

**SAN DIEGO GAS & ELECTRIC COMPANY
SOUTHERN CALIFORNIA GAS COMPANY**
**APPLICATION REGARDING FEASIBILITY OF INCORPORATING
ADVANCED METER DATA INTO THE CORE BALANCING PROCESS
(A.17-10-002)**

(8th DATA REQUEST FROM INDICATED SHIPPERS AND SCGC)

QUESTION 8.1:

With respect to the statement made by Mr. Borkovich in his rebuttal testimony at page 14 that “noncore customers are required to have Gas Energy Measurement Systems (GEMS) devices installed:”

8.1.1. The tariff citation that Mr. Borkovich provided at footnote 26 states: “Electronic Meter Reading: Customers electing noncore service status must have electronic meter reading equipment installed at Customer’s expense as a condition of noncore service.”

8.1.1.1. Can electronic meter reading equipment be installed on analog noncore meters?

8.1.1.2. Does this tariff provision require the installation of electronic meters for noncore customers?

8.1.1.3. Do all noncore customers have the same type of meter?

8.1.1.4. If the answer to the previous question is “no,”

8.1.1.4.1. please identify the types of meters that are used for noncore customers.

8.1.1.4.2. Please identify the numbers of the customers that are using each type of noncore meter.

8.1.1.5. Do all noncore customers have meters capable of providing hourly usage values?

8.1.1.6. If the answer to the previous question is “no,” please state the numbers of noncore customers that do not have meters capable of providing hourly usage values.

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RESPONSE 8.1:

8.1.1.1. SoCalGas defines analog meters as any meter that provides a 4 -20 mA output. SoCalGas does not install analog meters at noncore or core customer sites.

8.1.1.2. Yes. See Response 8.1.1.1.

8.1.1.3. No.

8.1.1.4.1. The types of meters used for SoCalGas noncore customers are diaphragm, orifice, rotary, turbine, and ultrasonic.

8.1.1.4.2. The following are the number of SoCalGas customers with each type of noncore meter.

| Type of Noncore Meter | No. of Customers |
|-----------------------|------------------|
| Diaphragm | 13 |
| Orifice | 25 |
| Rotary | 908 |
| Turbine | 215 |
| Ultrasonic | 34 |

8.1.1.5. No.

8.1.1.6. Three (3).

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QUESTION 8.2:

Are any noncore customers metered through SoCalGas' AMI system?

RESPONSE 8.2:

Yes.

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QUESTION 8.3:

If the answer to the previous question is “yes:”

- 8.3.1. Please state how many noncore customers are metered through the AMI system.
- 8.3.2. Please identify the total annual usage represented by the noncore customers metered through the AMI system.
- 8.3.3. Please identify the standard deviation of usage for the noncore customers metered through the AMI system.

RESPONSE 8.3:

- 8.3.1. As of December 31, 2017, there were approximately 543 noncore customers whose gas usage was transmitted by the AMI system.
- 8.3.2. The combined, total usage in 2017 for all 543 non-core customers was approximately 54,007 MMCF. Approximately 462 of these 543 noncore customers had usage transmitted by the AMI system for less than 12 months in 2017.
- 8.3.3. The 2017 annual usage of the 543 noncore customers has a standard deviation of approximately 226 MMCF.

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QUESTION 8.4:

Are any noncore customers metered through SDG&E's AMI system?

RESPONSE 8.4:

No.

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QUESTION 8.5:

If the answer to the previous question is “yes,”

8.5.1. Please state how many noncore customers are metered through the AMI system.

8.5.2. Please identify the total annual usage represented by the noncore customers metered through the AMI system.

8.5.3. Please identify the standard deviation of usage for the noncore customers metered through the AMI system.

RESPONSE 8.5:

N/A

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QUESTION 8.6:

Is the System Operator able to view the usage for any noncore customers?

RESPONSE 8.6:

Yes.

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QUESTION 8.7:

If the answer to the previous question is “yes,”

- 8.7.1. Please state how many customers have their usage values directly accessible to the System Operator.
- 8.7.2. Please state the total annual usage of the customers whose usage values are directly available to the System Operator.
- 8.7.3. Please state the standard deviation of the usage of the customers whose usage values are directly available to the System Operator.
- 8.7.4. Are metered values for each of these customers available on an hourly basis to the System Operator?
- 8.7.5. If the answer to the previous question is “no,” please describe the basis upon which metered usage for these customers is available to the System Operator, including the unit of time for the metering, e.g., hourly, daily, five minutes, etc.

RESPONSE 8.7:

- 8.7.1. 71.
- 8.7.2. 278,884,000 MMbtu.
- 8.7.3. 7,141,621 MMbtu.
- 8.7.4. No. These customers are monitored on a real time basis by the System Operator.
- 8.7.5. See response to 8.7.4.