

Application No: A.17-10-002
Exhibit No.: _____
Witness: Sharim Chaudhury,
David Mercer, and
Paul Borkovich

Application of Southern California Gas Company
(U 904 G) and San Diego Gas & Electric Company
(U 902 G) Regarding Feasibility of Incorporating
Advanced Meter Data Into the Core Balancing
Process.

A.17-10-002
(Filed October 2, 2017)

SUPPLEMENTAL TESTIMONY OF
SHARIM CHAUDHURY, DAVID MERCER, AND PAUL BORKOVICH
ON BEHALF OF
SOUTHERN CALIFORNIA GAS COMPANY AND
SAN DIEGO GAS & ELECTRIC COMPANY

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

November 28, 2018

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1 **SUPPLEMENTAL TESTIMONY**
2 **OF SHARIM CHAUDHURY, DAVID MERCER, AND PAUL BORKOVICH**

3 **I. PURPOSE**

4 The purpose of this supplemental testimony on behalf of Southern California Gas
5 Company (SoCalGas) and San Diego Gas & Electric Company (SDG&E) is to respond to the ten
6 questions posed by Administrative Law Judge (ALJ) Brian Stevens in his November 5, 2018
7 *Administrative Law Judge’s Ruling Directing Supplemental Testimony* (ALJ Ruling).

8 **II. ALJ RULING QUESTION 1**

9 Given that as of April 30, 2018, SCG’s Advanced Meter
10 Infrastructure (AMI) installation is 99.24% complete, and that
11 these AMI-enabled meters are now capturing 98.57% of core load
12 (Chadbury [*sic*] Rebuttal, August 10, 2018, at 18) please explain
13 why statistical estimates that incorporated actual historical and
14 weather usage AMI data of retail core demand for any remaining
15 areas that do not yet have Meter Data Modules (MDMs) installed
16 would not generate a more accurate forecast.¹

17 SoCalGas intends to use the data collected through its AMI system to reduce the error in
18 its forecasts of daily core gas usage. As of April 2018, SoCalGas was able to successfully
19 collect a relatively high percentage of its core usage data through its AMI system.² A minimum
20 of one year of historical AMI data is required to estimate the Daily Load Forecasting Model
21 (DLFM) parameters because data collected for a period of less than one year would miss
22 information regarding gas usage during seasons, months, or holidays, making estimations of
23 corresponding calendar effects inadequate.³ Accordingly, SoCalGas will have collected the
24 minimum history of data required for use in an AMI-based version of the DLFM in early 2019.

¹ ALJ Ruling at p. 1-2.

² For clarification, the 98.57% referenced in ALJ Ruling Question 1 refers to the percentage of core customer monthly usage which was billed using once per month AMI reads.

³ Prepared Direct Testimony of Sharim Chaudhury, p. 9.

1 SoCalGas expects to develop and implement a core forecasting process based on SoCalGas'
2 historical AMI data by July 1, 2019.

3 For the remaining relatively small percentage of core usage data that is not currently
4 being collected by the AMI system consistently, SoCalGas believes that it could potentially
5 estimate this usage through proper statistical modeling.

6 Using these approaches is likely to reduce core load forecasting errors relative to the
7 current model.⁴

8 **III. ALJ RULING QUESTION 2**

9 Please provide the zip codes and number counts of customers in
10 each code that have not had their Meter Data Modules (MDUs)
11 and Data Collection Units (DCUs) installed.⁵

12 SoCalGas interprets the references to “Meter Data Modules” in the ALJ Ruling to have
13 the same meaning as “Meter Transmission Units (MTUs)”⁶ and provides this supplemental
14 testimony based on that interpretation. There are approximately 4,122 customers that have not
15 yet had their MTUs installed. Table 1 provides the not yet installed MTU count by zip code for
16 all zip codes with greater than 15 MTUs remaining to be installed, representing 3,063 of the
17 4,122 (74.3%) not yet installed MTUs. The remaining 1,059 not yet installed MTUs (25.7%) are
18 located across 319 other zip codes, with each of these zip codes having 15 or fewer not yet
19 installed MTUs.

⁴ This does not apply to Company Use gas and Lost and Unaccounted For (LUAF) gas, which is procured by the SoCalGas Gas Acquisition Department.

⁵ ALJ Ruling at p. 2.

⁶ Direct Testimony of David Mercer, p. 1-2.

1
2

Table 1
Count of Not Yet Installed MTU's by Zip Code

| Zip Code | MTUs Not Installed |
|----------|--------------------|
| 93108 | 648 |
| 93105 | 538 |
| 93101 | 379 |
| 93110 | 366 |
| 93111 | 167 |
| 93455 | 159 |
| 90275 | 81 |
| 93103 | 71 |
| 90731 | 64 |
| 93023 | 53 |
| 90026 | 44 |
| 93067 | 44 |
| 93001 | 37 |
| 93022 | 37 |
| 90732 | 34 |
| 93463 | 33 |
| 93109 | 27 |
| 90266 | 27 |
| 93436 | 27 |
| 90006 | 25 |
| 93460 | 24 |
| 90044 | 21 |
| 90003 | 20 |
| 90012 | 20 |
| 90019 | 18 |
| 93033 | 18 |
| 90043 | 17 |
| 93535 | 16 |
| 93036 | 16 |
| 90272 | 16 |
| 90027 | 16 |

3
4
5

There are 8,128 customers *with an MTU already installed* that are awaiting installation of additional DCUs to allow their MTU to communicate meter read data reliably. Table 2 below provides a count of these customers by zip code.

1
2

Table 2
Count of Customers with MTUs Installed Now Awaiting DCU Installation by Zip Code

| Zip Code | MTUs Awaiting DCU Installation |
|----------|--------------------------------|
| 90275 | 2,352 |
| 93460 | 1,116 |
| 93436 | 925 |
| 93455 | 784 |
| 93440 | 635 |
| 93108 | 440 |
| 93441 | 404 |
| 93463 | 215 |
| 93111 | 198 |
| 93110 | 145 |
| 92651 | 135 |
| 93013 | 132 |
| 93117 | 119 |
| 90265 | 100 |
| 92657 | 88 |
| 90274 | 79 |
| 93454 | 77 |
| 93105 | 41 |
| 93101 | 31 |
| 93001 | 26 |
| 92660 | 22 |
| 93427 | 20 |
| 93424 | 9 |
| 93254 | 8 |
| 93109 | 5 |
| 93405 | 4 |
| 92629 | 4 |
| 93067 | 4 |
| 90732 | 4 |
| 92625 | 2 |
| 92654 | 1 |
| 91214 | 1 |
| 93458 | 1 |
| 93437 | 1 |

1 There are 20,065 customers designated as Advanced Meter “opt-outs.” There are no
2 plans to install MTUs for these “opt-out” customers at this time. The response below to ALJ
3 Ruling Question 3 provides “opt-out” customer counts by zip code.

4 **IV. ALJ RULING QUESTION 3**

5 Please provide the zip codes and number counts of customers in
6 each zip code that are Opt-Out by years 2016, 2017, and through
7 September 2018.⁷

8 Please see Attachment A for the count of customers by zip code that were enrolled in
9 SoCalGas’ Advanced Meter Opt-Out Program as of December 31, 2016, December 31, 2017,
10 and through October 31, 2018.

11 **V. ALJ RULING QUESTION 4**

12 Please provide a chart showing the timeline of AMI installations
13 by zip code and weather zone.⁸

14 Attachments B and C provide a timeline of MTU installations by quarter, disaggregated
15 by zip code and by Climate Zone, respectively. The timeline of MTU installations by zip code
16 and Climate Zone in Attachments B and C reflects the MTU installation date for the current
17 MTU installed at each customer location.

18 **VI. ALJ RULING QUESTION 5**

19 How many customers had Meter Data Modules (MDMs) installed
20 as of the date of this ruling? How many are communicating with
21 the Data Collector Units?⁹

22 As of November 5, 2018, 5,960,811 customers have had their MTUs installed and
23 5,943,176 (99.7%) of these customers have MTUs that are communicating with DCUs.

⁷ ALJ Ruling at p. 2.

⁸ ALJ Ruling at p. 2.

⁹ ALJ Ruling at p. 2.

1 **VII. ALJ RULING QUESTION 6**

2 In the Sempra GRC, \$23.6 million has been proposed by Sempra
3 for estimated Capital Expenses for enhancements to its Integrated
4 Customer Data Analytics (ICDA) project plus \$333,000 for “3.8
5 FTEs as additional resources required to provide increased
6 maintenance and support for newly implemented Advanced Meter
7 technologies (1 FTE)...” (Baldwin, Revised Direct, SCG Exhibit
8 19-R, at 49.) Witness Baldwin also testifies that the purpose of this
9 project is to “transform operations and target business
10 operations...(including) customer usage (data) and data generated
11 from Advanced Meter interval data...” and claims this is a
12 “strategic priority.” (Ibid, at 73.) Please explain why the
13 approximately \$24 million being proposed for capital and
14 personnel to support this ICDA platform is not adequate to include
15 reprogramming of the Headend [*sic*] and Meter Data Management
16 System (MDMS)to allow integration of data transmissions of day-
17 before hourly data from the existing AMI modules for forecasting
18 and balancing purposes.¹⁰

19 The proposed capital expenditure forecast and operations and maintenance (O&M) costs
20 for incremental Full Time Equivalents (FTEs) requested in SoCalGas’ Test Year 2019 General
21 Rate Case (GRC)¹¹ and referenced in ALJ Ruling Question 6 are not adequate for
22 reprogramming of the Head End and Meter Data Management System (MDMS) because: (1) the
23 capital expenditure forecast does not include capital projects related to the ICDA platform and
24 (2) the O&M requested for incremental FTEs would not be available to perform such activities
25 based on their proposed allocations and the requested costs for the FTEs would be insufficient
26 for such type of work.

27 To clarify, SoCalGas’ Test Year 2019 GRC capital expenditure forecast for Customer
28 Services Office Operations described in Section VI of the Revised Direct Testimony of Michael
29 H. Baldwin in that proceeding does include \$23.6 million in 2019 for several capital projects that

¹⁰ ALJ Ruling at p. 2.

¹¹ Application (A.) 17-10-008.

1 are important to achieve the objective of providing safe, efficient, effective, and reliable service
2 for Customer Services Office Operations; however, none of the capital expenditure forecast
3 relates to enhancements to the ICDA platform.¹² Examples of the major projects included in the
4 \$23.6 million capital expenditure forecast described in Mr. Baldwin's testimony are Credit and
5 Collections Optimization Phase 4 (\$1.8 million), Major Markets Systems Enhancements (\$8.6
6 million), Measurement Collection System (MCS) Next Generation (\$3.1 million), and Customer
7 Information System (CIS) Front-end Replacement (\$9.3 million).¹³

8 Mr. Baldwin's Test Year 2019 GRC testimony also includes an incremental O&M
9 request of \$333,000 for three FTEs to provide increased data analytics support.¹⁴ However, only
10 one of those FTEs is proposed to be allocated to support, maintain, train, and update changing
11 data for ICDA. Similarly, Mr. Baldwin's Test Year 2019 GRC testimony includes an
12 incremental O&M request of \$366,000 for 3.8 FTEs for increased customer operations
13 technology support.¹⁵ However, only one of those FTEs is proposed to support newly
14 implemented Advanced Meter technologies and billing integrated technology functions.
15 Therefore, the two FTE's would not be available for reprogramming of the Headend and MDMS
16 to allow integration of data transmissions of day-before hourly data from the existing AMI
17 modules for forecasting and balancing purposes because they are proposed to be allocated to
18 other activities related to the ICDA and also the requested costs associated with the two FTEs
19 would be insufficient for this type of work.

¹² Revised Direct Testimony of Michael H. Baldwin in A.17-10-007 at p. MHB-56-57, Table MB-40. Note that Table MB-40 provides ICDA costs forecasted for 2017 and 2018, which become part of SoCalGas' TY 2019 revenue requirement.

¹³ *Id.*

¹⁴ Revised Direct Testimony of Michael H. Baldwin in A.17-10-007 at p. MHB-49, lines 1-11.

¹⁵ *Id.* at lines 12-18.

1 **VIII. ALJ RULING QUESTION 7**

2 Please provide the estimated programming and other costs used to
3 justify the Sempra GRC request for \$23.6 million for providing
4 enhancements to the ICDA for customer usage data and data
5 generated from Advanced Meter interval data, as in Witness
6 Baldwin’s testimony quoted above, and the approximately four
7 FTEs requested. Please also provide two vendors’ detailed
8 estimates of the additional programming cost, if any, of
9 programming the ICDA to accept and process four daily
10 transmissions of customer usage data from the MDUs generated
11 from customers’ interval data for use by the MDMS for forecasting
12 and balancing purposes.¹⁶

13 As clarified in response to ALJ Ruling Question 6 in Section VII above, Mr. Baldwin’s
14 Test Year 2019 GRC testimony capital expenditure forecast of \$23.6 million does not include
15 capital projects associated with ICDA enhancements. SoCalGas is thus not able to provide
16 justifications for a “GRC request for \$23.6 million for providing enhancements to the ICDA....”

17 At this time, SoCalGas is also not able to provide two vendors’ detailed estimates of the
18 additional programming cost, if any, of programming the ICDA to accept and process four daily
19 transmissions of customer usage data from the MTUs generated from customers’ interval data
20 for use by the MDMS for forecasting and balancing purposes. While Mr. Baldwin’s Test Year
21 2019 GRC testimony does show that ICDA Phases 1 & 2 had capital expense forecasts in 2017
22 and Phase 3 had capital expense forecasts in 2017 and 2018,¹⁷ these projects were completed in-
23 house; therefore, SoCalGas does not have vendors available working on the ICDA to provide
24 estimates for the additional programming described in the question. Further, the ICDA project
25 does not have in scope to design and/or develop a vendor’s scope of work for estimates.

26 SoCalGas and SDG&E offer the following information relevant to this question that
27 provides an overview of a system that could allow core balancing agents to balance to actual

¹⁶ ALJ Ruling at p. 3.

¹⁷ Revised Direct Testimony of Michael H. Baldwin in A.17-10-007 at p. MHB-56-57, Table MB-40.

1 usage, including preliminary time and cost estimates, if the Commission was to consider having
2 core balancing agents balance to actual usage. SoCalGas' testimony in this proceeding has
3 pointed out several significant concerns and uncertainties that arise from the alternative
4 proposals by the intervenors to have core balancing agents to balance to actual usage data. If the
5 Commission was to consider having core balancing agents balance to actual usage data in a
6 relatively timely manner, e.g., in the latter hours of the day after usage, SoCalGas and SDG&E
7 believe it is appropriate to first determine the requirements necessary for such a system, and to
8 then analyze the options for implementing the system with a comprehensive understanding of
9 how such a system would exist in the context of SoCalGas' and SDG&E's systems overall.

10 SoCalGas and SDG&E provide here further information on the likely requirements for
11 such a system. Pursuant to D.10-04-027, the current AMI technology was built to support a
12 monthly billing process and next day, hourly customer energy presentment for SoCalGas' core
13 customers. D.10-04-027 did not describe the advanced meter system as being designed and used
14 to acquire same day, daily measurement quantities that could be allocated and aggregated to the
15 respective core balancing agents for calculating OFO noncompliance charges. Therefore, the
16 existing systems were also not designed to support the level of availability and reliability, nor
17 with the necessary processing speeds or memory requirements, that would be required for the
18 capabilities and activities required should core balancing agents be required to balance to actual
19 usage data in a relatively timely manner. SoCalGas' existing Data Warehouse, MDMS, and
20 ICDA systems simply cannot adequately support the activities perceived necessary to provide
21 AMI information to respective core balancing agents on a daily basis.

22 Because of these existing limitations, a system that might allow core balancing agents to
23 balance to actual usage would require creating a new system (referred to herein as the AMI Data

1 Aggregation System) that would aggregate daily core AMI usage data by core balancing agent
2 and enable the posting of that information on SoCalGas' Electronic Bulletin Board (EBB),
3 SoCalGas Envoy[®] (Envoy). At a high level, for each Measurement Day the AMI Data
4 Aggregation System would: (1) continuously collect and update SoCalGas AMI usage data
5 throughout the day and as the data becomes available, (2) once or twice daily, collect and update
6 SDG&E AMI usage data as data is available through SDG&E's normal MDMS load processes,
7 and (3) aggregate all customer usage data by core balancing agent (with forecasts for LUAF,
8 Company Use Fuel, and non-AMI metered customers for the SoCalGas Gas Acquisition
9 Department and forecasts for non-AMI metered customers for core transport agents (CTAs) and
10 send the aggregated AMI usage data to Envoy for posting by 3:00 p.m. on the next day. AMI
11 usage data for each SoCalGas Measurement Day (12:00 a.m. to 12:00 a.m.) would be based on
12 core AMI usage data recorded as of 12:00 a.m. PST of the Measurement Day, while AMI usage
13 data for each SDG&E Measurement Day (10:00 p.m. to 10:00 p.m.) would be based on core
14 AMI usage data recorded as of 10:00 p.m. of the Measurement Day.¹⁸

15 The AMI Data Aggregation System would be designed to report each core balancing
16 agent's AMI usage data to the respective core balancing agent by 3:00 p.m. on the next day for
17 two primary reasons. First, this is the earliest time SoCalGas and SDG&E anticipate being able
18 to reliably produce complete aggregated usage data by core balancing agent given the timing of
19 when SoCalGas' AMI data is available for processing. Second, this timing would support and be
20 consistent with Mr. Borkovich's recommendation that the gas scheduling Cycle 6 (currently 9:00
21 p.m. on the Gas Day) should be moved to the day following the Gas Day if the Commission were
22 to require core balancing agents to balance to actual demand.¹⁹ Providing core balancing agents

¹⁸ Direct Testimony of Jerry Stewart, p.2.

¹⁹ Prepared Rebuttal Testimony of Paul Borkovich at p. 20.

1 with their AMI usage data by 3:00 p.m. the day after the Gas Day would allow six hours during
2 which core balancing agents could make adjustments to their scheduled volumes using a
3 potentially new Cycle 6 nomination deadline of 9:00 p.m. the day after the Gas Day.

4 The AMI Data Aggregation System would be a high reliability system capable of
5 performing the aggregation tasks necessary to support the requirements to allow core balancing
6 agents to balance to AMI usage data per the above schedule. It would be designed and built to
7 support the highest level of availability and reliability and would be supported (define and by
8 whom?) 24 hours per day, 365 days per year. The existing Data Warehouse, MDMS, and ICDA
9 systems? are not capable of providing these required attributes.

10 SoCalGas and SDG&E have not fully scoped this potential AMI Data Aggregation
11 System project and accordingly cannot provide a detailed cost estimate at this time. It is also
12 likely that much of this work would be done in-house, so vendor bids in support of a cost
13 estimate are not likely obtainable. However, SoCalGas and SDG&E preliminarily estimate
14 implementation costs for such an AMI Data Aggregation System to be up to \$7 million and that
15 the project to take up to 18 months to complete.²⁰ As described in response to ALJ Ruling
16 Question 6 in Section VII above, none of this activity was contemplated nor accounted for in Mr.
17 Baldwin's Test Year 2019 GRC testimony. Accordingly, as described by Mr. Borkovich in his
18 Prepared Rebuttal Testimony, in the event the Commission orders incremental expenditures to
19 undertake this work, a regulatory accounting mechanism should be authorized for recording and
20 recovering reasonably incurred incremental costs.²¹

²⁰ This preliminary estimate does not include necessary changes and modifications to other SoCalGas and SDG&E systems that may be required for core balancing agents to balance to actual usage.

²¹ Prepared Rebuttal Testimony of Paul Borkovich at p. 21.

1 **IX. ALJ RULING QUESTION 8**

2 As we understand, SDG&E's AMI system records two daily gas
3 meter reads, at 7 a.m. and 10 p.m. PST, which are then sent by the
4 electric meter to the MDMS system sometime between midnight
5 and 6 a.m. PST. This data is then used to calculate daily usage for
6 each customer that has an AMI module on their gas system. The
7 SDG&E gas modules, unlike the SCG gas modules, are not
8 recording hourly data. (Stewart, Direct Testimony, A. 17-10-002,
9 October 2, 2017 at 2) And yet, SDG&E has been able to improve
10 the accuracy of its forecast by 50% by integrating AMI data.
11 (Chadhury [sic], Direct Testimony in A.17-10-002, at 6-7.) Please
12 explain the specific process and steps by which SDG&E is
13 incorporating AMI data into its forecasting, with reference to the
14 specific midnight-to-midnight Measurement Day periods.²²

15 **A. SDG&E's Reduction in Forecast Errors**

16 As a preliminary matter, SDG&E notes that the cited 50% reduction in forecast errors is
17 not attributable solely to the integration of the AMI data. There were two significant adjustments
18 to the core load forecasting process that impacted the calculated forecast errors. First, on
19 September 1, 2016, SDG&E shifted the daily 24-hour gas usage forecast from the 7 a.m.-to-7
20 a.m. Gas Day to the 12 a.m.-to-12 a.m. period. Second, on December 1, 2016, after gathering
21 and analyzing the most recent three years of historical AMI data available at the time, SDG&E
22 incorporated its AMI data into its daily core load forecasting process. Both of these significant
23 adjustments had the effect of reducing the measured forecast error of SDG&E's core load
24 forecasts in the following ways:

- 25 1) Prior to September 1, 2016, SDG&E forecasted gas usage for the 7 a.m.-to-7
26 a.m. Gas Day but calculated the forecast errors against estimated actual usage for
27 the 12 a.m.-to-12 a.m. period. From September 1, 2016 onward, SDG&E shifted
28 the daily 24-hour gas usage forecast from the 7 a.m.-to-7 a.m. Gas Day to the 12

²² ALJ Ruling at p. 3.

1 a.m.-to-12 a.m. period. Between September 1, 2016 and December 1, 2016,
2 SDG&E compared forecasted gas usage to estimated actual usage for the same
3 12 a.m.-to-12 a.m. period for calculating forecast errors.

4 From December 1, 2016 onward, SDG&E incorporated its AMI data into its 12
5 a.m.-to-12 a.m. forecasts. SDG&E also began calculating forecast errors by
6 comparing 12 a.m.-to-12 a.m. forecasts to AMI-based daily actual usage data for
7 the 10 p.m.-to-10 p.m. period.²³ The change from a 7 a.m.-to-7 a.m. daily
8 forecast period to a 12 a.m.-to-12 a.m. daily forecast period has also contributed
9 to reducing the calculated forecast errors apart from incorporation of the AMI
10 data into the forecasting process as explained by Mr. Chaudhury in his Rebuttal
11 Testimony.²⁴

12 2) The daily core usage data used by SDG&E as the benchmark to measure the
13 accuracy of the forecasts was changed to be AMI-based. Prior to this, the
14 benchmark was based on estimated actual usage data, which necessarily
15 contained some degree of inaccuracy because they were estimates of actual
16 usage. Using the more accurate benchmark of actual usage data has reduced the
17 measured forecast error.

18 3) Moving from using estimated actual usage data to actual usage data from
19 SDG&E's AMI system has allowed for more accurate tracking of forecast
20 performance. More accurate tracking has provided better information that has,

²³ Due to the unavailability of 12 a.m. to 12 a.m. AMI-based daily actual data from its AMI system, SDG&E has used and continues to use 10 p.m. to 10p.m. AMI-based daily actual usage data in calculating forecast errors.

²⁴ Rebuttal Testimony of Sharim Chaudhury, p. 3-6.

1 using the experience and judgment of the demand forecasting group, led to
2 improved manual adjustments to the forecasts.

- 3 4) SDG&E has developed and continues to update the DLFM forecasting model
4 using a full three years of historical AMI data. The improved accuracy of
5 SDG&E's AMI data compared to the estimated actual data that was used
6 previously has led to more accurate estimates of the effects of the variables in the
7 forecasting model on core usage.²⁵ Improvements in the estimates of these
8 effects has reduced the error of the forecasts produced by the forecasting model.

9 SDG&E has not quantified the respective contributions each of the four effects described
10 above has made in the overall reduction of SDG&E's forecast errors. However, it would be
11 inaccurate to attribute the entirety of the cited 50% reduction in SDG&E's forecast errors solely
12 to the incorporation of SDG&E's AMI data in the new SDG&E forecasting process.

13 It is also important to note that incorporating SoCalGas' AMI data into the SoCalGas'
14 core forecasting process likely will not produce the same degree of reduction in forecast errors as
15 has been seen for SDG&E for the following two reasons. First, consistent with SDG&E's core
16 forecast, SoCalGas has already shifted the forecasting period of SoCalGas' core usage to the
17 same 12 a.m.-to-12 a.m. period as the measurement period used to calculate the forecast errors.
18 Any reduction in forecast errors due to this change has already occurred and would not be
19 reflected as part of a shift to using SoCalGas AMI data in the SoCalGas forecasting process.
20 Second, reductions in SoCalGas' forecast errors from the use of SoCalGas' AMI data in its
21 forecasting model are likely to be limited by having only one year of historical AMI data as
22 compared to the three years of historical AMI data used to develop SDG&E's forecasting model.

²⁵ The descriptions of these variables are provided in the Direct Testimony of Sharim Chaudhury, p. 2-4.

1 SoCalGas plans to initially develop its AMI-based forecasting model based on one year
2 of AMI data as described in the response to ALJ Ruling Question 1 of this supplemental
3 testimony. As Mr. Chaudhury explained in his Direct Testimony, however, “[e]ven with access
4 to one full year of complete AMI data, some problems impacting forecasting performance would
5 remain. Any unusual retail core demand specific to that single year would be incorporated into
6 the DLFM and the resulting forecasts, potentially introducing forecast error until additional
7 historical data is available. Additional years of complete AMI data are likely to reduce this kind
8 of error.”²⁶

9 **B. SDG&E’s Incorporation of AMI Data Into Its Forecasting Process**

10 SDG&E’s AMI data has been incorporated into several steps of SDG&E’s core usage
11 forecasting process. These steps are summarized below:

- 12 1) SDG&E’s core usage forecasts are produced by the DLFM, a statistical model
13 that forecasts core usage based on temperature-related and calendar-related
14 predictor variables. In developing the DLFM, the historical relationships of these
15 predictor variables versus daily core usage are estimated. The DLFM then applies
16 these estimated relationships to the forecasted values of the predictor variables to
17 arrive at the forecasted core loads.²⁷ SDG&E previously used estimated daily
18 core usage data in the DLFM development process. As part of the incorporation
19 of the AMI data into SDG&E’s core usage forecasting process, the estimated
20 daily core usage data were replaced by the actual core usage data from SDG&E’s
21 AMI system when estimating the relationships between the predictor variables

²⁶ Direct Testimony of Sharim Chaudhury, p. 9-10.

²⁷ A more detailed description of the DLFM is in the Prepared Direct Testimony of Sharim Chaudhury, p. 1-5.

1 and daily core usage in the DLFM. Using the actual data have increased the
2 accuracy of the estimates of these relationships between the predictor variables
3 and daily core usage. This has contributed to the reduction in SDG&E's forecast
4 errors as described in part 1.d above.

5 2) As Mr. Chaudhury describes in his Prepared Direct Testimony:

6 The daily retail core demand forecasts are tracked and reviewed
7 regularly. After review, the forecasts produced by the DLFM are
8 sometime adjusted by the Demand Forecasting Group if it
9 determines that the accuracy of future forecasts will likely be
10 improved.²⁸

11 SDG&E's daily core usage forecasts were previously tracked versus estimated
12 daily core usage. As part of its incorporation of its AMI data, SDG&E began
13 tracking the forecasts versus actual daily core usage from its AMI system. Part
14 1.c above describes the contribution of this change to reducing SDG&E's forecast
15 errors.

16 3) Previously, SDG&E's forecasts were compared to estimates of daily core usage
17 when calculating its forecast errors. These estimates have been replaced with
18 actual, AMI-based data in the calculation of SDG&E's forecast errors as part of
19 SDG&E's incorporation of its AMI data. Part 1.b describes the contribution of
20 this change to reducing SDG&E's forecast errors.

21 **X. ALJ RULING QUESTION 9**

22 Given that SCG gas modules are recording hourly data, please
23 explain how the current four-times-daily millisecond uploads from
24 the customer's MDU to the DCU could be used in a similar
25 manner to the daily upload from SDG&E, with additional
26 programming at the HeadEnd and MDMS.²⁹

²⁸ *Id.* at 4.

²⁹ ALJ Ruling at p. 3.

1 Because each MTU transmits its data randomly every six hours, SoCalGas will have all
2 of the Measurement Day's obtainable data available in the MDMS by 3:00 p.m. the next day. As
3 described in response to ALJ Ruling Question 7 in Section VIII above, if the Commission was to
4 consider having core balancing agents balance to actual usage, SoCalGas and SDG&E would
5 recommend developing the AMI Data Aggregation System to aggregate daily each utility's AMI
6 customer usage data by core balancing agent for delivery to Envoy by 3:00 p.m. the next day.
7 This activity is preliminarily estimated to require up to 18 months to complete.

8 **XI. ALJ RULING QUESTION 10**

9 Since AMI data is accurate enough to be used for billing, and since
10 many non-core customers use the previous day's interval data to
11 schedule and balance their daily loads and thereby avoid OFO
12 penalties, please explain why SCG should or should not also be
13 required to use day-ahead, interval data to schedule and balance
14 their core load, and be subject to penalties if they fail to balance
15 their actual burn to the OFO limits imposed on other parties.
16 Several intervenors have testified that real-time data is not
17 necessary in order to achieve better accuracy in scheduling and
18 balancing to actual burn, and SDG&E's 50% improvement since
19 they began incorporating AMI data in their forecasting provides
20 incontrovertible evidence that this is true, as they have testified
21 that their AMI system does not provide real-time data. Please
22 explain how SCG could use day-before interval data to better
23 forecast and balance its core load.³⁰

24 As a preliminary note, the current use of AMI data in the core customer billing process at
25 SoCalGas and SDG&E is limited to providing monthly meter reads. Daily usage information
26 provided by the AMI systems that is made available to core customers through the respective
27 utility websites is advisory only and is not used for billing purposes.

28 Additionally, the justification of intervenors to have core balancing agents balance to
29 actual usage appears to be premised on their contention that core customers and noncore

³⁰ ALJ Ruling at p. 3-4.

1 customers should be treated the same. However, there are several significant distinctions
2 between core and noncore customers outlined below that support different treatment because
3 these customer classes are not the same in their respective abilities for obtaining data to balance
4 to actual usage.

5 The AMI systems authorized by respective Commission orders were not built to acquire
6 daily usage that could be allocated and aggregated to respective core balancing agents for
7 calculating OFO noncompliance charges.³¹ SoCalGas and SDG&E do not have systems
8 currently in place to aggregate daily usage for core balancing agents. Thus, it is impossible for
9 core balancing agents to balance to actual usage on the day following usage at this time.

10 Conversely, many noncore customers rely upon real time measurement information to
11 monitor their operations, including many of those represented by the intervenors in this
12 proceeding. Real-time usage data has been available to noncore customers and their balancing
13 agents entering into Data Access agreements with SoCalGas in various forms for years.
14 Previous day usage data has also been available to noncore customers and their balancing agents
15 on Envoy in time for OFO Day scheduled quantity adjustments traded on the next business day.
16 Previous day usage information has been provided to noncore customers and their balancing
17 agents on the SoCalGas EBB since the early 1990's. Neither option is available to core
18 balancing agents at this time.

19 Noncore customers can also obtain real-time measurement data contemporaneous with
20 their actual usage if they install an interconnection with their SoCalGas meter or install their own
21 check-meter. Accessing this data by noncore customers themselves or through their respective
22 balancing agents provides these customers the opportunity to adjust their usage or scheduled

³¹ SDG&E's AMI program was authorized under D.07-04-043 and SoCalGas' AMI was authorized under D.10-04-027.

1 deliveries during the Gas Day in order to comply with balancing requirements. To the extent
2 intervenors contend that access to real-time core measurement data is not necessary to achieve
3 better accuracy in scheduling and balancing to actual usage as referenced in ALJ Ruling
4 Question 10, it is important to acknowledge the different tools and data that have been and are
5 available to noncore customers.

6 Moreover, some noncore customers are able to forecast their usage with great accuracy
7 because their usage is more a function of their own operations and production schedules. Core
8 balancing agents are in a dissimilar position because they are subject to the decisions of a
9 multitude of customers in response to ambient weather conditions, which in the case of the
10 SoCalGas Gas Acquisition Department, would be over five million customers. Core balancing
11 agents have no direct influence over these customers' usage decisions. Furthermore, core
12 customer usage is primarily driven by temperatures, and temperature can only be forecasted
13 imperfectly. Mr. Borkovich provides further detail regarding these fundamental differences
14 between core and noncore customers, including availability of customer usage data, between
15 core balancing agents and noncore balancing agents, and he highlights an expectation that costs
16 for core customers will increase if core balancing agents are required to use actual usage for
17 compliance measurement.³²

18 As the Commission determined in the 2009 Omnibus Decision, core customers must
19 balance to a forecast because "it is not possible to obtain real-time usage information from each
20 core customer."³³ Almost eleven years later this observation is still correct. Because core

³² Prepared Rebuttal Testimony of Paul Borkovich, p. 13-15.

³³ D.07-12-019, p. 57, ¶ 1 (Although Indicated Producers object to Applicants' core balancing proposal because core will balance to forecasted rather than actual usage, it is not physically possible to obtain real-time usage information from each core customer. As a result, core must balance to a forecast.)

1 customers still do not have access to real-time usage, this aspect of the Omnibus Decision should
2 remain unchanged.

3 Regarding the use of core customer day-before interval data in the forecasting and
4 balancing process, day-before AMI data for core customers is not available until 5 p.m. on the
5 following day.³⁴ It is not currently possible to incorporate this data in the existing daily
6 forecasting process because the core demand forecasts are generated at 6:35 a.m., prior to the
7 availability of the day-before AMI data. Even if this data were to become available prior to
8 calculation of the daily core demand forecast, it is not clear that a new model that includes the
9 day-before AMI data would be superior to the current model.³⁵ This is because SoCalGas and
10 SDG&E have found that the main drivers of core gas demand are ambient temperature and
11 various seasonal effects that follow the calendar. As Mr. Chaudhury explains in his Direct
12 Testimony,³⁶ SoCalGas and SDG&E already include these main demand drivers in their
13 forecasting processes. Therefore, it is possible that incorporating the day-before AMI data
14 would not improve the forecast since these main demand drivers are already present in the
15 forecasting model.

16 Thus, having core balancing agents balance to actual usage will put them at a
17 disadvantage to noncore balancing agents who can access previous day usage data and real-time
18 usage data. For the reasons described above, core balancing agents should not be required to use
19 actual usage for daily balancing compliance measurement.

20 This concludes our supplemental testimony.

³⁴ Direct Testimony of David Mercer, p. 4-5.

³⁵ The current SDG&E forecasting model incorporates historical AMI data. However, it does not require *day-before* AMI data.

³⁶ Direct Testimony of Sharim Chaudhury, p. 2-4.

ATTACHMENT A

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SoCalGas Active Advanced Meter Opt-Out Customers by Zip Code (as of December 2016 and 2017 and October 2018)

| 2016 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 90001 | 60 |
| 90002 | 83 |
| 90003 | 215 |
| 90004 | 183 |
| 90005 | 60 |
| 90006 | 148 |
| 90007 | 50 |
| 90008 | 112 |
| 90010 | 2 |
| 90011 | 182 |
| 90012 | 10 |
| 90015 | 27 |
| 90016 | 28 |
| 90017 | 15 |
| 90018 | 88 |
| 90019 | 175 |
| 90020 | 50 |
| 90022 | 29 |
| 90023 | 16 |
| 90024 | 44 |
| 90025 | 55 |
| 90026 | 236 |
| 90027 | 137 |
| 90028 | 55 |
| 90029 | 86 |
| 90031 | 31 |
| 90032 | 37 |
| 90033 | 43 |
| 90034 | 123 |
| 90035 | 75 |
| 90036 | 112 |
| 90037 | 128 |
| 90038 | 85 |
| 90039 | 94 |
| 90040 | 7 |
| 90041 | 36 |
| 90042 | 69 |
| 90043 | 222 |
| 90044 | 183 |
| 90045 | 65 |
| 90046 | 330 |
| 90047 | 132 |
| 90048 | 166 |
| 90049 | 139 |
| 90056 | 28 |
| 90057 | 47 |
| 90058 | 5 |
| 90059 | 84 |
| 90061 | 60 |
| 90062 | 63 |
| 90063 | 46 |
| 90064 | 85 |
| 90065 | 67 |
| 90066 | 180 |
| 90068 | 181 |
| 90069 | 151 |
| 90077 | 102 |
| 90201 | 22 |
| 90210 | 250 |
| 90211 | 41 |
| 90212 | 65 |
| 90220 | 33 |
| 90221 | 44 |
| 90222 | 26 |
| 90230 | 32 |
| 90232 | 5 |
| 90240 | 15 |
| 90241 | 23 |
| 90242 | 21 |
| 90245 | 13 |

| 2017 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 90001 | 50 |
| 90002 | 72 |
| 90003 | 157 |
| 90004 | 158 |
| 90005 | 44 |
| 90006 | 145 |
| 90007 | 37 |
| 90008 | 100 |
| 90010 | 1 |
| 90011 | 110 |
| 90012 | 16 |
| 90015 | 22 |
| 90016 | 105 |
| 90017 | 14 |
| 90018 | 82 |
| 90019 | 186 |
| 90020 | 38 |
| 90022 | 22 |
| 90023 | 12 |
| 90024 | 39 |
| 90025 | 54 |
| 90026 | 242 |
| 90027 | 110 |
| 90028 | 43 |
| 90029 | 94 |
| 90031 | 26 |
| 90032 | 31 |
| 90033 | 35 |
| 90034 | 93 |
| 90035 | 58 |
| 90036 | 91 |
| 90037 | 88 |
| 90038 | 71 |
| 90039 | 80 |
| 90040 | 6 |
| 90041 | 25 |
| 90042 | 52 |
| 90043 | 240 |
| 90044 | 141 |
| 90045 | 58 |
| 90046 | 238 |
| 90047 | 118 |
| 90048 | 107 |
| 90049 | 131 |
| 90056 | 27 |
| 90057 | 35 |
| 90059 | 61 |
| 90061 | 49 |
| 90062 | 51 |
| 90063 | 42 |
| 90064 | 79 |
| 90065 | 55 |
| 90066 | 139 |
| 90068 | 143 |
| 90069 | 94 |
| 90077 | 65 |
| 90094 | 2 |
| 90201 | 18 |
| 90210 | 165 |
| 90211 | 26 |
| 90212 | 41 |
| 90220 | 23 |
| 90221 | 37 |
| 90222 | 23 |
| 90230 | 51 |
| 90232 | 30 |
| 90240 | 11 |
| 90241 | 21 |
| 90242 | 16 |
| 90245 | 14 |

| 2018 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 90001 | 39 |
| 90002 | 58 |
| 90003 | 107 |
| 90004 | 116 |
| 90005 | 32 |
| 90006 | 116 |
| 90007 | 30 |
| 90008 | 68 |
| 90010 | 1 |
| 90011 | 93 |
| 90012 | 13 |
| 90015 | 19 |
| 90016 | 77 |
| 90017 | 9 |
| 90018 | 66 |
| 90019 | 143 |
| 90020 | 28 |
| 90022 | 17 |
| 90023 | 10 |
| 90024 | 32 |
| 90025 | 43 |
| 90026 | 191 |
| 90027 | 90 |
| 90028 | 32 |
| 90029 | 65 |
| 90031 | 21 |
| 90032 | 26 |
| 90033 | 29 |
| 90034 | 74 |
| 90035 | 44 |
| 90036 | 65 |
| 90037 | 72 |
| 90038 | 59 |
| 90039 | 61 |
| 90040 | 6 |
| 90041 | 20 |
| 90042 | 49 |
| 90043 | 184 |
| 90044 | 79 |
| 90045 | 48 |
| 90046 | 190 |
| 90047 | 62 |
| 90048 | 79 |
| 90049 | 108 |
| 90056 | 23 |
| 90057 | 26 |
| 90059 | 46 |
| 90061 | 42 |
| 90062 | 39 |
| 90063 | 30 |
| 90064 | 71 |
| 90065 | 46 |
| 90066 | 106 |
| 90068 | 115 |
| 90069 | 62 |
| 90077 | 49 |
| 90094 | 2 |
| 90201 | 14 |
| 90210 | 138 |
| 90211 | 17 |
| 90212 | 35 |
| 90220 | 22 |
| 90221 | 36 |
| 90222 | 20 |
| 90230 | 42 |
| 90232 | 25 |
| 90240 | 9 |
| 90241 | 18 |
| 90242 | 11 |
| 90245 | 13 |

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SoCalGas Active Advanced Meter Opt-Out Customers by Zip Code (as of December 2016 and 2017 and October 2018)

| 2016 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 90247 | 39 |
| 90249 | 35 |
| 90250 | 80 |
| 90254 | 36 |
| 90255 | 13 |
| 90260 | 3 |
| 90262 | 37 |
| 90265 | 64 |
| 90270 | 6 |
| 90272 | 110 |
| 90274 | 67 |
| 90275 | 75 |
| 90277 | 37 |
| 90280 | 31 |
| 90290 | 6 |
| 90291 | 276 |
| 90292 | 35 |
| 90293 | 21 |
| 90301 | 41 |
| 90302 | 41 |
| 90303 | 54 |
| 90304 | 41 |
| 90305 | 41 |
| 90401 | 7 |
| 90402 | 66 |
| 90403 | 31 |
| 90404 | 28 |
| 90405 | 70 |
| 90501 | 90 |
| 90502 | 77 |
| 90503 | 8 |
| 90505 | 73 |
| 90601 | 46 |
| 90602 | 39 |
| 90603 | 18 |
| 90604 | 60 |
| 90605 | 79 |
| 90606 | 48 |
| 90620 | 86 |
| 90621 | 25 |
| 90623 | 14 |
| 90630 | 72 |
| 90631 | 76 |
| 90638 | 60 |
| 90640 | 20 |
| 90650 | 55 |
| 90660 | 61 |
| 90670 | 13 |
| 90680 | 28 |
| 90701 | 4 |
| 90703 | 21 |
| 90706 | 16 |
| 90710 | 53 |
| 90712 | 13 |
| 90713 | 18 |
| 90715 | 9 |
| 90716 | 1 |
| 90717 | 49 |
| 90720 | 57 |
| 90723 | 7 |
| 90731 | 149 |
| 90732 | 29 |
| 90740 | 31 |
| 90742 | 1 |
| 90743 | 2 |
| 90744 | 113 |
| 90745 | 100 |
| 90746 | 38 |
| 90810 | 4 |
| 91001 | 60 |

| 2017 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 90247 | 43 |
| 90248 | 6 |
| 90249 | 36 |
| 90250 | 58 |
| 90254 | 28 |
| 90255 | 11 |
| 90260 | 36 |
| 90262 | 31 |
| 90265 | 79 |
| 90266 | 49 |
| 90270 | 5 |
| 90272 | 97 |
| 90274 | 55 |
| 90275 | 59 |
| 90277 | 53 |
| 90278 | 42 |
| 90280 | 22 |
| 90290 | 5 |
| 90291 | 221 |
| 90292 | 25 |
| 90293 | 17 |
| 90301 | 28 |
| 90302 | 23 |
| 90303 | 37 |
| 90304 | 25 |
| 90305 | 46 |
| 90401 | 2 |
| 90402 | 56 |
| 90403 | 29 |
| 90404 | 18 |
| 90405 | 60 |
| 90501 | 91 |
| 90502 | 65 |
| 90503 | 43 |
| 90504 | 42 |
| 90505 | 58 |
| 90601 | 33 |
| 90602 | 29 |
| 90603 | 15 |
| 90604 | 52 |
| 90605 | 60 |
| 90606 | 35 |
| 90620 | 67 |
| 90621 | 21 |
| 90623 | 13 |
| 90630 | 55 |
| 90631 | 56 |
| 90638 | 48 |
| 90640 | 15 |
| 90650 | 40 |
| 90660 | 42 |
| 90670 | 9 |
| 90680 | 23 |
| 90701 | 2 |
| 90703 | 20 |
| 90706 | 13 |
| 90710 | 39 |
| 90712 | 13 |
| 90713 | 20 |
| 90715 | 9 |
| 90716 | 1 |
| 90717 | 33 |
| 90720 | 44 |
| 90723 | 5 |
| 90731 | 110 |
| 90732 | 27 |
| 90740 | 31 |
| 90742 | 1 |
| 90743 | 1 |
| 90744 | 94 |

| 2018 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 90247 | 34 |
| 90248 | 6 |
| 90249 | 26 |
| 90250 | 33 |
| 90254 | 23 |
| 90255 | 10 |
| 90260 | 26 |
| 90262 | 29 |
| 90265 | 98 |
| 90266 | 40 |
| 90270 | 5 |
| 90272 | 85 |
| 90274 | 53 |
| 90275 | 46 |
| 90277 | 40 |
| 90278 | 30 |
| 90280 | 19 |
| 90290 | 5 |
| 90291 | 183 |
| 90292 | 19 |
| 90293 | 13 |
| 90301 | 21 |
| 90302 | 12 |
| 90303 | 26 |
| 90304 | 18 |
| 90305 | 38 |
| 90401 | 2 |
| 90402 | 50 |
| 90403 | 26 |
| 90404 | 15 |
| 90405 | 46 |
| 90501 | 70 |
| 90502 | 47 |
| 90503 | 33 |
| 90504 | 34 |
| 90505 | 50 |
| 90601 | 26 |
| 90602 | 22 |
| 90603 | 15 |
| 90604 | 42 |
| 90605 | 42 |
| 90606 | 26 |
| 90620 | 62 |
| 90621 | 20 |
| 90623 | 13 |
| 90630 | 48 |
| 90631 | 48 |
| 90638 | 35 |
| 90640 | 11 |
| 90650 | 34 |
| 90660 | 37 |
| 90670 | 6 |
| 90680 | 23 |
| 90701 | 1 |
| 90703 | 20 |
| 90706 | 13 |
| 90710 | 31 |
| 90712 | 11 |
| 90713 | 19 |
| 90715 | 7 |
| 90716 | 1 |
| 90717 | 22 |
| 90720 | 40 |
| 90723 | 4 |
| 90731 | 85 |
| 90732 | 19 |
| 90740 | 26 |
| 90742 | 1 |
| 90743 | 1 |
| 90744 | 58 |

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| 2016 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 91006 | 12 |
| 91007 | 17 |
| 91008 | 3 |
| 91010 | 19 |
| 91011 | 21 |
| 91016 | 27 |
| 91020 | 10 |
| 91024 | 16 |
| 91030 | 22 |
| 91040 | 46 |
| 91042 | 65 |
| 91103 | 24 |
| 91104 | 42 |
| 91105 | 15 |
| 91106 | 17 |
| 91107 | 30 |
| 91108 | 15 |
| 91201 | 17 |
| 91202 | 25 |
| 91204 | 2 |
| 91205 | 16 |
| 91206 | 18 |
| 91207 | 12 |
| 91208 | 22 |
| 91214 | 26 |
| 91301 | 92 |
| 91302 | 115 |
| 91303 | 65 |
| 91304 | 88 |
| 91306 | 150 |
| 91307 | 106 |
| 91311 | 105 |
| 91316 | 73 |
| 91320 | 194 |
| 91321 | 58 |
| 91324 | 59 |
| 91325 | 74 |
| 91326 | 55 |
| 91331 | 169 |
| 91335 | 175 |
| 91340 | 85 |
| 91342 | 259 |
| 91343 | 95 |
| 91344 | 114 |
| 91345 | 38 |
| 91350 | 61 |
| 91351 | 37 |
| 91352 | 155 |
| 91354 | 42 |
| 91355 | 40 |
| 91356 | 77 |
| 91360 | 210 |
| 91361 | 107 |
| 91362 | 121 |
| 91364 | 121 |
| 91367 | 132 |
| 91377 | 33 |
| 91381 | 20 |
| 91384 | 39 |
| 91387 | 41 |
| 91390 | 27 |
| 91401 | 56 |
| 91402 | 42 |
| 91403 | 34 |
| 91405 | 39 |
| 91406 | 89 |
| 91411 | 23 |
| 91423 | 56 |
| 91436 | 57 |
| 91501 | 10 |

| 2017 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 90745 | 78 |
| 90746 | 34 |
| 90810 | 4 |
| 91001 | 58 |
| 91006 | 11 |
| 91007 | 15 |
| 91008 | 3 |
| 91010 | 15 |
| 91011 | 22 |
| 91016 | 21 |
| 91020 | 7 |
| 91024 | 15 |
| 91030 | 19 |
| 91040 | 40 |
| 91042 | 61 |
| 91101 | 1 |
| 91103 | 18 |
| 91104 | 40 |
| 91105 | 15 |
| 91106 | 18 |
| 91107 | 30 |
| 91108 | 15 |
| 91201 | 12 |
| 91202 | 24 |
| 91203 | 2 |
| 91204 | 1 |
| 91205 | 14 |
| 91206 | 14 |
| 91207 | 11 |
| 91208 | 20 |
| 91214 | 28 |
| 91301 | 84 |
| 91302 | 107 |
| 91303 | 51 |
| 91304 | 71 |
| 91306 | 113 |
| 91307 | 83 |
| 91311 | 81 |
| 91316 | 54 |
| 91320 | 163 |
| 91321 | 52 |
| 91324 | 44 |
| 91325 | 64 |
| 91326 | 43 |
| 91331 | 121 |
| 91335 | 135 |
| 91340 | 61 |
| 91342 | 210 |
| 91343 | 72 |
| 91344 | 97 |
| 91345 | 33 |
| 91350 | 53 |
| 91351 | 33 |
| 91352 | 117 |
| 91354 | 35 |
| 91355 | 34 |
| 91356 | 70 |
| 91360 | 183 |
| 91361 | 85 |
| 91362 | 109 |
| 91364 | 91 |
| 91367 | 101 |
| 91377 | 25 |
| 91381 | 19 |
| 91384 | 36 |
| 91387 | 35 |
| 91390 | 25 |
| 91401 | 46 |
| 91402 | 28 |
| 91403 | 24 |

| 2018 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 90745 | 71 |
| 90746 | 30 |
| 90810 | 4 |
| 91001 | 54 |
| 91006 | 11 |
| 91007 | 15 |
| 91008 | 2 |
| 91010 | 13 |
| 91011 | 23 |
| 91016 | 16 |
| 91020 | 7 |
| 91024 | 14 |
| 91030 | 16 |
| 91040 | 34 |
| 91042 | 58 |
| 91103 | 16 |
| 91104 | 36 |
| 91105 | 15 |
| 91106 | 16 |
| 91107 | 29 |
| 91108 | 16 |
| 91201 | 11 |
| 91202 | 23 |
| 91203 | 2 |
| 91204 | 1 |
| 91205 | 12 |
| 91206 | 10 |
| 91207 | 10 |
| 91208 | 20 |
| 91214 | 24 |
| 91301 | 85 |
| 91302 | 101 |
| 91303 | 43 |
| 91304 | 64 |
| 91306 | 93 |
| 91307 | 79 |
| 91311 | 74 |
| 91316 | 47 |
| 91320 | 157 |
| 91321 | 45 |
| 91324 | 40 |
| 91325 | 58 |
| 91326 | 37 |
| 91331 | 103 |
| 91335 | 107 |
| 91340 | 56 |
| 91342 | 184 |
| 91343 | 64 |
| 91344 | 83 |
| 91345 | 29 |
| 91350 | 46 |
| 91351 | 27 |
| 91352 | 106 |
| 91354 | 30 |
| 91355 | 28 |
| 91356 | 62 |
| 91360 | 169 |
| 91361 | 78 |
| 91362 | 103 |
| 91364 | 80 |
| 91367 | 91 |
| 91377 | 26 |
| 91381 | 17 |
| 91384 | 30 |
| 91387 | 29 |
| 91390 | 23 |
| 91401 | 36 |
| 91402 | 27 |
| 91403 | 21 |
| 91405 | 26 |

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SoCalGas Active Advanced Meter Opt-Out Customers by Zip Code (as of December 2016 and 2017 and October 2018)

| 2016 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 91502 | 2 |
| 91504 | 16 |
| 91505 | 47 |
| 91506 | 31 |
| 91601 | 75 |
| 91602 | 66 |
| 91604 | 59 |
| 91605 | 89 |
| 91606 | 107 |
| 91607 | 37 |
| 91701 | 112 |
| 91702 | 46 |
| 91706 | 38 |
| 91709 | 133 |
| 91710 | 230 |
| 91711 | 47 |
| 91722 | 42 |
| 91723 | 12 |
| 91724 | 25 |
| 91730 | 129 |
| 91731 | 6 |
| 91732 | 43 |
| 91733 | 25 |
| 91737 | 66 |
| 91739 | 33 |
| 91740 | 25 |
| 91741 | 26 |
| 91744 | 70 |
| 91745 | 74 |
| 91746 | 51 |
| 91748 | 42 |
| 91750 | 35 |
| 91752 | 89 |
| 91754 | 19 |
| 91755 | 16 |
| 91761 | 113 |
| 91762 | 175 |
| 91763 | 127 |
| 91764 | 171 |
| 91765 | 73 |
| 91766 | 180 |
| 91767 | 130 |
| 91768 | 57 |
| 91770 | 28 |
| 91773 | 28 |
| 91775 | 16 |
| 91776 | 17 |
| 91780 | 23 |
| 91784 | 101 |
| 91786 | 169 |
| 91789 | 36 |
| 91790 | 49 |
| 91791 | 27 |
| 91792 | 17 |
| 91801 | 18 |
| 91803 | 16 |
| 92201 | 27 |
| 92203 | 12 |
| 92210 | 5 |
| 92211 | 22 |
| 92220 | 11 |
| 92223 | 32 |
| 92225 | 2 |
| 92227 | 4 |
| 92230 | 5 |
| 92231 | 3 |
| 92234 | 17 |
| 92236 | 12 |
| 92240 | 14 |
| 92241 | 3 |

| 2017 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 91405 | 27 |
| 91406 | 71 |
| 91411 | 18 |
| 91423 | 50 |
| 91436 | 38 |
| 91501 | 10 |
| 91502 | 1 |
| 91504 | 17 |
| 91505 | 38 |
| 91506 | 29 |
| 91601 | 59 |
| 91602 | 52 |
| 91604 | 47 |
| 91605 | 68 |
| 91606 | 87 |
| 91607 | 33 |
| 91701 | 74 |
| 91702 | 36 |
| 91706 | 35 |
| 91709 | 86 |
| 91710 | 150 |
| 91711 | 41 |
| 91722 | 23 |
| 91723 | 11 |
| 91724 | 19 |
| 91730 | 88 |
| 91731 | 6 |
| 91732 | 35 |
| 91733 | 20 |
| 91737 | 50 |
| 91739 | 23 |
| 91740 | 22 |
| 91741 | 23 |
| 91744 | 51 |
| 91745 | 55 |
| 91746 | 36 |
| 91748 | 28 |
| 91750 | 27 |
| 91752 | 62 |
| 91754 | 17 |
| 91755 | 13 |
| 91761 | 69 |
| 91762 | 98 |
| 91763 | 74 |
| 91764 | 99 |
| 91765 | 47 |
| 91766 | 113 |
| 91767 | 95 |
| 91768 | 36 |
| 91770 | 24 |
| 91773 | 21 |
| 91775 | 16 |
| 91776 | 16 |
| 91780 | 20 |
| 91784 | 78 |
| 91786 | 105 |
| 91789 | 23 |
| 91790 | 34 |
| 91791 | 19 |
| 91792 | 15 |
| 91801 | 14 |
| 91803 | 14 |
| 92201 | 19 |
| 92203 | 10 |
| 92210 | 3 |
| 92211 | 21 |
| 92220 | 10 |
| 92223 | 25 |
| 92225 | 2 |
| 92227 | 3 |

| 2018 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 91406 | 64 |
| 91411 | 17 |
| 91423 | 43 |
| 91436 | 33 |
| 91501 | 9 |
| 91502 | 1 |
| 91504 | 15 |
| 91505 | 30 |
| 91506 | 24 |
| 91601 | 50 |
| 91602 | 42 |
| 91604 | 42 |
| 91605 | 54 |
| 91606 | 78 |
| 91607 | 30 |
| 91701 | 65 |
| 91702 | 29 |
| 91706 | 29 |
| 91709 | 72 |
| 91710 | 133 |
| 91711 | 37 |
| 91722 | 20 |
| 91723 | 8 |
| 91724 | 18 |
| 91730 | 78 |
| 91731 | 5 |
| 91732 | 29 |
| 91733 | 13 |
| 91737 | 47 |
| 91739 | 21 |
| 91740 | 17 |
| 91741 | 20 |
| 91744 | 42 |
| 91745 | 47 |
| 91746 | 30 |
| 91748 | 20 |
| 91750 | 24 |
| 91752 | 43 |
| 91754 | 15 |
| 91755 | 11 |
| 91761 | 60 |
| 91762 | 84 |
| 91763 | 61 |
| 91764 | 83 |
| 91765 | 41 |
| 91766 | 98 |
| 91767 | 79 |
| 91768 | 30 |
| 91770 | 22 |
| 91773 | 19 |
| 91775 | 15 |
| 91776 | 11 |
| 91780 | 18 |
| 91784 | 67 |
| 91786 | 93 |
| 91789 | 22 |
| 91790 | 32 |
| 91791 | 14 |
| 91792 | 11 |
| 91801 | 14 |
| 91803 | 11 |
| 92201 | 19 |
| 92203 | 9 |
| 92210 | 3 |
| 92211 | 19 |
| 92220 | 9 |
| 92223 | 25 |
| 92225 | 2 |
| 92227 | 3 |
| 92230 | 3 |

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SoCalGas Active Advanced Meter Opt-Out Customers by Zip Code (as of December 2016 and 2017 and October 2018)

| 2016 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 92243 | 9 |
| 92251 | 3 |
| 92252 | 6 |
| 92253 | 25 |
| 92256 | 2 |
| 92260 | 23 |
| 92262 | 34 |
| 92264 | 24 |
| 92270 | 26 |
| 92274 | 1 |
| 92276 | 7 |
| 92277 | 11 |
| 92284 | 24 |
| 92316 | 91 |
| 92320 | 13 |
| 92335 | 153 |
| 92336 | 96 |
| 92337 | 37 |
| 92346 | 89 |
| 92352 | 9 |
| 92359 | 33 |
| 92373 | 116 |
| 92374 | 185 |
| 92376 | 4 |
| 92377 | 9 |
| 92382 | 10 |
| 92385 | 3 |
| 92397 | 8 |
| 92399 | 45 |
| 92404 | 44 |
| 92405 | 14 |
| 92407 | 7 |
| 92501 | 46 |
| 92503 | 111 |
| 92504 | 84 |
| 92505 | 42 |
| 92506 | 93 |
| 92507 | 54 |
| 92508 | 60 |
| 92509 | 137 |
| 92530 | 60 |
| 92532 | 14 |
| 92543 | 25 |
| 92544 | 60 |
| 92545 | 14 |
| 92548 | 11 |
| 92551 | 26 |
| 92553 | 53 |
| 92555 | 22 |
| 92557 | 40 |
| 92562 | 20 |
| 92563 | 17 |
| 92567 | 6 |
| 92570 | 81 |
| 92571 | 13 |
| 92582 | 7 |
| 92583 | 17 |
| 92584 | 9 |
| 92585 | 16 |
| 92586 | 9 |
| 92590 | 2 |
| 92591 | 19 |
| 92592 | 33 |
| 92595 | 39 |
| 92596 | 13 |
| 92603 | 49 |
| 92604 | 50 |
| 92606 | 3 |
| 92610 | 4 |
| 92612 | 27 |

| 2017 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 92230 | 4 |
| 92231 | 1 |
| 92234 | 11 |
| 92236 | 6 |
| 92240 | 13 |
| 92241 | 1 |
| 92243 | 9 |
| 92251 | 2 |
| 92252 | 5 |
| 92253 | 22 |
| 92256 | 2 |
| 92260 | 20 |
| 92262 | 28 |
| 92264 | 18 |
| 92270 | 24 |
| 92276 | 5 |
| 92277 | 11 |
| 92284 | 22 |
| 92313 | 45 |
| 92316 | 80 |
| 92318 | 1 |
| 92320 | 13 |
| 92322 | 6 |
| 92324 | 120 |
| 92325 | 40 |
| 92335 | 93 |
| 92336 | 53 |
| 92337 | 29 |
| 92346 | 116 |
| 92352 | 33 |
| 92354 | 27 |
| 92359 | 26 |
| 92373 | 96 |
| 92374 | 134 |
| 92376 | 220 |
| 92377 | 70 |
| 92378 | 2 |
| 92382 | 11 |
| 92385 | 3 |
| 92391 | 6 |
| 92397 | 9 |
| 92399 | 38 |
| 92401 | 2 |
| 92404 | 82 |
| 92405 | 45 |
| 92407 | 43 |
| 92408 | 31 |
| 92410 | 152 |
| 92411 | 19 |
| 92501 | 31 |
| 92503 | 71 |
| 92504 | 60 |
| 92505 | 31 |
| 92506 | 70 |
| 92507 | 37 |
| 92508 | 44 |
| 92509 | 95 |
| 92530 | 40 |
| 92532 | 13 |
| 92543 | 15 |
| 92544 | 48 |
| 92545 | 15 |
| 92548 | 8 |
| 92551 | 18 |
| 92553 | 43 |
| 92555 | 16 |
| 92557 | 27 |
| 92562 | 12 |
| 92563 | 14 |
| 92567 | 3 |

| 2018 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 92231 | 1 |
| 92234 | 10 |
| 92236 | 6 |
| 92240 | 13 |
| 92243 | 8 |
| 92251 | 2 |
| 92252 | 5 |
| 92253 | 21 |
| 92256 | 2 |
| 92260 | 20 |
| 92262 | 25 |
| 92264 | 16 |
| 92270 | 23 |
| 92276 | 4 |
| 92277 | 9 |
| 92284 | 19 |
| 92313 | 36 |
| 92316 | 56 |
| 92320 | 12 |
| 92322 | 6 |
| 92324 | 87 |
| 92325 | 30 |
| 92335 | 77 |
| 92336 | 40 |
| 92337 | 22 |
| 92346 | 91 |
| 92352 | 27 |
| 92354 | 21 |
| 92359 | 22 |
| 92373 | 70 |
| 92374 | 95 |
| 92376 | 173 |
| 92377 | 60 |
| 92382 | 11 |
| 92385 | 3 |
| 92391 | 6 |
| 92397 | 9 |
| 92399 | 31 |
| 92401 | 1 |
| 92404 | 58 |
| 92405 | 31 |
| 92407 | 32 |
| 92408 | 22 |
| 92410 | 116 |
| 92411 | 14 |
| 92501 | 26 |
| 92503 | 57 |
| 92504 | 45 |
| 92505 | 24 |
| 92506 | 56 |
| 92507 | 27 |
| 92508 | 38 |
| 92509 | 78 |
| 92530 | 33 |
| 92532 | 11 |
| 92543 | 9 |
| 92544 | 40 |
| 92545 | 14 |
| 92548 | 6 |
| 92551 | 14 |
| 92553 | 35 |
| 92555 | 14 |
| 92557 | 23 |
| 92562 | 10 |
| 92563 | 15 |
| 92567 | 3 |
| 92570 | 44 |
| 92571 | 9 |
| 92582 | 5 |
| 92583 | 11 |

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| 2016 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 92614 | 28 |
| 92617 | 6 |
| 92618 | 4 |
| 92620 | 25 |
| 92624 | 25 |
| 92625 | 34 |
| 92626 | 2 |
| 92627 | 23 |
| 92629 | 40 |
| 92630 | 68 |
| 92646 | 211 |
| 92647 | 168 |
| 92648 | 100 |
| 92649 | 63 |
| 92651 | 77 |
| 92653 | 27 |
| 92655 | 2 |
| 92656 | 27 |
| 92657 | 13 |
| 92660 | 55 |
| 92661 | 12 |
| 92662 | 11 |
| 92663 | 32 |
| 92672 | 69 |
| 92673 | 58 |
| 92675 | 58 |
| 92676 | 1 |
| 92677 | 79 |
| 92679 | 41 |
| 92683 | 171 |
| 92688 | 28 |
| 92691 | 126 |
| 92692 | 86 |
| 92694 | 9 |
| 92701 | 29 |
| 92703 | 83 |
| 92704 | 64 |
| 92705 | 81 |
| 92706 | 57 |
| 92707 | 18 |
| 92708 | 73 |
| 92780 | 46 |
| 92782 | 2 |
| 92801 | 80 |
| 92802 | 37 |
| 92804 | 169 |
| 92805 | 66 |
| 92806 | 30 |
| 92807 | 41 |
| 92808 | 12 |
| 92821 | 19 |
| 92823 | 3 |
| 92831 | 20 |
| 92832 | 24 |
| 92833 | 73 |
| 92835 | 20 |
| 92840 | 95 |
| 92841 | 104 |
| 92843 | 81 |
| 92844 | 41 |
| 92845 | 48 |
| 92860 | 107 |
| 92861 | 20 |
| 92865 | 16 |
| 92866 | 13 |
| 92867 | 78 |
| 92868 | 20 |
| 92869 | 76 |
| 92870 | 34 |
| 92879 | 78 |

| 2017 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 92570 | 57 |
| 92571 | 9 |
| 92582 | 6 |
| 92583 | 16 |
| 92584 | 7 |
| 92585 | 11 |
| 92586 | 7 |
| 92590 | 1 |
| 92591 | 20 |
| 92592 | 29 |
| 92595 | 33 |
| 92596 | 12 |
| 92602 | 8 |
| 92603 | 41 |
| 92604 | 36 |
| 92606 | 10 |
| 92610 | 4 |
| 92612 | 25 |
| 92614 | 23 |
| 92617 | 5 |
| 92618 | 4 |
| 92620 | 23 |
| 92624 | 24 |
| 92625 | 31 |
| 92626 | 49 |
| 92627 | 61 |
| 92629 | 36 |
| 92630 | 57 |
| 92646 | 181 |
| 92647 | 123 |
| 92648 | 86 |
| 92649 | 65 |
| 92651 | 73 |
| 92653 | 24 |
| 92655 | 5 |
| 92656 | 26 |
| 92657 | 15 |
| 92660 | 60 |
| 92661 | 14 |
| 92662 | 16 |
| 92663 | 38 |
| 92672 | 45 |
| 92673 | 46 |
| 92675 | 47 |
| 92676 | 1 |
| 92677 | 72 |
| 92679 | 36 |
| 92683 | 143 |
| 92688 | 26 |
| 92691 | 101 |
| 92692 | 72 |
| 92694 | 9 |
| 92701 | 26 |
| 92703 | 64 |
| 92704 | 97 |
| 92705 | 74 |
| 92706 | 50 |
| 92707 | 64 |
| 92708 | 59 |
| 92780 | 59 |
| 92782 | 12 |
| 92801 | 61 |
| 92802 | 32 |
| 92804 | 136 |
| 92805 | 49 |
| 92806 | 28 |
| 92807 | 42 |
| 92808 | 12 |
| 92821 | 17 |
| 92823 | 3 |

| 2018 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 92584 | 8 |
| 92585 | 9 |
| 92586 | 8 |
| 92591 | 17 |
| 92592 | 28 |
| 92595 | 29 |
| 92596 | 13 |
| 92602 | 7 |
| 92603 | 40 |
| 92604 | 29 |
| 92606 | 8 |
| 92610 | 4 |
| 92612 | 23 |
| 92614 | 19 |
| 92617 | 5 |
| 92618 | 6 |
| 92620 | 22 |
| 92624 | 19 |
| 92625 | 25 |
| 92626 | 48 |
| 92627 | 54 |
| 92629 | 33 |
| 92630 | 45 |
| 92646 | 166 |
| 92647 | 106 |
| 92648 | 69 |
| 92649 | 57 |
| 92651 | 68 |
| 92653 | 23 |
| 92655 | 5 |
| 92656 | 23 |
| 92657 | 14 |
| 92660 | 56 |
| 92661 | 13 |
| 92662 | 12 |
| 92663 | 29 |
| 92672 | 41 |
| 92673 | 39 |
| 92675 | 48 |
| 92677 | 68 |
| 92679 | 33 |
| 92683 | 125 |
| 92688 | 21 |
| 92691 | 90 |
| 92692 | 72 |
| 92694 | 11 |
| 92701 | 25 |
| 92703 | 53 |
| 92704 | 95 |
| 92705 | 67 |
| 92706 | 44 |
| 92707 | 52 |
| 92708 | 55 |
| 92780 | 50 |
| 92782 | 12 |
| 92801 | 47 |
| 92802 | 31 |
| 92804 | 109 |
| 92805 | 44 |
| 92806 | 26 |
| 92807 | 40 |
| 92808 | 11 |
| 92821 | 16 |
| 92823 | 3 |
| 92831 | 15 |
| 92832 | 18 |
| 92833 | 56 |
| 92835 | 20 |
| 92840 | 69 |
| 92841 | 80 |

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| 2016 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 92880 | 44 |
| 92881 | 53 |
| 92882 | 148 |
| 92883 | 16 |
| 92886 | 61 |
| 92887 | 21 |
| 93001 | 13 |
| 93003 | 68 |
| 93004 | 77 |
| 93010 | 128 |
| 93012 | 73 |
| 93013 | 52 |
| 93015 | 60 |
| 93021 | 104 |
| 93030 | 57 |
| 93033 | 275 |
| 93035 | 155 |
| 93036 | 47 |
| 93040 | 4 |
| 93041 | 75 |
| 93060 | 75 |
| 93063 | 232 |
| 93065 | 357 |
| 93066 | 7 |
| 93067 | 4 |
| 93101 | 51 |
| 93103 | 48 |
| 93105 | 35 |
| 93108 | 40 |
| 93109 | 57 |
| 93110 | 60 |
| 93111 | 76 |
| 93117 | 96 |
| 93203 | 7 |
| 93212 | 9 |
| 93215 | 43 |
| 93219 | 4 |
| 93221 | 29 |
| 93223 | 6 |
| 93225 | 30 |
| 93227 | 4 |
| 93230 | 62 |
| 93235 | 4 |
| 93241 | 19 |
| 93242 | 1 |
| 93243 | 3 |
| 93245 | 7 |
| 93247 | 16 |
| 93250 | 6 |
| 93251 | 1 |
| 93254 | 1 |
| 93256 | 8 |
| 93257 | 107 |
| 93263 | 10 |
| 93265 | 5 |
| 93266 | 2 |
| 93267 | 8 |
| 93268 | 1 |
| 93270 | 6 |
| 93272 | 2 |
| 93274 | 86 |
| 93277 | 86 |
| 93280 | 4 |
| 93286 | 4 |
| 93291 | 69 |
| 93292 | 73 |
| 93307 | 2 |
| 93308 | 39 |
| 93309 | 17 |
| 93311 | 8 |

| 2017 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 92831 | 18 |
| 92832 | 19 |
| 92833 | 59 |
| 92835 | 20 |
| 92840 | 84 |
| 92841 | 90 |
| 92843 | 66 |
| 92844 | 33 |
| 92845 | 41 |
| 92860 | 72 |
| 92861 | 19 |
| 92865 | 14 |
| 92866 | 9 |
| 92867 | 62 |
| 92868 | 20 |
| 92869 | 66 |
| 92870 | 30 |
| 92879 | 53 |
| 92880 | 33 |
| 92881 | 40 |
| 92882 | 105 |
| 92883 | 11 |
| 92886 | 55 |
| 92887 | 21 |
| 93001 | 66 |
| 93003 | 77 |
| 93004 | 63 |
| 93010 | 106 |
| 93012 | 59 |
| 93013 | 41 |
| 93015 | 46 |
| 93021 | 85 |
| 93022 | 18 |
| 93023 | 97 |
| 93030 | 91 |
| 93033 | 210 |
| 93035 | 123 |
| 93036 | 50 |
| 93040 | 3 |
| 93041 | 51 |
| 93060 | 61 |
| 93063 | 200 |
| 93065 | 304 |
| 93066 | 5 |
| 93067 | 4 |
| 93101 | 43 |
| 93103 | 44 |
| 93105 | 46 |
| 93108 | 50 |
| 93109 | 52 |
| 93110 | 57 |
| 93111 | 67 |
| 93117 | 85 |
| 93203 | 6 |
| 93212 | 5 |
| 93215 | 38 |
| 93219 | 3 |
| 93221 | 25 |
| 93223 | 6 |
| 93225 | 29 |
| 93227 | 3 |
| 93230 | 54 |
| 93235 | 6 |
| 93241 | 16 |
| 93242 | 1 |
| 93243 | 2 |
| 93245 | 6 |
| 93247 | 15 |
| 93250 | 5 |
| 93251 | 1 |

| 2018 | |
|----------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 92843 | 60 |
| 92844 | 26 |
| 92845 | 34 |
| 92860 | 60 |
| 92861 | 18 |
| 92865 | 12 |
| 92866 | 10 |
| 92867 | 53 |
| 92868 | 18 |
| 92869 | 63 |
| 92870 | 25 |
| 92879 | 43 |
| 92880 | 31 |
| 92881 | 35 |
| 92882 | 86 |
| 92883 | 11 |
| 92886 | 48 |
| 92887 | 17 |
| 93001 | 64 |
| 93003 | 71 |
| 93004 | 56 |
| 93010 | 89 |
| 93012 | 55 |
| 93013 | 37 |
| 93015 | 42 |
| 93021 | 78 |
| 93022 | 16 |
| 93023 | 131 |
| 93030 | 79 |
| 93033 | 173 |
| 93035 | 101 |
| 93036 | 36 |
| 93040 | 3 |
| 93041 | 44 |
| 93060 | 49 |
| 93063 | 177 |
| 93065 | 267 |
| 93066 | 4 |
| 93067 | 5 |
| 93101 | 46 |
| 93103 | 47 |
| 93105 | 72 |
| 93108 | 48 |
| 93109 | 52 |
| 93110 | 56 |
| 93111 | 59 |
| 93117 | 74 |
| 93203 | 4 |
| 93206 | 1 |
| 93212 | 4 |
| 93215 | 31 |
| 93219 | 2 |
| 93221 | 26 |
| 93223 | 7 |
| 93225 | 28 |
| 93227 | 3 |
| 93230 | 45 |
| 93235 | 5 |
| 93241 | 13 |
| 93242 | 1 |
| 93243 | 2 |
| 93245 | 5 |
| 93247 | 14 |
| 93250 | 4 |
| 93251 | 1 |
| 93254 | 1 |
| 93256 | 5 |
| 93257 | 88 |
| 93263 | 10 |
| 93265 | 3 |

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SoCalGas Active Advanced Meter Opt-Out Customers by Zip Code (as of December 2016 and 2017 and October 2018)

| 2016 | |
|--------------------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 93312 | 46 |
| 93314 | 22 |
| 93401 | 46 |
| 93402 | 50 |
| 93405 | 35 |
| 93420 | 68 |
| 93422 | 77 |
| 93427 | 13 |
| 93430 | 6 |
| 93433 | 36 |
| 93434 | 4 |
| 93436 | 7 |
| 93442 | 46 |
| 93444 | 37 |
| 93445 | 24 |
| 93446 | 79 |
| 93449 | 35 |
| 93453 | 8 |
| 93454 | 128 |
| 93455 | 45 |
| 93458 | 144 |
| 93460 | 2 |
| 93463 | 23 |
| 93465 | 18 |
| 93501 | 8 |
| 93505 | 29 |
| 93510 | 34 |
| 93534 | 116 |
| 93535 | 195 |
| 93536 | 132 |
| 93543 | 91 |
| 93550 | 213 |
| 93551 | 96 |
| 93552 | 62 |
| 93560 | 9 |
| 93561 | 36 |
| 93591 | 37 |
| 93609 | 9 |
| 93615 | 3 |
| 93616 | 4 |
| 93618 | 15 |
| 93631 | 5 |
| 93646 | 9 |
| 93647 | 3 |
| 93648 | 3 |
| 93654 | 28 |
| 93656 | 4 |
| 93662 | 2 |
| Grand Total | 28990 |

| 2017 | |
|--------------------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 93254 | 1 |
| 93256 | 7 |
| 93257 | 92 |
| 93263 | 10 |
| 93265 | 3 |
| 93266 | 2 |
| 93267 | 7 |
| 93268 | 1 |
| 93270 | 6 |
| 93272 | 2 |
| 93274 | 70 |
| 93277 | 78 |
| 93280 | 3 |
| 93286 | 3 |
| 93291 | 67 |
| 93292 | 66 |
| 93307 | 2 |
| 93308 | 33 |
| 93309 | 13 |
| 93311 | 9 |
| 93312 | 40 |
| 93314 | 19 |
| 93401 | 44 |
| 93402 | 45 |
| 93405 | 29 |
| 93420 | 55 |
| 93422 | 68 |
| 93427 | 12 |
| 93430 | 6 |
| 93433 | 29 |
| 93434 | 7 |
| 93436 | 88 |
| 93442 | 44 |
| 93444 | 32 |
| 93445 | 18 |
| 93446 | 71 |
| 93449 | 28 |
| 93453 | 5 |
| 93454 | 94 |
| 93455 | 73 |
| 93458 | 96 |
| 93460 | 4 |
| 93463 | 19 |
| 93465 | 16 |
| 93501 | 4 |
| 93505 | 19 |
| 93510 | 31 |
| 93534 | 83 |
| 93535 | 147 |
| 93536 | 97 |
| 93543 | 69 |
| 93550 | 136 |
| 93551 | 80 |
| 93552 | 40 |
| 93560 | 7 |
| 93561 | 30 |
| 93591 | 34 |
| 93609 | 7 |
| 93615 | 3 |
| 93616 | 2 |
| 93618 | 12 |
| 93631 | 5 |
| 93646 | 8 |
| 93647 | 3 |
| 93648 | 3 |
| 93654 | 27 |
| 93656 | 4 |
| 93662 | 2 |
| Grand Total | 25139 |

| 2018 | |
|--------------------|-------------------------|
| ZIP Code | Total Opt-Out Customers |
| 93266 | 2 |
| 93267 | 6 |
| 93268 | 1 |
| 93270 | 6 |
| 93272 | 1 |
| 93274 | 61 |
| 93277 | 73 |
| 93280 | 2 |
| 93286 | 3 |
| 93291 | 56 |
| 93292 | 60 |
| 93307 | 2 |
| 93308 | 27 |
| 93309 | 11 |
| 93311 | 8 |
| 93312 | 34 |
| 93314 | 19 |
| 93401 | 42 |
| 93402 | 42 |
| 93405 | 30 |
| 93420 | 47 |
| 93422 | 64 |
| 93427 | 12 |
| 93428 | 24 |
| 93430 | 5 |
| 93433 | 26 |
| 93434 | 7 |
| 93436 | 76 |
| 93442 | 41 |
| 93444 | 21 |
| 93445 | 17 |
| 93446 | 65 |
| 93449 | 26 |
| 93453 | 6 |
| 93454 | 76 |
| 93455 | 65 |
| 93458 | 85 |
| 93460 | 3 |
| 93463 | 17 |
| 93465 | 15 |
| 93501 | 4 |
| 93505 | 15 |
| 93510 | 26 |
| 93534 | 70 |
| 93535 | 126 |
| 93536 | 85 |
| 93543 | 54 |
| 93550 | 114 |
| 93551 | 72 |
| 93552 | 35 |
| 93560 | 7 |
| 93561 | 29 |
| 93591 | 27 |
| 93609 | 6 |
| 93615 | 2 |
| 93616 | 2 |
| 93618 | 13 |
| 93631 | 4 |
| 93646 | 6 |
| 93647 | 3 |
| 93648 | 2 |
| 93654 | 27 |
| 93656 | 3 |
| 93662 | 2 |
| Grand Total | 21321 |

ATTACHMENT B

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2012 | | 2013 | | | | 2013 Total | 2014 |
|------------------------|--------------------|------------|------|-------|--------|-------|------------|-------|
| | Qrtr/Year 10-12 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | |
| 90001 | 13 | 13 | 5 | 60 | 40 | 4,749 | 4,854 | 4,211 |
| 90002 | 6 | 6 | 33 | 56 | 56 | 779 | 924 | 5,952 |
| 90003 | 9 | 9 | 76 | 89 | 81 | 85 | 331 | 58 |
| 90004 | 7 | 7 | 25 | 40 | 41 | 38 | 144 | 34 |
| 90005 | | | 6 | 34 | 24 | 15 | 79 | 10 |
| 90006 | 3 | 3 | 75 | 45 | 32 | 25 | 177 | 17 |
| 90007 | 43 | 43 | 7 | 18 | 39 | 47 | 111 | 34 |
| 90008 | | | 7 | 17 | 20 | 59 | 103 | 9 |
| 90009 | | | | | 1 | | 1 | |
| 90010 | | | | 1 | 1 | | 2 | 1 |
| 90011 | 30 | 30 | 30 | 77 | 63 | 58 | 228 | 76 |
| 90012 | | | 4 | 10 | 21 | 7 | 42 | 3,184 |
| 90013 | | | 1 | 2 | 5 | | 8 | 1 |
| 90014 | | | | | 3 | 3 | 6 | |
| 90015 | 2 | 2 | 4 | 15 | 22 | 11 | 52 | 6 |
| 90016 | | | 3 | 35 | 41 | 47 | 126 | 31 |
| 90017 | 1 | 1 | 2 | 8 | 10 | 1 | 21 | 2 |
| 90018 | 1 | 1 | 5 | 35 | 41 | 39 | 120 | 41 |
| 90019 | 5 | 5 | 6 | 50 | 52 | 58 | 166 | 46 |
| 90020 | 1 | 1 | 5 | 40 | 58 | 15 | 118 | 8 |
| 90021 | 1 | 1 | 1 | 5 | 19 | 6 | 31 | 7 |
| 90022 | 9 | 9 | 25 | 58 | 12,365 | 1,280 | 13,728 | 713 |
| 90023 | 10 | 10 | 20 | 42 | 56 | 39 | 157 | 302 |
| 90024 | | | | 9 | 10 | 39 | 58 | 22 |
| 90025 | | | | 18 | 34 | 20 | 72 | 37 |
| 90026 | 18 | 18 | 18 | 52 | 44 | 47 | 161 | 47 |
| 90027 | 5 | 5 | 26 | 72 | 45 | 49 | 192 | 44 |
| 90028 | | | 2 | 16 | 13 | 29 | 60 | 17 |
| 90029 | 4 | 4 | 29 | 57 | 32 | 41 | 159 | 32 |
| 90031 | | | 20 | 26 | 34 | 588 | 668 | 8,501 |
| 90032 | | | 27 | 5,392 | 5,912 | 151 | 11,482 | 773 |
| 90033 | 8 | 8 | 20 | 33 | 24 | 28 | 105 | 476 |
| 90034 | | | 1 | 13 | 63 | 20 | 97 | 35 |
| 90035 | | | 4 | 16 | 23 | 30 | 73 | 67 |
| 90036 | | | 3 | 9 | 21 | 38 | 71 | 14 |
| 90037 | 6 | 6 | 6 | 52 | 54 | 47 | 159 | 52 |
| 90038 | | | 5 | 8 | 13 | 13 | 39 | 167 |
| 90039 | | | 12 | 17 | 39 | 4,288 | 4,356 | 563 |
| 90040 | 3 | 3 | 4 | 76 | 2,846 | 78 | 3,004 | 54 |

Attachment B
 Supplemental Testimony
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 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|------------|--------|--------|-------|------------|-------|--------|--------|--------|--|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | |
| 90001 | 204 | 234 | 2,314 | 6,963 | 202 | 102 | 115 | 71 | |
| 90002 | 78 | 1,204 | 1,956 | 9,190 | 98 | 81 | 83 | 60 | |
| 90003 | 1,157 | 4,448 | 8,004 | 13,667 | 2,170 | 212 | 186 | 165 | |
| 90004 | 55 | 529 | 99 | 717 | 412 | 1,091 | 1,953 | 10,853 | |
| 90005 | 16 | 206 | 173 | 405 | 5,430 | 771 | 44 | 745 | |
| 90006 | 19 | 1,475 | 4,454 | 5,965 | 5,325 | 2,124 | 124 | 120 | |
| 90007 | 2,036 | 6,665 | 1,232 | 9,967 | 400 | 147 | 104 | 73 | |
| 90008 | 19 | 217 | 87 | 332 | 25 | 37 | 24 | 31 | |
| 90009 | | | 1 | 1 | | | | | |
| 90010 | 2 | 6 | 10 | 19 | 2 | 3 | 2 | 210 | |
| 90011 | 129 | 14,438 | 5,528 | 20,171 | 554 | 274 | 188 | 131 | |
| 90012 | 302 | 1,659 | 999 | 6,144 | 85 | 30 | 19 | 12 | |
| 90013 | 29 | 439 | 158 | 627 | 3 | 3 | 4 | 5 | |
| 90014 | 14 | 48 | 199 | 261 | 2 | 2 | 8 | 8 | |
| 90015 | 662 | 697 | 939 | 2,304 | 262 | 582 | 32 | 20 | |
| 90016 | 48 | 44 | 45 | 168 | 29 | 31 | 52 | 63 | |
| 90017 | 10 | 2,984 | 172 | 3,168 | 1,600 | 76 | 15 | 76 | |
| 90018 | 2,550 | 5,724 | 1,051 | 9,366 | 536 | 119 | 130 | 60 | |
| 90019 | 53 | 1,912 | 5,562 | 7,573 | 4,939 | 2,859 | 196 | 190 | |
| 90020 | 22 | 1,143 | 42 | 1,215 | 270 | 40 | 17 | 6,002 | |
| 90021 | 8 | 645 | 219 | 879 | 14 | 12 | 21 | 14 | |
| 90022 | 1,793 | 90 | 43 | 2,639 | 35 | 49 | 45 | 30 | |
| 90023 | 9,729 | 129 | 112 | 10,272 | 42 | 68 | 33 | 24 | |
| 90024 | 52 | 52 | 22 | 148 | 25 | 23 | 38 | 31 | |
| 90025 | 115 | 41 | 131 | 324 | 54 | 69 | 41 | 22 | |
| 90026 | 32 | 2,971 | 309 | 3,359 | 3,588 | 12,006 | 272 | 438 | |
| 90027 | 24 | 57 | 63 | 188 | 188 | 922 | 15,382 | 554 | |
| 90028 | 302 | 53 | 47 | 419 | 32 | 34 | 4,714 | 3,746 | |
| 90029 | 20 | 73 | 44 | 169 | 77 | 3,048 | 5,524 | 1,460 | |
| 90031 | 258 | 77 | 46 | 8,882 | 61 | 1,005 | 40 | 34 | |
| 90032 | 63 | 45 | 49 | 930 | 36 | 33 | 47 | 34 | |
| 90033 | 10,109 | 263 | 260 | 11,108 | 25 | 55 | 33 | 35 | |
| 90034 | 70 | 179 | 202 | 486 | 236 | 148 | 35 | 6,492 | |
| 90035 | 29 | 132 | 1,464 | 1,692 | 115 | 558 | 48 | 43 | |
| 90036 | 226 | 195 | 55 | 490 | 31 | 41 | 36 | 4,327 | |
| 90037 | 43 | 9,592 | 3,297 | 12,984 | 1,983 | 287 | 161 | 190 | |
| 90038 | 45 | 30 | 39 | 281 | 96 | 66 | 2,890 | 6,192 | |
| 90039 | 83 | 103 | 70 | 819 | 282 | 4,876 | 140 | 119 | |
| 90040 | 444 | 18 | 14 | 530 | 24 | 14 | 19 | 7 | |

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|--------|--------|--------|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 90001 | 490 | 62 | 167 | 63 | 123 | 415 | 102 | 42 |
| 90002 | 322 | 68 | 58 | 59 | 86 | 271 | 99 | 43 |
| 90003 | 2,733 | 146 | 248 | 163 | 156 | 713 | 154 | 102 |
| 90004 | 14,309 | 1,228 | 202 | 728 | 348 | 2,506 | 190 | 184 |
| 90005 | 6,990 | 793 | 25 | 164 | 154 | 1,136 | 65 | 80 |
| 90006 | 7,693 | 55 | 125 | 305 | 633 | 1,118 | 82 | 129 |
| 90007 | 724 | 34 | 78 | 83 | 109 | 304 | 93 | 37 |
| 90008 | 117 | 35 | 12,831 | 891 | 115 | 13,872 | 231 | 124 |
| 90009 | | | | | | | | |
| 90010 | 217 | 110 | 12 | 41 | 7 | 170 | 9 | 15 |
| 90011 | 1,147 | 92 | 204 | 89 | 154 | 539 | 160 | 93 |
| 90012 | 146 | 34 | 93 | 313 | 393 | 833 | 61 | 29 |
| 90013 | 15 | 10 | 12 | 19 | 20 | 61 | 15 | 11 |
| 90014 | 20 | 6 | 14 | 16 | 16 | 52 | 11 | 11 |
| 90015 | 896 | 13 | 31 | 77 | 69 | 190 | 30 | 32 |
| 90016 | 175 | 125 | 3,741 | 11,807 | 166 | 15,839 | 422 | 204 |
| 90017 | 1,767 | 18 | 13 | 39 | 64 | 134 | 31 | 27 |
| 90018 | 845 | 55 | 1,544 | 2,988 | 108 | 4,695 | 209 | 75 |
| 90019 | 8,184 | 384 | 120 | 5,832 | 447 | 6,783 | 258 | 195 |
| 90020 | 6,329 | 1,252 | 51 | 151 | 112 | 1,566 | 66 | 80 |
| 90021 | 61 | 9 | 25 | 25 | 45 | 104 | 17 | 20 |
| 90022 | 159 | 24 | 140 | 57 | 154 | 375 | 81 | 44 |
| 90023 | 167 | 12 | 78 | 31 | 54 | 175 | 55 | 33 |
| 90024 | 117 | 79 | 10,757 | 143 | 159 | 11,138 | 127 | 256 |
| 90025 | 186 | 201 | 15,720 | 3,732 | 149 | 19,802 | 178 | 244 |
| 90026 | 16,304 | 154 | 186 | 590 | 1,998 | 2,928 | 280 | 149 |
| 90027 | 17,046 | 434 | 94 | 701 | 181 | 1,410 | 141 | 126 |
| 90028 | 8,526 | 1,481 | 185 | 199 | 87 | 1,952 | 75 | 85 |
| 90029 | 10,109 | 597 | 99 | 599 | 128 | 1,423 | 91 | 68 |
| 90031 | 1,140 | 16 | 22 | 73 | 113 | 224 | 49 | 24 |
| 90032 | 150 | 37 | 29 | 133 | 114 | 313 | 73 | 28 |
| 90033 | 148 | 16 | 39 | 66 | 61 | 182 | 66 | 28 |
| 90034 | 6,911 | 15,275 | 109 | 690 | 130 | 16,204 | 113 | 112 |
| 90035 | 764 | 7,674 | 1,553 | 843 | 120 | 10,190 | 121 | 86 |
| 90036 | 4,435 | 6,431 | 127 | 1,514 | 187 | 8,259 | 115 | 90 |
| 90037 | 2,621 | 99 | 179 | 125 | 118 | 521 | 106 | 59 |
| 90038 | 9,244 | 617 | 70 | 436 | 232 | 1,355 | 135 | 160 |
| 90039 | 5,417 | 44 | 91 | 184 | 305 | 624 | 102 | 52 |
| 90040 | 64 | 13 | 20 | 15 | 48 | 96 | 34 | 23 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 90001 | 38 | 38 | 220 | 47 | 59 | 61 | 28 | 195 | 13,150 |
| 90002 | 36 | 51 | 229 | 35 | 56 | 45 | 8 | 144 | 11,086 |
| 90003 | 109 | 80 | 445 | 106 | 112 | 108 | 45 | 371 | 18,269 |
| 90004 | 79 | 59 | 512 | 73 | 153 | 106 | 35 | 367 | 18,562 |
| 90005 | 37 | 30 | 212 | 85 | 380 | 62 | 29 | 556 | 9,378 |
| 90006 | 67 | 42 | 320 | 134 | 96 | 46 | 27 | 303 | 15,579 |
| 90007 | 49 | 24 | 203 | 46 | 84 | 72 | 9 | 211 | 11,563 |
| 90008 | 60 | 27 | 442 | 57 | 102 | 46 | 17 | 222 | 15,088 |
| 90009 | | | | | | | | | 2 |
| 90010 | 6 | 7 | 37 | 8 | 22 | 5 | 2 | 37 | 482 |
| 90011 | 117 | 71 | 441 | 72 | 93 | 90 | 50 | 305 | 22,861 |
| 90012 | 57 | 24 | 171 | 50 | 68 | 32 | 44 | 194 | 7,530 |
| 90013 | 10 | 9 | 45 | 15 | 28 | 23 | 4 | 70 | 826 |
| 90014 | 6 | 9 | 37 | 10 | 30 | 9 | 8 | 57 | 433 |
| 90015 | 15 | 23 | 100 | 16 | 52 | 40 | 26 | 134 | 3,678 |
| 90016 | 99 | 46 | 771 | 85 | 121 | 94 | 34 | 334 | 17,413 |
| 90017 | 14 | 5 | 77 | 16 | 41 | 48 | 5 | 110 | 5,278 |
| 90018 | 52 | 28 | 364 | 52 | 103 | 26 | 25 | 206 | 15,597 |
| 90019 | 117 | 133 | 703 | 71 | 154 | 114 | 57 | 396 | 23,810 |
| 90020 | 27 | 16 | 189 | 39 | 68 | 50 | 13 | 170 | 9,588 |
| 90021 | 10 | 8 | 55 | 21 | 24 | 33 | 12 | 90 | 1,221 |
| 90022 | 66 | 65 | 256 | 53 | 79 | 64 | 28 | 224 | 17,390 |
| 90023 | 27 | 24 | 139 | 37 | 55 | 57 | 15 | 164 | 11,084 |
| 90024 | 76 | 48 | 507 | 107 | 140 | 127 | 35 | 409 | 12,377 |
| 90025 | 111 | 100 | 633 | 116 | 216 | 248 | 66 | 646 | 21,663 |
| 90026 | 126 | 90 | 645 | 89 | 110 | 180 | 38 | 417 | 23,832 |
| 90027 | 65 | 65 | 397 | 55 | 92 | 75 | 24 | 246 | 19,484 |
| 90028 | 55 | 71 | 286 | 168 | 142 | 68 | 11 | 389 | 11,632 |
| 90029 | 50 | 31 | 240 | 37 | 78 | 61 | 21 | 197 | 12,301 |
| 90031 | 11 | 12 | 96 | 22 | 58 | 45 | 32 | 157 | 11,167 |
| 90032 | 22 | 16 | 139 | 56 | 84 | 35 | 12 | 187 | 13,201 |
| 90033 | 43 | 60 | 197 | 48 | 44 | 47 | 8 | 147 | 11,895 |
| 90034 | 77 | 52 | 354 | 87 | 162 | 276 | 161 | 686 | 24,738 |
| 90035 | 82 | 50 | 339 | 104 | 91 | 79 | 22 | 296 | 13,354 |
| 90036 | 236 | 69 | 510 | 80 | 203 | 86 | 35 | 404 | 14,169 |
| 90037 | 62 | 51 | 278 | 63 | 95 | 98 | 21 | 277 | 16,846 |
| 90038 | 118 | 24 | 437 | 106 | 116 | 87 | 53 | 362 | 11,718 |
| 90039 | 42 | 26 | 222 | 41 | 43 | 80 | 14 | 178 | 11,616 |
| 90040 | 16 | 19 | 92 | 9 | 36 | 18 | 16 | 79 | 3,868 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2012 | | 2013 | | | | 2013 Total | 2014 |
|------------------------|--------------------|------------|------|-------|--------|-------|------------|--------|
| | Qrtr/Year 10-12 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | |
| 90041 | | | 13 | 22 | 46 | 63 | 144 | 5,850 |
| 90042 | | | 31 | 55 | 11,694 | 4,460 | 16,240 | 1,385 |
| 90043 | 2 | 2 | 13 | 38 | 42 | 57 | 150 | 54 |
| 90044 | | | 5 | 61 | 78 | 76 | 220 | 87 |
| 90045 | 2 | 2 | 4 | 38 | 52 | 50 | 144 | 22 |
| 90046 | | | 10 | 53 | 44 | 73 | 180 | 161 |
| 90047 | 4 | 4 | 13 | 43 | 78 | 56 | 190 | 42 |
| 90048 | | | 4 | 10 | 49 | 26 | 89 | 26 |
| 90049 | | | 5 | 34 | 101 | 20 | 160 | 50 |
| 90052 | | | | | | | | |
| 90056 | | | 9 | 51 | 23 | 23 | 106 | 9 |
| 90057 | 6 | 6 | 4 | 40 | 27 | 5 | 76 | 5 |
| 90058 | 2 | 2 | 2 | 19 | 15 | 8 | 44 | 13 |
| 90059 | 4 | 4 | 30 | 65 | 45 | 2,382 | 2,522 | 553 |
| 90061 | 4 | 4 | 25 | 54 | 31 | 38 | 148 | 28 |
| 90062 | | | | 38 | 33 | 28 | 99 | 35 |
| 90063 | 8 | 8 | 21 | 42 | 38 | 26 | 127 | 643 |
| 90064 | | | 2 | 7 | 15 | 50 | 74 | 102 |
| 90065 | | | 33 | 27 | 32 | 3,047 | 3,139 | 10,508 |
| 90066 | | | | 7 | 29 | 26 | 62 | 112 |
| 90067 | | | | 1 | | | 1 | |
| 90068 | | | 1 | 13 | 332 | 895 | 1,241 | 308 |
| 90069 | | | 2 | 21 | 21 | 63 | 107 | 23 |
| 90071 | | | | | | | | |
| 90073 | | | | | | | | |
| 90077 | | | 1 | 7 | 3 | 4 | 15 | 13 |
| 90079 | | | | | | | | |
| 90089 | | | | 1 | 2 | | 3 | 2 |
| 90090 | | | | | | | | |
| 90094 | | | | | 1 | | 1 | |
| 90095 | | | | | | | | |
| 90201 | 40 | 40 | 57 | 8,857 | 8,176 | 4,302 | 21,392 | 92 |
| 90210 | | | 4 | 140 | 120 | 227 | 491 | 75 |
| 90211 | | | 1 | 6 | 17 | 14 | 38 | 7 |
| 90212 | | | 1 | 32 | 25 | 33 | 91 | 8 |
| 90220 | 4 | 4 | 35 | 66 | 61 | 54 | 216 | 10,776 |
| 90221 | 4 | 4 | 51 | 78 | 54 | 44 | 227 | 10,365 |
| 90222 | 2 | 2 | 35 | 30 | 31 | 142 | 238 | 1,096 |
| 90230 | | | 2 | 12 | 28 | 25 | 67 | 24 |

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 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2014 | | | 2014 Total | 2015 | | | |
|------------------------|--------|-------|-------|------------|-------|-------|-------|--------|
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 90041 | 2,464 | 206 | 331 | 8,851 | 55 | 28 | 39 | 44 |
| 90042 | 147 | 71 | 100 | 1,703 | 68 | 45 | 77 | 36 |
| 90043 | 53 | 3,708 | 1,086 | 4,901 | 1,913 | 1,473 | 1,201 | 181 |
| 90044 | 13,101 | 5,143 | 448 | 18,779 | 5,531 | 343 | 209 | 213 |
| 90045 | 263 | 297 | 123 | 705 | 751 | 9,104 | 2,441 | 670 |
| 90046 | 48 | 234 | 131 | 574 | 123 | 64 | 109 | 12,111 |
| 90047 | 6,921 | 3,987 | 2,177 | 13,127 | 2,699 | 233 | 171 | 173 |
| 90048 | 23 | 158 | 52 | 259 | 34 | 29 | 49 | 28 |
| 90049 | 98 | 85 | 242 | 475 | 74 | 1,666 | 1,590 | 81 |
| 90052 | | | | | 1 | | 1 | 1 |
| 90056 | 2 | 2 | 25 | 38 | 6 | 1,879 | 196 | 30 |
| 90057 | 18 | 4,368 | 306 | 4,697 | 2,667 | 237 | 35 | 99 |
| 90058 | 416 | 296 | 87 | 812 | 75 | 54 | 23 | 10 |
| 90059 | 2,783 | 1,256 | 698 | 5,290 | 60 | 47 | 59 | 38 |
| 90061 | 551 | 5,186 | 578 | 6,343 | 331 | 62 | 60 | 59 |
| 90062 | 26 | 6,451 | 2,167 | 8,679 | 145 | 102 | 78 | 61 |
| 90063 | 11,125 | 301 | 84 | 12,153 | 18 | 50 | 35 | 27 |
| 90064 | 171 | 165 | 84 | 522 | 378 | 684 | 702 | 2,061 |
| 90065 | 197 | 125 | 95 | 10,925 | 47 | 62 | 73 | 49 |
| 90066 | 207 | 68 | 107 | 494 | 450 | 1,202 | 548 | 11,017 |
| 90067 | | | 2 | 2 | 4 | | 3 | 3 |
| 90068 | 42 | 40 | 44 | 434 | 81 | 35 | 5,829 | 1,464 |
| 90069 | 20 | 20 | 37 | 100 | 23 | 29 | 40 | 322 |
| 90071 | 9 | 3 | 1 | 13 | | 2 | | |
| 90073 | | | | | | | 1 | |
| 90077 | 10 | 21 | 36 | 80 | 29 | 20 | 16 | 17 |
| 90079 | | | | | 1 | 1 | | |
| 90089 | 2 | 15 | 5 | 24 | 2 | 11 | | 1 |
| 90090 | | | | | | | | |
| 90094 | | 28 | 89 | 117 | 41 | 37 | 49 | 2,305 |
| 90095 | | | | | 1 | | 1 | |
| 90201 | 44 | 136 | 54 | 326 | 66 | 68 | 63 | 57 |
| 90210 | 57 | 58 | 52 | 242 | 84 | 65 | 98 | 44 |
| 90211 | 10 | 4 | 10 | 31 | 16 | 11 | 15 | 6 |
| 90212 | 8 | 12 | 18 | 46 | 19 | 19 | 38 | 17 |
| 90220 | 1,624 | 88 | 51 | 12,539 | 25 | 42 | 71 | 23 |
| 90221 | 246 | 42 | 178 | 10,831 | 32 | 30 | 42 | 50 |
| 90222 | 5,435 | 52 | 32 | 6,615 | 20 | 17 | 28 | 29 |
| 90230 | 14 | 27 | 23 | 88 | 21 | 723 | 52 | 684 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|--------|-------|-------|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 90041 | 166 | 53 | 31 | 94 | 63 | 241 | 48 | 33 |
| 90042 | 226 | 93 | 69 | 147 | 158 | 467 | 124 | 40 |
| 90043 | 4,768 | 159 | 5,362 | 679 | 169 | 6,369 | 237 | 127 |
| 90044 | 6,296 | 112 | 238 | 218 | 151 | 719 | 144 | 142 |
| 90045 | 12,966 | 77 | 74 | 229 | 161 | 541 | 139 | 106 |
| 90046 | 12,407 | 10,298 | 1,585 | 597 | 305 | 12,785 | 190 | 661 |
| 90047 | 3,276 | 91 | 141 | 75 | 75 | 382 | 86 | 57 |
| 90048 | 140 | 7,707 | 1,233 | 996 | 146 | 10,082 | 146 | 108 |
| 90049 | 3,411 | 3,003 | 6,235 | 759 | 205 | 10,202 | 135 | 256 |
| 90052 | 3 | | | | | | | |
| 90056 | 2,111 | 17 | 48 | 790 | 42 | 897 | 34 | 55 |
| 90057 | 3,038 | 25 | 72 | 115 | 64 | 276 | 61 | 40 |
| 90058 | 162 | 12 | 38 | 10 | 23 | 83 | 36 | 22 |
| 90059 | 204 | 49 | 161 | 52 | 63 | 325 | 85 | 34 |
| 90061 | 512 | 52 | 170 | 69 | 69 | 360 | 127 | 33 |
| 90062 | 386 | 40 | 72 | 51 | 53 | 216 | 50 | 46 |
| 90063 | 130 | 36 | 60 | 48 | 67 | 211 | 70 | 28 |
| 90064 | 3,825 | 2,564 | 2,255 | 999 | 83 | 5,901 | 99 | 112 |
| 90065 | 231 | 75 | 46 | 99 | 119 | 339 | 69 | 27 |
| 90066 | 13,217 | 2,397 | 4,023 | 1,249 | 203 | 7,872 | 173 | 162 |
| 90067 | 10 | 18 | 163 | 12 | 11 | 204 | 12 | 16 |
| 90068 | 7,409 | 810 | 135 | 297 | 117 | 1,359 | 87 | 108 |
| 90069 | 414 | 6,834 | 1,358 | 300 | 140 | 8,632 | 114 | 100 |
| 90071 | 2 | | 1 | 2 | 6 | 9 | 11 | 5 |
| 90073 | 1 | | | | | | | |
| 90077 | 82 | 1,052 | 1,825 | 116 | 72 | 3,065 | 47 | 126 |
| 90079 | 2 | | | | | | | 2 |
| 90089 | 14 | | 3 | 2 | 5 | 10 | 7 | 3 |
| 90090 | | | | | | | | 1 |
| 90094 | 2,432 | 1,651 | 127 | 200 | 98 | 2,076 | 188 | 73 |
| 90095 | 2 | | 2 | 1 | 2 | 5 | | |
| 90201 | 254 | 149 | 121 | 100 | 203 | 573 | 202 | 121 |
| 90210 | 291 | 3,107 | 2,773 | 444 | 239 | 6,563 | 124 | 306 |
| 90211 | 48 | 2,765 | 352 | 64 | 51 | 3,232 | 31 | 29 |
| 90212 | 93 | 4,398 | 541 | 113 | 53 | 5,105 | 77 | 42 |
| 90220 | 161 | 26 | 95 | 64 | 83 | 268 | 87 | 45 |
| 90221 | 154 | 32 | 105 | 58 | 95 | 290 | 92 | 84 |
| 90222 | 94 | 18 | 195 | 32 | 38 | 283 | 52 | 22 |
| 90230 | 1,480 | 1,718 | 530 | 3,629 | 86 | 5,963 | 126 | 78 |

Attachment B
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 90041 | 25 | 15 | 121 | 24 | 68 | 58 | 6 | 156 | 9,679 |
| 90042 | 43 | 39 | 246 | 86 | 130 | 77 | 36 | 329 | 19,211 |
| 90043 | 116 | 62 | 542 | 88 | 114 | 77 | 33 | 312 | 17,044 |
| 90044 | 83 | 65 | 434 | 115 | 199 | 80 | 75 | 469 | 26,917 |
| 90045 | 110 | 53 | 408 | 59 | 110 | 312 | 261 | 742 | 15,508 |
| 90046 | 179 | 115 | 1,145 | 159 | 212 | 148 | 49 | 568 | 27,659 |
| 90047 | 47 | 34 | 224 | 40 | 126 | 42 | 68 | 276 | 17,479 |
| 90048 | 123 | 47 | 424 | 71 | 118 | 89 | 23 | 301 | 11,295 |
| 90049 | 143 | 104 | 638 | 127 | 229 | 290 | 141 | 787 | 15,673 |
| 90052 | | | | | | | | | 3 |
| 90056 | 22 | 7 | 118 | 12 | 22 | 24 | 17 | 75 | 3,345 |
| 90057 | 13 | 16 | 130 | 18 | 38 | 20 | 41 | 117 | 8,340 |
| 90058 | 17 | 9 | 84 | 10 | 21 | 17 | 9 | 57 | 1,244 |
| 90059 | 29 | 48 | 196 | 44 | 55 | 22 | 26 | 147 | 8,688 |
| 90061 | 44 | 36 | 240 | 25 | 45 | 38 | 8 | 116 | 7,723 |
| 90062 | 62 | 15 | 173 | 48 | 52 | 14 | 13 | 127 | 9,680 |
| 90063 | 35 | 18 | 151 | 25 | 55 | 59 | 22 | 161 | 12,941 |
| 90064 | 91 | 60 | 362 | 83 | 148 | 397 | 83 | 711 | 11,395 |
| 90065 | 31 | 24 | 151 | 36 | 120 | 56 | 26 | 238 | 15,023 |
| 90066 | 104 | 107 | 546 | 150 | 216 | 256 | 162 | 784 | 22,975 |
| 90067 | 8 | 1 | 37 | 9 | 8 | 7 | | 24 | 278 |
| 90068 | 104 | 55 | 354 | 54 | 120 | 106 | 48 | 328 | 11,125 |
| 90069 | 127 | 64 | 405 | 60 | 131 | 106 | 33 | 330 | 9,988 |
| 90071 | 1 | 2 | 19 | | 11 | 5 | 3 | 19 | 62 |
| 90073 | | | | | | | | | 1 |
| 90077 | 110 | 42 | 325 | 61 | 74 | 97 | 18 | 250 | 3,817 |
| 90079 | | | 2 | | 1 | | | 1 | 5 |
| 90089 | 2 | 6 | 18 | 6 | 8 | 7 | 7 | 28 | 97 |
| 90090 | | | 1 | | | | | | 1 |
| 90094 | 29 | 43 | 333 | 18 | 57 | 31 | 10 | 116 | 5,075 |
| 90095 | 1 | | 1 | 1 | | | | 1 | 9 |
| 90201 | 137 | 34 | 494 | 65 | 72 | 74 | 28 | 239 | 23,318 |
| 90210 | 290 | 132 | 852 | 152 | 201 | 154 | 59 | 566 | 9,005 |
| 90211 | 35 | 25 | 120 | 19 | 53 | 30 | 6 | 108 | 3,577 |
| 90212 | 78 | 18 | 215 | 21 | 41 | 36 | 10 | 108 | 5,658 |
| 90220 | 49 | 27 | 208 | 44 | 51 | 39 | 10 | 144 | 13,540 |
| 90221 | 62 | 22 | 260 | 45 | 45 | 63 | 14 | 167 | 11,933 |
| 90222 | 18 | 19 | 111 | 24 | 75 | 40 | 7 | 146 | 7,489 |
| 90230 | 26 | 22 | 252 | 37 | 75 | 221 | 47 | 380 | 8,230 |

Attachment B
 Supplemental Testimony
 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2012 | | 2013 | | | | 2013 Total | 2014 |
|------------------------|--------------------|------------|-------|-------|--------|--------|------------|-------|
| | Qrtr/Year 10-12 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | |
| 90232 | 1 | 1 | 3 | 28 | 28 | 40 | 99 | 17 |
| 90240 | 12 | 12 | 32 | 6,624 | 62 | 75 | 6,793 | 39 |
| 90241 | 30 | 30 | 4,526 | 6,932 | 348 | 152 | 11,958 | 72 |
| 90242 | 803 | 803 | 9,180 | 185 | 82 | 110 | 9,557 | 34 |
| 90245 | | | 3 | 26 | 28 | 38 | 95 | 23 |
| 90247 | | | 15 | 50 | 22 | 18 | 105 | 45 |
| 90248 | | | 9 | 37 | 34 | 33 | 113 | 13 |
| 90249 | 1 | 1 | 10 | 28 | 35 | 36 | 109 | 13 |
| 90250 | | | 26 | 72 | 109 | 146 | 353 | 80 |
| 90254 | | | 12 | 43 | 20 | 27 | 102 | 42 |
| 90255 | 23 | 23 | 26 | 104 | 12,155 | 3,536 | 15,821 | 129 |
| 90260 | | | 4 | 29 | 26 | 16 | 75 | 18 |
| 90261 | | | | | | | | |
| 90262 | 1 | 1 | 60 | 70 | 68 | 11,751 | 11,949 | 1,748 |
| 90263 | | | | | | | | |
| 90265 | | | 1 | 9 | 21 | 16 | 47 | 33 |
| 90266 | | | 16 | 97 | 61 | 63 | 237 | 67 |
| 90270 | 7 | 7 | 8 | 22 | 5,329 | 261 | 5,620 | 44 |
| 90272 | | | 1 | 19 | 37 | 22 | 79 | 29 |
| 90274 | | | 8 | 252 | 81 | 70 | 411 | 47 |
| 90275 | | | 16 | 166 | 130 | 73 | 385 | 61 |
| 90277 | | | 19 | 85 | 50 | 36 | 190 | 43 |
| 90278 | | | 18 | 83 | 40 | 41 | 182 | 49 |
| 90280 | 174 | 174 | 2,072 | 200 | 233 | 18,905 | 21,410 | 404 |
| 90290 | | | | 7 | 1 | 1 | 9 | 4 |
| 90291 | | | 1 | 46 | 52 | 106 | 205 | 98 |
| 90292 | | | | 3 | 4 | 36 | 43 | 18 |
| 90293 | | | 2 | 8 | 24 | 7 | 41 | 12 |
| 90301 | 1 | 1 | 6 | 162 | 38 | 27 | 233 | 20 |
| 90302 | | | 15 | 6 | 24 | 22 | 67 | 10 |
| 90303 | | | 3 | 9 | 19 | 22 | 53 | 12 |
| 90304 | | | 2 | 16 | 23 | 10 | 51 | 8 |
| 90305 | | | 7 | 8 | 21 | 12 | 48 | 6 |
| 90401 | | | 1 | 5 | 7 | 9 | 22 | 20 |
| 90402 | | | | 18 | 16 | 16 | 50 | 15 |
| 90403 | | | | 7 | 10 | 4 | 21 | 19 |
| 90404 | | | | 4 | 12 | 12 | 28 | 16 |
| 90405 | | | | 46 | 20 | 9 | 75 | 36 |
| 90501 | | | 28 | 51 | 55 | 41 | 175 | 39 |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|-------------------|-------------|------------|--------------|-------------------|-------------|------------|------------|--------------|--|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | |
| 90232 | 8 | 17 | 24 | 66 | 24 | 26 | 28 | 1,423 | |
| 90240 | 29 | 15 | 22 | 105 | 22 | 22 | 38 | 13 | |
| 90241 | 53 | 44 | 178 | 347 | 40 | 72 | 37 | 29 | |
| 90242 | 26 | 35 | 126 | 221 | 36 | 42 | 31 | 38 | |
| 90245 | 17 | 13 | 35 | 88 | 20 | 6,821 | 99 | 60 | |
| 90247 | 48 | 32 | 44 | 169 | 2,135 | 240 | 60 | 45 | |
| 90248 | 1,529 | 35 | 36 | 1,613 | 14 | 18 | 14 | 19 | |
| 90249 | 407 | 208 | 44 | 672 | 2,817 | 291 | 54 | 63 | |
| 90250 | 15,088 | 8,407 | 122 | 23,697 | 2,652 | 300 | 160 | 135 | |
| 90254 | 18 | 18 | 31 | 109 | 38 | 24 | 41 | 4,123 | |
| 90255 | 60 | 194 | 246 | 629 | 54 | 93 | 214 | 115 | |
| 90260 | 1,363 | 795 | 26 | 2,202 | 73 | 43 | 30 | 19 | |
| 90261 | | | | | | | | | |
| 90262 | 69 | 56 | 211 | 2,084 | 34 | 44 | 35 | 49 | |
| 90263 | | | | | | 1 | | | |
| 90265 | 42 | 35 | 66 | 176 | 73 | 40 | 46 | 44 | |
| 90266 | 62 | 59 | 63 | 251 | 47 | 65 | 73 | 39 | |
| 90270 | 16 | 126 | 58 | 244 | 13 | 34 | 72 | 16 | |
| 90272 | 47 | 77 | 83 | 236 | 69 | 33 | 47 | 49 | |
| 90274 | 33 | 39 | 33 | 152 | 46 | 26 | 209 | 7,535 | |
| 90275 | 45 | 45 | 46 | 197 | 46 | 42 | 6,156 | 3,905 | |
| 90277 | 24 | 52 | 40 | 159 | 40 | 51 | 85 | 4,295 | |
| 90278 | 41 | 42 | 27 | 159 | 47 | 42 | 47 | 50 | |
| 90280 | 69 | 82 | 508 | 1,063 | 47 | 83 | 74 | 93 | |
| 90290 | 1 | | | 5 | 1 | 171 | 11 | 4 | |
| 90291 | 183 | 200 | 231 | 712 | 95 | 185 | 38 | 10,115 | |
| 90292 | 14 | 90 | 21 | 143 | 83 | 18 | 26 | 6,366 | |
| 90293 | 9 | 10 | 62 | 93 | 19 | 2,017 | 267 | 2,089 | |
| 90301 | 28 | 7,465 | 162 | 7,675 | 154 | 2,519 | 312 | 192 | |
| 90302 | 16 | 7,546 | 140 | 7,712 | 187 | 1,773 | 256 | 70 | |
| 90303 | 526 | 4,437 | 163 | 5,138 | 81 | 1,484 | 299 | 62 | |
| 90304 | 116 | 3,770 | 34 | 3,928 | 101 | 1,240 | 229 | 42 | |
| 90305 | 37 | 3,781 | 71 | 3,895 | 244 | 919 | 83 | 72 | |
| 90401 | 4 | 13 | 14 | 51 | 12 | 10 | 2,607 | 370 | |
| 90402 | 28 | 35 | 51 | 129 | 24 | 19 | 2,690 | 340 | |
| 90403 | 21 | 29 | 31 | 100 | 26 | 31 | 9,563 | 1,137 | |
| 90404 | 58 | 16 | 36 | 126 | 25 | 23 | 8,504 | 890 | |
| 90405 | 42 | 22 | 42 | 142 | 26 | 27 | 9,686 | 1,777 | |
| 90501 | 34 | 53 | 35 | 161 | 20 | 37 | 32 | 333 | |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|-------|-------|-------|-------|------------|-------|-------|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 90232 | 1,501 | 206 | 38 | 4,334 | 48 | 4,626 | 257 | 122 |
| 90240 | 95 | 125 | 39 | 28 | 56 | 248 | 38 | 68 |
| 90241 | 178 | 357 | 39 | 59 | 97 | 552 | 88 | 69 |
| 90242 | 147 | 242 | 47 | 48 | 100 | 437 | 75 | 44 |
| 90245 | 7,000 | 35 | 26 | 131 | 54 | 246 | 50 | 26 |
| 90247 | 2,480 | 40 | 4,844 | 6,780 | 83 | 11,747 | 248 | 137 |
| 90248 | 65 | 63 | 442 | 1,673 | 43 | 2,221 | 86 | 31 |
| 90249 | 3,225 | 41 | 3,568 | 1,002 | 70 | 4,681 | 161 | 58 |
| 90250 | 3,247 | 48 | 86 | 80 | 184 | 398 | 178 | 102 |
| 90254 | 4,226 | 3,159 | 124 | 81 | 72 | 3,436 | 44 | 60 |
| 90255 | 476 | 67 | 212 | 57 | 168 | 504 | 109 | 67 |
| 90260 | 165 | 21 | 29 | 740 | 1,354 | 2,144 | 2,367 | 2,768 |
| 90261 | | | | | | | | 1 |
| 90262 | 162 | 33 | 159 | 76 | 102 | 370 | 136 | 109 |
| 90263 | 1 | | 11 | | 1 | 12 | | |
| 90265 | 203 | 2,361 | 1,906 | 347 | 246 | 4,860 | 95 | 111 |
| 90266 | 224 | 76 | 64 | 87 | 6,254 | 6,481 | 4,589 | 1,187 |
| 90270 | 135 | 14 | 46 | 29 | 49 | 138 | 49 | 28 |
| 90272 | 198 | 2,746 | 4,280 | 257 | 153 | 7,436 | 92 | 140 |
| 90274 | 7,816 | 154 | 88 | 95 | 89 | 426 | 78 | 180 |
| 90275 | 10,149 | 2,123 | 104 | 73 | 104 | 2,404 | 90 | 169 |
| 90277 | 4,471 | 84 | 63 | 175 | 5,422 | 5,744 | 1,273 | 136 |
| 90278 | 186 | 59 | 57 | 66 | 8,685 | 8,867 | 4,663 | 353 |
| 90280 | 297 | 112 | 165 | 70 | 196 | 543 | 144 | 101 |
| 90290 | 187 | | 2 | 2 | 99 | 103 | 104 | 18 |
| 90291 | 10,433 | 732 | 214 | 368 | 100 | 1,414 | 119 | 108 |
| 90292 | 6,493 | 452 | 43 | 69 | 48 | 612 | 198 | 42 |
| 90293 | 4,392 | 80 | 25 | 44 | 40 | 189 | 44 | 38 |
| 90301 | 3,177 | 21 | 63 | 98 | 41 | 223 | 51 | 92 |
| 90302 | 2,286 | 12 | 68 | 79 | 61 | 220 | 44 | 40 |
| 90303 | 1,926 | 31 | 69 | 53 | 37 | 190 | 43 | 30 |
| 90304 | 1,612 | 22 | 27 | 123 | 134 | 306 | 71 | 42 |
| 90305 | 1,318 | 77 | 47 | 258 | 27 | 409 | 34 | 32 |
| 90401 | 2,999 | 159 | 134 | 166 | 43 | 502 | 40 | 23 |
| 90402 | 3,073 | 489 | 302 | 113 | 73 | 977 | 63 | 62 |
| 90403 | 10,757 | 254 | 72 | 191 | 87 | 604 | 104 | 45 |
| 90404 | 9,442 | 46 | 60 | 98 | 62 | 266 | 64 | 53 |
| 90405 | 11,516 | 58 | 102 | 201 | 64 | 425 | 66 | 69 |
| 90501 | 422 | 2,474 | 5,682 | 4,445 | 365 | 12,966 | 452 | 135 |

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 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 90232 | 65 | 34 | 478 | 43 | 63 | 137 | 46 | 289 | 7,060 |
| 90240 | 22 | 16 | 144 | 6 | 33 | 21 | 18 | 78 | 7,475 |
| 90241 | 64 | 46 | 267 | 32 | 62 | 70 | 30 | 194 | 13,526 |
| 90242 | 36 | 33 | 188 | 26 | 33 | 59 | 31 | 149 | 11,502 |
| 90245 | 29 | 23 | 128 | 29 | 51 | 64 | 26 | 170 | 7,727 |
| 90247 | 57 | 72 | 514 | 118 | 138 | 60 | 31 | 347 | 15,362 |
| 90248 | 18 | 9 | 144 | 13 | 50 | 35 | 6 | 104 | 4,260 |
| 90249 | 28 | 22 | 269 | 32 | 128 | 51 | 23 | 234 | 9,191 |
| 90250 | 91 | 30 | 401 | 85 | 91 | 69 | 42 | 287 | 28,383 |
| 90254 | 47 | 33 | 184 | 55 | 185 | 58 | 18 | 316 | 8,373 |
| 90255 | 42 | 55 | 273 | 41 | 74 | 59 | 27 | 201 | 17,927 |
| 90260 | 88 | 87 | 5,310 | 69 | 91 | 125 | 20 | 305 | 10,201 |
| 90261 | | | 1 | | | | | | 1 |
| 90262 | 36 | 36 | 317 | 43 | 100 | 54 | 9 | 206 | 15,089 |
| 90263 | | 1 | 1 | | 3 | | | 3 | 17 |
| 90265 | 78 | 57 | 341 | 80 | 120 | 92 | 51 | 343 | 5,970 |
| 90266 | 267 | 424 | 6,467 | 291 | 321 | 242 | 48 | 902 | 14,562 |
| 90270 | 23 | 15 | 115 | 12 | 32 | 18 | 4 | 66 | 6,325 |
| 90272 | 79 | 57 | 368 | 54 | 165 | 162 | 129 | 510 | 8,827 |
| 90274 | 57 | 32 | 347 | 54 | 104 | 122 | 27 | 307 | 9,459 |
| 90275 | 54 | 50 | 363 | 50 | 85 | 223 | 100 | 458 | 13,956 |
| 90277 | 76 | 104 | 1,589 | 77 | 194 | 90 | 24 | 385 | 12,538 |
| 90278 | 154 | 174 | 5,344 | 137 | 144 | 66 | 36 | 383 | 15,121 |
| 90280 | 97 | 43 | 385 | 42 | 80 | 87 | 38 | 247 | 24,119 |
| 90290 | 5 | 1 | 128 | | 2 | 2 | 1 | 5 | 437 |
| 90291 | 69 | 92 | 388 | 126 | 139 | 239 | 133 | 637 | 13,789 |
| 90292 | 50 | 43 | 333 | 72 | 75 | 79 | 19 | 245 | 7,869 |
| 90293 | 40 | 14 | 136 | 29 | 33 | 10 | 33 | 105 | 4,956 |
| 90301 | 52 | 12 | 207 | 41 | 35 | 37 | 22 | 135 | 11,651 |
| 90302 | 39 | 19 | 142 | 19 | 48 | 27 | 13 | 107 | 10,534 |
| 90303 | 40 | 8 | 121 | 23 | 25 | 23 | 11 | 82 | 7,510 |
| 90304 | 29 | 13 | 155 | 35 | 25 | 26 | 14 | 100 | 6,152 |
| 90305 | 26 | 9 | 101 | 22 | 14 | 24 | 5 | 65 | 5,836 |
| 90401 | 11 | 5 | 79 | 34 | 65 | 53 | 3 | 155 | 3,808 |
| 90402 | 92 | 17 | 234 | 53 | 54 | 128 | 31 | 266 | 4,729 |
| 90403 | 50 | 41 | 240 | 75 | 96 | 261 | 129 | 561 | 12,283 |
| 90404 | 30 | 12 | 159 | 46 | 80 | 79 | 93 | 298 | 10,319 |
| 90405 | 51 | 34 | 220 | 71 | 115 | 239 | 101 | 526 | 12,904 |
| 90501 | 46 | 44 | 677 | 59 | 235 | 107 | 34 | 435 | 14,836 |

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 Supplemental Testimony
 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2012 | | 2013 | | | | 2013 Total | 2014 |
|------------------------|--------------------|------------|--------|--------|--------|-------|------------|-------|
| | Qtrr/Year 10-12 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | |
| 90502 | | | 4 | 23 | 13 | 8 | 48 | 4 |
| 90503 | | | 27 | 62 | 31 | 34 | 154 | 38 |
| 90504 | | | 13 | 60 | 30 | 25 | 128 | 21 |
| 90505 | | | 11 | 96 | 35 | 47 | 189 | 37 |
| 90506 | | | | | | | | |
| 90601 | 4 | 4 | 12 | 58 | 30 | 43 | 143 | 2,004 |
| 90602 | | | 20 | 38 | 32 | 23 | 113 | 2,284 |
| 90603 | 10 | 10 | 20 | 4,210 | 584 | 50 | 4,864 | 45 |
| 90604 | 4 | 4 | 25 | 3,859 | 345 | 36 | 4,265 | 1,551 |
| 90605 | 3 | 3 | 26 | 1,451 | 131 | 88 | 1,696 | 666 |
| 90606 | 1 | 1 | 5 | 11 | 24 | 25 | 65 | 662 |
| 90620 | 2 | 2 | 9 | 92 | 11 | 15 | 127 | 13 |
| 90621 | 5 | 5 | 9 | 22 | 7 | 8 | 46 | 13 |
| 90622 | | | | | | | | |
| 90623 | 1 | 1 | 3 | 12 | 11 | 8 | 34 | 8 |
| 90630 | 13 | 13 | 11 | 28 | 29 | 13 | 81 | 35 |
| 90631 | 3 | 3 | 49 | 1,335 | 330 | 116 | 1,830 | 257 |
| 90638 | 7 | 7 | 89 | 7,404 | 121 | 107 | 7,721 | 417 |
| 90639 | | | | | | | | |
| 90640 | 9 | 9 | 20 | 54 | 14,171 | 677 | 14,922 | 118 |
| 90650 | 34 | 34 | 212 | 18,195 | 5,245 | 222 | 23,874 | 120 |
| 90660 | 3 | 3 | 40 | 5,747 | 595 | 1,183 | 7,565 | 1,403 |
| 90670 | 8 | 8 | 38 | 2,688 | 57 | 71 | 2,854 | 405 |
| 90680 | 2 | 2 | 1 | 6 | 7 | 2 | 16 | 9 |
| 90701 | 284 | 284 | 2,997 | 570 | 32 | 47 | 3,646 | 10 |
| 90703 | 1,038 | 1,038 | 8,352 | 4,870 | 96 | 111 | 13,429 | 62 |
| 90706 | 29 | 29 | 18,129 | 174 | 210 | 111 | 18,624 | 40 |
| 90710 | | | 10 | 37 | 19 | 10 | 76 | 16 |
| 90712 | 5 | 5 | 10,135 | 84 | 31 | 45 | 10,295 | 56 |
| 90713 | 8,249 | 8,249 | 824 | 99 | 47 | 43 | 1,013 | 22 |
| 90714 | | | | | | | | |
| 90715 | 8 | 8 | 4,387 | 235 | 22 | 40 | 4,684 | 16 |
| 90716 | 2 | 2 | 2,495 | 178 | 16 | 25 | 2,714 | 4 |
| 90717 | | | 6 | 47 | 27 | 17 | 97 | 24 |
| 90720 | 5 | 5 | 10 | 35 | 27 | 18 | 90 | 14 |
| 90723 | 9,303 | 9,303 | 1,893 | 298 | 63 | 89 | 2,343 | 35 |
| 90731 | | | 19 | 98 | 77 | 67 | 261 | 58 |
| 90732 | | | 5 | 23 | 27 | 16 | 71 | 27 |
| 90740 | 6 | 6 | 11 | 16 | 14 | 19 | 60 | 12 |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2014 | | | 2014 Total | 2015 | | | |
|------------------------|-------|-------|-------|------------|-------|-------|-------|-------|
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 90502 | 7 | 13 | 10 | 34 | 8 | 11 | 15 | 13 |
| 90503 | 27 | 30 | 33 | 128 | 29 | 34 | 40 | 1,397 |
| 90504 | 28 | 36 | 27 | 112 | 24 | 19 | 21 | 27 |
| 90505 | 24 | 27 | 39 | 127 | 28 | 29 | 43 | 5,035 |
| 90506 | | | | | | | | |
| 90601 | 67 | 315 | 1,073 | 3,459 | 3,637 | 730 | 101 | 223 |
| 90602 | 32 | 18 | 37 | 2,371 | 1,491 | 1,323 | 66 | 141 |
| 90603 | 55 | 47 | 24 | 171 | 30 | 410 | 33 | 35 |
| 90604 | 112 | 42 | 36 | 1,741 | 1,195 | 2,849 | 81 | 50 |
| 90605 | 80 | 43 | 52 | 841 | 2,233 | 2,443 | 92 | 94 |
| 90606 | 97 | 24 | 1,647 | 2,430 | 747 | 3,859 | 139 | 56 |
| 90620 | 4,867 | 2,117 | 66 | 7,063 | 31 | 567 | 1,052 | 3,629 |
| 90621 | 5,969 | 914 | 572 | 7,468 | 119 | 464 | 123 | 50 |
| 90622 | | | | | | | | 1 |
| 90623 | 3,515 | 431 | 19 | 3,973 | 6 | 80 | 14 | 8 |
| 90630 | 66 | 48 | 18 | 167 | 37 | 5,645 | 2,846 | 3,395 |
| 90631 | 3,568 | 9,716 | 1,770 | 15,311 | 129 | 240 | 361 | 566 |
| 90638 | 62 | 166 | 291 | 936 | 4,645 | 132 | 97 | 109 |
| 90639 | | | | | | | | |
| 90640 | 24 | 64 | 51 | 257 | 1,486 | 123 | 47 | 28 |
| 90650 | 65 | 113 | 299 | 597 | 90 | 90 | 92 | 75 |
| 90660 | 69 | 74 | 65 | 1,611 | 4,689 | 1,214 | 185 | 106 |
| 90670 | 114 | 21 | 203 | 743 | 687 | 1,141 | 149 | 44 |
| 90680 | 13 | 17 | 29 | 68 | 27 | 17 | 243 | 5,178 |
| 90701 | 16 | 34 | 75 | 135 | 21 | 22 | 29 | 6 |
| 90703 | 225 | 58 | 248 | 593 | 48 | 65 | 45 | 50 |
| 90706 | 40 | 45 | 451 | 576 | 62 | 77 | 48 | 75 |
| 90710 | 10 | 14 | 16 | 56 | 11 | 12 | 4,547 | 28 |
| 90712 | 22 | 25 | 85 | 188 | 20 | 40 | 72 | 34 |
| 90713 | 13 | 34 | 94 | 163 | 18 | 26 | 15 | 24 |
| 90714 | | | | | | | | |
| 90715 | 16 | 23 | 67 | 122 | 18 | 176 | 80 | 19 |
| 90716 | 7 | 10 | 23 | 44 | 6 | 8 | 15 | 15 |
| 90717 | 16 | 19 | 25 | 84 | 19 | 22 | 223 | 995 |
| 90720 | 18 | 13 | 24 | 69 | 23 | 54 | 17 | 6,219 |
| 90723 | 16 | 25 | 148 | 224 | 23 | 53 | 31 | 46 |
| 90731 | 52 | 44 | 53 | 207 | 53 | 512 | 4,773 | 90 |
| 90732 | 9 | 24 | 20 | 80 | 14 | 1,305 | 2,114 | 57 |
| 90740 | 26 | 18 | 24 | 80 | 14 | 24 | 14 | 5,041 |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|-------|-------|-------|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 90502 | 47 | 19 | 4,858 | 80 | 66 | 5,023 | 58 | 24 |
| 90503 | 1,500 | 848 | 44 | 4,892 | 4,118 | 9,902 | 473 | 158 |
| 90504 | 91 | 35 | 45 | 8,296 | 1,310 | 9,686 | 374 | 130 |
| 90505 | 5,135 | 4,873 | 118 | 398 | 60 | 5,449 | 50 | 87 |
| 90506 | | | | | | | | |
| 90601 | 4,691 | 1,143 | 519 | 121 | 61 | 1,844 | 65 | 82 |
| 90602 | 3,021 | 68 | 1,491 | 81 | 60 | 1,700 | 45 | 59 |
| 90603 | 508 | 21 | 546 | 100 | 47 | 714 | 43 | 64 |
| 90604 | 4,175 | 51 | 490 | 79 | 113 | 733 | 80 | 56 |
| 90605 | 4,862 | 299 | 2,086 | 142 | 75 | 2,602 | 63 | 60 |
| 90606 | 4,801 | 527 | 53 | 88 | 57 | 725 | 31 | 37 |
| 90620 | 5,279 | 77 | 56 | 74 | 72 | 279 | 85 | 75 |
| 90621 | 756 | 45 | 61 | 55 | 29 | 190 | 73 | 43 |
| 90622 | 1 | | | | | | | |
| 90623 | 108 | 166 | 22 | 15 | 19 | 222 | 15 | 31 |
| 90630 | 11,923 | 209 | 120 | 97 | 85 | 511 | 122 | 109 |
| 90631 | 1,296 | 69 | 136 | 136 | 107 | 448 | 203 | 177 |
| 90638 | 4,983 | 48 | 156 | 43 | 100 | 347 | 78 | 131 |
| 90639 | | | | | | | | 2 |
| 90640 | 1,684 | 39 | 85 | 113 | 155 | 392 | 64 | 74 |
| 90650 | 347 | 289 | 113 | 91 | 244 | 737 | 169 | 128 |
| 90660 | 6,194 | 45 | 134 | 129 | 106 | 414 | 69 | 70 |
| 90670 | 2,021 | 32 | 120 | 51 | 61 | 264 | 51 | 79 |
| 90680 | 5,465 | 185 | 65 | 47 | 37 | 334 | 35 | 52 |
| 90701 | 78 | 91 | 20 | 14 | 53 | 178 | 22 | 41 |
| 90703 | 208 | 192 | 117 | 138 | 132 | 579 | 132 | 113 |
| 90706 | 262 | 227 | 57 | 129 | 189 | 602 | 87 | 172 |
| 90710 | 4,598 | 100 | 2,512 | 221 | 56 | 2,889 | 54 | 41 |
| 90712 | 166 | 153 | 30 | 33 | 67 | 283 | 66 | 40 |
| 90713 | 83 | 116 | 16 | 18 | 77 | 227 | 49 | 36 |
| 90714 | | 1 | | | | 1 | | |
| 90715 | 293 | 65 | 16 | 23 | 44 | 148 | 30 | 9 |
| 90716 | 44 | 26 | 9 | 16 | 37 | 88 | 23 | 13 |
| 90717 | 1,259 | 5,599 | 83 | 92 | 39 | 5,813 | 26 | 39 |
| 90720 | 6,313 | 149 | 61 | 183 | 41 | 434 | 117 | 133 |
| 90723 | 153 | 221 | 25 | 54 | 86 | 386 | 82 | 65 |
| 90731 | 5,428 | 9,861 | 2,204 | 504 | 92 | 12,661 | 123 | 87 |
| 90732 | 3,490 | 2,505 | 628 | 269 | 32 | 3,434 | 57 | 35 |
| 90740 | 5,093 | 251 | 45 | 60 | 26 | 382 | 61 | 80 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-------|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 90502 | 15 | 41 | 138 | 35 | 51 | 35 | 15 | 136 | 5,426 |
| 90503 | 78 | 48 | 757 | 47 | 114 | 72 | 16 | 249 | 12,690 |
| 90504 | 93 | 30 | 627 | 27 | 87 | 46 | 13 | 173 | 10,817 |
| 90505 | 49 | 34 | 220 | 34 | 73 | 65 | 17 | 189 | 11,309 |
| 90506 | 1 | | 1 | | | | | | 1 |
| 90601 | 31 | 27 | 205 | 32 | 102 | 66 | 31 | 231 | 10,577 |
| 90602 | 30 | 16 | 150 | 14 | 101 | 52 | 20 | 187 | 7,542 |
| 90603 | 25 | 21 | 153 | 20 | 50 | 27 | 53 | 150 | 6,570 |
| 90604 | 70 | 42 | 248 | 23 | 60 | 35 | 79 | 197 | 11,363 |
| 90605 | 42 | 38 | 203 | 36 | 205 | 77 | 63 | 381 | 10,588 |
| 90606 | 52 | 22 | 142 | 25 | 48 | 117 | 85 | 275 | 8,439 |
| 90620 | 50 | 49 | 259 | 22 | 33 | 91 | 57 | 203 | 13,212 |
| 90621 | 27 | 10 | 153 | 15 | 80 | 119 | 16 | 230 | 8,848 |
| 90622 | | | | | | 1 | | 1 | 2 |
| 90623 | 10 | 16 | 72 | 22 | 4 | 81 | 11 | 118 | 4,528 |
| 90630 | 69 | 33 | 333 | 63 | 35 | 65 | 22 | 185 | 13,213 |
| 90631 | 234 | 50 | 664 | 32 | 44 | 101 | 131 | 308 | 19,860 |
| 90638 | 61 | 24 | 294 | 47 | 46 | 59 | 25 | 177 | 14,465 |
| 90639 | 1 | | 3 | | | | | | 3 |
| 90640 | 36 | 30 | 204 | 75 | 158 | 143 | 299 | 675 | 18,143 |
| 90650 | 83 | 74 | 454 | 66 | 108 | 66 | 59 | 299 | 26,342 |
| 90660 | 58 | 48 | 245 | 46 | 50 | 118 | 52 | 266 | 16,298 |
| 90670 | 49 | 27 | 206 | 41 | 48 | 27 | 62 | 178 | 6,274 |
| 90680 | 19 | 10 | 116 | 19 | 21 | 71 | 12 | 123 | 6,124 |
| 90701 | 14 | 25 | 102 | 12 | 13 | 28 | 23 | 76 | 4,499 |
| 90703 | 87 | 76 | 408 | 23 | 43 | 46 | 56 | 168 | 16,423 |
| 90706 | 198 | 44 | 501 | 40 | 67 | 80 | 42 | 229 | 20,823 |
| 90710 | 26 | 13 | 134 | 16 | 35 | 153 | 35 | 239 | 7,992 |
| 90712 | 25 | 18 | 149 | 14 | 18 | 24 | 24 | 80 | 11,166 |
| 90713 | 11 | 14 | 110 | 10 | 19 | 25 | 31 | 85 | 9,930 |
| 90714 | | | | | | | | | 1 |
| 90715 | 17 | 38 | 94 | 4 | 6 | 28 | 12 | 50 | 5,399 |
| 90716 | 15 | 10 | 61 | 3 | 2 | 21 | 7 | 33 | 2,986 |
| 90717 | 84 | 20 | 169 | 20 | 53 | 171 | 19 | 263 | 7,685 |
| 90720 | 57 | 32 | 339 | 27 | 288 | 105 | 18 | 438 | 7,688 |
| 90723 | 91 | 17 | 255 | 25 | 53 | 70 | 41 | 189 | 12,853 |
| 90731 | 50 | 39 | 299 | 71 | 498 | 1,526 | 512 | 2,607 | 21,463 |
| 90732 | 54 | 32 | 178 | 41 | 80 | 306 | 227 | 654 | 7,907 |
| 90740 | 26 | 22 | 189 | 30 | 193 | 90 | 8 | 321 | 6,131 |

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2012 | | 2013 | | | | 2013 Total | 2014 | |
|------------------------|-------------------|------------|------|-------|-------|-------|------------|------|-------|
| | Qtr/Year 10-12 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | | |
| 90742 | | | | | 3 | 4 | 1 | 8 | |
| 90743 | 1 | 1 | | | 1 | | 3 | 4 | 1 |
| 90744 | | | | 6 | 50 | 41 | 18 | 115 | 21 |
| 90745 | | | | 23 | 63 | 186 | 60 | 332 | 33 |
| 90746 | 1 | 1 | 13 | 36 | 27 | 25 | 101 | | 758 |
| 90747 | | | | | | | | | |
| 90804 | | | | | | | | | |
| 90805 | | | 3 | 1 | | | | 4 | 1 |
| 90807 | | | | | | | | | |
| 90808 | | | | | | | | | |
| 90810 | 1 | 1 | 10 | 7 | 8 | 14 | 39 | | 9 |
| 90895 | | | 1 | | | | 1 | | |
| 91001 | 2 | 2 | 47 | 49 | 6,683 | 4,742 | 11,521 | | 191 |
| 91006 | 1 | 1 | 61 | 45 | 43 | 262 | 411 | | 5,717 |
| 91007 | 1 | 1 | 43 | 87 | 806 | 1,091 | 2,027 | | 5,475 |
| 91008 | | | 6 | 7 | 1 | 1 | 15 | | 2 |
| 91010 | 5 | 5 | 11 | 9 | 4 | 14 | 38 | | 30 |
| 91011 | | | 17 | 678 | 227 | 20 | 942 | | 25 |
| 91016 | 3 | 3 | 15 | 37 | 35 | 32 | 119 | | 93 |
| 91020 | | | 8 | 2,251 | 806 | 6 | 3,071 | | 11 |
| 91024 | 1 | 1 | 18 | 17 | 18 | 23 | 76 | | 35 |
| 91030 | | | 16 | 23 | 8,594 | 463 | 9,096 | | 91 |
| 91040 | | | 2 | 69 | 19 | 20 | 110 | | 23 |
| 91042 | | | | 82 | 17 | 28 | 127 | | 27 |
| 91046 | | | | | | 4 | 4 | | |
| 91101 | | | 11 | 33 | 2,539 | 3,252 | 5,835 | | 312 |
| 91103 | 2 | 2 | 23 | 32 | 646 | 6,124 | 6,825 | | 516 |
| 91104 | 1 | 1 | 16 | 37 | 3,244 | 7,082 | 10,379 | | 1,225 |
| 91105 | | | 9 | 29 | 3,481 | 1,132 | 4,651 | | 138 |
| 91106 | 1 | 1 | 23 | 37 | 3,370 | 4,818 | 8,248 | | 390 |
| 91107 | | | 56 | 50 | 1,657 | 9,834 | 11,597 | | 328 |
| 91108 | | | 99 | 64 | 3,270 | 212 | 3,645 | | 56 |
| 91121 | | | | | | | | | |
| 91124 | | | | | | | | | |
| 91125 | | | | | | | | | |
| 91170 | | | | | | | | | 1 |
| 91188 | | | | | | | | | |
| 91201 | | | 3 | 18 | 3,371 | 4,264 | 7,656 | | 534 |
| 91202 | | | 7 | 16 | 457 | 5,843 | 6,323 | | 774 |

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 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2014 | | | 2014 Total | 2015 | | | |
|------------------------|--------|-------|-------|------------|-------|--------|-----|-------|
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 90742 | 3 | 2 | 4 | 9 | 1 | 3 | 11 | 7 |
| 90743 | 1 | | | 2 | 2 | 3 | 4 | |
| 90744 | 34 | 70 | 87 | 212 | 38 | 11,531 | 277 | 234 |
| 90745 | 1,408 | 48 | 7,021 | 8,510 | 4,371 | 85 | 128 | 116 |
| 90746 | 6,671 | 59 | 52 | 7,540 | 31 | 40 | 41 | 24 |
| 90747 | 1 | | | 1 | | | 3 | |
| 90804 | | | | | | | | |
| 90805 | 1 | | | 2 | | | | |
| 90807 | | | | | | | | |
| 90808 | | | | | | | 1 | |
| 90810 | 1,933 | 26 | 22 | 1,990 | 14 | 10 | 11 | 12 |
| 90895 | | | | | | | | |
| 91001 | 34 | 76 | 225 | 526 | 35 | 52 | 55 | 25 |
| 91006 | 1,625 | 181 | 532 | 8,055 | 738 | 109 | 543 | 125 |
| 91007 | 587 | 1,036 | 252 | 7,350 | 187 | 96 | 79 | 231 |
| 91008 | 256 | 8 | 7 | 273 | 1 | 3 | 5 | 1 |
| 91010 | 5,020 | 62 | 31 | 5,143 | 17 | 24 | 896 | 67 |
| 91011 | 4,620 | 397 | 343 | 5,385 | 130 | 42 | 52 | 53 |
| 91016 | 11,098 | 100 | 63 | 11,354 | 890 | 1,548 | 459 | 37 |
| 91020 | 22 | 10 | 8 | 51 | 16 | 27 | 41 | 4 |
| 91024 | 3,029 | 49 | 25 | 3,138 | 44 | 20 | 454 | 793 |
| 91030 | 34 | 40 | 482 | 647 | 56 | 74 | 54 | 49 |
| 91040 | 2,646 | 3,961 | 180 | 6,810 | 21 | 37 | 54 | 30 |
| 91042 | 24 | 9,073 | 279 | 9,403 | 53 | 39 | 43 | 29 |
| 91046 | | | 1 | 1 | 4 | | | 1 |
| 91101 | 77 | 68 | 649 | 1,106 | 7 | 62 | 121 | 21 |
| 91103 | 70 | 51 | 189 | 826 | 21 | 40 | 37 | 31 |
| 91104 | 52 | 58 | 364 | 1,699 | 73 | 47 | 49 | 29 |
| 91105 | 38 | 46 | 162 | 384 | 38 | 46 | 39 | 31 |
| 91106 | 47 | 68 | 622 | 1,127 | 21 | 42 | 56 | 35 |
| 91107 | 76 | 67 | 179 | 650 | 171 | 54 | 54 | 30 |
| 91108 | 33 | 65 | 401 | 555 | 14 | 29 | 18 | 24 |
| 91121 | | | | | | | | |
| 91124 | | | | | | | | |
| 91125 | | | | | | | | |
| 91170 | | | | 1 | | | | |
| 91188 | | | | | | | | |
| 91201 | 70 | 59 | 168 | 831 | 58 | 25 | 40 | 21 |
| 91202 | 47 | 221 | 262 | 1,304 | 65 | 17 | 37 | 15 |

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 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | | |
|------------------------|------------|------|-----|-----|-------|------------|-------|-----|----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | |
| 90742 | 22 | 414 | | 7 | 20 | 6 | 447 | 6 | 2 |
| 90743 | 9 | 183 | | 1 | 7 | 2 | 193 | 10 | 7 |
| 90744 | 12,080 | 60 | 103 | 911 | 160 | | 1,234 | 96 | 57 |
| 90745 | 4,700 | 46 | 225 | 97 | 105 | | 473 | 99 | 56 |
| 90746 | 136 | 25 | 98 | 32 | 55 | | 210 | 80 | 33 |
| 90747 | 3 | | | | | | | | |
| 90804 | | | | 1 | | | 1 | | |
| 90805 | | | | | | | | | |
| 90807 | | 2 | | | | | 2 | | |
| 90808 | 1 | | | | | | | | |
| 90810 | 47 | 9 | 29 | 8 | 9 | | 55 | 14 | 13 |
| 90895 | | | | | | | | | |
| 91001 | 167 | 82 | 41 | 51 | 97 | | 271 | 109 | 67 |
| 91006 | 1,515 | 561 | 105 | 163 | 65 | | 894 | 55 | 75 |
| 91007 | 593 | 148 | 74 | 197 | 91 | | 510 | 63 | 40 |
| 91008 | 10 | 71 | 2 | 16 | 5 | | 94 | 5 | 5 |
| 91010 | 1,004 | 868 | 35 | 75 | 39 | | 1,017 | 27 | 24 |
| 91011 | 277 | 32 | 38 | 151 | 66 | | 287 | 74 | 92 |
| 91016 | 2,934 | 84 | 83 | 92 | 59 | | 318 | 106 | 59 |
| 91020 | 88 | 8 | 13 | 56 | 21 | | 98 | 18 | 8 |
| 91024 | 1,311 | 24 | 61 | 29 | 22 | | 136 | 12 | 26 |
| 91030 | 233 | 85 | 50 | 54 | 68 | | 257 | 114 | 50 |
| 91040 | 142 | 27 | 13 | 58 | 53 | | 151 | 32 | 37 |
| 91042 | 164 | 49 | 29 | 50 | 47 | | 175 | 38 | 31 |
| 91046 | 5 | 1 | | | | | 1 | | |
| 91101 | 211 | 44 | 76 | 37 | 81 | | 238 | 59 | 64 |
| 91103 | 129 | 75 | 33 | 29 | 56 | | 193 | 66 | 44 |
| 91104 | 198 | 80 | 25 | 37 | 59 | | 201 | 117 | 62 |
| 91105 | 154 | 91 | 66 | 35 | 85 | | 277 | 57 | 48 |
| 91106 | 154 | 87 | 31 | 42 | 73 | | 233 | 63 | 71 |
| 91107 | 309 | 116 | 51 | 50 | 97 | | 314 | 97 | 96 |
| 91108 | 85 | 63 | 44 | 31 | 56 | | 194 | 41 | 69 |
| 91121 | | | | | | | | | 1 |
| 91124 | | | | | | | | 1 | |
| 91125 | | | 1 | | | | 1 | | |
| 91170 | | | | | | | | | |
| 91188 | | | | | | | | | |
| 91201 | 144 | 23 | 22 | 168 | 61 | | 274 | 39 | 26 |
| 91202 | 134 | 15 | 17 | 74 | 63 | | 169 | 27 | 30 |

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 90742 | 13 | 2 | 23 | 2 | 4 | 18 | 4 | 28 | 537 |
| 90743 | 4 | 8 | 29 | 2 | | 10 | | 12 | 250 |
| 90744 | 118 | 36 | 307 | 39 | 90 | 175 | 141 | 445 | 14,393 |
| 90745 | 64 | 33 | 252 | 144 | 88 | 65 | 17 | 314 | 14,581 |
| 90746 | 17 | 11 | 141 | 22 | 36 | 24 | 8 | 90 | 8,219 |
| 90747 | | | | | 2 | 1 | | 3 | 7 |
| 90804 | | | | | | | | | 1 |
| 90805 | 1 | | 1 | | | | | | 7 |
| 90807 | | | | | | | | | 2 |
| 90808 | | | | | | | | | 1 |
| 90810 | 5 | 10 | 42 | 6 | 7 | 11 | 6 | 30 | 2,204 |
| 90895 | | | | | | | | | 1 |
| 91001 | 39 | 43 | 258 | 90 | 77 | 57 | 37 | 261 | 13,006 |
| 91006 | 37 | 43 | 210 | 50 | 64 | 248 | 118 | 480 | 11,566 |
| 91007 | 43 | 41 | 187 | 40 | 55 | 77 | 246 | 418 | 11,086 |
| 91008 | 6 | 2 | 18 | 6 | 6 | 2 | | 14 | 424 |
| 91010 | 99 | 17 | 167 | 25 | 18 | 21 | 7 | 71 | 7,445 |
| 91011 | 32 | 26 | 224 | 51 | 57 | 67 | 11 | 186 | 7,301 |
| 91016 | 46 | 181 | 392 | 54 | 59 | 336 | 24 | 473 | 15,593 |
| 91020 | 6 | 2 | 34 | 26 | 20 | 29 | 17 | 92 | 3,434 |
| 91024 | 17 | 14 | 69 | 11 | 11 | 68 | 16 | 106 | 4,837 |
| 91030 | 57 | 22 | 243 | 45 | 42 | 71 | 11 | 169 | 10,645 |
| 91040 | 29 | 23 | 121 | 19 | 55 | 30 | 13 | 117 | 7,451 |
| 91042 | 40 | 44 | 153 | 35 | 53 | 42 | 26 | 156 | 10,178 |
| 91046 | | | | | | 1 | | 1 | 12 |
| 91101 | 86 | 19 | 228 | 63 | 23 | 41 | 7 | 134 | 7,752 |
| 91103 | 36 | 17 | 163 | 32 | 37 | 59 | 13 | 141 | 8,279 |
| 91104 | 43 | 28 | 250 | 51 | 49 | 56 | 27 | 183 | 12,911 |
| 91105 | 40 | 38 | 183 | 41 | 77 | 147 | 23 | 288 | 5,937 |
| 91106 | 29 | 30 | 193 | 44 | 47 | 72 | 15 | 178 | 10,134 |
| 91107 | 64 | 79 | 336 | 116 | 47 | 103 | 19 | 285 | 13,491 |
| 91108 | 26 | 14 | 150 | 33 | 24 | 56 | 13 | 126 | 4,755 |
| 91121 | | | 1 | | | | | | 1 |
| 91124 | | | 1 | | | | | | 1 |
| 91125 | | | | | | | | | 1 |
| 91170 | | | | | | | | | 1 |
| 91188 | | | | | 1 | | | 1 | 1 |
| 91201 | 13 | 8 | 86 | 17 | 47 | 33 | 3 | 100 | 9,091 |
| 91202 | 16 | 18 | 91 | 17 | 43 | 18 | 9 | 87 | 8,108 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 |
|------------|-----------|------------|------|-------|-------|-------|------------|-------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | |
| Row Labels | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | |
| 91203 | | | 9 | 16 | 1,313 | 3,323 | 4,661 | 229 |
| 91204 | | | 6 | 7 | 12 | 4,343 | 4,368 | 886 |
| 91205 | | | 13 | 10 | 48 | 14 | 85 | 118 |
| 91206 | | | 17 | 53 | 7,159 | 259 | 7,488 | 132 |
| 91207 | | | 10 | 52 | 3,070 | 227 | 3,359 | 86 |
| 91208 | | | 5 | 129 | 4,976 | 79 | 5,189 | 49 |
| 91210 | | | | | | 53 | 53 | 26 |
| 91214 | | | 13 | 4,234 | 5,684 | 39 | 9,970 | 30 |
| 91301 | | | 2 | 47 | 46 | 46 | 141 | 49 |
| 91302 | 3 | 3 | 8 | 79 | 112 | 45 | 244 | 90 |
| 91303 | 2 | 2 | | | 110 | 24 | 134 | 25 |
| 91304 | 1 | 1 | 4 | 4 | 52 | 66 | 126 | 68 |
| 91306 | 1 | 1 | 1 | 2 | 8 | 36 | 47 | 37 |
| 91307 | 4 | 4 | 5 | 3 | 67 | 40 | 115 | 52 |
| 91310 | | | | | | | | |
| 91311 | 1 | 1 | 2 | 3 | 6 | 28 | 39 | 50 |
| 91316 | 1 | 1 | 2 | 23 | 10 | 5 | 40 | 28 |
| 91320 | | | 9 | 76 | 68 | 48 | 201 | 61 |
| 91321 | | | | 29 | 24 | 28 | 81 | 71 |
| 91324 | | | | 3 | 26 | 22 | 51 | 38 |
| 91325 | | | | 16 | 160 | 26 | 202 | 37 |
| 91326 | | | 10 | 31 | 35 | 98 | 174 | 160 |
| 91329 | | | | | | 1 | 1 | |
| 91330 | | | | | | | | |
| 91331 | | | 3 | 72 | 40 | 34 | 149 | 1,198 |
| 91335 | | | 1 | 6 | 61 | 35 | 103 | 51 |
| 91340 | | | 4 | 55 | 10 | 19 | 88 | 31 |
| 91342 | 1 | 1 | 2 | 160 | 40 | 31 | 233 | 46 |
| 91343 | | | | 43 | 5 | 12 | 60 | 766 |
| 91344 | 6 | 6 | | 14 | 22 | 24 | 60 | 51 |
| 91345 | | | | 4 | | 1 | 5 | 14 |
| 91348 | | | | | | | | |
| 91350 | | | 8 | 58 | 74 | 129 | 269 | 85 |
| 91351 | | | | 11 | 13 | 20 | 44 | 14 |
| 91352 | | | | 47 | 53 | 40 | 140 | 57 |
| 91354 | | | 1 | 76 | 72 | 94 | 243 | 61 |
| 91355 | | | 1 | 32 | 17 | 16 | 66 | 67 |
| 91356 | | | 1 | 6 | 22 | 20 | 49 | 21 |
| 91360 | | | 6 | 47 | 53 | 54 | 160 | 86 |

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 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2014 | | | 2014 Total | 2015 | | | |
|------------------------|--------|-------|--------|------------|--------|--------|-------|--------|
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 91203 | 154 | 51 | 213 | 647 | 45 | 16 | 22 | 92 |
| 91204 | 115 | 43 | 126 | 1,170 | 49 | 25 | 52 | 19 |
| 91205 | 12,021 | 841 | 537 | 13,517 | 47 | 33 | 31 | 24 |
| 91206 | 3,018 | 164 | 802 | 4,116 | 68 | 146 | 80 | 30 |
| 91207 | 21 | 15 | 238 | 360 | 15 | 29 | 19 | 16 |
| 91208 | 523 | 46 | 68 | 686 | 17 | 22 | 21 | 12 |
| 91210 | 10 | | 21 | 57 | 2 | 1 | 2 | 1 |
| 91214 | 24 | 134 | 32 | 220 | 40 | 72 | 78 | 25 |
| 91301 | 45 | 100 | 86 | 280 | 49 | 1,745 | 5,932 | 109 |
| 91302 | 95 | 46 | 43 | 274 | 28 | 6,942 | 847 | 95 |
| 91303 | 37 | 39 | 16 | 117 | 8,164 | 211 | 88 | 178 |
| 91304 | 23 | 35 | 131 | 257 | 4,366 | 8,086 | 239 | 149 |
| 91306 | 38 | 28 | 66 | 169 | 8,803 | 2,819 | 221 | 166 |
| 91307 | 25 | 15 | 20 | 112 | 1,018 | 6,580 | 120 | 78 |
| 91310 | | | | | | | | |
| 91311 | 38 | 24 | 84 | 196 | 367 | 10,559 | 449 | 198 |
| 91316 | 26 | 157 | 7,139 | 7,350 | 372 | 293 | 283 | 67 |
| 91320 | 71 | 53 | 57 | 242 | 44 | 43 | 39 | 7,136 |
| 91321 | 53 | 2,901 | 5,806 | 8,831 | 955 | 134 | 92 | 21 |
| 91324 | 203 | 3,259 | 1,211 | 4,711 | 939 | 2,515 | 220 | 92 |
| 91325 | 54 | 8,179 | 1,664 | 9,934 | 66 | 141 | 146 | 71 |
| 91326 | 528 | 1,100 | 4,889 | 6,677 | 1,996 | 2,058 | 198 | 143 |
| 91329 | | | | | | | | |
| 91330 | 1 | 335 | 1 | 337 | | 6 | | 1 |
| 91331 | 5,497 | 4,573 | 1,726 | 12,994 | 134 | 5,442 | 151 | 165 |
| 91335 | 33 | 8,298 | 2,779 | 11,161 | 7,487 | 372 | 235 | 244 |
| 91340 | 75 | 393 | 346 | 845 | 5,916 | 1,011 | 68 | 82 |
| 91342 | 61 | 2,103 | 1,349 | 3,559 | 17,189 | 426 | 169 | 265 |
| 91343 | 10,668 | 3,113 | 230 | 14,777 | 67 | 167 | 98 | 47 |
| 91344 | 6,332 | 8,596 | 237 | 15,216 | 126 | 153 | 170 | 81 |
| 91345 | 4,662 | 44 | 46 | 4,766 | 25 | 74 | 41 | 9 |
| 91348 | | | | | | | | |
| 91350 | 156 | 838 | 9,584 | 10,663 | 466 | 139 | 255 | 115 |
| 91351 | 20 | 7,558 | 1,531 | 9,123 | 74 | 83 | 63 | 42 |
| 91352 | 187 | 2,036 | 84 | 2,364 | 8,667 | 247 | 96 | 172 |
| 91354 | 53 | 109 | 9,571 | 9,794 | 152 | 142 | 81 | 71 |
| 91355 | 35 | 37 | 11,448 | 11,587 | 951 | 316 | 132 | 33 |
| 91356 | 33 | 21 | 6,388 | 6,463 | 2,352 | 212 | 279 | 99 |
| 91360 | 99 | 100 | 40 | 325 | 39 | 50 | 34 | 11,252 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | | |
|------------------------|------------|-------|-----|-----|-------|------------|-------|-----|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | |
| 91203 | 175 | 24 | | 7 | 168 | 104 | 303 | 40 | 14 |
| 91204 | 145 | 21 | | 8 | 92 | 37 | 158 | 102 | 5 |
| 91205 | 135 | 21 | | 20 | 39 | 62 | 142 | 57 | 28 |
| 91206 | 324 | 21 | | 15 | 131 | 58 | 225 | 43 | 37 |
| 91207 | 79 | 12 | | 13 | 51 | 26 | 102 | 23 | 20 |
| 91208 | 72 | 15 | | 14 | 52 | 42 | 123 | 28 | 33 |
| 91210 | 6 | 1 | | | 4 | | 5 | 4 | 1 |
| 91214 | 215 | 31 | | 38 | 171 | 104 | 344 | 72 | 57 |
| 91301 | 7,835 | 78 | | 32 | 50 | 64 | 224 | 56 | 55 |
| 91302 | 7,912 | 78 | | 75 | 92 | 112 | 357 | 58 | 103 |
| 91303 | 8,641 | 66 | | 27 | 48 | 33 | 174 | 50 | 25 |
| 91304 | 12,840 | 59 | | 51 | 109 | 104 | 323 | 83 | 90 |
| 91306 | 12,009 | 70 | | 54 | 88 | 112 | 324 | 97 | 57 |
| 91307 | 7,796 | 44 | | 44 | 72 | 65 | 225 | 90 | 66 |
| 91310 | | | | | | 1 | 1 | | |
| 91311 | 11,573 | 102 | | 42 | 64 | 84 | 292 | 94 | 99 |
| 91316 | 1,015 | 47 | | 138 | 104 | 68 | 357 | 55 | 71 |
| 91320 | 7,262 | 6,460 | | 197 | 106 | 62 | 6,825 | 92 | 64 |
| 91321 | 1,202 | 23 | | 20 | 21 | 79 | 143 | 104 | 64 |
| 91324 | 3,766 | 45 | | 92 | 45 | 80 | 262 | 56 | 86 |
| 91325 | 424 | 47 | | 58 | 38 | 47 | 190 | 37 | 56 |
| 91326 | 4,395 | 65 | | 78 | 56 | 92 | 291 | 64 | 101 |
| 91329 | | | | | | | | 2 | |
| 91330 | 7 | 1 | | 5 | 2 | | 8 | 1 | 2 |
| 91331 | 5,892 | 92 | | 127 | 152 | 158 | 529 | 138 | 74 |
| 91335 | 8,338 | 97 | | 108 | 124 | 99 | 428 | 133 | 102 |
| 91340 | 7,077 | 47 | | 30 | 52 | 68 | 197 | 64 | 33 |
| 91342 | 18,049 | 128 | | 106 | 253 | 177 | 664 | 206 | 142 |
| 91343 | 379 | 77 | | 58 | 156 | 73 | 364 | 79 | 94 |
| 91344 | 530 | 65 | | 95 | 75 | 54 | 289 | 61 | 111 |
| 91345 | 149 | 11 | | 13 | 29 | 22 | 75 | 25 | 23 |
| 91348 | | | | | | | | | |
| 91350 | 975 | 133 | | 118 | 200 | 160 | 611 | 131 | 201 |
| 91351 | 262 | 42 | | 48 | 48 | 119 | 257 | 123 | 61 |
| 91352 | 9,182 | 50 | | 46 | 113 | 100 | 309 | 262 | 68 |
| 91354 | 446 | 72 | | 36 | 59 | 115 | 282 | 64 | 111 |
| 91355 | 1,432 | 52 | | 33 | 37 | 149 | 271 | 94 | 87 |
| 91356 | 2,942 | 71 | | 92 | 68 | 81 | 312 | 88 | 85 |
| 91360 | 11,375 | 586 | | 249 | 109 | 63 | 1,007 | 59 | 55 |

Attachment B
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 91203 | 100 | 13 | 167 | 14 | 19 | 24 | 2 | 59 | 6,012 |
| 91204 | 33 | 8 | 148 | 68 | 22 | 25 | 4 | 119 | 6,108 |
| 91205 | 29 | 16 | 130 | 30 | 18 | 47 | 7 | 102 | 14,111 |
| 91206 | 18 | 17 | 115 | 25 | 48 | 50 | 6 | 129 | 12,397 |
| 91207 | 11 | 9 | 63 | 13 | 22 | 13 | 4 | 52 | 4,015 |
| 91208 | 20 | 9 | 90 | 13 | 24 | 40 | 2 | 79 | 6,239 |
| 91210 | | 1 | 6 | 6 | 7 | 4 | | 17 | 144 |
| 91214 | 19 | 21 | 169 | 42 | 87 | 34 | 4 | 167 | 11,085 |
| 91301 | 57 | 50 | 218 | 40 | 37 | 34 | 28 | 139 | 8,837 |
| 91302 | 65 | 63 | 289 | 50 | 71 | 51 | 32 | 204 | 9,283 |
| 91303 | 23 | 24 | 122 | 43 | 21 | 37 | 17 | 118 | 9,308 |
| 91304 | 49 | 44 | 266 | 57 | 72 | 49 | 25 | 203 | 14,016 |
| 91306 | 45 | 26 | 225 | 42 | 52 | 32 | 23 | 149 | 12,924 |
| 91307 | 46 | 48 | 250 | 34 | 34 | 34 | 8 | 110 | 8,612 |
| 91310 | 1 | | 1 | | | | | | 2 |
| 91311 | 75 | 63 | 331 | 65 | 91 | 58 | 25 | 239 | 12,671 |
| 91316 | 44 | 23 | 193 | 56 | 62 | 51 | 22 | 191 | 9,147 |
| 91320 | 88 | 55 | 299 | 52 | 56 | 59 | 62 | 229 | 15,058 |
| 91321 | 44 | 15 | 227 | 38 | 49 | 30 | 7 | 124 | 10,608 |
| 91324 | 37 | 38 | 217 | 49 | 76 | 49 | 22 | 196 | 9,203 |
| 91325 | 66 | 34 | 193 | 31 | 53 | 44 | 17 | 145 | 11,088 |
| 91326 | 58 | 41 | 264 | 62 | 53 | 50 | 39 | 204 | 12,005 |
| 91329 | | | 2 | | 1 | | | 1 | 4 |
| 91330 | | | 3 | 2 | | 1 | | 3 | 358 |
| 91331 | 50 | 48 | 310 | 95 | 110 | 82 | 29 | 316 | 20,190 |
| 91335 | 49 | 48 | 332 | 82 | 87 | 124 | 89 | 382 | 20,744 |
| 91340 | 35 | 20 | 152 | 51 | 46 | 35 | 19 | 151 | 8,510 |
| 91342 | 74 | 86 | 508 | 136 | 163 | 79 | 55 | 433 | 23,447 |
| 91343 | 112 | 71 | 356 | 115 | 76 | 50 | 24 | 265 | 16,201 |
| 91344 | 52 | 42 | 266 | 54 | 66 | 79 | 28 | 227 | 16,594 |
| 91345 | 8 | 16 | 72 | 15 | 23 | 28 | 22 | 88 | 5,155 |
| 91348 | 1 | | 1 | | | | | | 1 |
| 91350 | 137 | 91 | 560 | 73 | 108 | 117 | 44 | 342 | 13,420 |
| 91351 | 24 | 12 | 220 | 28 | 61 | 17 | 25 | 131 | 10,037 |
| 91352 | 52 | 14 | 396 | 138 | 73 | 32 | 15 | 258 | 12,649 |
| 91354 | 30 | 29 | 234 | 24 | 47 | 68 | 32 | 171 | 11,170 |
| 91355 | 35 | 30 | 246 | 69 | 53 | 60 | 9 | 191 | 13,793 |
| 91356 | 101 | 31 | 305 | 74 | 57 | 57 | 30 | 218 | 10,289 |
| 91360 | 89 | 53 | 256 | 54 | 46 | 62 | 39 | 201 | 13,324 |

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 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 |
|------------|-----------|------------|------|-------|-------|-------|------------|--------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | |
| Row Labels | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 |
| 91361 | | | 3 | 177 | 37 | 31 | 248 | 52 |
| 91362 | | | 2 | 146 | 68 | 53 | 269 | 109 |
| 91364 | | | 1 | 9 | 18 | 5 | 33 | 39 |
| 91367 | | | 1 | 3 | 15 | 16 | 35 | 47 |
| 91371 | | | | | | | | |
| 91377 | | | 1 | 13 | 17 | 15 | 46 | 8 |
| 91381 | | | 1 | 7 | 1 | 8 | 17 | 28 |
| 91382 | | | | | | | | |
| 91384 | | | | 39 | 8 | 6 | 53 | 15 |
| 91387 | | | | 166 | 92 | 60 | 318 | 35 |
| 91390 | | | 1 | 20 | 8 | 6 | 35 | 5 |
| 91401 | | | 3 | 124 | 23 | 7,675 | 7,825 | 4,775 |
| 91402 | | | 2 | 54 | 40 | 62 | 158 | 5,668 |
| 91403 | | | 1 | 91 | 4,056 | 1,071 | 5,219 | 3,559 |
| 91405 | 1 | 1 | 3 | 72 | 25 | 3,909 | 4,009 | 8,410 |
| 91406 | 2 | 2 | 1 | 49 | 36 | 16 | 102 | 1,794 |
| 91411 | | | | 39 | 5 | 850 | 894 | 6,511 |
| 91423 | | | | 144 | 4,224 | 1,155 | 5,523 | 7,045 |
| 91436 | | | | 25 | 4 | 12 | 41 | 17 |
| 91501 | 1 | 1 | 1 | 6,475 | 151 | 64 | 6,691 | 101 |
| 91502 | | | | 3,823 | 167 | 75 | 4,065 | 80 |
| 91504 | | | 2 | 3,695 | 4,234 | 120 | 8,051 | 56 |
| 91505 | | | 11 | 6,710 | 5,226 | 406 | 12,353 | 322 |
| 91506 | | | 1 | 4,361 | 2,758 | 113 | 7,233 | 53 |
| 91521 | | | | 1 | | | 1 | |
| 91522 | | | | | | | | |
| 91523 | | | | | | | | |
| 91601 | | | 8 | 62 | 189 | 1,014 | 1,273 | 135 |
| 91602 | | | 1 | 79 | 11 | 2,496 | 2,587 | 172 |
| 91604 | | | 2 | 90 | 3,244 | 7,070 | 10,406 | 1,417 |
| 91605 | | | 4 | 90 | 22 | 3,556 | 3,672 | 878 |
| 91606 | | | 1 | 49 | 21 | 3,809 | 3,880 | 236 |
| 91607 | | | 2 | 112 | 62 | 9,910 | 10,086 | 845 |
| 91608 | | | | | | | | |
| 91701 | 21 | 21 | 48 | 37 | 25 | 23 | 133 | 83 |
| 91702 | 60 | 60 | 40 | 75 | 30 | 71 | 216 | 104 |
| 91706 | 8 | 8 | 7 | 31 | 11 | 31 | 80 | 10,748 |
| 91708 | 10 | 10 | 8 | 7 | 8 | 50 | 73 | 191 |
| 91709 | 5 | 5 | 19 | 122 | 35 | 27 | 203 | 37 |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|-------------------|-------------|------------|--------------|-------------------|-------------|------------|------------|--------------|--|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | |
| 91361 | 36 | 60 | 46 | 194 | 27 | 25 | 21 | 6,139 | |
| 91362 | 118 | 154 | 78 | 459 | 49 | 38 | 43 | 11,825 | |
| 91364 | 37 | 17 | 329 | 422 | 1,967 | 6,777 | 587 | 198 | |
| 91367 | 45 | 33 | 37 | 162 | 5,418 | 8,097 | 502 | 135 | |
| 91371 | | | | | 1 | | | | |
| 91377 | 39 | 33 | 35 | 115 | 19 | 9 | 4,806 | 29 | |
| 91381 | 31 | 1,007 | 5,207 | 6,273 | 97 | 199 | 29 | 21 | |
| 91382 | | | | | | | | | |
| 91384 | 8 | 12 | 5,990 | 6,025 | 71 | 73 | 59 | 15 | |
| 91387 | 37 | 11,401 | 863 | 12,336 | 70 | 253 | 47 | 30 | |
| 91390 | 42 | 1,799 | 2,121 | 3,967 | 32 | 46 | 23 | 13 | |
| 91401 | 220 | 93 | 215 | 5,303 | 45 | 163 | 57 | 37 | |
| 91402 | 8,732 | 131 | 407 | 14,938 | 43 | 254 | 40 | 31 | |
| 91403 | 263 | 70 | 1,036 | 4,928 | 89 | 136 | 96 | 48 | |
| 91405 | 353 | 200 | 404 | 9,367 | 37 | 198 | 40 | 58 | |
| 91406 | 949 | 12,664 | 523 | 15,930 | 109 | 209 | 103 | 67 | |
| 91411 | 203 | 61 | 109 | 6,884 | 56 | 136 | 45 | 33 | |
| 91423 | 180 | 113 | 269 | 7,607 | 86 | 122 | 67 | 55 | |
| 91436 | 21 | 27 | 4,471 | 4,536 | 77 | 198 | 155 | 69 | |
| 91501 | 60 | 61 | 511 | 733 | 114 | 37 | 22 | 15 | |
| 91502 | 96 | 42 | 355 | 573 | 66 | 76 | 34 | 20 | |
| 91504 | 62 | 45 | 104 | 267 | 1,060 | 54 | 30 | 23 | |
| 91505 | 156 | 86 | 302 | 866 | 207 | 98 | 39 | 49 | |
| 91506 | 49 | 33 | 92 | 227 | 23 | 42 | 32 | 25 | |
| 91521 | | | | | | | | | |
| 91522 | | | | | | | | 1 | |
| 91523 | | | | | | | | 1 | |
| 91601 | 79 | 87 | 277 | 578 | 8,232 | 6,071 | 196 | 185 | |
| 91602 | 31 | 33 | 177 | 413 | 2,392 | 3,456 | 65 | 77 | |
| 91604 | 441 | 129 | 159 | 2,146 | 296 | 334 | 143 | 97 | |
| 91605 | 1,395 | 91 | 145 | 2,509 | 7,788 | 780 | 86 | 97 | |
| 91606 | 176 | 40 | 328 | 780 | 6,985 | 2,200 | 111 | 101 | |
| 91607 | 310 | 152 | 281 | 1,588 | 71 | 269 | 63 | 44 | |
| 91608 | 2 | | | 2 | 14 | 4 | | | |
| 91701 | 28 | 24 | 29 | 164 | 37 | 3,616 | 45 | 25 | |
| 91702 | 13,937 | 328 | 117 | 14,486 | 67 | 74 | 80 | 90 | |
| 91706 | 2,707 | 215 | 1,177 | 14,847 | 26 | 45 | 60 | 373 | |
| 91708 | 159 | 12 | | 362 | 1 | 10 | 9 | 1,900 | |
| 91709 | 42 | 142 | 44 | 265 | 52 | 147 | 195 | 20,692 | |

Attachment B
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|-------|-----|-----|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 91361 | 6,212 | 278 | 174 | 71 | 55 | 578 | 44 | 52 |
| 91362 | 11,955 | 224 | 208 | 83 | 65 | 580 | 69 | 59 |
| 91364 | 9,529 | 69 | 66 | 100 | 86 | 321 | 82 | 66 |
| 91367 | 14,152 | 81 | 92 | 347 | 147 | 667 | 133 | 103 |
| 91371 | 1 | | | | | | | 1 |
| 91377 | 4,863 | 25 | 49 | 20 | 39 | 133 | 27 | 20 |
| 91381 | 346 | 22 | 15 | 17 | 62 | 116 | 29 | 162 |
| 91382 | | | | 1 | | 1 | | |
| 91384 | 218 | 21 | 18 | 22 | 49 | 110 | 28 | 106 |
| 91387 | 400 | 39 | 24 | 79 | 82 | 224 | 73 | 148 |
| 91390 | 114 | 16 | 14 | 23 | 23 | 76 | 22 | 145 |
| 91401 | 302 | 63 | 73 | 75 | 82 | 293 | 68 | 85 |
| 91402 | 368 | 23 | 40 | 70 | 95 | 228 | 43 | 55 |
| 91403 | 369 | 59 | 68 | 133 | 91 | 351 | 45 | 77 |
| 91405 | 333 | 341 | 161 | 73 | 222 | 797 | 105 | 47 |
| 91406 | 488 | 41 | 77 | 239 | 83 | 440 | 108 | 66 |
| 91411 | 270 | 36 | 21 | 72 | 42 | 171 | 24 | 31 |
| 91423 | 330 | 60 | 107 | 124 | 109 | 400 | 92 | 91 |
| 91436 | 499 | 61 | 102 | 76 | 64 | 303 | 46 | 104 |
| 91501 | 188 | 19 | 14 | 62 | 60 | 155 | 36 | 32 |
| 91502 | 196 | 19 | 14 | 61 | 51 | 145 | 43 | 14 |
| 91504 | 1,167 | 29 | 24 | 180 | 100 | 333 | 90 | 45 |
| 91505 | 393 | 41 | 29 | 138 | 144 | 352 | 60 | 61 |
| 91506 | 122 | 22 | 24 | 83 | 87 | 216 | 41 | 34 |
| 91521 | | | | | | | 1 | |
| 91522 | 1 | | | | 1 | 1 | | |
| 91523 | 1 | | | | | | | |
| 91601 | 14,684 | 126 | 102 | 190 | 186 | 604 | 89 | 68 |
| 91602 | 5,990 | 71 | 34 | 80 | 68 | 253 | 137 | 46 |
| 91604 | 870 | 83 | 86 | 152 | 145 | 466 | 91 | 133 |
| 91605 | 8,751 | 71 | 47 | 147 | 120 | 385 | 180 | 67 |
| 91606 | 9,397 | 48 | 33 | 92 | 122 | 295 | 84 | 62 |
| 91607 | 447 | 36 | 59 | 138 | 89 | 322 | 53 | 74 |
| 91608 | 18 | 1 | 2 | 2 | | 5 | 1 | |
| 91701 | 3,723 | 6,720 | 835 | 188 | 97 | 7,840 | 268 | 169 |
| 91702 | 311 | 849 | 190 | 153 | 122 | 1,314 | 193 | 53 |
| 91706 | 504 | 2,130 | 106 | 169 | 96 | 2,501 | 74 | 88 |
| 91708 | 1,920 | 260 | 221 | 72 | 36 | 589 | 67 | 36 |
| 91709 | 21,086 | 1,134 | 164 | 206 | 172 | 1,676 | 354 | 360 |

Attachment B
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 91361 | 61 | 30 | 187 | 29 | 46 | 35 | 46 | 156 | 7,575 |
| 91362 | 100 | 36 | 264 | 56 | 66 | 94 | 30 | 246 | 13,773 |
| 91364 | 41 | 47 | 236 | 38 | 65 | 69 | 40 | 212 | 10,753 |
| 91367 | 71 | 57 | 364 | 74 | 68 | 68 | 37 | 247 | 15,627 |
| 91371 | | | 1 | | | | 1 | 1 | 3 |
| 91377 | 21 | 14 | 82 | 10 | 25 | 25 | 18 | 78 | 5,317 |
| 91381 | 23 | 8 | 222 | 14 | 41 | 35 | 1 | 91 | 7,065 |
| 91382 | | | | | | | | | 1 |
| 91384 | 27 | 19 | 180 | 19 | 38 | 20 | 13 | 90 | 6,676 |
| 91387 | 75 | 89 | 385 | 67 | 73 | 100 | 59 | 299 | 13,962 |
| 91390 | 29 | 13 | 209 | 14 | 25 | 30 | 8 | 77 | 4,478 |
| 91401 | 58 | 30 | 241 | 84 | 64 | 46 | 33 | 227 | 14,191 |
| 91402 | 38 | 37 | 173 | 106 | 56 | 53 | 76 | 291 | 16,156 |
| 91403 | 46 | 27 | 195 | 45 | 55 | 52 | 24 | 176 | 11,238 |
| 91405 | 39 | 16 | 207 | 63 | 58 | 38 | 47 | 206 | 14,920 |
| 91406 | 69 | 48 | 291 | 59 | 73 | 53 | 22 | 207 | 17,460 |
| 91411 | 15 | 127 | 197 | 52 | 58 | 18 | 24 | 152 | 8,568 |
| 91423 | 56 | 49 | 288 | 54 | 72 | 54 | 17 | 197 | 14,345 |
| 91436 | 124 | 38 | 312 | 39 | 52 | 70 | 20 | 181 | 5,872 |
| 91501 | 13 | 23 | 104 | 22 | 31 | 30 | 12 | 95 | 7,967 |
| 91502 | 7 | 24 | 88 | 20 | 19 | 24 | 13 | 76 | 5,143 |
| 91504 | 15 | 20 | 170 | 38 | 60 | 36 | 12 | 146 | 10,134 |
| 91505 | 19 | 37 | 177 | 60 | 55 | 53 | 15 | 183 | 14,324 |
| 91506 | 13 | 37 | 125 | 42 | 32 | 27 | 9 | 110 | 8,033 |
| 91521 | | | 1 | | | | | | 2 |
| 91522 | | 1 | 1 | | | | | | 3 |
| 91523 | | | | | | | | | 1 |
| 91601 | 69 | 43 | 269 | 177 | 104 | 217 | 48 | 546 | 17,954 |
| 91602 | 73 | 20 | 276 | 67 | 63 | 78 | 36 | 244 | 9,763 |
| 91604 | 78 | 41 | 343 | 119 | 76 | 80 | 26 | 301 | 14,532 |
| 91605 | 84 | 62 | 393 | 86 | 120 | 65 | 39 | 310 | 16,020 |
| 91606 | 30 | 31 | 207 | 80 | 72 | 54 | 32 | 238 | 14,797 |
| 91607 | 33 | 22 | 182 | 47 | 102 | 45 | 35 | 229 | 12,854 |
| 91608 | | | 1 | | 4 | | | 4 | 30 |
| 91701 | 35 | 52 | 524 | 41 | 48 | 52 | 13 | 154 | 12,559 |
| 91702 | 79 | 86 | 411 | 92 | 152 | 108 | 32 | 384 | 17,182 |
| 91706 | 94 | 51 | 307 | 41 | 101 | 86 | 26 | 254 | 18,501 |
| 91708 | 41 | 64 | 208 | 92 | 131 | 129 | 46 | 398 | 3,560 |
| 91709 | 108 | 181 | 1,003 | 148 | 259 | 401 | 120 | 928 | 25,166 |

Attachment B
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2012 | | 2013 | | | | 2013 Total | 2014 |
|------------------------|--------------------|------------|------|-------|-----|--------|------------|--------|
| | Qrtr/Year 10-12 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | |
| 91710 | 26 | 26 | 33 | 139 | 66 | 114 | 352 | 109 |
| 91711 | 3 | 3 | 46 | 63 | 12 | 25 | 146 | 21 |
| 91715 | | | | | | | | |
| 91719 | | | | | | | | |
| 91722 | 6 | 6 | 20 | 15 | 4 | 20 | 59 | 516 |
| 91723 | 8 | 8 | 18 | 13 | 3 | 223 | 257 | 5,054 |
| 91724 | 13 | 13 | 43 | 52 | 8 | 22 | 125 | 49 |
| 91730 | 10 | 10 | 33 | 84 | 87 | 67 | 271 | 82 |
| 91731 | | | 12 | 23 | 86 | 127 | 248 | 5,063 |
| 91732 | 2 | 2 | 16 | 50 | 223 | 76 | 365 | 845 |
| 91733 | 1 | 1 | 30 | 25 | 47 | 11 | 113 | 1,808 |
| 91734 | | | | | | | | |
| 91737 | 5 | 5 | 50 | 23 | 12 | 23 | 108 | 32 |
| 91739 | 2 | 2 | 15 | 32 | 34 | 34 | 115 | 40 |
| 91740 | 17 | 17 | 29 | 23 | 17 | 16 | 85 | 5,747 |
| 91741 | 27 | 27 | 92 | 45 | 326 | 211 | 674 | 6,114 |
| 91743 | | | | | | | | |
| 91744 | 10 | 10 | 18 | 33 | 111 | 185 | 347 | 51 |
| 91745 | 23 | 23 | 84 | 86 | 29 | 16 | 215 | 59 |
| 91746 | 3 | 3 | 9 | 15 | 92 | 10 | 126 | 73 |
| 91747 | | | | | | 1 | 1 | |
| 91748 | 10 | 10 | 32 | 45 | 23 | 13 | 113 | 37 |
| 91750 | 32 | 32 | 25 | 85 | 18 | 22 | 150 | 112 |
| 91752 | 12 | 12 | 2 | 20 | 11 | 10 | 43 | 17 |
| 91754 | | | 42 | 64 | 28 | 10,264 | 10,398 | 644 |
| 91755 | | | 11 | 31 | 32 | 7,715 | 7,789 | 147 |
| 91761 | 2 | 2 | 14 | 44 | 34 | 34 | 126 | 18 |
| 91762 | 5 | 5 | 14 | 34 | 20 | 25 | 93 | 29 |
| 91763 | 1 | 1 | 2 | 28 | 9 | 34 | 73 | 1,594 |
| 91764 | 9 | 9 | 4 | 15 | 7 | 47 | 73 | 62 |
| 91765 | 17 | 17 | 39 | 65 | 45 | 32 | 181 | 38 |
| 91766 | 18 | 18 | 24 | 51 | 26 | 29 | 130 | 37 |
| 91767 | 6 | 6 | 16 | 28 | 14 | 19 | 77 | 26 |
| 91768 | 3 | 3 | 13 | 34 | 11 | 11 | 69 | 14 |
| 91769 | | | | | | | | |
| 91770 | | | 27 | 1,866 | 78 | 402 | 2,373 | 12,480 |
| 91773 | 23 | 23 | 30 | 58 | 24 | 44 | 156 | 4,603 |
| 91775 | | | 22 | 6,741 | 170 | 27 | 6,960 | 41 |
| 91776 | | | 35 | 9,434 | 238 | 49 | 9,756 | 1,591 |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|-------------------|-------------|------------|--------------|-------------------|-------------|------------|------------|--------------|--|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | |
| 91710 | 180 | 251 | 213 | 753 | 345 | 152 | 153 | 5,723 | |
| 91711 | 43 | 72 | 88 | 224 | 9,019 | 201 | 76 | 41 | |
| 91715 | | | | | | | | | |
| 91719 | | | | | | | | | |
| 91722 | 6,721 | 1,058 | 68 | 8,363 | 18 | 41 | 45 | 13 | |
| 91723 | 714 | 145 | 38 | 5,951 | 16 | 11 | 16 | 9 | |
| 91724 | 2,072 | 5,002 | 415 | 7,538 | 39 | 28 | 58 | 17 | |
| 91730 | 146 | 284 | 51 | 563 | 110 | 15,793 | 112 | 98 | |
| 91731 | 141 | 70 | 49 | 5,323 | 123 | 948 | 168 | 20 | |
| 91732 | 6,862 | 524 | 4,327 | 12,558 | 343 | 557 | 100 | 56 | |
| 91733 | 35 | 4,393 | 2,047 | 8,283 | 875 | 1,015 | 104 | 51 | |
| 91734 | | | | | | | | | |
| 91737 | 27 | 17 | 14 | 90 | 24 | 3,038 | 38 | 23 | |
| 91739 | 241 | 141 | 104 | 526 | 126 | 10,294 | 107 | 123 | |
| 91740 | 1,439 | 99 | 42 | 7,327 | 7 | 44 | 136 | 119 | |
| 91741 | 1,716 | 62 | 50 | 7,942 | 17 | 26 | 19 | 37 | |
| 91743 | | 1 | | 1 | | | | | |
| 91744 | 36 | 11,158 | 4,360 | 15,605 | 105 | 118 | 747 | 74 | |
| 91745 | 145 | 3,481 | 10,333 | 14,018 | 145 | 107 | 338 | 60 | |
| 91746 | 132 | 1,838 | 3,970 | 6,013 | 49 | 42 | 140 | 50 | |
| 91747 | | | 31 | 31 | | | | | |
| 91748 | 31 | 7,443 | 4,488 | 11,999 | 93 | 140 | 80 | 46 | |
| 91750 | 141 | 68 | 77 | 398 | 8,998 | 213 | 77 | 33 | |
| 91752 | 19 | 79 | 118 | 233 | 68 | 5,248 | 2,570 | 100 | |
| 91754 | 72 | 40 | 75 | 831 | 25 | 27 | 27 | 20 | |
| 91755 | 36 | 33 | 67 | 283 | 12 | 15 | 10 | 21 | |
| 91761 | 21 | 88 | 32 | 159 | 37 | 5,573 | 286 | 141 | |
| 91762 | 32 | 39 | 50 | 150 | 26 | 127 | 467 | 473 | |
| 91763 | 280 | 89 | 60 | 2,023 | 15 | 24 | 103 | 68 | |
| 91764 | 80 | 47 | 38 | 227 | 35 | 2,324 | 155 | 111 | |
| 91765 | 42 | 73 | 159 | 312 | 10,284 | 293 | 2,881 | 99 | |
| 91766 | 32 | 68 | 64 | 201 | 12,093 | 580 | 702 | 884 | |
| 91767 | 39 | 39 | 23 | 127 | 10,907 | 217 | 140 | 64 | |
| 91768 | 8 | 16 | 14 | 52 | 4,277 | 1,538 | 84 | 1,292 | |
| 91769 | | | | | | | | | |
| 91770 | 369 | 101 | 99 | 13,049 | 349 | 104 | 45 | 36 | |
| 91773 | 489 | 4,447 | 119 | 9,658 | 60 | 25 | 38 | 12 | |
| 91775 | 32 | 30 | 243 | 346 | 39 | 20 | 17 | 21 | |
| 91776 | 101 | 66 | 256 | 2,014 | 45 | 26 | 39 | 43 | |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|--------|-------|-------|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 91710 | 6,373 | 13,479 | 337 | 273 | 197 | 14,286 | 206 | 305 |
| 91711 | 9,337 | 29 | 1,330 | 207 | 112 | 1,678 | 98 | 106 |
| 91715 | | | | | | | | 1 |
| 91719 | | 2 | | | | 2 | | |
| 91722 | 117 | 63 | 523 | 47 | 47 | 680 | 42 | 24 |
| 91723 | 52 | 15 | 359 | 53 | 32 | 459 | 40 | 30 |
| 91724 | 142 | 16 | 411 | 60 | 46 | 533 | 39 | 139 |
| 91730 | 16,113 | 142 | 5,010 | 139 | 155 | 5,446 | 392 | 118 |
| 91731 | 1,259 | 26 | 51 | 29 | 41 | 147 | 34 | 19 |
| 91732 | 1,056 | 29 | 67 | 83 | 56 | 235 | 40 | 60 |
| 91733 | 2,045 | 59 | 70 | 66 | 53 | 248 | 43 | 36 |
| 91734 | | | | | | | | |
| 91737 | 3,123 | 3,746 | 257 | 91 | 76 | 4,170 | 167 | 154 |
| 91739 | 10,650 | 91 | 50 | 86 | 126 | 353 | 154 | 236 |
| 91740 | 306 | 106 | 33 | 30 | 47 | 216 | 31 | 56 |
| 91741 | 99 | 189 | 48 | 76 | 67 | 380 | 89 | 95 |
| 91743 | | | | | | | | |
| 91744 | 1,044 | 57 | 157 | 84 | 78 | 376 | 109 | 151 |
| 91745 | 650 | 60 | 98 | 86 | 79 | 323 | 90 | 75 |
| 91746 | 281 | 31 | 69 | 37 | 41 | 178 | 73 | 27 |
| 91747 | | | | | 1 | 1 | | |
| 91748 | 359 | 41 | 50 | 69 | 85 | 245 | 59 | 55 |
| 91750 | 9,321 | 20 | 325 | 73 | 86 | 504 | 72 | 79 |
| 91752 | 7,986 | 177 | 116 | 162 | 169 | 624 | 163 | 195 |
| 91754 | 99 | 30 | 134 | 32 | 57 | 253 | 61 | 35 |
| 91755 | 58 | 22 | 153 | 35 | 52 | 262 | 41 | 20 |
| 91761 | 6,037 | 8,679 | 222 | 211 | 201 | 9,313 | 272 | 209 |
| 91762 | 1,093 | 10,587 | 4,019 | 298 | 154 | 15,058 | 185 | 169 |
| 91763 | 210 | 7,143 | 192 | 123 | 71 | 7,529 | 87 | 65 |
| 91764 | 2,625 | 5,913 | 5,009 | 283 | 191 | 11,396 | 209 | 149 |
| 91765 | 13,557 | 82 | 124 | 726 | 109 | 1,041 | 122 | 71 |
| 91766 | 14,259 | 647 | 592 | 156 | 101 | 1,496 | 162 | 92 |
| 91767 | 11,328 | 49 | 181 | 1,148 | 91 | 1,469 | 108 | 103 |
| 91768 | 7,191 | 59 | 122 | 93 | 43 | 317 | 51 | 25 |
| 91769 | | 1 | | | | 1 | | |
| 91770 | 534 | 56 | 82 | 75 | 86 | 299 | 91 | 56 |
| 91773 | 135 | 17 | 277 | 60 | 72 | 426 | 49 | 66 |
| 91775 | 97 | 20 | 76 | 32 | 65 | 193 | 72 | 59 |
| 91776 | 153 | 67 | 129 | 50 | 91 | 337 | 110 | 80 |

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 91710 | 186 | 182 | 879 | 166 | 89 | 239 | 53 | 547 | 23,216 |
| 91711 | 41 | 31 | 276 | 53 | 66 | 103 | 19 | 241 | 11,905 |
| 91715 | | | 1 | | | | | | 1 |
| 91719 | | | | | | | | | 2 |
| 91722 | 43 | 36 | 145 | 34 | 38 | 42 | 12 | 126 | 9,496 |
| 91723 | 30 | 10 | 110 | 11 | 20 | 43 | 9 | 83 | 6,920 |
| 91724 | 68 | 27 | 273 | 39 | 54 | 37 | 8 | 138 | 8,762 |
| 91730 | 62 | 123 | 695 | 59 | 83 | 75 | 34 | 251 | 23,349 |
| 91731 | 21 | 32 | 106 | 15 | 28 | 100 | 64 | 207 | 7,290 |
| 91732 | 32 | 59 | 191 | 50 | 71 | 88 | 11 | 220 | 14,627 |
| 91733 | 109 | 152 | 340 | 88 | 42 | 48 | 22 | 200 | 11,230 |
| 91734 | | | | 1 | | | | 1 | 1 |
| 91737 | 34 | 35 | 390 | 21 | 28 | 29 | 8 | 86 | 7,972 |
| 91739 | 54 | 66 | 510 | 53 | 96 | 51 | 17 | 217 | 12,373 |
| 91740 | 58 | 44 | 189 | 24 | 51 | 27 | 10 | 112 | 8,252 |
| 91741 | 36 | 28 | 248 | 33 | 33 | 60 | 10 | 136 | 9,506 |
| 91743 | | | | | | | | | 1 |
| 91744 | 70 | 42 | 372 | 31 | 43 | 64 | 18 | 156 | 17,910 |
| 91745 | 56 | 35 | 256 | 44 | 41 | 83 | 16 | 184 | 15,669 |
| 91746 | 33 | 28 | 161 | 23 | 17 | 38 | 5 | 83 | 6,845 |
| 91747 | | 1 | 1 | | | | | | 34 |
| 91748 | 44 | 30 | 188 | 40 | 22 | 87 | 11 | 160 | 13,074 |
| 91750 | 46 | 41 | 238 | 39 | 51 | 54 | 18 | 162 | 10,805 |
| 91752 | 150 | 153 | 661 | 161 | 182 | 167 | 73 | 583 | 10,142 |
| 91754 | 50 | 22 | 168 | 39 | 30 | 40 | 18 | 127 | 11,876 |
| 91755 | 35 | 21 | 117 | 15 | 16 | 28 | 16 | 75 | 8,584 |
| 91761 | 220 | 207 | 908 | 143 | 203 | 154 | 90 | 590 | 17,135 |
| 91762 | 139 | 125 | 618 | 99 | 184 | 341 | 309 | 933 | 17,950 |
| 91763 | 132 | 120 | 404 | 80 | 61 | 50 | 22 | 213 | 10,453 |
| 91764 | 78 | 87 | 523 | 54 | 84 | 109 | 88 | 335 | 15,188 |
| 91765 | 60 | 49 | 302 | 49 | 41 | 72 | 57 | 219 | 15,629 |
| 91766 | 76 | 42 | 372 | 63 | 104 | 290 | 72 | 529 | 17,005 |
| 91767 | 99 | 92 | 402 | 69 | 91 | 90 | 28 | 278 | 13,687 |
| 91768 | 28 | 15 | 119 | 18 | 21 | 136 | 93 | 268 | 8,019 |
| 91769 | | | | | | | | | 1 |
| 91770 | 78 | 58 | 283 | 104 | 42 | 104 | 22 | 272 | 16,810 |
| 91773 | 63 | 48 | 226 | 42 | 41 | 37 | 16 | 136 | 10,760 |
| 91775 | 37 | 38 | 206 | 32 | 29 | 41 | 7 | 109 | 7,911 |
| 91776 | 58 | 62 | 310 | 45 | 66 | 58 | 15 | 184 | 12,754 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 |
|------------|-----------|------------|-------|--------|--------|--------|------------|-------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | |
| Row Labels | 10-12 | | | | | | 1-3 | |
| 91778 | | | | | | | | 1 |
| 91780 | | | 20 | 1,913 | 108 | 44 | 2,085 | 184 |
| 91784 | 5 | 5 | 67 | 95 | 40 | 26 | 228 | 25 |
| 91785 | | | | | | | | |
| 91786 | 12 | 12 | 22 | 79 | 32 | 33 | 166 | 39 |
| 91788 | | | | | | | | |
| 91789 | 13 | 13 | 80 | 66 | 37 | 17 | 200 | 26 |
| 91790 | 6 | 6 | 29 | 23 | 13 | 272 | 337 | 206 |
| 91791 | 3 | 3 | 45 | 35 | 23 | 53 | 156 | 1,267 |
| 91792 | 3 | 3 | 16 | 20 | 15 | 9 | 60 | 12 |
| 91793 | | | | | | | | |
| 91801 | | | 5,917 | 10,700 | 225 | 64 | 16,906 | 60 |
| 91802 | | | | | | | | |
| 91803 | | | 1,238 | 8,010 | 75 | 32 | 9,355 | 21 |
| 92201 | | | 23 | 756 | 16,209 | 357 | 17,345 | 150 |
| 92203 | | | 26 | 128 | 9,484 | 246 | 9,884 | 122 |
| 92210 | | | 37 | 1,526 | 795 | 1,529 | 3,887 | 25 |
| 92211 | 1 | 1 | 320 | 120 | 14,553 | 2,219 | 17,212 | 121 |
| 92220 | | | 6 | 115 | 13 | 10,228 | 10,362 | 316 |
| 92223 | | | 31 | 85 | 121 | 6,238 | 6,475 | 8,876 |
| 92225 | | | 4 | 20 | 8 | 4,772 | 4,804 | 28 |
| 92227 | | | 6,421 | 44 | 35 | 20 | 6,520 | 23 |
| 92230 | | | 2 | 6 | 3 | 786 | 797 | 10 |
| 92231 | | | 4,456 | 4,128 | 34 | 16 | 8,634 | 20 |
| 92233 | | | 2 | 880 | 2 | 5 | 889 | 1 |
| 92234 | | | 128 | 102 | 12,419 | 3,503 | 16,152 | 125 |
| 92236 | | | 32 | 28 | 8,183 | 150 | 8,393 | 50 |
| 92239 | | | 2 | | | 187 | 189 | 2 |
| 92240 | | | 36 | 11,001 | 41 | 48 | 11,126 | 24 |
| 92241 | | | 4 | 1,458 | 27 | 30 | 1,519 | 4 |
| 92243 | | | 8,315 | 1,483 | 47 | 55 | 9,900 | 29 |
| 92249 | | | | 1,616 | 4 | 3 | 1,623 | 4 |
| 92250 | | | 4 | 1,189 | 2 | 3 | 1,198 | 3 |
| 92251 | | | 25 | 4,512 | 65 | 70 | 4,672 | 34 |
| 92252 | | | | 2 | 4 | 1,734 | 1,740 | 9 |
| 92253 | | | 34 | 7,830 | 7,081 | 389 | 15,334 | 250 |
| 92254 | | | 1 | 2 | 1,379 | 11 | 1,393 | 2 |
| 92256 | | | 1 | 1 | 3 | 593 | 598 | 7 |
| 92257 | | | | 342 | 3 | | 345 | |

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 A.17-10-002
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 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | |
|------------|-------|-------|-------|------------|------|-----|-----|-------|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 91778 | | | | 1 | | | | |
| 91780 | 5,787 | 138 | 99 | 6,208 | 62 | 537 | 104 | 1,379 |
| 91784 | 43 | 54 | 51 | 173 | 47 | 368 | 65 | 56 |
| 91785 | | | | | | | | |
| 91786 | 49 | 45 | 56 | 189 | 42 | 425 | 383 | 104 |
| 91788 | | 3 | | 3 | | | | |
| 91789 | 42 | 9,076 | 2,622 | 11,766 | 331 | 457 | 191 | 41 |
| 91790 | 3,686 | 4,475 | 1,647 | 10,014 | 54 | 61 | 411 | 37 |
| 91791 | 894 | 3,962 | 1,891 | 8,014 | 53 | 160 | 834 | 60 |
| 91792 | 26 | 7,008 | 473 | 7,519 | 46 | 14 | 27 | 16 |
| 91793 | | 1 | | 1 | | | | |
| 91801 | 33 | 66 | 520 | 679 | 66 | 144 | 155 | 59 |
| 91802 | | | | | | | | |
| 91803 | 22 | 14 | 81 | 138 | 20 | 14 | 22 | 27 |
| 92201 | 71 | 86 | 273 | 580 | 109 | 97 | 52 | 86 |
| 92203 | 129 | 125 | 215 | 591 | 94 | 101 | 71 | 95 |
| 92210 | 44 | 21 | 37 | 127 | 26 | 41 | 32 | 24 |
| 92211 | 100 | 147 | 185 | 553 | 95 | 58 | 36 | 69 |
| 92220 | 125 | 34 | 54 | 529 | 26 | 23 | 24 | 19 |
| 92223 | 144 | 192 | 230 | 9,442 | 101 | 138 | 120 | 182 |
| 92225 | 35 | 13 | 56 | 132 | 23 | 16 | 6 | 8 |
| 92227 | 16 | 20 | 30 | 89 | 32 | 12 | 16 | 24 |
| 92230 | 4 | 11 | | 25 | 4 | 6 | 1 | 5 |
| 92231 | 12 | 21 | 32 | 85 | 11 | 18 | 9 | 11 |
| 92233 | 1 | | 1 | 3 | 1 | | | 2 |
| 92234 | 262 | 49 | 106 | 542 | 34 | 65 | 43 | 41 |
| 92236 | 74 | 37 | 45 | 206 | 17 | 11 | 12 | 33 |
| 92239 | 2 | 2 | 3 | 9 | | | 1 | |
| 92240 | 22 | 46 | 39 | 131 | 38 | 36 | 22 | 46 |
| 92241 | 7 | 49 | 1 | 61 | 2 | 6 | 2 | 4 |
| 92243 | 26 | 26 | 14 | 95 | 19 | 21 | 18 | 20 |
| 92249 | 1 | 3 | 2 | 10 | 3 | 1 | 2 | 6 |
| 92250 | 1 | 6 | 5 | 15 | 4 | 6 | 2 | 3 |
| 92251 | 56 | 56 | 67 | 213 | 20 | 56 | 42 | 18 |
| 92252 | 7 | 15 | 12 | 43 | 3 | 10 | 7 | 3 |
| 92253 | 132 | 111 | 114 | 607 | 72 | 108 | 66 | 82 |
| 92254 | | 4 | 8 | 14 | | 1 | 1 | |
| 92256 | 8 | 12 | 34 | 61 | 9 | 4 | 7 | 2 |
| 92257 | 1 | | 1 | 2 | | | | 1 |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|--------|-------|-----|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 91778 | | | | | | | | |
| 91780 | 2,082 | 746 | 146 | 91 | 69 | 1,052 | 52 | 47 |
| 91784 | 536 | 7,105 | 792 | 182 | 34 | 8,113 | 154 | 132 |
| 91785 | | 20 | | 1 | | 21 | 2 | |
| 91786 | 954 | 12,485 | 3,919 | 233 | 110 | 16,747 | 132 | 195 |
| 91788 | | | | | | | | 1 |
| 91789 | 1,020 | 47 | 60 | 56 | 67 | 230 | 71 | 77 |
| 91790 | 563 | 191 | 641 | 83 | 66 | 981 | 52 | 45 |
| 91791 | 1,107 | 76 | 397 | 82 | 74 | 629 | 56 | 60 |
| 91792 | 103 | 7 | 34 | 19 | 44 | 104 | 28 | 26 |
| 91793 | | | | | | | | |
| 91801 | 424 | 74 | 199 | 91 | 261 | 625 | 231 | 111 |
| 91802 | | | 1 | | | 1 | | |
| 91803 | 83 | 37 | 100 | 45 | 79 | 261 | 83 | 41 |
| 92201 | 344 | 69 | 93 | 91 | 195 | 448 | 170 | 188 |
| 92203 | 361 | 36 | 50 | 84 | 142 | 312 | 142 | 86 |
| 92210 | 123 | 21 | 51 | 80 | 193 | 345 | 170 | 34 |
| 92211 | 258 | 77 | 39 | 67 | 181 | 364 | 167 | 38 |
| 92220 | 92 | 23 | 28 | 22 | 114 | 187 | 97 | 71 |
| 92223 | 541 | 81 | 120 | 393 | 357 | 951 | 172 | 234 |
| 92225 | 53 | 6 | 10 | 19 | 42 | 77 | 49 | 15 |
| 92227 | 84 | 16 | 31 | 37 | 108 | 192 | 53 | 37 |
| 92230 | 16 | 3 | 9 | | 20 | 32 | 13 | 4 |
| 92231 | 49 | 13 | 20 | 35 | 66 | 134 | 65 | 18 |
| 92233 | 3 | 1 | 3 | 4 | 10 | 18 | 14 | 1 |
| 92234 | 183 | 51 | 54 | 92 | 158 | 355 | 171 | 71 |
| 92236 | 73 | 21 | 18 | 22 | 50 | 111 | 41 | 54 |
| 92239 | 1 | 2 | 1 | | | 3 | 1 | |
| 92240 | 142 | 24 | 46 | 47 | 114 | 231 | 76 | 123 |
| 92241 | 14 | | 6 | 1 | 14 | 21 | 100 | 19 |
| 92243 | 78 | 20 | 27 | 47 | 131 | 225 | 170 | 27 |
| 92249 | 12 | | 1 | 7 | 18 | 26 | 2 | 1 |
| 92250 | 15 | 7 | 4 | 11 | 19 | 41 | 5 | 8 |
| 92251 | 136 | 22 | 22 | 101 | 60 | 205 | 66 | 49 |
| 92252 | 23 | 2 | 1 | 7 | 16 | 26 | 2 | 13 |
| 92253 | 328 | 184 | 114 | 287 | 616 | 1,201 | 750 | 303 |
| 92254 | 2 | 1 | 2 | 4 | 4 | 11 | 75 | 1 |
| 92256 | 22 | 3 | 1 | 3 | 5 | 12 | 11 | 5 |
| 92257 | 1 | 4 | | 2 | 2 | 8 | 3 | 3 |

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 91778 | | | | | | | | | 1 |
| 91780 | 58 | 43 | 200 | 52 | 38 | 128 | 146 | 364 | 11,991 |
| 91784 | 28 | 51 | 365 | 25 | 33 | 62 | 24 | 144 | 9,564 |
| 91785 | | | 2 | | | | | | 23 |
| 91786 | 99 | 118 | 544 | 80 | 79 | 121 | 50 | 330 | 18,942 |
| 91788 | | | 1 | | | | | | 4 |
| 91789 | 94 | 66 | 308 | 82 | 31 | 74 | 16 | 203 | 13,740 |
| 91790 | 49 | 27 | 173 | 35 | 34 | 57 | 8 | 134 | 12,208 |
| 91791 | 31 | 13 | 160 | 22 | 34 | 66 | 13 | 135 | 10,204 |
| 91792 | 25 | 11 | 90 | 16 | 19 | 33 | 2 | 70 | 7,949 |
| 91793 | | | | | | | | | 1 |
| 91801 | 101 | 59 | 502 | 73 | 63 | 79 | 22 | 237 | 19,373 |
| 91802 | | | | | | | | | 1 |
| 91803 | 52 | 34 | 210 | 57 | 35 | 40 | 11 | 143 | 10,190 |
| 92201 | 312 | 95 | 765 | 103 | 151 | 107 | 126 | 487 | 19,969 |
| 92203 | 133 | 82 | 443 | 83 | 81 | 102 | 54 | 320 | 11,911 |
| 92210 | 47 | 41 | 292 | 47 | 80 | 85 | 11 | 223 | 4,997 |
| 92211 | 170 | 62 | 437 | 54 | 117 | 85 | 49 | 305 | 19,130 |
| 92220 | 38 | 14 | 220 | 32 | 27 | 28 | 39 | 126 | 11,516 |
| 92223 | 236 | 336 | 978 | 180 | 179 | 256 | 126 | 741 | 19,128 |
| 92225 | 44 | 32 | 140 | 10 | 11 | 34 | 14 | 69 | 5,275 |
| 92227 | 23 | 27 | 140 | 19 | 27 | 31 | 13 | 90 | 7,115 |
| 92230 | 9 | 1 | 27 | 2 | 3 | 14 | 3 | 22 | 919 |
| 92231 | 41 | 16 | 140 | 13 | 25 | 21 | 1 | 60 | 9,102 |
| 92233 | 8 | 1 | 24 | 1 | 5 | 3 | | 9 | 946 |
| 92234 | 160 | 102 | 504 | 62 | 117 | 231 | 79 | 489 | 18,225 |
| 92236 | 31 | 47 | 173 | 35 | 46 | 32 | 31 | 144 | 9,100 |
| 92239 | 1 | | 2 | 2 | | | 1 | 3 | 207 |
| 92240 | 79 | 39 | 317 | 51 | 77 | 72 | 15 | 215 | 12,162 |
| 92241 | 7 | 116 | 242 | 19 | 5 | 9 | 2 | 35 | 1,892 |
| 92243 | 35 | 26 | 258 | 25 | 28 | 42 | 18 | 113 | 10,669 |
| 92249 | 5 | 1 | 9 | 2 | | 3 | 3 | 8 | 1,688 |
| 92250 | 3 | 2 | 18 | 6 | 3 | 6 | | 15 | 1,302 |
| 92251 | 174 | 28 | 317 | 48 | 30 | 72 | 15 | 165 | 5,708 |
| 92252 | 5 | 3 | 23 | 80 | 16 | 12 | 13 | 121 | 1,976 |
| 92253 | 186 | 114 | 1,353 | 127 | 201 | 158 | 84 | 570 | 19,393 |
| 92254 | 4 | 1 | 81 | 2 | 3 | 1 | 4 | 10 | 1,511 |
| 92256 | 56 | 20 | 92 | 4 | 4 | 1 | 1 | 10 | 795 |
| 92257 | 1 | 2 | 9 | 1 | 1 | | | 2 | 367 |

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 Supplemental Testimony
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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2012 | | 2013 | | | | 2013 Total | 2014 |
|------------------------|--------------------|------------|------|-------|-------|-------|------------|-------|
| | Qrtr/Year 10-12 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | |
| 92258 | | | | 170 | 3 | 4 | 177 | |
| 92260 | | | 156 | 301 | 6,387 | 8,998 | 15,842 | 184 |
| 92261 | | | | 1 | | | 1 | |
| 92262 | 1 | 1 | 220 | 4,154 | 8,145 | 402 | 12,921 | 110 |
| 92264 | | | 250 | 36 | 9,978 | 316 | 10,580 | 127 |
| 92267 | | | | 1 | | | 1 | |
| 92270 | | | 336 | 30 | 932 | 9,407 | 10,705 | 206 |
| 92272 | | | | | | 1 | 1 | |
| 92273 | | | | 465 | 1 | 1 | 467 | 1 |
| 92274 | | | | 1 | 332 | 13 | 346 | 2 |
| 92275 | | | | 1 | | | 1 | |
| 92276 | | | 1 | 6 | 3 | 3,074 | 3,084 | 23 |
| 92277 | | | | 23 | 12 | 5,378 | 5,413 | 34 |
| 92281 | | | | 624 | 1 | 3 | 628 | 1 |
| 92282 | | | | | | | | 1 |
| 92284 | | | 3 | 22 | 25 | 6,334 | 6,384 | 57 |
| 92301 | | | | | 1 | | 1 | |
| 92308 | | | | | | 1 | 1 | |
| 92313 | | | 1 | 4 | 8 | 10 | 23 | 4 |
| 92316 | | | 1 | | 1 | 4 | 6 | 7 |
| 92317 | | | | | | 1 | 1 | |
| 92318 | | | | | | | | |
| 92320 | | | 1 | 20 | 11 | 55 | 87 | 2,261 |
| 92321 | | | | | | | | 1 |
| 92322 | | | | | | | | 1 |
| 92323 | | | | | | | | |
| 92324 | | | 3 | 14 | 29 | 10 | 56 | 31 |
| 92325 | | | | 1 | 5 | 2 | 8 | 14 |
| 92327 | | | | | | | | |
| 92335 | | | 3 | 10 | 4 | 29 | 46 | 40 |
| 92336 | | | 17 | 13 | 69 | 50 | 149 | 51 |
| 92337 | 1 | 1 | | 1 | 3 | 2 | 6 | 6 |
| 92340 | | | | | | 2 | 2 | |
| 92341 | | | | | 1 | 1 | 2 | 2 |
| 92344 | | | | | | | | |
| 92345 | | | | | | | | |
| 92346 | | | 11 | 19 | 21 | 21 | 72 | 25 |
| 92350 | | | | | | | | |
| 92352 | | | | 2 | 22 | 19 | 43 | 10 |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2014 | | | 2014 Total | 2015 | | | | |
|------------------------|------|-----|-------|------------|------|-------|--------|-------|---|
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | |
| 92258 | | | 1 | 1 | 2 | 3 | 1 | 1 | 1 |
| 92260 | 152 | 190 | 333 | 859 | 503 | 472 | 126 | 69 | |
| 92261 | | | | | | | | | |
| 92262 | 88 | 92 | 182 | 472 | 88 | 121 | 80 | 68 | |
| 92264 | 115 | 109 | 116 | 467 | 61 | 199 | 76 | 32 | |
| 92267 | | | | | | | | | |
| 92270 | 116 | 114 | 182 | 618 | 55 | 54 | 42 | 52 | |
| 92272 | | | | | | | | | |
| 92273 | | | 1 | 2 | | | | | |
| 92274 | 2 | | 6 | 10 | 3 | | 3 | 2 | |
| 92275 | | | | | | | | | |
| 92276 | 9 | 5 | 15 | 52 | 14 | 14 | 3 | 5 | |
| 92277 | 15 | 2 | 17 | 68 | 10 | 10 | 15 | 6 | |
| 92281 | | 2 | 2 | 5 | | 1 | | 1 | |
| 92282 | | | | 1 | | | | | |
| 92284 | 52 | 20 | 26 | 155 | 25 | 15 | 26 | 20 | |
| 92301 | | 2 | | 2 | 2 | | | 2 | |
| 92308 | | 1 | 1 | 2 | | 2 | 2 | | |
| 92313 | 12 | 5 | 3 | 24 | 11 | 5 | 23 | 11 | |
| 92316 | 17 | 6 | 26 | 56 | 42 | 4,247 | 375 | 75 | |
| 92317 | | | 1 | 1 | | | 2 | | |
| 92318 | | | | | 2 | | | | |
| 92320 | 23 | 47 | 19 | 2,350 | 26 | 34 | 32 | 10 | |
| 92321 | | | | 1 | | 1 | | 1 | |
| 92322 | 2 | 2 | 2 | 7 | 1 | | 1 | 1 | |
| 92323 | | | | | | | | | |
| 92324 | 32 | 89 | 38 | 190 | 37 | 39 | 39 | 72 | |
| 92325 | 12 | 9 | 20 | 55 | 8 | 10 | 18 | 16 | |
| 92327 | | | | | | | | | |
| 92335 | 51 | 28 | 97 | 216 | 94 | 6,411 | 13,436 | 132 | |
| 92336 | 48 | 59 | 147 | 305 | 112 | 7,615 | 14,887 | 232 | |
| 92337 | 5 | 14 | 14 | 39 | 14 | 8,961 | 42 | 29 | |
| 92340 | | 1 | | 1 | | | | | |
| 92341 | | | 1 | 3 | 2 | 1 | 3 | 8 | |
| 92344 | | 1 | | 1 | | | | | |
| 92345 | | | | | | | | | |
| 92346 | 21 | 33 | 38 | 117 | 42 | 36 | 40 | 39 | |
| 92350 | | | | | 1 | | | | |
| 92352 | 13 | 11 | 19 | 53 | 17 | 15 | 17 | 20 | |

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | | |
|------------------------|------------|------|-----|--------|-------|------------|--------|-------|-------|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | |
| 92258 | 6 | | 2 | | 1 | 1 | 4 | 2 | 1 |
| 92260 | 1,170 | | 82 | 73 | 103 | 311 | 569 | 319 | 69 |
| 92261 | | | | | | | | | |
| 92262 | 357 | | 104 | 136 | 113 | 279 | 632 | 266 | 158 |
| 92264 | 368 | | 90 | 75 | 93 | 184 | 442 | 255 | 64 |
| 92267 | | | | | | | | | |
| 92270 | 203 | | 56 | 85 | 99 | 239 | 479 | 266 | 87 |
| 92272 | | | | | | | | | |
| 92273 | | | 1 | 3 | 3 | 7 | 14 | 4 | |
| 92274 | 8 | | 1 | 2 | 2 | 5 | 10 | 2 | 13 |
| 92275 | | | | | | | | | |
| 92276 | 36 | | 10 | 13 | 7 | 27 | 57 | 19 | 9 |
| 92277 | 41 | | 19 | 10 | 22 | 37 | 88 | 21 | 8 |
| 92281 | 2 | | | 1 | 1 | 9 | 11 | 7 | |
| 92282 | | | | | | | | | |
| 92284 | 86 | | 23 | 58 | 31 | 66 | 178 | 30 | 69 |
| 92301 | 4 | | 1 | 35 | | 1 | 37 | 4 | 3 |
| 92308 | 4 | | 2 | 300 | 10 | 2 | 314 | 1 | |
| 92313 | 50 | | 14 | 15 | 23 | 410 | 462 | 2,069 | 1,479 |
| 92316 | 4,739 | | 42 | 129 | 29 | 81 | 281 | 471 | 1,181 |
| 92317 | 2 | | | 3 | 360 | 4 | 367 | 2 | 1 |
| 92318 | 2 | | | 1 | 1 | 53 | 55 | 2 | 5 |
| 92320 | 102 | | 35 | 15 | 42 | 180 | 272 | 44 | 128 |
| 92321 | 2 | | | 2 | 187 | | 189 | 1 | 1 |
| 92322 | 3 | | 2 | 2 | 132 | 402 | 538 | | 2 |
| 92323 | | | | | | 1 | 1 | | |
| 92324 | 187 | | 41 | 44 | 58 | 8,300 | 8,443 | 1,650 | 4,484 |
| 92325 | 52 | | 12 | 31 | 3,854 | 1,952 | 5,849 | 18 | 15 |
| 92327 | | | | 1 | | | 1 | | |
| 92335 | 20,073 | | 97 | 180 | 280 | 179 | 736 | 184 | 95 |
| 92336 | 22,846 | | 282 | 210 | 232 | 203 | 927 | 305 | 361 |
| 92337 | 9,046 | | 17 | 21 | 76 | 47 | 161 | 51 | 54 |
| 92340 | | | | | 1 | | 1 | | |
| 92341 | 14 | | 1 | 918 | 41 | 8 | 968 | 4 | 6 |
| 92344 | | | | | | | | | |
| 92345 | | | | | 1 | | 1 | | |
| 92346 | 157 | | 45 | 11,239 | 3,702 | 778 | 15,764 | 455 | 238 |
| 92350 | 1 | | | | 2 | 5 | 7 | 3 | |
| 92352 | 69 | | 20 | 34 | 8,262 | 137 | 8,453 | 32 | 53 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 92258 | | 1 | 4 | 2 | 3 | 3 | 2 | 10 | 203 |
| 92260 | 161 | 91 | 640 | 92 | 156 | 158 | 53 | 459 | 19,539 |
| 92261 | | | | | | | | | 1 |
| 92262 | 128 | 122 | 674 | 135 | 141 | 133 | 49 | 458 | 15,515 |
| 92264 | 175 | 71 | 565 | 65 | 122 | 103 | 44 | 334 | 12,756 |
| 92267 | | | | | | | | | 1 |
| 92270 | 367 | 135 | 855 | 80 | 84 | 229 | 81 | 474 | 13,334 |
| 92272 | | | | | | | | | 1 |
| 92273 | 3 | 1 | 8 | | 1 | 1 | 1 | 3 | 494 |
| 92274 | 3 | 6 | 24 | 2 | 1 | 3 | 3 | 9 | 407 |
| 92275 | | | | | | | | | 1 |
| 92276 | 14 | 10 | 52 | 12 | 12 | 12 | 12 | 48 | 3,329 |
| 92277 | 22 | 58 | 109 | 39 | 41 | 22 | 31 | 133 | 5,852 |
| 92281 | 6 | | 13 | 1 | | | 2 | 3 | 662 |
| 92282 | | | | | | | | | 1 |
| 92284 | 19 | 20 | 138 | 42 | 38 | 34 | 11 | 125 | 7,066 |
| 92301 | 3 | 2 | 12 | 2 | 4 | 1 | 1 | 8 | 64 |
| 92308 | 3 | | 4 | | | 3 | | 3 | 328 |
| 92313 | 39 | 35 | 3,622 | 31 | 21 | 18 | 5 | 75 | 4,256 |
| 92316 | 104 | 43 | 1,799 | 40 | 43 | 22 | 14 | 119 | 7,000 |
| 92317 | 3 | 1 | 7 | 1 | 2 | 4 | | 7 | 385 |
| 92318 | | | 7 | 1 | | 2 | 12 | 15 | 79 |
| 92320 | 47 | 9 | 228 | 5 | 30 | 8 | 1 | 44 | 3,083 |
| 92321 | 6 | | 8 | | 1 | 2 | | 3 | 203 |
| 92322 | 3 | 10 | 15 | 2 | 6 | 4 | | 12 | 575 |
| 92323 | | | | | | | | | 1 |
| 92324 | 92 | 132 | 6,358 | 85 | 69 | 129 | 24 | 307 | 15,541 |
| 92325 | 75 | 33 | 141 | 28 | 37 | 43 | 7 | 115 | 6,220 |
| 92327 | | | | | | | | | 1 |
| 92335 | 65 | 103 | 447 | 169 | 115 | 76 | 26 | 386 | 21,904 |
| 92336 | 264 | 188 | 1,118 | 163 | 195 | 98 | 63 | 519 | 25,864 |
| 92337 | 17 | 12 | 134 | 61 | 26 | 23 | 11 | 121 | 9,508 |
| 92340 | | | | | | | | | 4 |
| 92341 | 16 | 1 | 27 | 2 | 5 | 6 | 3 | 16 | 1,030 |
| 92344 | | | | | | | | | 1 |
| 92345 | | | | | | | | | 1 |
| 92346 | 78 | 86 | 857 | 71 | 87 | 94 | 17 | 269 | 17,236 |
| 92350 | | | 3 | | | | 1 | 1 | 12 |
| 92352 | 99 | 28 | 212 | 48 | 40 | 55 | 11 | 154 | 8,984 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 | |
|------------|-----------|------------|------|-----|-----|-------|------------|------|-------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | | |
| Row Labels | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | |
| 92354 | | | | | 2 | 11 | 8 | 21 | 17 |
| 92357 | | | | | | | | | |
| 92359 | | | 1 | 2 | 2 | 3 | 8 | 8 | 3 |
| 92366 | | | | | | | | | |
| 92371 | | | | 4 | 2 | | 6 | 6 | 1 |
| 92372 | | | 1 | 2 | 1 | | 4 | 4 | 2 |
| 92373 | | | 4 | 8 | 13 | 27 | 52 | 52 | 24 |
| 92374 | | | 8 | 10 | 19 | 17 | 54 | 54 | 22 |
| 92375 | | | | | | | | | |
| 92376 | | | 1 | 13 | 11 | 13 | 38 | 38 | 19 |
| 92377 | | | | 2 | 1 | 25 | 28 | 28 | 6 |
| 92378 | | | | | 1 | | 1 | 1 | 1 |
| 92382 | | | | 1 | 6 | | 7 | 7 | 3 |
| 92383 | | | | | | | | | 1 |
| 92385 | | | | | 2 | | 2 | 2 | |
| 92386 | | | | | | | | | |
| 92391 | | | | 1 | 2 | 4 | 7 | 7 | 3 |
| 92392 | | | | | | | | | |
| 92397 | | | 11 | 12 | 12 | 10 | 45 | 45 | 20 |
| 92399 | | | 8 | 44 | 32 | 24 | 108 | 108 | 4,998 |
| 92401 | | | 1 | 2 | 4 | 1 | 8 | 8 | 2 |
| 92404 | | | 13 | 19 | 31 | 28 | 91 | 91 | 23 |
| 92405 | | | 1 | 9 | 11 | 15 | 36 | 36 | 16 |
| 92407 | | | 11 | 46 | 68 | 61 | 186 | 186 | 70 |
| 92408 | | | 2 | 6 | 9 | 5 | 22 | 22 | 6 |
| 92410 | | | 3 | 16 | 25 | 29 | 73 | 73 | 106 |
| 92411 | | | 7 | 12 | 4 | 6 | 29 | 29 | 17 |
| 92414 | | | | | | | | | |
| 92415 | | | | | | | | | |
| 92424 | | | | | | | | | |
| 92501 | | | 17 | 9 | 40 | 11 | 77 | 77 | 8 |
| 92503 | | | 25 | 78 | 66 | 96 | 265 | 265 | 66 |
| 92504 | | | 16 | 40 | 74 | 51 | 181 | 181 | 25 |
| 92505 | | | 1 | 20 | 178 | 16 | 215 | 215 | 34 |
| 92506 | | | 21 | 61 | 230 | 105 | 417 | 417 | 29 |
| 92507 | | | 16 | 13 | 127 | 29 | 185 | 185 | 19 |
| 92508 | | | 8 | 23 | 52 | 51 | 134 | 134 | 25 |
| 92509 | 1 | 1 | 17 | 55 | 72 | 29 | 173 | 173 | 26 |
| 92518 | | | | 1 | | 329 | 330 | 330 | 4 |

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 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2014 | | | 2014 Total | 2015 | | | |
|------------------------|-------|--------|--------|------------|-------|-------|-------|-------|
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 92354 | 15 | 15 | 14 | 61 | 23 | 13 | 34 | 14 |
| 92357 | | | | | | | | |
| 92359 | 13 | 10 | 3 | 29 | 4 | 3 | 7 | 4 |
| 92366 | | | | | | | | |
| 92371 | 1 | 4 | 2 | 8 | 4 | 1 | 4 | 1 |
| 92372 | 1 | 4 | 3 | 10 | 2 | 1 | | 1 |
| 92373 | 45 | 32 | 33 | 134 | 38 | 26 | 111 | 45 |
| 92374 | 30 | 37 | 61 | 150 | 39 | 160 | 194 | 118 |
| 92375 | | | | | | | | |
| 92376 | 54 | 32 | 77 | 182 | 93 | 55 | 1,221 | 77 |
| 92377 | 8 | 11 | 20 | 45 | 10 | 11 | 2,621 | 22 |
| 92378 | | 2 | | 3 | | | 3 | 2 |
| 92382 | 2 | 8 | 7 | 20 | 4 | 6 | 8 | 7 |
| 92383 | | | | 1 | | | | |
| 92385 | | 1 | 1 | 2 | 1 | 1 | | |
| 92386 | | | | | | | | |
| 92391 | 1 | 1 | 6 | 11 | | 3 | 5 | 4 |
| 92392 | | | | | | | | |
| 92397 | 32 | 13 | 15 | 80 | 15 | 7 | 15 | 9 |
| 92399 | 8,376 | 164 | 782 | 14,320 | 57 | 82 | 64 | 42 |
| 92401 | 3 | 1 | 4 | 10 | 3 | 1 | 3 | 6 |
| 92404 | 31 | 28 | 44 | 126 | 40 | 31 | 32 | 51 |
| 92405 | 14 | 15 | 25 | 70 | 17 | 17 | 29 | 24 |
| 92407 | 71 | 100 | 86 | 327 | 78 | 82 | 237 | 119 |
| 92408 | 6 | 12 | 15 | 39 | 15 | 18 | 13 | 13 |
| 92410 | 35 | 37 | 46 | 224 | 28 | 33 | 37 | 36 |
| 92411 | 19 | 12 | 25 | 73 | 21 | 13 | 18 | 18 |
| 92414 | | | | | 1 | | | |
| 92415 | 1 | | 1 | 2 | 3 | 1 | | |
| 92424 | | | | | | | | |
| 92501 | 15 | 14 | 5,218 | 5,255 | 1,194 | 143 | 121 | 48 |
| 92503 | 86 | 13,501 | 807 | 14,460 | 130 | 125 | 1,035 | 6,536 |
| 92504 | 32 | 11,793 | 2,003 | 13,853 | 360 | 99 | 165 | 77 |
| 92505 | 20 | 12,231 | 192 | 12,477 | 187 | 105 | 51 | 64 |
| 92506 | 26 | 6,021 | 6,469 | 12,545 | 1,565 | 150 | 356 | 77 |
| 92507 | 24 | 2,136 | 10,351 | 12,530 | 3,213 | 165 | 250 | 97 |
| 92508 | 22 | 1,767 | 807 | 2,621 | 6,429 | 87 | 127 | 40 |
| 92509 | 7,226 | 3,844 | 123 | 11,219 | 83 | 5,502 | 216 | 127 |
| 92518 | | | | 4 | 5 | | | |

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 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|-------|--------|--------|-------|------------|-------|-------|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 92354 | 84 | 13 | 10 | 26 | 5,757 | 5,806 | 994 | 146 |
| 92357 | | | | | 1 | 1 | | |
| 92359 | 18 | 7 | 2,392 | 62 | 32 | 2,493 | 35 | 13 |
| 92366 | | | | | | | | |
| 92371 | 10 | 2 | 404 | 4 | 5 | 415 | 7 | 5 |
| 92372 | 4 | | 307 | | 5 | 312 | 1 | 1 |
| 92373 | 220 | 2,538 | 6,397 | 207 | 2,883 | 12,025 | 1,219 | 113 |
| 92374 | 511 | 150 | 11,419 | 231 | 417 | 12,217 | 326 | 188 |
| 92375 | | | 1 | | | 1 | | |
| 92376 | 1,446 | 63 | 68 | 255 | 187 | 573 | 8,993 | 7,750 |
| 92377 | 2,664 | 11 | 23 | 20 | 25 | 79 | 2,365 | 85 |
| 92378 | 5 | | 1 | 282 | 1 | 284 | 1 | |
| 92382 | 25 | 4 | 2,545 | 792 | 20 | 3,361 | 10 | 24 |
| 92383 | | | | | | | 1 | |
| 92385 | 2 | | 1 | 149 | | 150 | 1 | 1 |
| 92386 | | | | 1 | | 1 | | |
| 92391 | 12 | | 5 | 1,723 | 47 | 1,775 | 7 | 1 |
| 92392 | | | | 2 | | 2 | | |
| 92397 | 46 | 2 | 2,431 | 13 | 23 | 2,469 | 16 | 20 |
| 92399 | 245 | 51 | 55 | 115 | 491 | 712 | 305 | 192 |
| 92401 | 13 | 1 | 3 | 521 | 95 | 620 | 14 | 12 |
| 92404 | 154 | 49 | 9,473 | 5,112 | 484 | 15,118 | 870 | 189 |
| 92405 | 87 | 37 | 2,526 | 5,357 | 271 | 8,191 | 386 | 102 |
| 92407 | 516 | 130 | 121 | 14,687 | 413 | 15,351 | 649 | 303 |
| 92408 | 59 | 26 | 18 | 144 | 2,988 | 3,176 | 461 | 53 |
| 92410 | 134 | 62 | 186 | 4,356 | 3,875 | 8,479 | 1,250 | 1,917 |
| 92411 | 70 | 23 | 38 | 5,844 | 184 | 6,089 | 254 | 51 |
| 92414 | 1 | | | | | | | |
| 92415 | 4 | | 1 | 2 | 15 | 18 | 3 | 2 |
| 92424 | | 1 | | | | 1 | | |
| 92501 | 1,506 | 25 | 35 | 27 | 48 | 135 | 45 | 36 |
| 92503 | 7,826 | 106 | 143 | 132 | 190 | 571 | 226 | 273 |
| 92504 | 701 | 71 | 114 | 82 | 112 | 379 | 95 | 127 |
| 92505 | 407 | 41 | 50 | 61 | 86 | 238 | 60 | 85 |
| 92506 | 2,148 | 73 | 53 | 140 | 132 | 398 | 118 | 154 |
| 92507 | 3,725 | 105 | 149 | 205 | 178 | 637 | 120 | 127 |
| 92508 | 6,683 | 41 | 28 | 62 | 161 | 292 | 78 | 135 |
| 92509 | 5,928 | 150 | 116 | 97 | 226 | 589 | 179 | 209 |
| 92518 | 5 | | | | 4 | 4 | 1 | 1 |

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 92354 | 114 | 90 | 1,344 | 26 | 27 | 23 | 8 | 84 | 7,400 |
| 92357 | | 2 | 2 | | | | | | 3 |
| 92359 | 15 | 12 | 75 | 6 | 11 | 10 | | 27 | 2,650 |
| 92366 | | | | | | | 1 | 1 | 1 |
| 92371 | 8 | 1 | 21 | 1 | 5 | 5 | | 11 | 471 |
| 92372 | | | 2 | | | 1 | | 1 | 333 |
| 92373 | 54 | 47 | 1,433 | 49 | 75 | 75 | 31 | 230 | 14,094 |
| 92374 | 68 | 66 | 648 | 62 | 95 | 105 | 39 | 301 | 13,881 |
| 92375 | | | | | | | | | 1 |
| 92376 | 381 | 311 | 17,435 | 114 | 109 | 95 | 30 | 348 | 20,022 |
| 92377 | 36 | 46 | 2,532 | 32 | 33 | 34 | 4 | 103 | 5,451 |
| 92378 | 3 | | 4 | | 1 | 1 | 4 | 6 | 303 |
| 92382 | 37 | 10 | 81 | 14 | 21 | 22 | 3 | 60 | 3,554 |
| 92383 | | | 1 | | | | | | 2 |
| 92385 | | 3 | 5 | 1 | | 1 | | 2 | 163 |
| 92386 | | | | | | | | | 1 |
| 92391 | 16 | 3 | 27 | 10 | 6 | 7 | 5 | 28 | 1,860 |
| 92392 | | | | | | | | | 2 |
| 92397 | 8 | 5 | 49 | 12 | 21 | 11 | 4 | 48 | 2,737 |
| 92399 | 158 | 73 | 728 | 245 | 380 | 212 | 46 | 883 | 16,996 |
| 92401 | 10 | 10 | 46 | 7 | 14 | 23 | 6 | 50 | 747 |
| 92404 | 63 | 59 | 1,181 | 114 | 85 | 138 | 13 | 350 | 17,020 |
| 92405 | 43 | 48 | 579 | 88 | 54 | 70 | 13 | 225 | 9,188 |
| 92407 | 184 | 152 | 1,288 | 274 | 158 | 170 | 68 | 670 | 18,338 |
| 92408 | 43 | 23 | 580 | 35 | 50 | 37 | 12 | 134 | 4,010 |
| 92410 | 89 | 85 | 3,341 | 120 | 78 | 120 | 18 | 336 | 12,587 |
| 92411 | 28 | 41 | 374 | 110 | 39 | 30 | 10 | 189 | 6,824 |
| 92414 | | | | | | | | | 1 |
| 92415 | | 3 | 8 | | | 2 | 1 | 3 | 35 |
| 92424 | | | | | | | | | 1 |
| 92501 | 37 | 34 | 152 | 40 | 42 | 31 | 25 | 138 | 7,263 |
| 92503 | 121 | 200 | 820 | 93 | 111 | 113 | 35 | 352 | 24,294 |
| 92504 | 57 | 83 | 362 | 54 | 54 | 90 | 28 | 226 | 15,702 |
| 92505 | 57 | 50 | 252 | 107 | 34 | 63 | 16 | 220 | 13,809 |
| 92506 | 48 | 75 | 395 | 46 | 44 | 87 | 69 | 246 | 16,149 |
| 92507 | 88 | 128 | 463 | 91 | 143 | 136 | 85 | 455 | 17,995 |
| 92508 | 50 | 59 | 322 | 58 | 51 | 74 | 16 | 199 | 10,251 |
| 92509 | 157 | 81 | 626 | 88 | 204 | 95 | 44 | 431 | 18,967 |
| 92518 | 2 | 2 | 6 | | 2 | 2 | 1 | 5 | 354 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 |
|------------|-----------|------------|------|-----|-----|-------|------------|--------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | |
| Row Labels | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 |
| 92522 | | | | | | | | |
| 92530 | | | 10 | 54 | 44 | 61 | 169 | 72 |
| 92532 | | | 2 | 28 | 98 | 154 | 282 | 1,760 |
| 92543 | | | 4 | 54 | 34 | 519 | 611 | 3,445 |
| 92544 | | | 2 | 45 | 20 | 26 | 93 | 4,071 |
| 92545 | | | 3 | 46 | 41 | 4,174 | 4,264 | 9,062 |
| 92548 | | | | 7 | 4 | 1 | 12 | 1,809 |
| 92551 | | | 1 | 6 | 52 | 8 | 67 | 5 |
| 92553 | | | 7 | 43 | 42 | 24 | 116 | 20 |
| 92555 | | | 1 | 18 | 23 | 31 | 73 | 27 |
| 92557 | | | | 51 | 106 | 18 | 175 | 21 |
| 92562 | | | 31 | 6 | 29 | 82 | 148 | 5,926 |
| 92563 | | | 42 | 77 | 98 | 104 | 321 | 17,524 |
| 92567 | | | | 8 | 4 | 2 | 14 | 1,892 |
| 92570 | | | 5 | 50 | 33 | 5,641 | 5,729 | 2,814 |
| 92571 | | | | 15 | 11 | 8,098 | 8,124 | 1,204 |
| 92577 | | | | | | | | |
| 92581 | | | | | | | | 1 |
| 92582 | | | 1 | 12 | 14 | 4,075 | 4,102 | 72 |
| 92583 | | | 1 | 23 | 11 | 334 | 369 | 7,104 |
| 92584 | | | 9 | 65 | 74 | 2,191 | 2,339 | 9,553 |
| 92585 | | | 3 | 30 | 46 | 931 | 1,010 | 4,923 |
| 92586 | | | 1 | 29 | 9 | 3,989 | 4,028 | 3,701 |
| 92587 | | | | | | 367 | 367 | 78 |
| 92589 | | | | | | | | 1 |
| 92590 | | | 1 | | | 3 | 4 | 1,360 |
| 92591 | | | 1 | 14 | 31 | 57 | 103 | 7,369 |
| 92592 | | | 39 | 62 | 98 | 105 | 304 | 9,024 |
| 92595 | | | 7 | 30 | 43 | 37 | 117 | 365 |
| 92596 | | | | 4 | 42 | 27 | 73 | 5,459 |
| 92599 | | | | | | | | |
| 92602 | | | | | 4 | 2 | 6 | 4 |
| 92603 | | | 1 | 6 | 11 | 18 | 36 | 23 |
| 92604 | | | 6 | 24 | 40 | 26 | 96 | 42 |
| 92606 | | | 4 | 13 | 10 | 5 | 32 | 9 |
| 92607 | | | | | | | | |
| 92610 | | | 2 | 7 | 3 | 14 | 26 | 18 |
| 92612 | | | | 28 | 36 | 78 | 142 | 37 |
| 92614 | | | 7 | 24 | 12 | 22 | 65 | 18 |

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 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | |
|------------|--------|-------|-------|------------|-------|-------|-------|-------|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 92522 | | | | | | 1 | | |
| 92530 | 13,402 | 366 | 183 | 14,023 | 73 | 138 | 113 | 821 |
| 92532 | 4,072 | 131 | 120 | 6,083 | 69 | 101 | 74 | 93 |
| 92543 | 6,617 | 302 | 43 | 10,407 | 52 | 64 | 36 | 34 |
| 92544 | 8,605 | 181 | 55 | 12,912 | 34 | 274 | 150 | 27 |
| 92545 | 66 | 105 | 115 | 9,348 | 42 | 38 | 51 | 41 |
| 92548 | 8 | 10 | 14 | 1,841 | 5 | 6 | 14 | 3 |
| 92551 | 7 | 16 | 3,704 | 3,732 | 4,108 | 44 | 34 | 14 |
| 92553 | 5,611 | 9,363 | 90 | 15,084 | 4,177 | 103 | 99 | 48 |
| 92555 | 7,515 | 750 | 665 | 8,957 | 1,340 | 48 | 43 | 72 |
| 92557 | 1,504 | 8,660 | 46 | 10,231 | 3,259 | 399 | 95 | 34 |
| 92562 | 11,294 | 112 | 94 | 17,426 | 57 | 74 | 48 | 46 |
| 92563 | 269 | 159 | 142 | 18,094 | 103 | 96 | 117 | 224 |
| 92567 | 3 | 13 | 45 | 1,953 | 1 | 5 | 8 | 4 |
| 92570 | 60 | 182 | 262 | 3,318 | 682 | 73 | 76 | 52 |
| 92571 | 28 | 29 | 2,266 | 3,527 | 687 | 48 | 50 | 134 |
| 92577 | | | | | | | | |
| 92581 | | | | 1 | | | | |
| 92582 | 93 | 28 | 20 | 213 | 17 | 6 | 30 | 45 |
| 92583 | 884 | 66 | 22 | 8,076 | 12 | 38 | 30 | 18 |
| 92584 | 114 | 121 | 118 | 9,906 | 90 | 99 | 117 | 140 |
| 92585 | 25 | 56 | 62 | 5,066 | 27 | 30 | 51 | 51 |
| 92586 | 67 | 52 | 42 | 3,862 | 17 | 13 | 6 | 6 |
| 92587 | 2 | 1 | 1 | 82 | 1 | | 3 | 3 |
| 92589 | | | | 1 | | | | |
| 92590 | 49 | 55 | 11 | 1,475 | 6 | 7 | 6 | 3 |
| 92591 | 4,728 | 124 | 133 | 12,354 | 53 | 77 | 69 | 57 |
| 92592 | 11,257 | 191 | 176 | 20,648 | 80 | 110 | 98 | 85 |
| 92595 | 8,401 | 120 | 101 | 8,987 | 34 | 54 | 64 | 55 |
| 92596 | 493 | 90 | 98 | 6,140 | 44 | 79 | 94 | 53 |
| 92599 | | | | | | | | |
| 92602 | 168 | 96 | 80 | 348 | 172 | 180 | 190 | 99 |
| 92603 | 166 | 115 | 12 | 316 | 20 | 8 | 2,174 | 112 |
| 92604 | 34 | 25 | 19 | 120 | 18 | 27 | 21 | 499 |
| 92606 | 10 | 14 | 9 | 42 | 14 | 12 | 19 | 7 |
| 92607 | | | | | 2 | | | |
| 92610 | 8 | 10 | 3 | 39 | 36 | 3,582 | 47 | 57 |
| 92612 | 78 | 505 | 378 | 998 | 313 | 30 | 219 | 443 |
| 92614 | 18 | 17 | 24 | 77 | 14 | 14 | 23 | 38 |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|-------|-------|-------|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 92522 | 1 | | | | | | | |
| 92530 | 1,145 | 113 | 85 | 130 | 141 | 469 | 102 | 71 |
| 92532 | 337 | 64 | 53 | 46 | 178 | 341 | 99 | 129 |
| 92543 | 186 | 37 | 63 | 73 | 160 | 333 | 224 | 241 |
| 92544 | 485 | 30 | 48 | 77 | 114 | 269 | 123 | 85 |
| 92545 | 172 | 49 | 40 | 48 | 92 | 229 | 81 | 41 |
| 92548 | 28 | 4 | 5 | 9 | 14 | 32 | 20 | 7 |
| 92551 | 4,200 | 14 | 13 | 20 | 29 | 76 | 71 | 24 |
| 92553 | 4,427 | 68 | 74 | 56 | 114 | 312 | 132 | 57 |
| 92555 | 1,503 | 24 | 43 | 66 | 88 | 221 | 82 | 68 |
| 92557 | 3,787 | 24 | 29 | 52 | 47 | 152 | 59 | 88 |
| 92562 | 225 | 53 | 51 | 104 | 110 | 318 | 112 | 271 |
| 92563 | 540 | 279 | 317 | 209 | 239 | 1,044 | 183 | 314 |
| 92567 | 18 | 9 | 11 | 9 | 10 | 39 | 11 | 10 |
| 92570 | 883 | 54 | 63 | 50 | 121 | 288 | 65 | 50 |
| 92571 | 919 | 44 | 53 | 75 | 115 | 287 | 67 | 52 |
| 92577 | | | | | | | | |
| 92581 | | | | | | | | |
| 92582 | 98 | 25 | 18 | 45 | 65 | 153 | 67 | 66 |
| 92583 | 98 | 26 | 33 | 28 | 94 | 181 | 42 | 51 |
| 92584 | 446 | 88 | 109 | 166 | 191 | 554 | 116 | 211 |
| 92585 | 159 | 38 | 64 | 69 | 81 | 252 | 72 | 45 |
| 92586 | 42 | 8 | 20 | 26 | 56 | 110 | 28 | 40 |
| 92587 | 7 | 1 | 1 | 1 | 4 | 7 | 3 | 2 |
| 92589 | | | | | | | | |
| 92590 | 22 | 5 | 8 | 25 | 39 | 77 | 23 | 17 |
| 92591 | 256 | 53 | 56 | 80 | 78 | 267 | 84 | 135 |
| 92592 | 373 | 62 | 83 | 137 | 102 | 384 | 120 | 199 |
| 92595 | 207 | 47 | 65 | 64 | 97 | 273 | 88 | 65 |
| 92596 | 270 | 44 | 76 | 126 | 149 | 395 | 102 | 193 |
| 92599 | | 1 | | | | 1 | | |
| 92602 | 641 | 115 | 126 | 80 | 6,154 | 6,475 | 758 | 577 |
| 92603 | 2,314 | 253 | 4,473 | 72 | 37 | 4,835 | 44 | 97 |
| 92604 | 565 | 28 | 7,709 | 117 | 77 | 7,931 | 99 | 72 |
| 92606 | 52 | 81 | 4,307 | 1,701 | 1,473 | 7,562 | 231 | 85 |
| 92607 | 2 | | 2 | | | 2 | | |
| 92610 | 3,722 | 47 | 21 | 33 | 13 | 114 | 41 | 38 |
| 92612 | 1,005 | 1,980 | 4,840 | 157 | 47 | 7,024 | 43 | 42 |
| 92614 | 89 | 18 | 9,355 | 56 | 67 | 9,496 | 70 | 48 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes | | 2017 | | 2017 Total | 2018 | | | 2018 Total | Grand Total |
|------------|-----|-------|-------|------------|------|-----|-------|------------|-------------|
| Row Labels | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 92522 | | | | | | | | | 1 |
| 92530 | 176 | 171 | 520 | 165 | 169 | 145 | 44 | 523 | 16,849 |
| 92532 | 132 | 103 | 463 | 56 | 41 | 52 | 25 | 174 | 7,680 |
| 92543 | 54 | 34 | 553 | 53 | 33 | 56 | 74 | 216 | 12,306 |
| 92544 | 52 | 36 | 296 | 33 | 29 | 84 | 12 | 158 | 14,213 |
| 92545 | 47 | 31 | 200 | 33 | 50 | 62 | 60 | 205 | 14,418 |
| 92548 | 20 | 3 | 50 | 6 | 8 | 6 | 1 | 21 | 1,984 |
| 92551 | 44 | 49 | 188 | 51 | 31 | 54 | 12 | 148 | 8,411 |
| 92553 | 167 | 45 | 401 | 70 | 63 | 89 | 18 | 240 | 20,580 |
| 92555 | 30 | 48 | 228 | 66 | 93 | 129 | 30 | 318 | 11,300 |
| 92557 | 49 | 48 | 244 | 55 | 58 | 54 | 27 | 194 | 14,783 |
| 92562 | 56 | 42 | 481 | 55 | 44 | 63 | 18 | 180 | 18,778 |
| 92563 | 247 | 136 | 880 | 157 | 212 | 195 | 84 | 648 | 21,527 |
| 92567 | 12 | 5 | 38 | 4 | 6 | 14 | 3 | 27 | 2,089 |
| 92570 | 60 | 50 | 225 | 42 | 72 | 102 | 17 | 233 | 10,676 |
| 92571 | 54 | 70 | 243 | 63 | 79 | 84 | 24 | 250 | 13,350 |
| 92577 | | | | | | | 1 | 1 | 1 |
| 92581 | | | | | | 1 | | 1 | 2 |
| 92582 | 60 | 77 | 270 | 52 | 66 | 91 | 44 | 253 | 5,089 |
| 92583 | 139 | 41 | 273 | 46 | 41 | 42 | 10 | 139 | 9,136 |
| 92584 | 133 | 168 | 628 | 147 | 216 | 281 | 127 | 771 | 14,644 |
| 92585 | 67 | 83 | 267 | 57 | 60 | 71 | 24 | 212 | 6,966 |
| 92586 | 46 | 36 | 150 | 25 | 34 | 43 | 14 | 116 | 8,308 |
| 92587 | 2 | | 7 | 5 | 2 | 2 | | 9 | 479 |
| 92589 | | | | | | | | | 1 |
| 92590 | 31 | 4 | 75 | 8 | 13 | 7 | 1 | 29 | 1,682 |
| 92591 | 70 | 36 | 325 | 30 | 46 | 52 | 11 | 139 | 13,444 |
| 92592 | 230 | 83 | 632 | 60 | 121 | 116 | 27 | 324 | 22,665 |
| 92595 | 72 | 106 | 331 | 39 | 59 | 54 | 25 | 177 | 10,092 |
| 92596 | 136 | 92 | 523 | 79 | 94 | 116 | 74 | 363 | 7,764 |
| 92599 | | | | | | | | | 1 |
| 92602 | 603 | 441 | 2,379 | 102 | 190 | 146 | 56 | 494 | 10,343 |
| 92603 | 37 | 9 | 187 | 29 | 16 | 27 | 10 | 82 | 7,770 |
| 92604 | 55 | 26 | 252 | 54 | 26 | 160 | 25 | 265 | 9,229 |
| 92606 | 40 | 15 | 371 | 46 | 22 | 15 | 20 | 103 | 8,162 |
| 92607 | | | | | | | | | 4 |
| 92610 | 15 | 16 | 110 | 10 | 46 | 34 | 27 | 117 | 4,128 |
| 92612 | 42 | 18 | 145 | 65 | 46 | 350 | 43 | 504 | 9,818 |
| 92614 | 42 | 21 | 181 | 406 | 44 | 62 | 20 | 532 | 10,440 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 |
|------------|-----------|------------|------|-----|-----|-------|------------|------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | |
| Row Labels | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 |
| 92615 | | | | | | | | |
| 92617 | | | | | 2 | 1 | 1 | 4 |
| 92618 | | | 419 | 568 | 721 | 501 | 2,209 | 318 |
| 92619 | | | | | | | | |
| 92620 | | | 52 | 230 | 170 | 401 | 853 | 274 |
| 92621 | | | | | | | | |
| 92623 | | | | | | | | |
| 92624 | | | 3 | 20 | 21 | 26 | 70 | 14 |
| 92625 | | | 2 | 16 | 21 | 22 | 61 | 34 |
| 92626 | | | 15 | 61 | 21 | 25 | 122 | 36 |
| 92627 | | | 13 | 54 | 48 | 33 | 148 | 66 |
| 92628 | | | | | | | | |
| 92629 | | | 7 | 70 | 51 | 60 | 188 | 57 |
| 92630 | | | 18 | 109 | 64 | 68 | 259 | 84 |
| 92637 | | | | 2 | | 1 | 3 | |
| 92641 | | | | | | | | |
| 92644 | | | | | | | | |
| 92646 | 8 | 8 | 16 | 84 | 63 | 55 | 218 | 63 |
| 92647 | 12 | 12 | 26 | 31 | 24 | 27 | 108 | 26 |
| 92648 | 17 | 17 | 11 | 55 | 22 | 21 | 109 | 39 |
| 92649 | 8 | 8 | 14 | 33 | 25 | 27 | 99 | 44 |
| 92650 | | | | | | | | |
| 92651 | | | 16 | 66 | 99 | 89 | 270 | 72 |
| 92652 | | | | | | | | |
| 92653 | | | 7 | 60 | 40 | 33 | 140 | 56 |
| 92654 | | | | | | | | |
| 92655 | 9 | 9 | | 6 | 3 | 5 | 14 | 3 |
| 92656 | | | 27 | 57 | 41 | 37 | 162 | 39 |
| 92657 | | | 11 | 15 | 9 | 11 | 46 | 36 |
| 92659 | | | | | | | | |
| 92660 | | | 22 | 61 | 44 | 36 | 163 | 64 |
| 92661 | | | 2 | 3 | 10 | 6 | 21 | 7 |
| 92662 | | | | 11 | 2 | 9 | 22 | 3 |
| 92663 | 1 | 1 | 14 | 31 | 29 | 33 | 107 | 28 |
| 92672 | | | 8 | 91 | 82 | 83 | 264 | 117 |
| 92673 | | | 2 | 44 | 35 | 38 | 119 | 127 |
| 92674 | | | | | | | | |
| 92675 | | | 20 | 91 | 89 | 70 | 270 | 73 |
| 92676 | | | | | | | | |

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 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|------------|------|-------|--------|------------|-------|-------|-------|-------|----|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | |
| 92615 | | | | | | | | | |
| 92617 | | 1 | 35 | 5 | 41 | 3 | 2 | 44 | 18 |
| 92618 | 186 | 221 | 248 | 973 | 526 | 923 | 9,427 | 440 | |
| 92619 | | | | | | | 60 | | |
| 92620 | 416 | 8,620 | 515 | 9,825 | 260 | 1,112 | 6,282 | 234 | |
| 92621 | 1 | | | 1 | | | | | |
| 92623 | | | | | | | 1 | | |
| 92624 | 28 | 18 | 1,600 | 1,660 | 18 | 24 | 27 | 397 | |
| 92625 | 35 | 32 | 32 | 133 | 29 | 26 | 24 | 41 | |
| 92626 | 99 | 148 | 53 | 336 | 46 | 44 | 589 | 73 | |
| 92627 | 177 | 56 | 83 | 382 | 43 | 93 | 88 | 87 | |
| 92628 | | | | | | | | | |
| 92629 | 54 | 53 | 7,494 | 7,658 | 202 | 151 | 75 | 2,874 | |
| 92630 | 123 | 212 | 256 | 675 | 300 | 9,935 | 6,424 | 251 | |
| 92637 | | 1 | 50 | 51 | 183 | 6 | 4 | 2 | |
| 92641 | | | | | | | | 1 | |
| 92644 | | | | | | | | 1 | |
| 92646 | 65 | 66 | 60 | 254 | 56 | 50 | 96 | 79 | |
| 92647 | 20 | 96 | 176 | 318 | 178 | 148 | 939 | 41 | |
| 92648 | 32 | 65 | 175 | 311 | 37 | 47 | 38 | 57 | |
| 92649 | 43 | 37 | 55 | 179 | 33 | 71 | 4,038 | 3,750 | |
| 92650 | | | | | | | | | |
| 92651 | 96 | 76 | 73 | 317 | 336 | 107 | 71 | 5,722 | |
| 92652 | | | | | | | | 1 | |
| 92653 | 75 | 32 | 3,364 | 3,527 | 4,522 | 148 | 64 | 30 | |
| 92654 | | | 1 | 1 | | | | | |
| 92655 | 7 | 4 | 2 | 16 | 5 | 5 | 5 | 2 | |
| 92656 | 27 | 6,010 | 10,879 | 16,955 | 1,631 | 58 | 21 | 24 | |
| 92657 | 21 | 33 | 5 | 95 | 16 | 12 | 13 | 31 | |
| 92659 | | | | | | | | | |
| 92660 | 58 | 75 | 31 | 228 | 43 | 39 | 39 | 63 | |
| 92661 | 13 | 8 | 12 | 40 | 4 | 11 | 7 | 11 | |
| 92662 | 6 | 13 | 2 | 24 | 4 | 9 | 6 | 12 | |
| 92663 | 33 | 31 | 29 | 121 | 18 | 35 | 29 | 38 | |
| 92672 | 63 | 54 | 37 | 271 | 39 | 62 | 34 | 94 | |
| 92673 | 124 | 25 | 32 | 308 | 31 | 32 | 32 | 5,926 | |
| 92674 | | | | | | | | | |
| 92675 | 55 | 71 | 54 | 253 | 53 | 59 | 44 | 8,601 | |
| 92676 | | | | | | 71 | | 2 | |

Attachment B
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|--------|--------|--------|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 92615 | | | | 1 | | 1 | | |
| 92617 | 67 | 1,038 | 255 | 16 | 7 | 1,316 | 12 | 32 |
| 92618 | 11,316 | 545 | 321 | 392 | 628 | 1,886 | 774 | 565 |
| 92619 | 60 | | | | 5 | 5 | | |
| 92620 | 7,888 | 207 | 313 | 85 | 233 | 838 | 490 | 352 |
| 92621 | | | | | | | | |
| 92623 | 1 | | | | | | | |
| 92624 | 466 | 529 | 25 | 39 | 29 | 622 | 16 | 17 |
| 92625 | 120 | 4,360 | 875 | 164 | 106 | 5,505 | 49 | 62 |
| 92626 | 752 | 37 | 392 | 12,279 | 694 | 13,402 | 457 | 193 |
| 92627 | 311 | 872 | 452 | 16,379 | 556 | 18,259 | 477 | 170 |
| 92628 | | | | 1 | | 1 | | |
| 92629 | 3,302 | 268 | 69 | 116 | 120 | 573 | 78 | 84 |
| 92630 | 16,910 | 134 | 164 | 207 | 216 | 721 | 193 | 222 |
| 92637 | 195 | | 1 | 1 | 1 | 3 | 5 | 2 |
| 92641 | 1 | | | | | | | |
| 92644 | 1 | | | | | | | |
| 92646 | 281 | 5,723 | 10,777 | 996 | 163 | 17,659 | 126 | 129 |
| 92647 | 1,306 | 7,160 | 7,767 | 299 | 81 | 15,307 | 130 | 105 |
| 92648 | 179 | 14,672 | 2,691 | 351 | 97 | 17,811 | 150 | 162 |
| 92649 | 7,892 | 4,098 | 397 | 473 | 76 | 5,044 | 165 | 100 |
| 92650 | | | | | | | | |
| 92651 | 6,236 | 3,232 | 462 | 224 | 113 | 4,031 | 133 | 85 |
| 92652 | 1 | | | | | | | |
| 92653 | 4,764 | 27 | 29 | 49 | 76 | 181 | 79 | 122 |
| 92654 | | 2 | | | | 2 | | |
| 92655 | 17 | 172 | 1,706 | 70 | 11 | 1,959 | 38 | 9 |
| 92656 | 1,734 | 20 | 24 | 122 | 145 | 311 | 470 | 77 |
| 92657 | 72 | 3,911 | 232 | 64 | 56 | 4,263 | 51 | 83 |
| 92659 | | 14 | | 1 | | 15 | | 1 |
| 92660 | 184 | 8,100 | 595 | 2,697 | 228 | 11,620 | 323 | 325 |
| 92661 | 33 | 1,295 | 529 | 43 | 59 | 1,926 | 8 | 15 |
| 92662 | 31 | 1,477 | 25 | 40 | 91 | 1,633 | 15 | 13 |
| 92663 | 120 | 3,390 | 2,195 | 1,651 | 205 | 7,441 | 98 | 93 |
| 92672 | 229 | 13,597 | 139 | 169 | 120 | 14,025 | 74 | 94 |
| 92673 | 6,021 | 3,215 | 90 | 58 | 60 | 3,423 | 56 | 114 |
| 92674 | | 2 | | | | 2 | | |
| 92675 | 8,757 | 592 | 100 | 96 | 112 | 900 | 90 | 118 |
| 92676 | 73 | 1 | | 1 | 1 | 3 | | 2 |

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 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 92615 | | | | | | | | | 1 |
| 92617 | 4 | 49 | 97 | 13 | 3 | 51 | 10 | 77 | 1,602 |
| 92618 | 703 | 434 | 2,476 | 363 | 420 | 462 | 332 | 1,577 | 20,437 |
| 92619 | | | | | | 1 | | 1 | 66 |
| 92620 | 308 | 212 | 1,362 | 204 | 194 | 160 | 54 | 612 | 21,378 |
| 92621 | | | | | | | | | 1 |
| 92623 | | | | | | | | | 1 |
| 92624 | 22 | 12 | 67 | 11 | 12 | 11 | 8 | 42 | 2,927 |
| 92625 | 66 | 43 | 220 | 56 | 65 | 56 | 138 | 315 | 6,354 |
| 92626 | 149 | 80 | 879 | 140 | 72 | 112 | 131 | 455 | 15,946 |
| 92627 | 200 | 134 | 981 | 190 | 201 | 182 | 177 | 750 | 20,831 |
| 92628 | | | | | | | | | 1 |
| 92629 | 71 | 26 | 259 | 52 | 60 | 55 | 39 | 206 | 12,186 |
| 92630 | 198 | 193 | 806 | 228 | 261 | 158 | 64 | 711 | 20,082 |
| 92637 | 1 | 3 | 11 | 3 | 2 | 3 | 1 | 9 | 272 |
| 92641 | | | | | | | | | 1 |
| 92644 | | | | | | | | | 1 |
| 92646 | 163 | 49 | 467 | 89 | 378 | 333 | 86 | 886 | 19,773 |
| 92647 | 92 | 33 | 360 | 73 | 61 | 107 | 50 | 291 | 17,702 |
| 92648 | 229 | 136 | 677 | 185 | 192 | 150 | 72 | 599 | 19,703 |
| 92649 | 53 | 31 | 349 | 63 | 108 | 106 | 211 | 488 | 14,059 |
| 92650 | | | | 1 | | | | 1 | 1 |
| 92651 | 79 | 79 | 376 | 39 | 106 | 50 | 153 | 348 | 11,578 |
| 92652 | | | | | | | | | 1 |
| 92653 | 27 | 20 | 248 | 30 | 30 | 36 | 12 | 108 | 8,968 |
| 92654 | | | | | | | 1 | 1 | 4 |
| 92655 | 10 | 7 | 64 | 10 | 11 | 36 | 23 | 80 | 2,159 |
| 92656 | 26 | 41 | 614 | 27 | 17 | 52 | 52 | 148 | 19,924 |
| 92657 | 56 | 38 | 228 | 23 | 30 | 36 | 18 | 107 | 4,811 |
| 92659 | | | 1 | | | | | | 16 |
| 92660 | 131 | 42 | 821 | 101 | 227 | 435 | 178 | 941 | 13,957 |
| 92661 | 15 | 13 | 51 | 12 | 43 | 27 | 43 | 125 | 2,196 |
| 92662 | 20 | 4 | 52 | 8 | 18 | 26 | 49 | 101 | 1,863 |
| 92663 | 83 | 44 | 318 | 76 | 165 | 96 | 153 | 490 | 8,598 |
| 92672 | 98 | 69 | 335 | 52 | 73 | 82 | 43 | 250 | 15,374 |
| 92673 | 50 | 24 | 244 | 27 | 30 | 42 | 28 | 127 | 10,242 |
| 92674 | | | | | | | | | 2 |
| 92675 | 46 | 75 | 329 | 74 | 228 | 75 | 43 | 420 | 10,929 |
| 92676 | 1 | | 3 | 1 | 1 | 1 | | 3 | 82 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 |
|------------|-----------|------------|------|-----|-----|-------|------------|------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | |
| Row Labels | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 |
| 92677 | | | 29 | 127 | 91 | 99 | 346 | 141 |
| 92678 | | | | | | | | |
| 92679 | | | 14 | 52 | 39 | 40 | 145 | 92 |
| 92683 | 7 | 7 | 19 | 47 | 32 | 32 | 130 | 37 |
| 92684 | | | | | | | | |
| 92688 | | | 4 | 40 | 26 | 28 | 98 | 45 |
| 92690 | | | | | | | | |
| 92691 | | | 18 | 78 | 88 | 63 | 247 | 103 |
| 92692 | | | 9 | 77 | 79 | 176 | 341 | 213 |
| 92694 | | | 2 | 7 | 34 | 165 | 208 | 149 |
| 92697 | | | | | | | | |
| 92701 | | | 37 | 23 | 14 | 10 | 84 | 13 |
| 92702 | | | | | | | | |
| 92703 | 1 | 1 | 5 | 11 | 24 | 20 | 60 | 11 |
| 92704 | | | 3 | 34 | 18 | 22 | 77 | 30 |
| 92705 | | | 14 | 78 | 24 | 29 | 145 | 81 |
| 92706 | | | 6 | 19 | 7 | 11 | 43 | 12 |
| 92707 | | | 2 | 28 | 18 | 12 | 60 | 306 |
| 92708 | 6 | 6 | 17 | 95 | 45 | 38 | 195 | 44 |
| 92711 | | | | | | | | |
| 92714 | | | | | | | | |
| 92715 | | | | | | | | |
| 92728 | | | | | | | | |
| 92770 | | | | | | | | |
| 92780 | | | 8 | 40 | 19 | 16 | 83 | 35 |
| 92781 | | | | | | | | |
| 92782 | | | 6 | 24 | 13 | 9 | 52 | 15 |
| 92799 | | | | | | | | |
| 92801 | 2 | 2 | 6 | 22 | 15 | 58 | 101 | 13 |
| 92802 | | | 3 | 25 | 11 | 10 | 49 | 12 |
| 92803 | | | | | | | | |
| 92804 | 10 | 10 | 10 | 37 | 19 | 15 | 81 | 19 |
| 92805 | | | 4 | 55 | 65 | 54 | 178 | 17 |
| 92806 | 2 | 2 | 14 | 30 | 13 | 12 | 69 | 17 |
| 92807 | 6 | 6 | 20 | 73 | 24 | 22 | 139 | 594 |
| 92808 | | | 16 | 25 | 7 | 10 | 58 | 33 |
| 92809 | | | | | | | | |
| 92812 | | | | | | | | |
| 92814 | | | | | | | | |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2014 | | | 2014 Total | 2015 | | | |
|------------------------|------|--------|-------|------------|--------|--------|-------|--------|
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 92677 | 133 | 102 | 73 | 449 | 14,389 | 5,901 | 134 | 1,810 |
| 92678 | | | | | | | 2 | 1 |
| 92679 | 42 | 43 | 24 | 201 | 30 | 3,445 | 2,990 | 80 |
| 92683 | 24 | 40 | 38 | 139 | 34 | 117 | 6,713 | 114 |
| 92684 | | | | | | | | |
| 92688 | 40 | 29 | 22 | 136 | 6 | 6,418 | 7,201 | 1,893 |
| 92690 | | | | | | | 10 | |
| 92691 | 84 | 49 | 45 | 281 | 117 | 5,426 | 5,441 | 2,028 |
| 92692 | 56 | 55 | 43 | 367 | 31 | 987 | 7,497 | 5,091 |
| 92694 | 462 | 138 | 154 | 903 | 105 | 240 | 118 | 7,378 |
| 92697 | | | | | | | | 1 |
| 92701 | 17 | 6 | 140 | 176 | 7,355 | 832 | 116 | 53 |
| 92702 | | | | | | | | |
| 92703 | 21 | 25 | 16 | 73 | 3,788 | 5,070 | 871 | 581 |
| 92704 | 43 | 19 | 24 | 116 | 199 | 2,899 | 754 | 2,551 |
| 92705 | 43 | 49 | 4,148 | 4,321 | 5,048 | 326 | 384 | 184 |
| 92706 | 15 | 13 | 190 | 230 | 3,700 | 1,211 | 104 | 619 |
| 92707 | 29 | 22 | 17 | 374 | 1,428 | 721 | 679 | 632 |
| 92708 | 48 | 25 | 24 | 141 | 277 | 47 | 7,832 | 1,554 |
| 92711 | | | | | | | | |
| 92714 | | | | | | | | |
| 92715 | | | | | | | | |
| 92728 | 1 | | | 1 | | | | |
| 92770 | | | | | | | | |
| 92780 | 39 | 32 | 4,666 | 4,772 | 1,591 | 423 | 100 | 403 |
| 92781 | | | | | | | 1 | |
| 92782 | 27 | 14 | 336 | 392 | 426 | 16 | 9 | 99 |
| 92799 | | | | | | | | |
| 92801 | 21 | 256 | 198 | 488 | 26 | 10,366 | 329 | 1,262 |
| 92802 | 20 | 21 | 16 | 69 | 2,443 | 6,117 | 401 | 58 |
| 92803 | | | | | | | 1 | |
| 92804 | 31 | 90 | 81 | 221 | 35 | 5,807 | 1,212 | 10,219 |
| 92805 | 86 | 1,517 | 473 | 2,093 | 4,677 | 7,291 | 1,019 | 759 |
| 92806 | 22 | 2,136 | 645 | 2,820 | 6,043 | 129 | 109 | 246 |
| 92807 | 34 | 10,764 | 124 | 11,516 | 85 | 184 | 196 | 51 |
| 92808 | 18 | 7,124 | 28 | 7,203 | 31 | 72 | 11 | 12 |
| 92809 | | 1 | | 1 | | | | |
| 92812 | | | | | | | | |
| 92814 | | | | | | | | |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|-------|-------|-------|-------|------------|-------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 92677 | 22,234 | 106 | 62 | 152 | 231 | 551 | 169 | 185 |
| 92678 | 3 | | | | | | | |
| 92679 | 6,545 | 24 | 2,865 | 61 | 59 | 3,009 | 112 | 173 |
| 92683 | 6,978 | 2,555 | 9,571 | 1,576 | 176 | 13,878 | 419 | 203 |
| 92684 | | 1 | | | | 1 | | 1 |
| 92688 | 15,518 | 45 | 24 | 40 | 55 | 164 | 81 | 111 |
| 92690 | 10 | | | | | | 1 | |
| 92691 | 13,012 | 122 | 1,692 | 112 | 123 | 2,049 | 118 | 156 |
| 92692 | 13,606 | 65 | 2,952 | 106 | 76 | 3,199 | 90 | 123 |
| 92694 | 7,841 | 119 | 177 | 92 | 187 | 575 | 253 | 245 |
| 92697 | 1 | 1 | | | | 1 | | |
| 92701 | 8,356 | 504 | 43 | 114 | 77 | 738 | 67 | 60 |
| 92702 | | | | | | | | |
| 92703 | 10,310 | 44 | 42 | 155 | 97 | 338 | 130 | 57 |
| 92704 | 6,403 | 34 | 65 | 5,531 | 3,519 | 9,149 | 562 | 109 |
| 92705 | 5,942 | 519 | 246 | 217 | 600 | 1,582 | 145 | 174 |
| 92706 | 5,634 | 1,176 | 69 | 165 | 51 | 1,461 | 52 | 38 |
| 92707 | 3,460 | 18 | 29 | 2,560 | 3,279 | 5,886 | 336 | 58 |
| 92708 | 9,710 | 180 | 3,193 | 1,758 | 83 | 5,214 | 250 | 136 |
| 92711 | | | | 1 | | 1 | | |
| 92714 | | | 1 | | | 1 | | |
| 92715 | | 1 | 1 | | | 2 | | |
| 92728 | | | | | | | | |
| 92770 | | | | | | | | 1 |
| 92780 | 2,517 | 80 | 1,373 | 1,644 | 1,768 | 4,865 | 337 | 84 |
| 92781 | 1 | | | | | | | |
| 92782 | 550 | 59 | 1,054 | 672 | 5,976 | 7,761 | 1,648 | 213 |
| 92799 | | | | 1 | | 1 | | |
| 92801 | 11,983 | 46 | 88 | 134 | 81 | 349 | 98 | 85 |
| 92802 | 9,019 | 28 | 44 | 63 | 74 | 209 | 60 | 59 |
| 92803 | 1 | | | | | | | |
| 92804 | 17,273 | 263 | 110 | 153 | 118 | 644 | 104 | 81 |
| 92805 | 13,746 | 118 | 102 | 237 | 165 | 622 | 255 | 135 |
| 92806 | 6,527 | 216 | 44 | 93 | 93 | 446 | 114 | 86 |
| 92807 | 516 | 33 | 46 | 51 | 69 | 199 | 47 | 96 |
| 92808 | 126 | 16 | 26 | 16 | 30 | 88 | 19 | 40 |
| 92809 | | | | | | | | |
| 92812 | | | 1 | | | 1 | | |
| 92814 | | | 1 | | | 1 | | |

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 92677 | 56 | 50 | 460 | 45 | 71 | 81 | 54 | 251 | 24,291 |
| 92678 | | | | | | | | | 3 |
| 92679 | 31 | 35 | 351 | 33 | 50 | 67 | 16 | 166 | 10,417 |
| 92683 | 132 | 72 | 826 | 100 | 110 | 223 | 140 | 573 | 22,531 |
| 92684 | | | 1 | | | | | | 2 |
| 92688 | 23 | 19 | 234 | 25 | 31 | 52 | 25 | 133 | 16,283 |
| 92690 | | | 1 | | | | | | 11 |
| 92691 | 37 | 33 | 344 | 52 | 41 | 66 | 36 | 195 | 16,128 |
| 92692 | 51 | 37 | 301 | 44 | 51 | 93 | 18 | 206 | 18,020 |
| 92694 | 160 | 307 | 965 | 389 | 218 | 283 | 126 | 1,016 | 11,508 |
| 92697 | | | | 1 | | 1 | 2 | 4 | 6 |
| 92701 | 26 | 34 | 187 | 31 | 56 | 26 | 11 | 124 | 9,665 |
| 92702 | | | | | 1 | | | 1 | 1 |
| 92703 | 47 | 66 | 300 | 71 | 92 | 20 | 175 | 358 | 11,440 |
| 92704 | 82 | 79 | 832 | 111 | 49 | 73 | 86 | 319 | 16,896 |
| 92705 | 40 | 42 | 401 | 69 | 100 | 79 | 62 | 310 | 12,701 |
| 92706 | 24 | 21 | 135 | 18 | 31 | 19 | 85 | 153 | 7,656 |
| 92707 | 53 | 31 | 478 | 68 | 36 | 53 | 123 | 280 | 10,538 |
| 92708 | 132 | 39 | 557 | 79 | 49 | 172 | 131 | 431 | 16,254 |
| 92711 | | | | | | | | | 1 |
| 92714 | | | | | | | | | 1 |
| 92715 | | | | | | | | | 2 |
| 92728 | | | | | | | | | 1 |
| 92770 | | | 1 | | | | | | 1 |
| 92780 | 76 | 36 | 533 | 71 | 60 | 105 | 21 | 257 | 13,027 |
| 92781 | | | | | | | | | 1 |
| 92782 | 247 | 159 | 2,267 | 59 | 54 | 36 | 26 | 175 | 11,197 |
| 92799 | | | | | | | | | 1 |
| 92801 | 52 | 18 | 253 | 40 | 56 | 157 | 36 | 289 | 13,465 |
| 92802 | 42 | 320 | 481 | 32 | 85 | 111 | 62 | 290 | 10,117 |
| 92803 | | | | | | | | | 1 |
| 92804 | 76 | 34 | 295 | 55 | 61 | 189 | 48 | 353 | 18,877 |
| 92805 | 84 | 31 | 505 | 35 | 70 | 306 | 46 | 457 | 17,601 |
| 92806 | 100 | 154 | 454 | 37 | 56 | 39 | 29 | 161 | 10,479 |
| 92807 | 23 | 54 | 220 | 53 | 80 | 63 | 20 | 216 | 12,812 |
| 92808 | 24 | 20 | 103 | 13 | 24 | 35 | 13 | 85 | 7,663 |
| 92809 | | | | | | | | | 1 |
| 92812 | | | | | | | | | 1 |
| 92814 | | | | | | | | | 1 |

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2012 | | 2013 | | | | 2013 Total | 2014 |
|------------------------|--------------------|------------|------|-----|-----|-------|------------|-------|
| | Qrtr/Year 10-12 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | |
| 92815 | | | | | | | | |
| 92816 | | | | | | | | |
| 92817 | | | | | | | | |
| 92821 | 7 | 7 | 39 | 119 | 175 | 86 | 419 | 70 |
| 92822 | | | | | | | | |
| 92823 | | | 4 | 18 | 18 | 12 | 52 | 27 |
| 92831 | 2 | 2 | 21 | 24 | 21 | 3 | 69 | 27 |
| 92832 | | | 7 | 14 | 12 | 32 | 65 | 35 |
| 92833 | 8 | 8 | 17 | 76 | 12 | 29 | 134 | 27 |
| 92834 | | | | | | | | |
| 92835 | 1 | 1 | 11 | 18 | 5 | 14 | 48 | 21 |
| 92836 | | | | | | | | |
| 92837 | | | | | | | | |
| 92838 | | | | | | | | |
| 92840 | 1 | 1 | 10 | 19 | 16 | 14 | 59 | 19 |
| 92841 | 3 | 3 | 3 | 17 | 5 | 7 | 32 | 35 |
| 92842 | | | | | | | | |
| 92843 | | | 3 | 20 | 41 | 25 | 89 | 18 |
| 92844 | 3 | 3 | 3 | 13 | 6 | 4 | 26 | 5 |
| 92845 | 11 | 11 | 2 | 17 | 17 | 8 | 44 | 2 |
| 92856 | | | | | | | | |
| 92857 | | | | | | | | 1 |
| 92860 | | | 3 | 15 | 14 | 19 | 51 | 25 |
| 92861 | | | 4 | 25 | 6 | 7 | 42 | 7 |
| 92863 | | | | | | | | |
| 92865 | | | 1 | 17 | 8 | 11 | 37 | 5,394 |
| 92866 | | | 1 | 10 | 5 | 7 | 23 | 8 |
| 92867 | | | 24 | 48 | 12 | 16 | 100 | 996 |
| 92868 | | | 2 | 6 | 4 | 4 | 16 | 9 |
| 92869 | | | 6 | 43 | 21 | 14 | 84 | 29 |
| 92870 | 8 | 8 | 15 | 22 | 22 | 12 | 71 | 34 |
| 92871 | | | | | | | | |
| 92877 | | | | | | | | |
| 92878 | | | | | | | | |
| 92879 | | | 4 | 8 | 15 | 12 | 39 | 15 |
| 92880 | 46 | 46 | 32 | 126 | 132 | 150 | 440 | 85 |
| 92881 | | | 2 | 9 | 21 | 11 | 43 | 15 |
| 92882 | 1 | 1 | 2 | 22 | 31 | 21 | 76 | 35 |
| 92883 | | | 4 | 20 | 31 | 25 | 80 | 12 |

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 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2014 | | | 2014 Total | 2015 | | | |
|------------------------|-------|-------|-------|------------|-------|-------|--------|--------|
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 92815 | | | | | | | | 1 |
| 92816 | | | | | 1 | | | |
| 92817 | | | | | | | | |
| 92821 | 3,914 | 5,278 | 804 | 10,066 | 216 | 356 | 91 | 46 |
| 92822 | | 1 | | 1 | | | | |
| 92823 | 1,019 | 57 | 42 | 1,145 | 32 | 32 | 16 | 22 |
| 92831 | 3,779 | 2,976 | 310 | 7,092 | 453 | 434 | 57 | 27 |
| 92832 | 488 | 1,362 | 4,189 | 6,074 | 89 | 478 | 301 | 28 |
| 92833 | 2,925 | 2,091 | 7,203 | 12,246 | 137 | 1,278 | 718 | 89 |
| 92834 | 1 | | | 1 | | | | |
| 92835 | 2,651 | 2,934 | 575 | 6,181 | 338 | 537 | 44 | 26 |
| 92836 | | | | | | 1 | | |
| 92837 | 1 | | | 1 | | | | |
| 92838 | 1 | | | 1 | | | | |
| 92840 | 9 | 12 | 20 | 60 | 2,544 | 4,135 | 4,217 | 778 |
| 92841 | 11 | 10 | 6 | 62 | 14 | 10 | 3,220 | 4,236 |
| 92842 | | | | | | | 1 | |
| 92843 | 57 | 20 | 35 | 130 | 454 | 3,707 | 4,634 | 56 |
| 92844 | 4 | 9 | 15 | 33 | 11 | 881 | 1,787 | 1,408 |
| 92845 | 13 | 12 | 6 | 33 | 11 | 17 | 2,931 | 2,083 |
| 92856 | | | | | | | | |
| 92857 | | | | 1 | | | | |
| 92860 | 21 | 26 | 58 | 130 | 36 | 58 | 5,625 | 803 |
| 92861 | 9 | 12 | 1,574 | 1,602 | 16 | 11 | 77 | 32 |
| 92863 | | | | | | | | |
| 92865 | 125 | 21 | 29 | 5,569 | 12 | 46 | 22 | 127 |
| 92866 | 5 | 9 | 36 | 58 | 4,112 | 44 | 57 | 26 |
| 92867 | 39 | 2,534 | 4,324 | 7,893 | 3,392 | 91 | 280 | 152 |
| 92868 | 6 | 6 | 26 | 47 | 5,943 | 497 | 222 | 46 |
| 92869 | 16 | 16 | 9,365 | 9,426 | 1,040 | 52 | 213 | 82 |
| 92870 | 4,077 | 9,170 | 724 | 14,005 | 64 | 503 | 86 | 55 |
| 92871 | | | | | | | | |
| 92877 | | | | | | | | 1 |
| 92878 | | | | | | | | 1 |
| 92879 | 20 | 21 | 98 | 154 | 52 | 47 | 6,435 | 5,586 |
| 92880 | 92 | 113 | 184 | 474 | 128 | 113 | 12,606 | 3,589 |
| 92881 | 8 | 26 | 77 | 126 | 27 | 25 | 17 | 8,042 |
| 92882 | 21 | 37 | 144 | 237 | 114 | 180 | 259 | 17,526 |
| 92883 | 21 | 39 | 39 | 111 | 39 | 43 | 254 | 8,879 |

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 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | |
|------------|------------|------|-------|-----|-------|------------|------|-----|
| Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 92815 | 1 | | | | | | | |
| 92816 | 1 | | | | | | | |
| 92817 | | | | | | | | |
| 92821 | 709 | 56 | 62 | 92 | 92 | 302 | 74 | 72 |
| 92822 | | | | | | | | |
| 92823 | 102 | 43 | 31 | 26 | 48 | 148 | 49 | 38 |
| 92831 | 971 | 32 | 63 | 55 | 47 | 197 | 64 | 57 |
| 92832 | 896 | 24 | 189 | 36 | 40 | 289 | 353 | 44 |
| 92833 | 2,222 | 60 | 78 | 66 | 73 | 277 | 103 | 71 |
| 92834 | | | | | | | | |
| 92835 | 945 | 38 | 59 | 54 | 42 | 193 | 49 | 65 |
| 92836 | 1 | | | | | | | |
| 92837 | | | | | | | | |
| 92838 | | | | | | | | |
| 92840 | 11,674 | 52 | 77 | 290 | 114 | 533 | 80 | 56 |
| 92841 | 7,480 | 156 | 59 | 217 | 48 | 480 | 62 | 66 |
| 92842 | 1 | | | | | | | |
| 92843 | 8,851 | 150 | 74 | 299 | 79 | 602 | 170 | 64 |
| 92844 | 4,087 | 331 | 1,128 | 118 | 38 | 1,615 | 33 | 94 |
| 92845 | 5,042 | 30 | 30 | 34 | 23 | 117 | 34 | 51 |
| 92856 | | | | 1 | | 1 | | |
| 92857 | | | | | | | | |
| 92860 | 6,522 | 47 | 124 | 68 | 57 | 296 | 52 | 95 |
| 92861 | 136 | 7 | 38 | 17 | 21 | 83 | 29 | 72 |
| 92863 | | | | | | | | |
| 92865 | 207 | 16 | 25 | 40 | 38 | 119 | 73 | 142 |
| 92866 | 4,239 | 687 | 14 | 85 | 41 | 827 | 25 | 27 |
| 92867 | 3,915 | 555 | 72 | 147 | 99 | 873 | 118 | 233 |
| 92868 | 6,708 | 38 | 19 | 66 | 59 | 182 | 41 | 30 |
| 92869 | 1,387 | 87 | 85 | 69 | 75 | 316 | 77 | 120 |
| 92870 | 708 | 43 | 58 | 62 | 63 | 226 | 70 | 67 |
| 92871 | | | | | | | | |
| 92877 | 1 | | | | | | | |
| 92878 | 1 | | | | | | | |
| 92879 | 12,120 | 66 | 110 | 75 | 51 | 302 | 75 | 83 |
| 92880 | 16,436 | 180 | 183 | 206 | 172 | 741 | 361 | 357 |
| 92881 | 8,111 | 113 | 90 | 36 | 53 | 292 | 52 | 189 |
| 92882 | 18,079 | 204 | 190 | 76 | 69 | 539 | 119 | 174 |
| 92883 | 9,215 | 136 | 72 | 101 | 90 | 399 | 71 | 162 |

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 92815 | | | | | | | | | 1 |
| 92816 | | | | | | | | | 1 |
| 92817 | | | | | | 1 | | 1 | 1 |
| 92821 | 45 | 63 | 254 | 44 | 55 | 87 | 140 | 326 | 12,083 |
| 92822 | | | | | | | | | 1 |
| 92823 | 37 | 175 | 299 | 88 | 39 | 17 | 9 | 153 | 1,899 |
| 92831 | 17 | 26 | 164 | 20 | 41 | 35 | 159 | 255 | 8,750 |
| 92832 | 21 | 11 | 429 | 15 | 23 | 99 | 18 | 155 | 7,908 |
| 92833 | 27 | 28 | 229 | 21 | 32 | 114 | 14 | 181 | 15,297 |
| 92834 | | | | | | | | | 1 |
| 92835 | 27 | 27 | 168 | 25 | 38 | 114 | 51 | 228 | 7,764 |
| 92836 | | | | | | | | | 1 |
| 92837 | | | | | | | | | 1 |
| 92838 | | | | | | | | | 1 |
| 92840 | 61 | 17 | 214 | 36 | 58 | 287 | 66 | 447 | 12,988 |
| 92841 | 37 | 17 | 182 | 32 | 18 | 106 | 11 | 167 | 8,406 |
| 92842 | | | | | | | | | 1 |
| 92843 | 37 | 26 | 297 | 25 | 30 | 84 | 88 | 227 | 10,196 |
| 92844 | 21 | 11 | 159 | 16 | 24 | 125 | 6 | 171 | 6,094 |
| 92845 | 19 | 6 | 110 | 14 | 22 | 23 | 6 | 65 | 5,422 |
| 92856 | | | | | | | | | 1 |
| 92857 | | | | | | | | | 1 |
| 92860 | 33 | 37 | 217 | 32 | 45 | 48 | 11 | 136 | 7,352 |
| 92861 | 21 | 7 | 129 | 8 | 22 | 20 | 4 | 54 | 2,046 |
| 92863 | | | | | 1 | | | 1 | 1 |
| 92865 | 39 | 24 | 278 | 31 | 19 | 24 | 5 | 79 | 6,289 |
| 92866 | 14 | 12 | 78 | 13 | 35 | 15 | 4 | 67 | 5,292 |
| 92867 | 58 | 48 | 457 | 38 | 68 | 62 | 11 | 179 | 13,417 |
| 92868 | 24 | 24 | 119 | 15 | 38 | 20 | 24 | 97 | 7,169 |
| 92869 | 81 | 60 | 338 | 33 | 83 | 68 | 14 | 198 | 11,749 |
| 92870 | 40 | 44 | 221 | 18 | 36 | 52 | 54 | 160 | 15,399 |
| 92871 | | | | 1 | | | | 1 | 1 |
| 92877 | | | | | | | | | 1 |
| 92878 | | | | | | | | | 1 |
| 92879 | 99 | 73 | 330 | 28 | 49 | 46 | 15 | 138 | 13,083 |
| 92880 | 273 | 111 | 1,102 | 42 | 55 | 114 | 29 | 240 | 19,479 |
| 92881 | 54 | 45 | 340 | 52 | 67 | 68 | 26 | 213 | 9,125 |
| 92882 | 52 | 69 | 414 | 42 | 70 | 78 | 19 | 209 | 19,555 |
| 92883 | 38 | 64 | 335 | 99 | 120 | 180 | 75 | 474 | 10,614 |

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 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 |
|------------|-----------|------------|------|-----|-----|-------|------------|-------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | |
| Row Labels | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 |
| 92885 | | | | | | | | |
| 92886 | 7 | 7 | 55 | 99 | 87 | 95 | 336 | 425 |
| 92887 | 1 | 1 | 36 | 42 | 7 | 7 | 92 | 2,868 |
| 92899 | | | | | | | | |
| 93001 | | | 6 | 14 | 29 | 18 | 67 | 86 |
| 93003 | | | 9 | 42 | 37 | 34 | 122 | 83 |
| 93004 | | | 10 | 44 | 17 | 20 | 91 | 21 |
| 93009 | | | | | | | | |
| 93010 | | | 5 | 44 | 41 | 48 | 138 | 135 |
| 93011 | | | | | | | | |
| 93012 | | | 7 | 33 | 31 | 39 | 110 | 105 |
| 93013 | | | 7 | 92 | 31 | 15 | 145 | 12 |
| 93015 | | | 12 | 3 | 18 | 10 | 43 | 11 |
| 93020 | | | | | | | | |
| 93021 | | | 9 | 45 | 46 | 59 | 159 | 87 |
| 93022 | | | 3 | 11 | 3 | 5 | 22 | 12 |
| 93023 | | | 3 | 67 | 14 | 10 | 94 | 36 |
| 93030 | | | 6 | 26 | 24 | 21 | 77 | 16 |
| 93033 | | | 74 | 30 | 22 | 25 | 151 | 41 |
| 93035 | | | 16 | 24 | 28 | 25 | 93 | 35 |
| 93036 | | | 80 | 258 | 67 | 48 | 453 | 56 |
| 93040 | | | | 1 | | 1 | 2 | |
| 93041 | | | 16 | 22 | 15 | 25 | 78 | 29 |
| 93043 | | | | | | | | |
| 93055 | | | | | | | | |
| 93060 | | | 11 | 22 | 22 | 34 | 89 | 26 |
| 93063 | | | 13 | 56 | 70 | 62 | 201 | 70 |
| 93064 | | | | | | | | 1 |
| 93065 | | | 9 | 118 | 110 | 70 | 307 | 165 |
| 93066 | | | | 1 | 5 | 2 | 8 | 12 |
| 93067 | | | | 1 | 4 | 1 | 6 | 3 |
| 93101 | | | 7 | 15 | 9 | 24 | 55 | 43 |
| 93103 | | | 6 | 14 | 9 | 6 | 35 | 21 |
| 93105 | | | | 29 | 8 | 14 | 51 | 48 |
| 93106 | | | | | | | | |
| 93108 | | | | 27 | 29 | 18 | 74 | 54 |
| 93109 | | | | 12 | 4 | 14 | 30 | 9 |
| 93110 | | | 4 | 20 | 7 | 5 | 36 | 35 |
| 93111 | | | 7 | 57 | 11 | 11 | 86 | 14 |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2014 | | | 2014 Total | 2015 | | | |
|------------------------|-------|-------|-------|------------|------|-------|--------|-------|
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 92885 | | 1 | | 1 | | | | |
| 92886 | 7,673 | 6,055 | 316 | 14,469 | 265 | 259 | 160 | 82 |
| 92887 | 1,428 | 2,261 | 129 | 6,686 | 34 | 88 | 20 | 17 |
| 92899 | | | | | | | 1 | |
| 93001 | 31 | 31 | 17 | 165 | 23 | 314 | 1,291 | 160 |
| 93003 | 45 | 26 | 52 | 206 | 317 | 2,375 | 557 | 40 |
| 93004 | 14 | 35 | 36 | 106 | 31 | 229 | 66 | 75 |
| 93009 | | | | | | | | |
| 93010 | 59 | 130 | 140 | 464 | 173 | 93 | 41 | 49 |
| 93011 | | | | | | | | |
| 93012 | 34 | 36 | 39 | 214 | 49 | 67 | 47 | 835 |
| 93013 | 10 | 10 | 18 | 50 | 11 | 12 | 49 | 12 |
| 93015 | 15 | 10 | 28 | 64 | 193 | 16 | 30 | 3,500 |
| 93020 | 2 | | | 2 | | | | |
| 93021 | 82 | 89 | 78 | 336 | 73 | 67 | 5,996 | 4,310 |
| 93022 | 3 | 2 | 5 | 22 | 2 | 3 | 9 | 4 |
| 93023 | 15 | 20 | 14 | 85 | 15 | 12 | 24 | 28 |
| 93030 | 20 | 27 | 19 | 82 | 19 | 41 | 156 | 39 |
| 93033 | 38 | 26 | 24 | 129 | 31 | 34 | 37 | 39 |
| 93035 | 35 | 36 | 25 | 131 | 37 | 42 | 45 | 48 |
| 93036 | 117 | 178 | 54 | 405 | 58 | 36 | 153 | 189 |
| 93040 | | 1 | 1 | 2 | 416 | 4 | 4 | 26 |
| 93041 | 13 | 7 | 5 | 54 | 4 | 18 | 12 | 8 |
| 93043 | | | | | | | | |
| 93055 | | | | | | | | |
| 93060 | 23 | 17 | 6 | 72 | 12 | 74 | 22 | 6,596 |
| 93063 | 110 | 68 | 50 | 298 | 26 | 43 | 16,692 | 169 |
| 93064 | 1 | | | 2 | | | 10 | |
| 93065 | 146 | 70 | 62 | 443 | 52 | 83 | 20,827 | 171 |
| 93066 | 4 | 4 | 3 | 23 | 2 | 6 | 5 | 1 |
| 93067 | 2 | 2 | | 7 | | 2 | 1 | 2 |
| 93101 | 14 | 17 | 34 | 108 | 17 | 17 | 495 | 2,744 |
| 93103 | 12 | 15 | 21 | 69 | 11 | 9 | 103 | 831 |
| 93105 | 33 | 13 | 22 | 116 | 17 | 13 | 54 | 2,739 |
| 93106 | | | | | | | | |
| 93108 | 18 | 23 | 16 | 111 | 16 | 18 | 180 | 214 |
| 93109 | 8 | 6 | 7 | 30 | 6 | 7 | 642 | 1,749 |
| 93110 | 12 | 8 | 12 | 67 | 10 | 10 | 13 | 2,488 |
| 93111 | 24 | 15 | 3 | 56 | 5 | 4 | 13 | 4,783 |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|--------|--------|-------|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 92885 | | | | | | | | |
| 92886 | 766 | 96 | 158 | 115 | 121 | 490 | 119 | 144 |
| 92887 | 159 | 29 | 47 | 26 | 92 | 194 | 36 | 62 |
| 92899 | 1 | | | | | | | |
| 93001 | 1,788 | 65 | 2,103 | 3,875 | 2,993 | 9,036 | 292 | 127 |
| 93003 | 3,289 | 2,185 | 4,301 | 7,183 | 104 | 13,773 | 233 | 101 |
| 93004 | 401 | 8,623 | 157 | 114 | 40 | 8,934 | 46 | 47 |
| 93009 | | | | | | | | |
| 93010 | 356 | 11,026 | 1,847 | 577 | 119 | 13,569 | 70 | 185 |
| 93011 | | | 2 | | | 2 | | |
| 93012 | 998 | 8,847 | 693 | 165 | 80 | 9,785 | 40 | 211 |
| 93013 | 84 | 17 | 4,627 | 264 | 54 | 4,962 | 38 | 47 |
| 93015 | 3,739 | 288 | 128 | 39 | 41 | 496 | 43 | 32 |
| 93020 | | | | | | | | |
| 93021 | 10,446 | 188 | 128 | 75 | 60 | 451 | 56 | 86 |
| 93022 | 18 | 7 | 9 | 1,182 | 334 | 1,532 | 76 | 7 |
| 93023 | 79 | 38 | 26 | 4,434 | 448 | 4,946 | 234 | 50 |
| 93030 | 255 | 76 | 11,146 | 1,761 | 114 | 13,097 | 80 | 309 |
| 93033 | 141 | 2,395 | 9,011 | 2,005 | 118 | 13,529 | 60 | 197 |
| 93035 | 172 | 43 | 8,673 | 268 | 142 | 9,126 | 74 | 107 |
| 93036 | 436 | 3,785 | 5,599 | 217 | 95 | 9,696 | 88 | 191 |
| 93040 | 450 | 6 | 5 | 4 | 2 | 17 | 5 | 5 |
| 93041 | 42 | 25 | 5,305 | 156 | 42 | 5,528 | 22 | 44 |
| 93043 | | | | | | | | 1 |
| 93055 | | | | | | | | 1 |
| 93060 | 6,704 | 792 | 358 | 147 | 43 | 1,340 | 55 | 54 |
| 93063 | 16,930 | 179 | 153 | 156 | 107 | 595 | 113 | 49 |
| 93064 | 10 | 1 | 1 | | | 2 | | |
| 93065 | 21,133 | 255 | 305 | 233 | 168 | 961 | 109 | 79 |
| 93066 | 14 | 588 | 16 | 16 | 3 | 623 | 3 | 17 |
| 93067 | 5 | 2 | 434 | 24 | 7 | 467 | 3 | 1 |
| 93101 | 3,273 | 4,104 | 1,700 | 125 | 60 | 5,989 | 67 | 45 |
| 93103 | 954 | 4,218 | 772 | 216 | 66 | 5,272 | 81 | 33 |
| 93105 | 2,823 | 2,081 | 376 | 168 | 46 | 2,671 | 124 | 60 |
| 93106 | | | 1 | | | 1 | | |
| 93108 | 428 | 354 | 2,326 | 292 | 59 | 3,031 | 70 | 59 |
| 93109 | 2,404 | 1,091 | 92 | 74 | 39 | 1,296 | 34 | 11 |
| 93110 | 2,521 | 1,798 | 71 | 191 | 37 | 2,097 | 20 | 29 |
| 93111 | 4,805 | 64 | 280 | 200 | 39 | 583 | 31 | 27 |

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-------|-------|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 92885 | | | | | | | | | 1 |
| 92886 | 66 | 65 | 394 | 37 | 67 | 85 | 30 | 219 | 16,681 |
| 92887 | 17 | 13 | 128 | 5 | 28 | 43 | 10 | 86 | 7,346 |
| 92899 | | | | | | | | | 1 |
| 93001 | 97 | 83 | 599 | 65 | 127 | 205 | 344 | 741 | 12,396 |
| 93003 | 56 | 80 | 470 | 49 | 111 | 62 | 30 | 252 | 18,112 |
| 93004 | 47 | 62 | 202 | 61 | 56 | 45 | 30 | 192 | 9,926 |
| 93009 | 1 | | 1 | | | | | | 1 |
| 93010 | 121 | 80 | 456 | 102 | 102 | 166 | 40 | 410 | 15,393 |
| 93011 | | | | | | | | | 2 |
| 93012 | 109 | 58 | 418 | 140 | 79 | 205 | 146 | 570 | 12,095 |
| 93013 | 32 | 27 | 144 | 34 | 19 | 16 | 12 | 81 | 5,466 |
| 93015 | 31 | 25 | 131 | 27 | 30 | 35 | 10 | 102 | 4,575 |
| 93020 | | | | | | | | | 2 |
| 93021 | 80 | 38 | 260 | 41 | 34 | 86 | 21 | 182 | 11,834 |
| 93022 | 9 | 13 | 105 | 7 | 20 | 17 | 257 | 301 | 2,000 |
| 93023 | 73 | 41 | 398 | 41 | 1,049 | 299 | 70 | 1,459 | 7,061 |
| 93030 | 87 | 71 | 547 | 47 | 101 | 172 | 126 | 446 | 14,504 |
| 93033 | 70 | 73 | 400 | 41 | 46 | 147 | 146 | 380 | 14,730 |
| 93035 | 136 | 64 | 381 | 46 | 89 | 692 | 59 | 886 | 10,789 |
| 93036 | 100 | 68 | 447 | 65 | 66 | 378 | 35 | 544 | 11,981 |
| 93040 | 2 | 2 | 14 | 3 | 1 | 2 | | 6 | 491 |
| 93041 | 25 | 13 | 104 | 7 | 17 | 270 | 40 | 334 | 6,140 |
| 93043 | | | 1 | 2 | | | | 2 | 3 |
| 93055 | 1 | | 2 | | | | | | 2 |
| 93060 | 34 | 51 | 194 | 33 | 85 | 30 | 24 | 172 | 8,571 |
| 93063 | 411 | 109 | 682 | 79 | 68 | 92 | 54 | 293 | 18,999 |
| 93064 | | | | | 2 | | 1 | 3 | 17 |
| 93065 | 322 | 76 | 586 | 123 | 126 | 184 | 73 | 506 | 23,936 |
| 93066 | 7 | 9 | 36 | 6 | 6 | 79 | 1 | 92 | 796 |
| 93067 | 3 | 1 | 8 | | 3 | 2 | | 5 | 498 |
| 93101 | 39 | 36 | 187 | 42 | 90 | 641 | 702 | 1,475 | 11,087 |
| 93103 | 26 | 18 | 158 | 83 | 99 | 294 | 75 | 551 | 7,039 |
| 93105 | 28 | 45 | 257 | 56 | 48 | 1,182 | 978 | 2,264 | 8,182 |
| 93106 | | | | | | | | | 1 |
| 93108 | 36 | 24 | 189 | 77 | 67 | 33 | 12 | 189 | 4,022 |
| 93109 | 14 | 6 | 65 | 19 | 17 | 20 | 2 | 58 | 3,883 |
| 93110 | 21 | 14 | 84 | 21 | 29 | 72 | 3 | 125 | 4,930 |
| 93111 | 31 | 7 | 96 | 38 | 53 | 71 | 14 | 176 | 5,802 |

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 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 |
|------------|-----------|------------|------|-------|-------|--------|------------|-------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | |
| Row Labels | 10-12 | | | | | | 1-3 | |
| 93117 | | | 8 | 118 | 63 | 63 | 252 | 54 |
| 93199 | | | | | | | | |
| 93201 | | | | 1 | 1 | 207 | 209 | 3 |
| 93202 | | | | 4 | 6 | | 10 | 3 |
| 93203 | | | 6 | 22 | 30 | 3,994 | 4,052 | 20 |
| 93204 | | | | | | | | |
| 93206 | | | 2 | 358 | 43 | 1 | 404 | 2 |
| 93212 | | | | 8 | 10 | 6 | 24 | 17 |
| 93215 | 1 | 1 | 19 | 62 | 9,665 | 444 | 10,190 | 43 |
| 93216 | | | | | | 1 | 1 | |
| 93219 | | | | 5 | 5 | 1,742 | 1,752 | 18 |
| 93221 | | | 3 | 6 | 10 | 12 | 31 | 3,995 |
| 93223 | | | | 8 | 11 | 9 | 28 | 2,727 |
| 93224 | | | 1 | 2 | 82 | 21 | 106 | 1 |
| 93225 | 1 | 1 | 10 | 2 | 1,244 | 636 | 1,892 | 12 |
| 93226 | | | | | | | | |
| 93227 | | | | | 2 | | 2 | 3 |
| 93230 | | | 1 | 83 | 50 | 65 | 199 | 85 |
| 93235 | | | | 1 | 1 | | 2 | 1,062 |
| 93241 | 1 | 1 | 8 | 28 | 18 | 3,252 | 3,306 | 13 |
| 93242 | | | | | | 2 | 2 | 2 |
| 93243 | 1 | 1 | | 1 | 39 | 346 | 386 | 4 |
| 93245 | | | | 35 | 32 | 33 | 100 | 38 |
| 93247 | | | | 4 | 5 | 1,140 | 1,149 | 2,752 |
| 93249 | 1 | 1 | | 3 | 2 | 413 | 418 | |
| 93250 | 6 | 6 | 25 | 35 | 2,755 | 40 | 2,855 | 33 |
| 93251 | | | | | 40 | 6 | 46 | 1 |
| 93252 | | | | | | | | |
| 93254 | | | | 2 | 104 | 125 | 231 | |
| 93255 | | | | | 1 | | 1 | |
| 93256 | | | 2 | | 1 | 1,184 | 1,187 | 28 |
| 93257 | | | 3 | 28 | 29 | 19,795 | 19,855 | 581 |
| 93261 | | | | | | 519 | 519 | 7 |
| 93263 | 3 | 3 | 13 | 4,688 | 151 | 66 | 4,918 | 25 |
| 93265 | | | | | | 246 | 246 | 9 |
| 93266 | | | | 2 | | | 2 | 1 |
| 93267 | | | | 1 | 3 | 717 | 721 | 247 |
| 93268 | | | 2 | 3 | 292 | 259 | 556 | 5 |
| 93270 | | | | 2 | | 892 | 894 | 22 |

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 Supplemental Testimony
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 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|-------------------|-------------|------------|--------------|-------------------|-------------|------------|------------|--------------|--|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | |
| 93117 | 403 | 93 | 36 | 586 | 31 | 28 | 79 | 3,659 | |
| 93199 | | | | | | | | | |
| 93201 | 2 | 1 | 2 | 8 | 3 | | 1 | | |
| 93202 | 1,106 | 95 | 13 | 1,217 | 6 | 4 | 9 | 4 | |
| 93203 | 41 | 85 | 67 | 213 | 14 | 39 | 37 | 45 | |
| 93204 | | | | | | | | | |
| 93206 | 8 | 5 | 3 | 18 | 4 | 2 | 1 | | |
| 93212 | 3,978 | 35 | 28 | 4,058 | 8 | 21 | 24 | 23 | |
| 93215 | 55 | 46 | 47 | 191 | 32 | 33 | 20 | 19 | |
| 93216 | | | | | | | | | |
| 93219 | 4 | 7 | 3 | 32 | 4 | 3 | 10 | 10 | |
| 93221 | 52 | 28 | 21 | 4,096 | 31 | 6 | 6 | 9 | |
| 93223 | 12 | 7 | 6 | 2,752 | 3 | 3 | 2 | 17 | |
| 93224 | | 1 | | 2 | 2 | | 1 | 2 | |
| 93225 | 9 | 21 | 14 | 56 | 2 | 13 | 1 | 3 | |
| 93226 | | | | | | 1 | | | |
| 93227 | 349 | 4 | 2 | 358 | 5 | | 1 | 1 | |
| 93230 | 19,042 | 492 | 226 | 19,845 | 60 | 96 | 100 | 306 | |
| 93235 | 17 | 9 | 22 | 1,110 | 1 | 2 | 2 | 5 | |
| 93241 | 55 | 21 | 65 | 154 | 7 | 17 | 7 | 11 | |
| 93242 | 4 | 529 | 1 | 536 | | 3 | | | |
| 93243 | 10 | 7 | 2 | 23 | 2 | 3 | 4 | | |
| 93245 | 4,657 | 4,202 | 61 | 8,958 | 65 | 84 | 17 | 48 | |
| 93247 | 70 | 28 | 21 | 2,871 | 18 | 15 | 14 | 21 | |
| 93249 | 3 | 1 | 3 | 7 | 1 | 6 | 1 | 23 | |
| 93250 | 41 | 25 | 30 | 129 | 14 | 19 | 19 | 22 | |
| 93251 | 2 | 1 | | 4 | | | | | |
| 93252 | | | | | 1 | | | | |
| 93254 | 2 | | 1 | 3 | 1 | 1 | | | |
| 93255 | | | | | | | | | |
| 93256 | 5 | 3 | 3 | 39 | 3 | 4 | 4 | 7 | |
| 93257 | 73 | 139 | 54 | 847 | 117 | 101 | 201 | 86 | |
| 93261 | 2 | 2 | 1 | 12 | | 2 | | 7 | |
| 93263 | 64 | 57 | 37 | 183 | 36 | 25 | 18 | 24 | |
| 93265 | 4 | 144 | 4 | 161 | 1 | 2 | 4 | 3 | |
| 93266 | 2 | 229 | 1 | 233 | | | 1 | 17 | |
| 93267 | 18 | 14 | 2 | 281 | 2 | 1 | | 3 | |
| 93268 | 9 | 9 | 11 | 34 | | 4 | 2 | 3 | |
| 93270 | 3 | 8 | 5 | 38 | 1 | 6 | 3 | 3 | |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|-------|-----|-----|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 93117 | 3,797 | 6,411 | 284 | 299 | 54 | 7,048 | 64 | 93 |
| 93199 | | 1 | | | | 1 | | |
| 93201 | 4 | 1 | 1 | 3 | 15 | 20 | 2 | |
| 93202 | 23 | 3 | 2 | 5 | 18 | 28 | 2 | 3 |
| 93203 | 135 | 41 | 25 | 147 | 49 | 262 | 34 | 14 |
| 93204 | | | | | 1 | 1 | | 1 |
| 93206 | 7 | 1 | 3 | 31 | 12 | 47 | 8 | 4 |
| 93212 | 76 | 17 | 28 | 35 | 49 | 129 | 13 | 11 |
| 93215 | 104 | 41 | 33 | 158 | 174 | 406 | 78 | 42 |
| 93216 | | | | | | | | |
| 93219 | 27 | 5 | 7 | 7 | 84 | 103 | 5 | 4 |
| 93221 | 52 | 22 | 6 | 41 | 47 | 116 | 8 | 12 |
| 93223 | 25 | 3 | 6 | 13 | 47 | 69 | 4 | 7 |
| 93224 | 5 | 2 | 2 | 7 | 1 | 12 | | 1 |
| 93225 | 19 | 6 | 8 | 32 | 21 | 67 | 22 | 9 |
| 93226 | 1 | | | | 1 | 1 | | |
| 93227 | 7 | 2 | 2 | 1 | 3 | 8 | | |
| 93230 | 562 | 104 | 141 | 144 | 372 | 761 | 92 | 122 |
| 93235 | 10 | 6 | 3 | 6 | 109 | 124 | 1 | |
| 93241 | 42 | 13 | 8 | 32 | 28 | 81 | 11 | 15 |
| 93242 | 3 | 4 | 2 | 2 | 15 | 23 | 1 | 1 |
| 93243 | 9 | 8 | | 63 | 10 | 81 | 11 | 2 |
| 93245 | 214 | 26 | 48 | 67 | 131 | 272 | 79 | 65 |
| 93247 | 68 | 22 | 15 | 17 | 33 | 87 | 13 | 9 |
| 93249 | 31 | 26 | 37 | 10 | 24 | 97 | 7 | 4 |
| 93250 | 74 | 25 | 14 | 39 | 38 | 116 | 15 | 12 |
| 93251 | | | 1 | | | 1 | 3 | 5 |
| 93252 | 1 | | 2 | 5 | 1 | 8 | 1 | |
| 93254 | 2 | 3 | | 5 | | 8 | | 3 |
| 93255 | | | | | | | | |
| 93256 | 18 | 4 | 9 | 7 | 28 | 48 | 4 | 2 |
| 93257 | 505 | 82 | 51 | 77 | 217 | 427 | 78 | 61 |
| 93261 | 9 | | 4 | 9 | 30 | 43 | 8 | 4 |
| 93263 | 103 | 59 | 89 | 127 | 92 | 367 | 85 | 51 |
| 93265 | 10 | 3 | | 5 | 95 | 103 | | 1 |
| 93266 | 18 | 1 | | 2 | 65 | 68 | 2 | 2 |
| 93267 | 6 | 6 | 1 | 3 | 10 | 20 | 5 | 20 |
| 93268 | 9 | 5 | 2 | 3 | 8 | 18 | 3 | 4 |
| 93270 | 13 | 3 | 4 | 10 | 14 | 31 | 6 | 3 |

Attachment B
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 93117 | 86 | 52 | 295 | 83 | 115 | 95 | 32 | 325 | 12,303 |
| 93199 | | | | | | | | | 1 |
| 93201 | | | 2 | 5 | 2 | 3 | 3 | 13 | 256 |
| 93202 | 3 | 3 | 11 | 9 | 2 | 6 | | 17 | 1,306 |
| 93203 | 30 | 38 | 116 | 33 | 67 | 67 | 16 | 183 | 4,961 |
| 93204 | | | 1 | | | | | | 2 |
| 93206 | 1 | 5 | 18 | 1 | 3 | 7 | 1 | 12 | 506 |
| 93212 | 12 | 15 | 51 | 23 | 15 | 12 | 2 | 52 | 4,390 |
| 93215 | 58 | 46 | 224 | 76 | 60 | 88 | 41 | 265 | 11,381 |
| 93216 | | | | | | | | | 1 |
| 93219 | 5 | 2 | 16 | 7 | 9 | 12 | 4 | 32 | 1,962 |
| 93221 | 19 | 20 | 59 | 10 | 23 | 26 | 8 | 67 | 4,421 |
| 93223 | 8 | 11 | 30 | 11 | 10 | 8 | 5 | 34 | 2,938 |
| 93224 | 5 | 1 | 7 | 5 | 3 | 4 | 4 | 16 | 148 |
| 93225 | 14 | 5 | 50 | 11 | 10 | 48 | | 69 | 2,154 |
| 93226 | | | | | | | | | 2 |
| 93227 | 5 | 2 | 7 | 4 | 1 | 3 | | 8 | 390 |
| 93230 | 105 | 161 | 480 | 119 | 122 | 107 | 33 | 381 | 22,228 |
| 93235 | 4 | 1 | 6 | 2 | 8 | 10 | 1 | 21 | 1,273 |
| 93241 | 13 | 12 | 51 | 10 | 8 | 29 | 13 | 60 | 3,695 |
| 93242 | 2 | | 4 | 1 | 1 | 2 | | 4 | 572 |
| 93243 | 4 | 5 | 22 | 7 | | 3 | 2 | 12 | 534 |
| 93245 | 19 | 44 | 207 | 67 | 49 | 28 | 13 | 157 | 9,908 |
| 93247 | 26 | 38 | 86 | 29 | 23 | 70 | 14 | 136 | 4,397 |
| 93249 | 1 | 1 | 13 | 9 | 5 | 4 | 1 | 19 | 586 |
| 93250 | 12 | 10 | 49 | 22 | 26 | 17 | 2 | 67 | 3,296 |
| 93251 | | 1 | 9 | | | | 4 | 4 | 64 |
| 93252 | | 1 | 2 | | | 1 | 2 | 3 | 14 |
| 93254 | 1 | 3 | 7 | | 1 | 5 | | 6 | 257 |
| 93255 | | | | | | | | | 1 |
| 93256 | 4 | 10 | 20 | 7 | 12 | 7 | 6 | 32 | 1,344 |
| 93257 | 99 | 116 | 354 | 84 | 138 | 152 | 79 | 453 | 22,441 |
| 93261 | 1 | 1 | 14 | 2 | 1 | 4 | 3 | 10 | 607 |
| 93263 | 40 | 39 | 215 | 90 | 75 | 71 | 34 | 270 | 6,059 |
| 93265 | 4 | 2 | 7 | 1 | 4 | 10 | 4 | 19 | 546 |
| 93266 | 2 | | 6 | 2 | 2 | | | 4 | 331 |
| 93267 | 11 | 7 | 43 | 3 | 6 | 5 | 4 | 18 | 1,089 |
| 93268 | 3 | 2 | 12 | 2 | 3 | 5 | 2 | 12 | 641 |
| 93270 | 2 | 8 | 19 | 3 | 9 | 8 | 6 | 26 | 1,021 |

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 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 |
|------------|-----------|------------|------|-------|--------|-------|------------|--------|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | |
| Row Labels | 10-12 | | | | | | 1-3 | |
| 93272 | | | | | 1 | 1 | 681 | 69 |
| 93274 | | | 10 | 60 | 51 | 355 | 476 | 13,857 |
| 93276 | | | 3 | 1 | 30 | 33 | 67 | |
| 93277 | | | 16 | 56 | 36 | 33 | 141 | 17,739 |
| 93280 | 20 | 20 | 28 | 2,528 | 2,914 | 68 | 5,538 | 58 |
| 93282 | | | | | | | | |
| 93286 | | | 2 | 9 | 7 | 3 | 21 | 1,988 |
| 93291 | | | 25 | 77 | 91 | 120 | 313 | 14,803 |
| 93292 | | | 7 | 31 | 43 | 47 | 128 | 11,842 |
| 93301 | | | | | | 6 | 6 | |
| 93307 | | | 1 | 10 | 9 | 446 | 466 | 3 |
| 93308 | 11 | 11 | 54 | 65 | 12,531 | 244 | 12,894 | 190 |
| 93309 | 15 | 15 | 23 | 8,698 | 53 | 58 | 8,832 | 49 |
| 93311 | 8 | 8 | 26 | 5,712 | 59 | 89 | 5,886 | 54 |
| 93312 | 13 | 13 | 43 | 67 | 17,559 | 182 | 17,851 | 121 |
| 93313 | | | | | 29 | 1 | 30 | |
| 93314 | 35 | 35 | 93 | 228 | 609 | 5,198 | 6,128 | 137 |
| 93380 | | | | | | | | 1 |
| 93401 | | | | 75 | 79 | 82 | 236 | 47 |
| 93402 | | | | 37 | 24 | 27 | 88 | 35 |
| 93405 | | | | 30 | 27 | 25 | 82 | 19 |
| 93408 | | | | | | | | |
| 93410 | | | | | | | | |
| 93420 | | | 4 | 34 | 42 | 32 | 112 | 49 |
| 93422 | | | 3 | 594 | 102 | 50 | 749 | 100 |
| 93424 | | | | 2 | 4 | 5 | 11 | 2 |
| 93427 | | | 1 | 5 | 3 | 2 | 11 | 7 |
| 93428 | | | | 19 | 19 | 30 | 68 | 24 |
| 93430 | | | | 16 | 19 | 16 | 51 | 12 |
| 93433 | | | | 24 | 21 | 27 | 72 | 17 |
| 93434 | | | 1 | 2 | 1 | | 4 | 9 |
| 93435 | | | | | | 1 | 1 | |
| 93436 | 12 | 12 | 65 | 35 | 42 | 58 | 200 | 70 |
| 93437 | | | | | | | | |
| 93440 | | | 1 | 1 | 6 | 2 | 10 | 2 |
| 93441 | | | | 1 | 2 | 1 | 4 | 3 |
| 93442 | | | | 38 | 57 | 37 | 132 | 33 |
| 93444 | | | 55 | 40 | 34 | 70 | 199 | 47 |
| 93445 | | | | 14 | 9 | 11 | 34 | 12 |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | |
|------------|-------|-----|-------|------------|------|-----|-----|-------|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 93272 | 10 | 4 | 8 | 91 | 3 | 6 | 1 | 6 |
| 93274 | 5,941 | 205 | 161 | 20,164 | 91 | 118 | 121 | 132 |
| 93276 | | | | | | | | 1 |
| 93277 | 331 | 149 | 136 | 18,355 | 32 | 34 | 37 | 68 |
| 93280 | 68 | 22 | 25 | 173 | 18 | 23 | 24 | 30 |
| 93282 | | | | | | | | |
| 93286 | 16 | 9 | 5 | 2,018 | 2 | 8 | 3 | 4 |
| 93291 | 1,150 | 277 | 229 | 16,459 | 126 | 131 | 179 | 178 |
| 93292 | 140 | 101 | 123 | 12,206 | 35 | 48 | 52 | 71 |
| 93301 | | | | | | | | |
| 93307 | 16 | 1 | 4 | 24 | 2 | 4 | 3 | 2 |
| 93308 | 138 | 73 | 58 | 459 | 41 | 38 | 30 | 33 |
| 93309 | 86 | 51 | 69 | 255 | 26 | 28 | 14 | 28 |
| 93311 | 86 | 44 | 57 | 241 | 19 | 19 | 19 | 17 |
| 93312 | 106 | 115 | 93 | 435 | 42 | 85 | 84 | 47 |
| 93313 | 1 | | | 1 | | | | |
| 93314 | 123 | 118 | 138 | 516 | 109 | 143 | 97 | 83 |
| 93380 | | | | 1 | | | | |
| 93401 | 67 | 67 | 72 | 253 | 61 | 88 | 85 | 94 |
| 93402 | 38 | 36 | 37 | 146 | 36 | 60 | 43 | 54 |
| 93405 | 14 | 22 | 21 | 76 | 26 | 42 | 41 | 304 |
| 93408 | | | | | | | | |
| 93410 | | | | | | | | |
| 93420 | 34 | 74 | 38 | 195 | 57 | 43 | 60 | 38 |
| 93422 | 92 | 145 | 63 | 400 | 65 | 59 | 66 | 5,686 |
| 93424 | 3 | | 4 | 9 | 2 | 5 | 5 | 5 |
| 93427 | 4 | 3 | 5 | 19 | 2 | 1 | 9 | 8 |
| 93428 | 35 | 34 | 31 | 124 | 39 | 44 | 35 | 37 |
| 93430 | 15 | 36 | 18 | 81 | 19 | 26 | 24 | 19 |
| 93433 | 18 | 20 | 22 | 77 | 32 | 33 | 29 | 22 |
| 93434 | 6 | | 9 | 24 | 5 | 16 | 13 | 13 |
| 93435 | | | | | | | | |
| 93436 | 56 | 67 | 67 | 260 | 41 | 69 | 120 | 153 |
| 93437 | | | | | | | | |
| 93440 | 3 | | | 5 | | | 10 | 5 |
| 93441 | | 2 | 2 | 7 | 2 | | 5 | 1 |
| 93442 | 39 | 41 | 33 | 146 | 50 | 52 | 56 | 56 |
| 93444 | 45 | 34 | 47 | 173 | 36 | 43 | 81 | 42 |
| 93445 | 15 | 15 | 13 | 55 | 18 | 23 | 9 | 19 |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | | |
|------------------------|------------|-------|-----|-------|--------|------------|--------|-----|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | |
| 93272 | 16 | 5 | | 6 | 4 | 13 | 28 | 2 | 2 |
| 93274 | 462 | 126 | | 114 | 172 | 296 | 708 | 88 | 122 |
| 93276 | 1 | 1 | | | 3 | 1 | 5 | 1 | |
| 93277 | 171 | 58 | | 37 | 63 | 223 | 381 | 35 | 35 |
| 93280 | 95 | 40 | | 57 | 87 | 112 | 296 | 68 | 42 |
| 93282 | | | | 1 | | | 1 | | |
| 93286 | 17 | 7 | | 3 | 12 | 8 | 30 | 6 | 2 |
| 93291 | 614 | 151 | | 149 | 187 | 347 | 834 | 98 | 153 |
| 93292 | 206 | 44 | | 50 | 54 | 163 | 311 | 59 | 86 |
| 93301 | | 1 | | | 1 | | 2 | | |
| 93307 | 11 | 2 | | 2 | 2 | 8 | 14 | 3 | 8 |
| 93308 | 142 | 51 | | 34 | 87 | 109 | 281 | 55 | 47 |
| 93309 | 96 | 33 | | 30 | 116 | 110 | 289 | 56 | 30 |
| 93311 | 74 | 14 | | 21 | 139 | 106 | 280 | 79 | 23 |
| 93312 | 258 | 89 | | 84 | 204 | 238 | 615 | 106 | 78 |
| 93313 | | 1 | | | 3 | 2 | 6 | 5 | |
| 93314 | 432 | 94 | | 108 | 289 | 160 | 651 | 101 | 80 |
| 93380 | | | | | | | | | |
| 93401 | 328 | 9,267 | | 147 | 743 | 129 | 10,286 | 47 | 57 |
| 93402 | 193 | 4,931 | | 47 | 82 | 84 | 5,144 | 34 | 22 |
| 93405 | 413 | 5,414 | | 63 | 112 | 77 | 5,666 | 32 | 29 |
| 93408 | | 7 | | | | | 7 | | |
| 93410 | | | | | | | | | |
| 93420 | 198 | 2,618 | | 5,643 | 122 | 58 | 8,441 | 37 | 63 |
| 93422 | 5,876 | 3,422 | | 531 | 202 | 60 | 4,215 | 38 | 69 |
| 93424 | 17 | 569 | | 3 | 4 | 6 | 582 | 9 | 5 |
| 93427 | 20 | 5 | | 1,568 | 17 | 52 | 1,642 | 48 | 23 |
| 93428 | 155 | 3,296 | | 34 | 50 | 27 | 3,407 | 14 | 21 |
| 93430 | 88 | 1,659 | | 39 | 11 | 17 | 1,726 | 17 | 15 |
| 93433 | 116 | 2,820 | | 2,086 | 188 | 32 | 5,126 | 22 | 35 |
| 93434 | 47 | 5 | | 1,749 | 23 | 29 | 1,806 | 26 | 31 |
| 93435 | | 4 | | | | | 4 | | |
| 93436 | 383 | 192 | | 468 | 16,104 | 184 | 16,948 | 107 | 347 |
| 93437 | | | | | 1 | | 1 | | |
| 93440 | 15 | 5 | | 2 | 558 | 4 | 569 | 7 | 2 |
| 93441 | 8 | 96 | | 264 | | 8 | 368 | 2 | 4 |
| 93442 | 214 | 4,795 | | 68 | 45 | 39 | 4,947 | 45 | 31 |
| 93444 | 202 | 34 | | 5,988 | 68 | 69 | 6,159 | 33 | 46 |
| 93445 | 69 | 12 | | 2,255 | 29 | 24 | 2,320 | 15 | 15 |

Attachment B
 Supplemental Testimony
 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 93272 | 1 | 3 | 8 | 5 | 11 | 5 | 2 | 23 | 849 |
| 93274 | 201 | 161 | 572 | 161 | 193 | 191 | 74 | 619 | 23,001 |
| 93276 | | 1 | 2 | 1 | | | | 1 | 76 |
| 93277 | 94 | 71 | 235 | 55 | 60 | 52 | 10 | 177 | 19,460 |
| 93280 | 50 | 56 | 216 | 50 | 62 | 65 | 224 | 401 | 6,739 |
| 93282 | | | | | | | | | 1 |
| 93286 | 6 | 8 | 22 | 9 | 6 | 20 | 2 | 37 | 2,145 |
| 93291 | 195 | 152 | 598 | 135 | 141 | 139 | 47 | 462 | 19,280 |
| 93292 | 107 | 88 | 340 | 104 | 110 | 113 | 38 | 365 | 13,556 |
| 93301 | | | | | 1 | | | 1 | 9 |
| 93307 | 1 | | 12 | | 5 | 3 | 1 | 9 | 536 |
| 93308 | 35 | 61 | 198 | 54 | 33 | 89 | 9 | 185 | 14,170 |
| 93309 | 24 | 49 | 159 | 37 | 38 | 30 | 17 | 122 | 9,768 |
| 93311 | 39 | 44 | 185 | 39 | 54 | 70 | 76 | 239 | 6,913 |
| 93312 | 66 | 190 | 440 | 88 | 73 | 88 | 19 | 268 | 19,880 |
| 93313 | | | 5 | | 2 | | | 2 | 44 |
| 93314 | 75 | 112 | 368 | 87 | 78 | 85 | 43 | 293 | 8,423 |
| 93380 | | | | | | | | | 1 |
| 93401 | 102 | 68 | 274 | 64 | 145 | 174 | 31 | 414 | 11,791 |
| 93402 | 16 | 13 | 85 | 17 | 14 | 153 | 17 | 201 | 5,857 |
| 93405 | 23 | 36 | 120 | 39 | 336 | 88 | 31 | 494 | 6,851 |
| 93408 | | | | | 1 | 1 | | 2 | 9 |
| 93410 | 1 | | 1 | | | 2 | | 2 | 3 |
| 93420 | 35 | 55 | 190 | 34 | 186 | 308 | 23 | 551 | 9,687 |
| 93422 | 47 | 48 | 202 | 44 | 188 | 85 | 106 | 423 | 11,865 |
| 93424 | 6 | 15 | 35 | 11 | 6 | 78 | 76 | 171 | 825 |
| 93427 | 17 | 23 | 111 | 20 | 7 | 63 | 18 | 108 | 1,911 |
| 93428 | 15 | 19 | 69 | 19 | 13 | 110 | 28 | 170 | 3,993 |
| 93430 | 12 | 13 | 57 | 10 | 10 | 56 | 16 | 92 | 2,095 |
| 93433 | 30 | 6 | 93 | 17 | 22 | 49 | 20 | 108 | 5,592 |
| 93434 | 36 | 33 | 126 | 22 | 3 | 45 | 45 | 115 | 2,122 |
| 93435 | | 1 | 1 | | | 1 | 1 | 2 | 8 |
| 93436 | 81 | 60 | 595 | 31 | 42 | 131 | 41 | 245 | 18,643 |
| 93437 | | | | | 2 | | | 2 | 3 |
| 93440 | 11 | 1 | 21 | 3 | 6 | 5 | 1 | 15 | 635 |
| 93441 | 1 | 2 | 9 | 5 | | 4 | | 9 | 405 |
| 93442 | 37 | 25 | 138 | 18 | 24 | 68 | 174 | 284 | 5,861 |
| 93444 | 86 | 50 | 215 | 37 | 169 | 295 | 66 | 567 | 7,515 |
| 93445 | 12 | 12 | 54 | 4 | 14 | 8 | 8 | 34 | 2,566 |

Attachment B
 Supplemental Testimony
 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes | Qrtr/Year | | 2013 | | | | 2013 Total | 2014 | |
|------------|-----------|------------|------|-----|-------|-------|------------|------|----|
| | 2012 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | | | |
| Row Labels | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | | |
| 93446 | | | | | 58 | 37 | 42 | 137 | 31 |
| 93449 | | | | | 21 | 27 | 10 | 58 | 23 |
| 93451 | | | | | | 1 | | 1 | |
| 93452 | | | | | 5 | | | 5 | 5 |
| 93453 | | | | | 2 | | 6 | 8 | 1 |
| 93454 | 1 | 1 | 16 | 13 | 21 | 22 | 72 | 34 | |
| 93455 | 2 | 2 | 30 | 41 | 29 | 67 | 167 | 72 | |
| 93458 | 1 | 1 | 17 | 22 | 16 | 19 | 74 | 47 | |
| 93460 | | | 4 | 15 | | 4 | 23 | 13 | |
| 93463 | | | 1 | 36 | 15 | 12 | 64 | 32 | |
| 93465 | | | | 11 | 6 | 10 | 27 | 8 | |
| 93501 | | | 2 | 14 | | 6 | 22 | 2 | |
| 93505 | | | 1 | 10 | 9 | 10 | 30 | 10 | |
| 93510 | | | | 23 | 3 | 1 | 27 | 3 | |
| 93532 | | | | | | 2 | 2 | | |
| 93534 | | | 3 | 49 | 28 | 34 | 114 | 64 | |
| 93535 | | | 21 | 100 | 50 | 45 | 216 | 52 | |
| 93536 | | | 4 | 32 | 27 | 28 | 91 | 107 | |
| 93543 | | | | 14 | | 4 | 18 | 6 | |
| 93544 | | | | | | | | | |
| 93550 | | | | 25 | 5 | 52 | 82 | 49 | |
| 93551 | | | 4 | 40 | 8 | 19 | 71 | 153 | |
| 93552 | | | 12 | 27 | 2 | 18 | 59 | 22 | |
| 93560 | | | | 9 | 8 | 7 | 24 | 16 | |
| 93561 | | | 2 | 11 | 6,843 | 277 | 7,133 | 22 | |
| 93590 | | | | | | | | | |
| 93591 | | | | 4 | | 2 | 6 | 2 | |
| 93599 | | | | | | | | | |
| 93607 | | | | | | | | | |
| 93609 | | | | 1 | | 1 | 2 | 8 | |
| 93615 | | | 4 | 2 | 1 | 3 | 10 | 6 | |
| 93616 | | | | 2 | 2 | 2 | 6 | | |
| 93618 | | | 9 | 69 | 37 | 34 | 149 | 37 | |
| 93625 | | | | 2 | 2 | 6 | 10 | 3 | |
| 93630 | | | | | | | | | |
| 93631 | | | 2 | 20 | 12 | 21 | 55 | 15 | |
| 93646 | | | 1 | 1 | 3 | 1 | 6 | 4 | |
| 93647 | | | 1 | 4 | 4 | 3 | 12 | 7 | |
| 93648 | | | 1 | 5 | 13 | 8 | 27 | 14 | |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|-------------------|-------------|------------|--------------|-------------------|-------------|------------|------------|--------------|--|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | |
| 93446 | 68 | 64 | 30 | 193 | 45 | 46 | 51 | 11,532 | |
| 93449 | 17 | 20 | 23 | 83 | 34 | 58 | 66 | 60 | |
| 93451 | | | 3 | 3 | 5 | 7 | 14 | 320 | |
| 93452 | | 1 | 1 | 7 | 2 | | 1 | 7 | |
| 93453 | 2 | | 1 | 4 | 1 | 1 | 5 | 2 | |
| 93454 | 87 | 155 | 74 | 350 | 72 | 55 | 173 | 117 | |
| 93455 | 74 | 49 | 52 | 247 | 40 | 45 | 150 | 153 | |
| 93458 | 53 | 142 | 98 | 340 | 94 | 195 | 148 | 101 | |
| 93460 | 5 | 3 | 3 | 24 | 8 | 4 | 2 | 16 | |
| 93463 | 5 | 16 | 14 | 67 | 8 | 15 | 20 | 26 | |
| 93465 | 6 | 10 | 11 | 35 | 9 | 4 | 13 | 2,282 | |
| 93501 | 2 | 1,529 | 52 | 1,585 | 5 | 17 | 15 | 8 | |
| 93505 | 10 | 6 | 10 | 36 | 3,217 | 50 | 20 | 26 | |
| 93510 | 5 | 1,213 | 21 | 1,242 | 6 | 20 | 10 | 3 | |
| 93532 | | 1 | | 1 | | | | | |
| 93534 | 38 | 52 | 47 | 201 | 46 | 283 | 13,820 | 173 | |
| 93535 | 55 | 62 | 53 | 222 | 65 | 6,903 | 12,012 | 235 | |
| 93536 | 94 | 59 | 44 | 304 | 53 | 9,133 | 10,263 | 154 | |
| 93543 | 24 | 8 | 7 | 45 | 15 | 2,544 | 223 | 98 | |
| 93544 | | | | | | 9 | | | |
| 93550 | 115 | 71 | 37 | 272 | 51 | 3,617 | 9,758 | 7,253 | |
| 93551 | 84 | 61 | 37 | 335 | 59 | 6,509 | 5,261 | 3,377 | |
| 93552 | 14 | 11 | 5 | 52 | 17 | 3,063 | 6,380 | 75 | |
| 93560 | 10 | 5,360 | 68 | 5,454 | 27 | 44 | 24 | 25 | |
| 93561 | 32 | 30 | 18 | 102 | 14 | 23 | 18 | 15 | |
| 93590 | | | | | | 1 | | | |
| 93591 | 2 | 3 | 2 | 9 | 8 | 1,663 | 71 | 55 | |
| 93599 | | | | | | | | | |
| 93607 | | 4 | | 4 | | | | | |
| 93609 | 5 | 835 | 1 | 849 | 4 | 12 | 9 | 8 | |
| 93615 | 1,017 | 17 | 5 | 1,045 | 1 | 1 | 4 | 4 | |
| 93616 | 352 | 14 | 5 | 371 | 2 | | | 2 | |
| 93618 | 6,841 | 81 | 45 | 7,004 | 12 | 32 | 23 | 32 | |
| 93625 | 10 | 118 | 1 | 132 | | | 3 | 1 | |
| 93630 | | | | | | | | | |
| 93631 | 4,446 | 72 | 33 | 4,566 | 8 | 12 | 59 | 19 | |
| 93646 | 2,229 | 27 | 18 | 2,278 | 33 | 3 | 21 | 27 | |
| 93647 | 2,160 | 26 | 9 | 2,202 | 1 | 2 | 5 | 13 | |
| 93648 | 3,150 | 58 | 14 | 3,236 | 14 | 12 | 27 | 10 | |

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 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | |
|------------------------|------------|-------|--------|-------|-------|------------|------|-----|
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 |
| 93446 | 11,674 | 237 | 132 | 371 | 75 | 815 | 50 | 86 |
| 93449 | 218 | 3,873 | 127 | 262 | 42 | 4,304 | 31 | 39 |
| 93451 | 346 | 3 | 1 | | 10 | 14 | 4 | 6 |
| 93452 | 10 | 193 | | 1 | 3 | 197 | 1 | 1 |
| 93453 | 9 | 391 | 2 | 7 | 3 | 403 | 6 | 1 |
| 93454 | 417 | 135 | 9,833 | 364 | 151 | 10,483 | 64 | 49 |
| 93455 | 388 | 65 | 10,945 | 3,107 | 152 | 14,269 | 56 | 209 |
| 93458 | 538 | 67 | 10,445 | 155 | 159 | 10,826 | 57 | 93 |
| 93460 | 30 | 8 | 1,199 | 22 | 29 | 1,258 | 7 | 14 |
| 93463 | 69 | 1,358 | 1,230 | 28 | 27 | 2,643 | 27 | 18 |
| 93465 | 2,308 | 72 | 41 | 28 | 25 | 166 | 17 | 66 |
| 93501 | 45 | 8 | 5 | 5 | 22 | 40 | 11 | 5 |
| 93505 | 3,313 | 21 | 11 | 15 | 27 | 74 | 31 | 6 |
| 93510 | 39 | 8 | 8 | 3 | 29 | 48 | 14 | 7 |
| 93532 | | | | | | | | |
| 93534 | 14,322 | 154 | 130 | 58 | 107 | 449 | 79 | 46 |
| 93535 | 19,215 | 130 | 106 | 116 | 149 | 501 | 87 | 63 |
| 93536 | 19,603 | 89 | 98 | 86 | 162 | 435 | 105 | 86 |
| 93543 | 2,880 | 29 | 36 | 27 | 10 | 102 | 16 | 11 |
| 93544 | 9 | | 2 | | | 2 | | |
| 93550 | 20,679 | 156 | 222 | 116 | 112 | 606 | 84 | 55 |
| 93551 | 15,206 | 110 | 124 | 116 | 179 | 529 | 102 | 68 |
| 93552 | 9,535 | 49 | 31 | 40 | 50 | 170 | 35 | 24 |
| 93560 | 120 | 32 | 21 | 47 | 120 | 220 | 32 | 36 |
| 93561 | 70 | 26 | 25 | 37 | 144 | 232 | 56 | 72 |
| 93590 | 1 | | | | | | | |
| 93591 | 1,797 | 19 | 13 | 13 | 11 | 56 | 9 | 2 |
| 93599 | | | | | 1 | 1 | | |
| 93607 | | | | | | | | |
| 93609 | 33 | 10 | 3 | 10 | 20 | 43 | 8 | 4 |
| 93615 | 10 | 4 | 6 | 4 | 12 | 26 | | 5 |
| 93616 | 4 | 1 | 1 | | 2 | 4 | 2 | 3 |
| 93618 | 99 | 29 | 30 | 27 | 110 | 196 | 31 | 23 |
| 93625 | 4 | 2 | | 2 | 5 | 9 | | |
| 93630 | | | | | 1 | 1 | | |
| 93631 | 98 | 13 | 8 | 24 | 150 | 195 | 18 | 28 |
| 93646 | 84 | 7 | 14 | 8 | 28 | 57 | 6 | 13 |
| 93647 | 21 | 11 | 2 | 9 | 17 | 39 | 2 | 5 |
| 93648 | 63 | 35 | 21 | 26 | 32 | 114 | 9 | 4 |

Attachment B
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|------|-------|------------|------|-----|-----|-------|------------|-------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 93446 | 59 | 69 | 264 | 47 | 135 | 115 | 160 | 457 | 13,540 |
| 93449 | 32 | 25 | 127 | 21 | 55 | 74 | 18 | 168 | 4,958 |
| 93451 | 17 | 5 | 32 | 13 | 11 | 3 | | 27 | 423 |
| 93452 | 5 | 3 | 10 | 1 | 5 | 35 | | 41 | 270 |
| 93453 | 2 | 4 | 13 | 1 | 9 | 19 | 6 | 35 | 472 |
| 93454 | 48 | 60 | 221 | 64 | 47 | 42 | 29 | 182 | 11,726 |
| 93455 | 69 | 42 | 376 | 46 | 57 | 92 | 143 | 338 | 15,787 |
| 93458 | 72 | 77 | 299 | 125 | 195 | 199 | 40 | 559 | 12,637 |
| 93460 | 5 | 10 | 36 | 5 | 8 | 14 | 2 | 29 | 1,400 |
| 93463 | 11 | 15 | 71 | 31 | 12 | 96 | 17 | 156 | 3,070 |
| 93465 | 18 | 24 | 125 | 26 | 62 | 54 | 18 | 160 | 2,821 |
| 93501 | 8 | 5 | 29 | 6 | 5 | 1 | 3 | 15 | 1,736 |
| 93505 | 18 | 8 | 63 | 19 | 15 | 9 | 3 | 46 | 3,562 |
| 93510 | 26 | 9 | 56 | 5 | 7 | 10 | | 22 | 1,434 |
| 93532 | | | | | | | | | 3 |
| 93534 | 70 | 39 | 234 | 49 | 87 | 32 | 15 | 183 | 15,503 |
| 93535 | 142 | 120 | 412 | 228 | 68 | 66 | 28 | 390 | 20,956 |
| 93536 | 257 | 152 | 600 | 90 | 110 | 104 | 13 | 317 | 21,350 |
| 93543 | 17 | 11 | 55 | 10 | 6 | 6 | 6 | 28 | 3,128 |
| 93544 | | | | | | | | | 11 |
| 93550 | 139 | 75 | 353 | 51 | 50 | 50 | 30 | 181 | 22,173 |
| 93551 | 250 | 50 | 470 | 51 | 58 | 69 | 12 | 190 | 16,801 |
| 93552 | 41 | 16 | 116 | 58 | 28 | 18 | 7 | 111 | 10,043 |
| 93560 | 53 | 26 | 147 | 33 | 54 | 17 | 6 | 110 | 6,075 |
| 93561 | 40 | 25 | 193 | 33 | 59 | 29 | 14 | 135 | 7,865 |
| 93590 | | | | | | | | | 1 |
| 93591 | 9 | 5 | 25 | 5 | 3 | 2 | 1 | 11 | 1,904 |
| 93599 | | | | | | | | | 1 |
| 93607 | | | | | | | | | 4 |
| 93609 | 7 | 5 | 24 | 8 | 7 | | 1 | 16 | 967 |
| 93615 | 2 | 3 | 10 | 1 | 4 | 8 | 3 | 16 | 1,117 |
| 93616 | 6 | 5 | 16 | | 4 | 6 | 1 | 11 | 412 |
| 93618 | 42 | 39 | 135 | 31 | 127 | 57 | 28 | 243 | 7,826 |
| 93625 | 1 | | 1 | 1 | | | | 1 | 157 |
| 93630 | | | | | | | | | 1 |
| 93631 | 16 | 16 | 78 | 7 | 16 | 23 | 6 | 52 | 5,044 |
| 93646 | 14 | 5 | 38 | 1 | 6 | 15 | | 22 | 2,485 |
| 93647 | 5 | 4 | 16 | 6 | 6 | 8 | 3 | 23 | 2,313 |
| 93648 | 10 | 6 | 29 | 10 | 16 | 22 | 10 | 58 | 3,527 |

Attachment B
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2012 | | 2013 | | | | 2013 Total | 2014 | |
|------------------------|-------------------|---------------|---------------|----------------|----------------|----------------|------------------|----------------|----|
| | Qtr/Year 10-12 | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | 1-3 | | |
| 93652 | | | | | | | | | |
| 93654 | | | | | 28 | 19 | 25 | 72 | 26 |
| 93656 | | | | | 1 | 7 | 6 | 14 | 7 |
| 93657 | | | | | | | | | |
| 93660 | | | | | | | | | |
| 93662 | | | | 5 | 3 | 10 | 8 | 26 | 5 |
| 93666 | | | | 1 | | 1 | | 2 | |
| 93670 | | | | | | | | | 1 |
| 93673 | | | | | 2 | | 1 | 3 | 1 |
| 93706 | | | | | 1 | | | 1 | 1 |
| 93725 | | | | | | | | | 4 |
| 95227 | | | | | | | | | |
| NULL | | | | | - | - | - | - | |
| Grand Total | 21,166 | 21,166 | 99,801 | 235,265 | 335,036 | 340,109 | 1,010,211 | 413,453 | |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | |
|--------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|----------------|
| Row Labels | 2014 | | | 2014 Total | 2015 | | | |
| | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 |
| 93652 | | 47 | 8 | 55 | 8 | | | 1 |
| 93654 | 7,342 | 169 | 32 | 7,569 | 16 | 16 | 17 | 25 |
| 93656 | 3 | 1,294 | 6 | 1,310 | 9 | 6 | 6 | 4 |
| 93657 | | | | | | | | 1 |
| 93660 | | 4 | | 4 | 4 | | | |
| 93662 | 981 | 225 | 9 | 1,220 | 6 | 3 | 5 | 7 |
| 93666 | 123 | 4 | | 127 | | | | |
| 93670 | 33 | 1 | 1 | 36 | | | | |
| 93673 | 170 | 4 | | 175 | | 1 | | 2 |
| 93706 | | 185 | 2 | 188 | | | 1 | 1 |
| 93725 | 2 | 204 | 1 | 211 | 1 | | 2 | 1 |
| 95227 | | | | | | | | |
| NULL | - | | | - | | | - | |
| Grand Total | 470,217 | 481,869 | 317,531 | 1,683,070 | 368,213 | 416,920 | 408,337 | 434,493 |

Attachment B
 Supplemental Testimony
 A.17-10-002
 November 28, 2018
 SoCalGas AMI Installations by Zip Code

| ZipCodes | | | | | | | | | |
|--------------------|-------------------|----------------|----------------|----------------|----------------|-------------------|---------------|---------------|--|
| Row Labels | 2015 Total | 2016 | | | | 2016 Total | 2017 | | |
| | | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | |
| 93652 | 9 | 1 | 1 | 5 | 7 | 14 | 1 | 1 | |
| 93654 | 74 | 25 | 17 | 32 | 59 | 133 | 20 | 12 | |
| 93656 | 25 | 8 | 5 | 19 | 29 | 61 | 4 | 2 | |
| 93657 | 1 | | | | | | | | |
| 93660 | 4 | | | | | | | | |
| 93662 | 21 | 4 | 11 | 5 | 14 | 34 | 2 | 2 | |
| 93666 | | | 3 | | 4 | 7 | | | |
| 93670 | | | | | 1 | 1 | | | |
| 93673 | 3 | 3 | | 1 | 2 | 6 | 4 | 1 | |
| 93706 | 2 | | | | 6 | 6 | | 1 | |
| 93725 | 4 | 1 | 4 | 2 | | 7 | 1 | 1 | |
| 95227 | | | | | | | | | |
| NULL | - | - | - | - | - | - | | | |
| Grand Total | 1,627,963 | 435,717 | 415,178 | 271,280 | 137,159 | 1,259,334 | 88,074 | 66,180 | |

Attachment B
 Supplemental Testimony
 A.17-10-002

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SoCalGas AMI Installations by Zip Code

| ZipCodes Row Labels | 2017 | | 2017 Total | 2018 | | | | 2018 Total | Grand Total |
|------------------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|------------------|
| | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 93652 | 1 | 1 | 4 | | | 2 | 1 | 3 | 85 |
| 93654 | 17 | 16 | 65 | 18 | 19 | 33 | 4 | 74 | 7,987 |
| 93656 | 9 | 5 | 20 | 10 | 7 | 6 | 4 | 27 | 1,457 |
| 93657 | | | | | 1 | | | 1 | 2 |
| 93660 | 1 | 1 | 2 | 2 | 1 | 2 | | 5 | 15 |
| 93662 | 4 | 3 | 11 | 3 | 5 | 4 | 1 | 13 | 1,325 |
| 93666 | | | | | | 1 | | 1 | 137 |
| 93670 | | | | | | | | | 37 |
| 93673 | | 1 | 6 | | | 11 | 4 | 16 | 209 |
| 93706 | | 3 | 4 | 3 | 2 | 1 | 2 | 8 | 209 |
| 93725 | | 1 | 3 | | 3 | 1 | 1 | 5 | 230 |
| 95227 | | | | | 1 | | | 1 | 1 |
| NULL | | | | | - | - | - | - | - |
| Grand Total | 36,155 | 27,314 | 217,723 | 29,715 | 40,202 | 48,246 | 23,181 | 141,344 | 5,960,811 |

ATTACHMENT C

Attachment C
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Climate Zone

| ClimateZones | 2012 | | 2013 | | | | 2013 Total |
|--------------------|---------------|---------------|---------------|----------------|----------------|----------------|------------------|
| | Qtr/Year | 2012 Total | 1-3 | 4-6 | 7-9 | 10-12 | |
| Row Labels | 10-12 | | | | | | |
| 1 | 21,148 | 21,148 | 99,408 | 232,976 | 325,469 | 293,532 | 951,385 |
| 2 | 18 | 18 | 376 | 2,273 | 8,679 | 46,040 | 57,368 |
| 3 | | | 17 | 16 | 888 | 537 | 1,458 |
| Grand Total | 21,166 | 21,166 | 99,801 | 235,265 | 335,036 | 340,109 | 1,010,211 |

Attachment C
 Supplemental Testimony
 A.17-10-002

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SoCalGas AMI Installations by Climate Zone

| ClimateZones | | | | | | | | | | | |
|---------------------|----------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|----------------|-------------------|--|
| | 2014 | | | | 2014 Total | 2015 | | | | 2015 Total | |
| Row Labels | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 1 | 330,964 | 402,740 | 461,545 | 314,657 | 1,509,906 | 362,927 | 381,000 | 347,981 | 400,497 | 1,492,405 | |
| 2 | 82,428 | 67,409 | 20,266 | 2,792 | 172,895 | 5,236 | 35,868 | 60,281 | 33,925 | 135,310 | |
| 3 | 61 | 68 | 58 | 82 | 269 | 50 | 52 | 75 | 71 | 248 | |
| Grand Total | 413,453 | 470,217 | 481,869 | 317,531 | 1,683,070 | 368,213 | 416,920 | 408,337 | 434,493 | 1,627,963 | |

Attachment C
 Supplemental Testimony
 A.17-10-002

November 28, 2018

SoCalGas AMI Installations by Climate Zone

| ClimateZones | | | | | | | | | | | |
|---------------------|----------------|----------------|----------------|----------------|-------------------|---------------|---------------|---------------|---------------|-------------------|--|
| | 2016 | | | | 2016 Total | 2017 | | | | 2017 Total | |
| Row Labels | 1-3 | 4-6 | 7-9 | 10-12 | | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 1 | 389,798 | 355,796 | 230,562 | 128,581 | 1,104,737 | 85,574 | 63,132 | 32,624 | 24,544 | 205,874 | |
| 2 | 45,871 | 53,092 | 24,875 | 5,964 | 129,802 | 2,400 | 2,915 | 3,256 | 2,673 | 11,244 | |
| 3 | 48 | 6,290 | 15,843 | 2,614 | 24,795 | 100 | 133 | 275 | 97 | 605 | |
| Grand Total | 435,717 | 415,178 | 271,280 | 137,159 | 1,259,334 | 88,074 | 66,180 | 36,155 | 27,314 | 217,723 | |

Attachment C
 Supplemental Testimony
 A.17-10-002
 November 28, 2018

SoCalGas AMI Installations by Climate Zone

| ClimateZones | | | | | | |
|--------------------|---------------|---------------|---------------|---------------|----------------|------------------|
| Row Labels | 2018 | | | | 2018 Total | Grand Total |
| | 1-3 | 4-6 | 7-9 | 10-12 | | |
| 1 | 27,095 | 36,379 | 43,896 | 21,317 | 128,687 | 5,414,142 |
| 2 | 2,494 | 3,675 | 4,186 | 1,827 | 12,182 | 518,819 |
| 3 | 126 | 148 | 164 | 37 | 475 | 27,850 |
| Grand Total | 29,715 | 40,202 | 48,246 | 23,181 | 141,344 | 5,960,811 |