combustible gas indicators or calibration stations were placed into service in 2014.

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2. Referring to page FBA-135, please state whether or not the calibration stations used to calibrate multi gas detectors and combustible gas indicators are the same type of equipment. If not, please identify the differences between the calibration stations SoCalGas proposes to replace as part of its multi-gas detector replacement effort and its combustible gas indicator equipment replacement effort.

SoCalGas Response:

The calibration stations for the multi-gas detector instruments are not the same as the calibration stations for the new combustible gas indicators. They are two different models. One model of calibration station does not meet the needs of both units, so two different models are required from two different manufacturers.

The multi-gas detector instrument will be used by Customer Services Field for pin-pointing sources of methane and carbon monoxide, typically above ground in the home. The calibration equipment is specific to the model of multi-gas detector instrument that will be purchased.

The combustible gas indictors will be used by Gas Distribution to locate sources of underground methane when our facilities develop leaks. The current combustible gas indicator used by SoCalGas does not require monthly calibrations and there is no method to calibrate the instrument. Any validations for sensor response are made by the Instrument Shop when performing repairs. The new combustible gas indicator will have the ability to be checked and calibrated to resolve any operational problem and to validate sensor response and accuracy. The calibration equipment will provide records of calibration history for each instrument to meet pending policy compliance of performing instrument calibration every 30 days.

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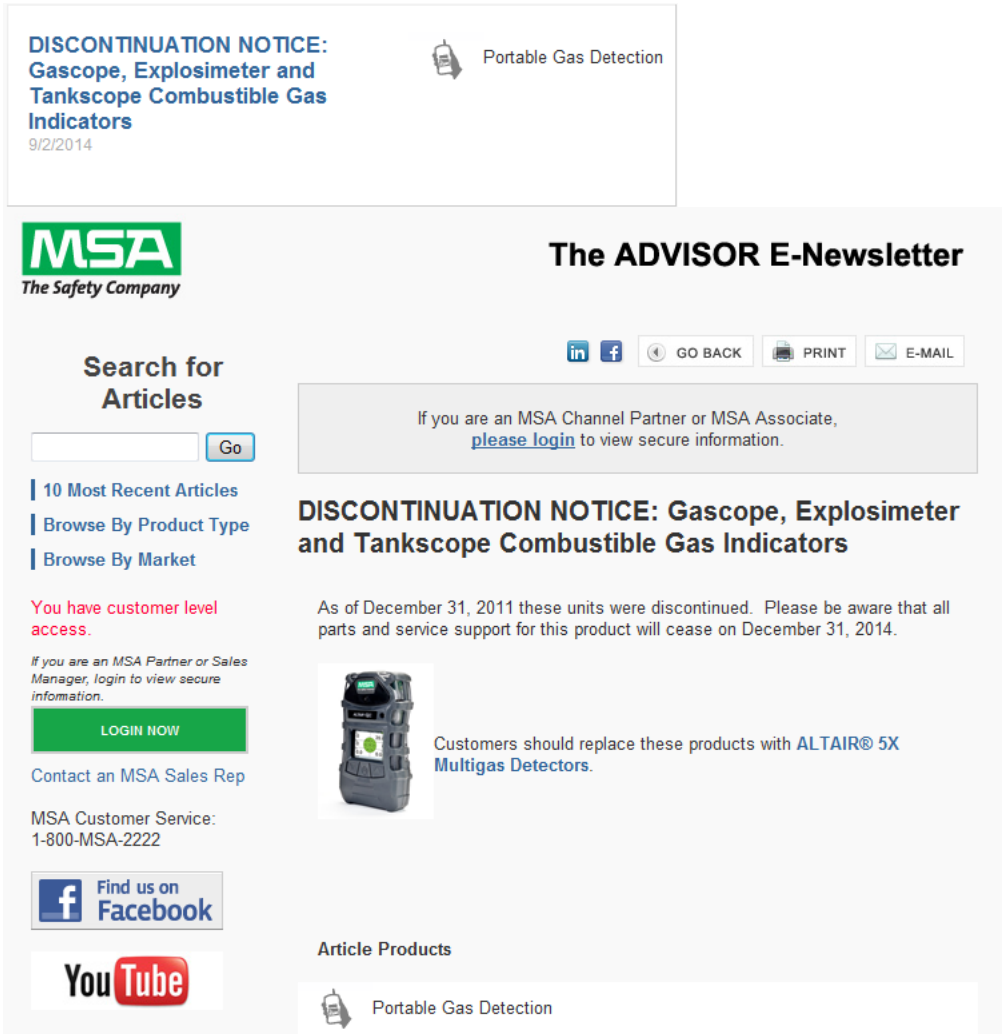
3. Referring to page FBA-136, please state whether the manufacturer has discontinued manufacturing of components required for combustible gas equipment detection, calibration stations, or both and provide support for this claim.

SoCalGas Response:

The current combustible gas indicator equipment does not have calibration equipment.

Below is a screen shot of a Notification that was mailed to all companies utilizing the M60 Gas Scope (combustible gas indicator) and also made available on the manufacture website:



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4. Please provide support to confirm the unit cost of combustible gas detectors and combustible gas calibration stations as shown in SCG-FBA-SUP-013, on page 230 of the workpapers. Include a copy of all documents and calculations used to determine the unit cost of both types of equipment.

SoCalGas Response:

Please refer to the separately provided CONFIDENTIAL file, ***CONFIDENTIAL PURSUANT TO PU CODE SECTION 583 & GENERAL ORDER 66-C*** , ORA-SCG-DR-028-DAO_Q4_CONFIDENTIAL.pdf for additional support for a market estimate of the base unit cost of a combustible gas indicator and combustible gas calibration station. The calculations, including taxes and shipping fees are shown on page 230 of Exhibit SCG-04-CWP:

Assumptions:

[F]: Cost for Taxes and Shipping.
10% Tax.
$100 Shipping for Surveying Leak Detector. $25 Shipping for other tools.

	[E]	[F]	[G] ([E]+[F])
Description	**Base Cost Per Unit**	**Taxes and Shipping Fees**	**Total Cost Per Unit**
Surveying Leak Detector (WP 009060.001)	$ 10,645	$ 1,164.50	$ 11,810
GIS-base Leak Survey tracker (WP 009060.004)	$ 2,865	$ 311.50	$ 3,177
Multi-Gas Detector (WP 009060.002)	$ 1,540	$ 179.00	$ 1,719
Multi-Gas Calibration (WP 009060.002)	$ 2,750	$ 300.00	$ 3,050
Combustible Gas Detector (WP 009060.003)	$ 1,350	$ 160.00	$ 1,510
Combustible Gas Calibration (WP 009060.003)	$ 5,780	$ 603.00	$ 6,383

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5. Please provide documents to support the unit cost of both type of equipment (detector and calibration stations) purchased in 2014.

SoCalGas Response:

No combustible gas indicator equipment or calibration stations were purchased in 2014. The project has been delayed until 2015.

Please see the response to Question 4 above for the unit cost estimate used in the forecast calculations.