

Application of SOUTHERN CALIFORNIA GAS )  
COMPANY for authority to update its gas revenue )  
requirement and base rates )  
effective January 1, 2019 (U 904-G) )

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Application No. 17-10-008  
Exhibit No: (SCG-41-WP-2R)

SECOND REVISED  
WORKPAPERS TO  
PREPARED DIRECT TESTIMONY  
OF ANNETTE M. STEFFEN  
ON BEHALF OF SOUTHERN CALIFORNIA GAS COMPANY  
  
BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA

April 6, 2018



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39 total tabs (not pages)

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| SOUTHERN CALIFORNIA GAS COMPANY |  |  |                      |                |                |                |                |               |                      |               |              |                    |                |               |               |
|---------------------------------|--|--|----------------------|----------------|----------------|----------------|----------------|---------------|----------------------|---------------|--------------|--------------------|----------------|---------------|---------------|
| MISCELLANEOUS REVENUES          |  |  |                      |                |                |                |                |               |                      |               |              |                    |                |               |               |
| SUMMARY                         |  |  |                      |                |                |                |                |               |                      |               |              |                    |                |               |               |
| Thousand of Dollars (\$)        |  |  |                      |                |                |                |                |               |                      |               |              |                    |                |               |               |
| Testimony Item #                | Activities   | G/L Account Description                      | FORECAST METHODOLOGY |                |                |                |                |               | FORECAST GROWTH RATE |               |              | SUMMARY OF RESULTS |                |               |               |
|                                 |  |  | 2012                 | 2013           | 2014           | 2015           | 2016           | AVG*          | 2017                 | 2018          | 2019         | 2016 Rec           | 2017 Est       | 2018 Est      | 2019 TY       |
|                                 | <b>Miscellaneous Service Revenues</b>                        | <b>488</b>                                   |                      |                |                |                |                |               |                      |               |              |                    |                |               |               |
| 1                               | Service Establishment Charges (SEC)                          | Service Establishment Charges                | 24,049               | 23,335         | 21,851         | 21,416         | 21,574         | 22,445        | -2.0%                | -1.9%         | 0.0%         | 21,574             | 21,140         | 20,749        | 0             |
| 2                               | AMI Opt Out Fee  | Opt Out Fee                                  | 0                    | 0              | 0              | 0              | 0              | 0             | 0.0%                 | 0.0%          | 0.0%         | 0                  | 3,240          | 2,521         | 1,054         |
| 3                               | Reconnection Charge  | Misc Svcs Rev Reconnect Charge               | 1,298                | 1,396          | 1,250          | 1,493          | 1,797          | 1,513         | 0.0%                 | 0.0%          | 0.0%         | 1,797              | 1,513          | 1,513         | 1,513         |
| 4                               | Residential Parts Program                                    | Residential Limited Parts Program            | 1,932                | 1,948          | 2,063          | 2,416          | 2,539          | 0             | 12.2%                | 1.0%          | 0.5%         | 2,539              | 2,848          | 2,875         | 2,889         |
| 5                               | Commercial Parts Program                                     | Rev From Comm Parts Sales                    | 2,804                | 2,840          | 2,988          | 3,431          | 3,535          | 0             | 12.5%                | 0.7%          | 0.8%         | 3,535              | 3,976          | 4,005         | 4,037         |
| 6                               | Connect Appliance Program                                    | Revs From Appl Connection Svc                | 99                   | 79             | 76             | 78             | 87             | 0             | 24.5%                | 0.7%          | 0.8%         | 87                 | 109            | 110           | 110           |
| 7                               | Natural Gas Vehicle Maintenance                              | Rev from Cust Owned NGV Station Maint        | 87                   | 91             | 84             | 101            | 131            | 99            | 0.0%                 | 0.0%          | 0.0%         | 131                | 99             | 99            | 99            |
| 8                               | Pipeline Services  | Pipeline Services Revenue                    | 13                   | 80             | 76             | 51             | 78             | 60            | 0.0%                 | 0.0%          | 0.0%         | 78                 | 60             | 60            | 60            |
| 9                               | Late Payment Charges (Non-Residential)                       | Rev From Late Pmt Chrg                       | 460                  | 479            | 584            | 572            | 510            | 521           | 0.0%                 | 0.0%          | 0.0%         | 510                | 521            | 521           | 521           |
| 10                              | Other Customer Service Revenues                              | Revenue from Set Time Appt Svc Chrg          | 54                   | 48             | 41             | 59             | 87             | 0             | 6.8%                 | 0.8%          | 0.4%         | 87                 | 93             | 93            | 94            |
|                                 |  | Rev Fr Airqual Prog Hndbk & Smnar            | 5                    | -5             | 0              | 0              | 0              | 0             | 0.0%                 | 0.0%          | 0.0%         | 0                  | 0              | 0             | 0             |
|                                 |  | Rev for Seismic Services                     | 3                    | 2              | 6              | 3              | 6              | 0             | 23.1%                | 0.7%          | 0.8%         | 6                  | 7              | 7             | 7             |
|                                 |  | Rev for Seismic Restores                     | 316                  | 318            | 352            | 421            | 444            | 0             | 14.9%                | 0.8%          | 0.8%         | 444                | 510            | 514           | 518           |
|                                 |  | Rev for Non-Seismic Restores                 | 11                   | 12             | 24             | 19             | 18             | 0             | 7.0%                 | 1.6%          | 0.4%         | 18                 | 19             | 20            | 20            |
|                                 | <b>Sub-Total</b>   |  | <b>31,131</b>        | <b>30,623</b>  | <b>29,394</b>  | <b>30,059</b>  | <b>30,806</b>  | <b>24,638</b> | <b>98.9%</b>         | <b>4.5%</b>   | <b>4.5%</b>  | <b>30,806</b>      | <b>34,135</b>  | <b>33,087</b> | <b>10,921</b> |
|                                 | <b>Rent From Gas Property</b>                                | <b>493</b>                                   |                      |                |                |                |                |               |                      |               |              |                    |                |               |               |
| 11                              | Rent from Property Used in Operations                        | Goleta Lease Fees                            | 57                   | 63             | 59             | 58             | 58             | 59            | 5.2%                 | 3.9%          | 2.5%         | 58                 | 61             | 63            | 65            |
|                                 |  | Aliso Rental for Telecom Sites               | 203                  | 246            | 219            | 227            | 225            | 224           | 4.0%                 | 2.8%          | 3.6%         | 225                | 234            | 240           | 249           |
|                                 |  | Rents for Prop Use - Non-tariff Gas          | 219                  | 287            | 323            | 374            | 188            | 278           | -0.4%                | -9.4%         | 3.1%         | 188                | 187            | 169           | 175           |
|                                 | <b>Sub-Total</b>   |  | <b>479</b>           | <b>596</b>     | <b>601</b>     | <b>659</b>     | <b>471</b>     | <b>561</b>    | <b>8.8%</b>          | <b>-2.7%</b>  | <b>9.2%</b>  | <b>471</b>         | <b>482</b>     | <b>473</b>    | <b>489</b>    |
|                                 | <b>Other Gas Revenues</b>                                    | <b>495</b>                                   |                      |                |                |                |                |               |                      |               |              |                    |                |               |               |
| 12                              | Shared Assets (after BUCU reallocation)                      | Shared Assets Revenue - Gas Distrib          | 40,054               | 49,856         | 50,351         | 52,995         | 54,576         | 49,567        | -12.8%               | -0.2%         | 14.6%        | 54,576             | 47,589         | 47,481        | 54,398        |
| 13                              | Crude Oil Sales  | Honor Rancho Oil Rev                         | 9,219                | 5,401          | 3,574          | 3,092          | 1,711          | 4,599         | -45.1%               | 7.6%          | 96.5%        | 1,711              | 939            | 1,010         | 1,985         |
|                                 |  | Aliso Shallow Zone                           | 2,415                | 4,472          | 5,012          | 1,741          | 909            | 2,910         | 17.4%                | -2.0%         | 0.2%         | 909                | 1,067          | 1,046         | 1,048         |
|                                 |  | Aliso PEOC                                   | 316                  | 383            | 268            | 304            | 95             | 273           | -97.9%               | 450.0%        | 0.0%         | 95                 | 2              | 11            | 11            |
|                                 |  | PECO Oil & Gas LLC, et al                    | 3,154                | 1,880          | 2,617          | 1,140          | 737            | 1,906         | 1.0%                 | 8.2%          | -2.4%        | 737                | 745            | 806           | 787           |
|                                 |  | Administrative Fee For PDR PECO Oil & Gas    | 15                   | 15             | 15             | 15             | 15             | 15            | 0.0%                 | 0.0%          | 0.0%         | 15                 | 15             | 15            | 15            |
| 14                              | Storage Engineering Emission Credits                         | Goleta Chevron Emissions Credits             | 767                  | 1,023          | 1,023          | 1,023          | 1,023          | 1,023         | 0.0%                 | 0.0%          | 0.0%         | 1,023              | 1,023          | 1,023         | 1,023         |
| 15                              | Returned Check Charge  | Returned Check Charges                       | 492                  | 463            | 450            | 494            | 557            | 496           | 0.0%                 | 0.0%          | 0.0%         | 557                | 496            | 496           | 496           |
| 16                              | Income Tax Component of Contributions-in-Aid-of-Construction | Amortization of ITCCA                        | 4,387                | 3,211          | 3,390          | 3,624          | 3,871          | 3,697         | 18.2%                | 21.2%         | 13.6%        | 3,871              | 4,574          | 5,544         | 6,297         |
| 17                              | Training Activity  | Sundry Trng Labor                            | 146                  | 166            | 223            | 260            | 270            | 213           | 10.4%                | 7.9%          | 7.3%         | 270                | 298            | 321           | 345           |
|                                 |  | Sundry Trng Materials                        | 66                   | 84             | 110            | 127            | 145            | 107           | 11.9%                | 10.7%         | 9.7%         | 145                | 163            | 180           | 197           |
| 18                              | Line Item Billing  | Line Item Billing Third Party Revenues       | 75                   | 63             | 58             | 56             | 59             | 62            | -12.9%               | 20.4%         | 0.0%         | 59                 | 54             | 65            | 65            |
|                                 |  | Line Item Billing Non-Tariff Third Party Rev | 635                  | 1,118          | 2,373          | 4,267          | 5,083          | 2,695         | 105.5%               | -20.0%        | -83.3%       | 5,083              | 5,539          | 4,431         | 739           |
| 19                              | Federal Energy Retrofit Program (FERP)                       | Other Rev Gas - Federal Proj Mgmt            | 860                  | 753            | 530            | 726            | 366            | 647           | -80.0%               | 97.9%         | -56.3%       | 366                | 130            | 257           | 112           |
| 20                              | Miscellaneous Other Gas Revenues                             | Geographic Services                          | 73                   | 80             | 78             | 88             | 88             | 85            | -3.7%                | 0.0%          | 0.0%         | 88                 | 85             | 85            | 85            |
|                                 |  | Gas Land Services Right Of Way Revenue       | 13                   | 13             | 11             | 20             | 10             | 14            | 34.8%                | 0.0%          | 0.0%         | 10                 | 14             | 14            | 14            |
|                                 |  | Aliso Crimson                                | 63                   | 77             | 75             | 73             | 69             | 71            | -13.2%               | 0.0%          | 0.0%         | 69                 | 60             | 60            | 60            |
|                                 |  | Aliso Termo                                  | 43                   | 45             | 44             | 40             | 34             | 41            | 7.3%                 | 0.0%          | 0.0%         | 34                 | 36             | 36            | 36            |
|                                 |  | Aliso Road Access Fees                       | 2                    | 10             | 10             | 11             | 8              | 8             | 200.0%               | 0.0%          | 0.0%         | 8                  | 24             | 24            | 24            |
|                                 |  | Aliso Canyon Reclaim Trading Credits         | 0                    | 7              | 20             | 0              | 97             | 25            | -100.0%              | 0.0%          | 0.0%         | 97                 | 0              | 0             | 657           |
| 21                              | Microwave Bandwidth Lease Revenue                            | Microwave Bandwidth Lease Revenue            | 27                   | 40             | 27             | 24             | 31             | 30            | 0.0%                 | 0.0%          | 0.0%         | 31                 | 30             | 30            | 30            |
| 22                              | Ownership Charges  | Unrefunded CAC Balance                       | 4,462                | 4,968          | 4,828          | 4,450          | 3,270          | 4,183         | -14.9%               | -5.1%         | -3.1%        | 3,270              | 3,561          | 3,379         | 3,276         |
|                                 | <b>Sub-Total</b>   |  | <b>67,284</b>        | <b>74,128</b>  | <b>75,088</b>  | <b>74,571</b>  | <b>73,024</b>  | <b>72,666</b> | <b>26.1%</b>         | <b>596.5%</b> | <b>-3.1%</b> | <b>73,024</b>      | <b>66,442</b>  | <b>66,313</b> | <b>71,700</b> |
|                                 | <b>Other Adjustments</b>                                     |  |                      |                |                |                |                |               |                      |               |              |                    |                |               |               |
| 23                              | Gain on Sale of Property                                     |  | 0                    | 0              | 0              | 0              | 0              | 0             | 0.0%                 | 0.0%          | 0.0%         | 0                  | 0              | 0             | 0             |
|                                 | <b>Sub-Total</b>   |  | <b>0</b>             | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>      | <b>0.0%</b>          | <b>0.0%</b>   | <b>0.0%</b>  | <b>0</b>           | <b>0</b>       | <b>0</b>      | <b>0</b>      |
|                                 | <b>Grand Total (Including Shared Assets and ITCC)</b>        |  | <b>98,894</b>        | <b>105,347</b> | <b>105,084</b> | <b>105,289</b> | <b>104,300</b> | <b>97,865</b> | <b>133.8%</b>        | <b>598.4%</b> | <b>10.5%</b> | <b>104,300</b>     | <b>101,059</b> | <b>99,874</b> | <b>83,110</b> |
|                                 | <b>Grand Total Excluding ITCCA</b>                           |  | <b>94,507</b>        | <b>102,136</b> | <b>101,694</b> | <b>101,665</b> | <b>100,429</b> | <b>94,168</b> | <b>115.7%</b>        | <b>577.2%</b> | <b>-3.1%</b> | <b>100,429</b>     | <b>96,486</b>  | <b>94,330</b> | <b>76,813</b> |
|                                 | <b>Grand Total Excluding Shared Assets</b>                   |  | <b>58,840</b>        | <b>55,491</b>  | <b>54,733</b>  | <b>52,293</b>  | <b>49,724</b>  | <b>48,298</b> | <b>146.6%</b>        | <b>598.6%</b> | <b>-4.1%</b> | <b>49,724</b>      | <b>53,470</b>  | <b>52,393</b> | <b>28,713</b> |
| *                               | <i>If applicable, 3 to 5 Year Average - see workpapers</i>   |  |                      |                |                |                |                |               |                      |               |              |                    |                |               |               |



**Southern California Gas Company**

**Miscellaneous Revenues**

**TAB 1: FERC ACCOUNT 488 SERVICE ESTABLISHMENT CHARGES (SEC) FORECAST**

**Account Description**

The currently authorized SEC fee is \$25 for all customers, except for electric generation and wholesale customers, which is to establish gas service pursuant to SoCalGas' California Public Utilities Commission ("Commission" or "CPUC")-approved Tariff Rule 10.

**SEC Historical Data**

GL Accounts 4330003, 4330031 and CARE Discount

|       | Actual        |               |               |               |               | Percentage change from year to year |           |           |           |
|-------|---------------|---------------|---------------|---------------|---------------|-------------------------------------|-----------|-----------|-----------|
|       | 2012          | 2013          | 2014          | 2015          | 2016          | 2012-2013                           | 2013-2014 | 2014-2015 | 2015-2016 |
| Total | \$ 24,048,757 | \$ 23,335,261 | \$ 21,851,453 | \$ 21,415,950 | \$ 21,573,657 | -3.1%                               | -6.8%     | -2.0%     | 0.7%      |

**Forecast Methodology**

The SEC forecast is based on the historical 2012 through 2016 trends with 2016 recorded as the base, while adjusting for annual customer growth rate

4-Year average % historical trends ( ( 2016 actual - 2012 actual ) / 2012 actual ) / 4 year

|                                    |  |  |  | Forecast |        |        |          |
|------------------------------------|--|--|--|----------|--------|--------|----------|
|                                    |  |  |  | 2017     | 2018   | 2019   |          |
| Customer growth rate               |  |  |  | 0.56%    | 0.72%  | 0.78%  | CGR 2017 |
| 4-year average % historical trends |  |  |  | -2.57%   | -2.57% | -2.57% |          |
| Net % change year-over-year        |  |  |  | -2.01%   | -1.85% | -1.79% |          |

Forecast Revenue = ( ( 2016 volume base year X net % change year-over year ) +2016 volume base year ) X \$ 25

|              | Actual        |               |               |               |               | Forecast      |               |         |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------|
|              | 2012          | 2013          | 2014          | 2015          | 2016          | 2017          | 2018          | 2019    |
| Revenue      | \$ 24,048,757 | \$ 23,335,261 | \$ 21,851,453 | \$ 21,415,950 | \$ 21,573,657 | \$ 21,140,250 | \$ 20,749,067 |         |
|              | \$ 25         | \$ 25         | \$ 25         | \$ 25         | \$ 25         | \$ 25         | \$ 25         | \$ 25   |
| Volume       | 961,950       | 933,410       | 874,058       | 856,638       | 862,946       | 845,610       | 829,963       | 815,094 |
| In thousands | 24,049        | 23,335        | 21,851        | 21,416        | 21,574        |               |               |         |

| SOUTHERN CALIFORNIA GAS COMPANY  |  |   |                               |  |  |             |             |             |             |                      |     |
|--|--|---|-------------------------------|--|--|-------------|-------------|-------------|-------------|----------------------|-----|
| MISCELLANEOUS REVENUES   |  |   |                               |  |  |             |             |             |             |                      |     |
| TAB 2: FERC ACCOUNT 488 Advanced Meter Opt Out Fee   |  |   |                               |  |  |             |             |             |             |                      |     |
| <b>A. Account Description: # 2 Advanced Meter Opt Out Fee</b>  |  |   |                               |  |  |             |             |             |             |                      |     |
| The AMI Opt Fee is requested to continue the existing fee structure that would otherwise expire. The fee is applicable for a period of 3-years from the date the residential customer enrolls in the Opt-Out Program |  |   |                               |  |  |             |             |             |             |                      |     |
| <b>B. Forecast Methodology</b>   |  |   |                               |  |  |             |             |             |             |                      |     |
| Includes active opt-out customers and a 3-year average of future opt-out customers as well as the customer service order count trend forecasts   |  |   |                               |  |  |             |             |             |             |                      |     |
|  |  |   |                               |  | <u>2012</u>                                | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>4 YR AVG</u>      | *** |
|  |  |   |                               |  |  |             |             |             |             |                      |     |
|  |  |   |                               |  |  | <u>2017</u> | <u>2018</u> | <u>2019</u> |             |                      |     |
|  |  |   |                               |  | <b>Forecast Growth Rate</b>                |             | -22.2%      | -58.2%      |             |                      |     |
|  |  |   |                               |  | <b>FORECAST = 3 Year Avg x Growth Rate</b> | 3,240       | 2,521       | 1,054       |             |                      |     |
| <b>C. Summary of Results</b>   |  |   |                               |  |  |             |             |             |             |                      |     |
|  |  | <b>Line</b>   | <b>Miscellaneous Revenues</b> |  |  |             |             |             |             | <b>Total (\$000)</b> |     |
|  |  | 1.  | 2016 Actual                   |  |  |             |             |             |             |                      |     |
|  |  | 2.  | 2017 Estimated                |  |  |             |             |             |             | 3,240                |     |
|  |  | 3.  | 2018 Estimated                |  |  |             |             |             |             | 2,521                |     |
|  |  | 4.  | 2019 Test Year                |  |  |             |             |             |             | 1,054                |     |
| ***  |  | Historical revenues not available for the forecast. |                               |  |  |             |             |             |             |                      |     |

**SOUTHERN CALIFORNIA GAS COMPANY**  
**MISCELLANEOUS REVENUES**  
**TAB 2a: FERC ACCOUNT 488 AMI OPT OUT FEE FORECAST**

Subject: RE: Opt-Out August Outlook 2017

Hi all,

I'm attaching the updated Outlook for Opt-Out below. There are a few key adjustments that are included with this outlook (see bullet pts.). I'll be glad to schedule some time to review it further if needed. Thanks!

- The updated 5-year Outlook is more in line with our previous 5-year Outlook in 2016
  - The May 2017 Outlook did not include MVRs Bill Read Orders in the actuals for the early portion of 2017. This is a lower volume activity, but it has been added back into the forecast. As a result, the updated forecast is more reflective of the 5-year Outlook that was submitted in 2016.
- The number of Active Opt-Out customers was also updated with the latest actuals in the new forecast
- We received the updated 2017 forecast from the Customer Contact Center (we included the 3-year average for future years)
- We also received the updated SCG Order Counts from Jim Guillet for 2016 and 2017 that is included in the new forecast (trend % used for activity "order" based enrollments/un-enrollments – lower volume)
- We have updated the 2017 average time that it takes the field to complete the Bill Read Orders to calculate more accurate FTE information
- In August 2020, there will no longer be any marginal (major) revenues received from customers paying the monthly Opt-Out fees as a result of the 3-year limitation (high-lighted in blue).

**REVENUE FORECAST COMPARISON**

|      | Aug 2016<br>Original<br>Forecast | 5/26<br>Updated<br>Forecast | Difference | 7/13 Updated<br>Forecast | Difference |
|------|----------------------------------|-----------------------------|------------|--------------------------|------------|
|      | \$000                            | \$000                       | \$000      | \$000                    | \$000      |
|      | A                                | B                           | C = B - A  | D                        | E = D - B  |
| 2017 | \$ 3,314                         | \$ 2,999                    | \$ (315)   | \$ 3,240                 | \$ 241     |
| 2018 | \$ 2,486                         | \$ 2,240                    | \$ (246)   | \$ 2,521                 | \$ 281     |
| 2019 | \$ 892                           | \$ 1,283                    | \$ 391     | \$ 1,054                 | \$ (229)   |

**BILL READ ORDER FORECAST COMPARISON**

**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 3: FERC ACCOUNT 488 RECONNECTION CHARGE FORECAST**

**A. Account Description: # 3 Reconnection Charge**

The Reconnection Charge is \$16.00 to re-establish service subsequent to the closing of a customer account for non-payment pursuant to SoCalGas Tariff Schedule/Rule 10.

**B. Forecast Methodology**

The 2019 estimate is based on a three year historical average (2014-2016) adjusted for the annual growth rates for non-pay turn-on orders for the period 2017-2019. A three year historical average was adopted to reflect increased Field activity in 2016 and a sustained Field activity at a slightly decreased level.

|                                      | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>3 YR AVG</u> |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-----------------|
| <i>Misc Svs Rev Reconnect Charge</i> | 1,298       | 1,396       | 1,250       | 1,493       | 1,797       | 1,513           |

|                             | <u>2017</u> | <u>2018</u> | <u>2019</u> |
|-----------------------------|-------------|-------------|-------------|
| <b>Forecast Growth Rate</b> | 0.0%        | 0.0%        | 0.0%        |

|  |       |       |       |
|--|-------|-------|-------|
| <b>FORECAST = 3 Year Avg x Growth Rate</b> | 1,513 | 1,513 | 1,513 |
|--|-------|-------|-------|

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | 2016 Actual                   | 1,797                |
| 2.          | 2017 Estimated                | 1,513                |
| 3.          | 2018 Estimated                | 1,513                |
| 4.          | 2019 Test Year                | 1,513                |

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| SOUTHERN CALIFORNIA GAS COMPANY              |           |           |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MISCELLANEOUS REVENUES                       |           |           |           |           |           |           |           |
| TAB 3A: FERC ACCOUNT 488 RECONNECTION CHARGE |           |           |           |           |           |           |           |
|  |           |           |           |           |           |           |           |
| GL Account 4330002                           |           |           |           |           |           |           |           |
|  | 2012      | 2013      | 2014      | 2015      | 2016      |           |           |
| Jan  | 81,925    | 113,500   | 99,139    | 104,569   | 88,707    |           |           |
| Feb  | 111,983   | 118,234   | 111,222   | 127,028   | 115,141   |           |           |
| Mar  | 121,626   | 129,879   | 100,379   | 152,220   | 163,359   |           |           |
| Apr  | 114,759   | 131,495   | 108,140   | 146,276   | 164,533   |           |           |
| May  | 119,582   | 123,637   | 104,099   | 125,326   | 163,877   |           |           |
| Jun  | 112,024   | 110,880   | 108,536   | 128,341   | 173,123   |           |           |
| Jul  | 99,510    | 105,731   | 86,633    | 121,645   | 132,397   |           |           |
| Aug  | 116,967   | 133,213   | 89,800    | 119,312   | 182,215   |           |           |
| Sep  | 91,937    | 121,663   | 98,471    | 121,903   | 173,935   |           |           |
| Oct  | 133,027   | 120,879   | 119,051   | 147,346   | 171,111   |           |           |
| Nov  | 107,798   | 102,953   | 114,296   | 117,773   | 154,763   |           |           |
| Dec  | 86,392    | 84,035    | 109,971   | 81,525    | 114,061   |           |           |
| Total  | 1,297,530 | 1,396,099 | 1,249,735 | 1,493,263 | 1,797,222 |           |           |
| 3 year average                               |           |           |           | 1,513,407 |           |           |           |
| Forecast Years                               |           |           |           |           | 2017      | 2018      | 2019      |
| Forecast Growth by Year -                    |           |           |           |           | 0.0%      | 0.0%      | 0.0%      |
|  |           |           | Forecast  |           | 1,513,407 | 1,513,407 | 1,513,407 |

**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 4: FERC ACCOUNT 488 RESIDENTIAL PARTS PROGRAM FORECAST**

**A. Account Description: # 4 Residential Parts Program**

The Residential Parts Program provides limited parts replacement for residential-type gas appliances (such as ranges, water heaters, and space heaters). The parts replaced include such items as appliance connectors, shut-off valves, thermocouples, pilot tubing, and gas light mantles.

**B. Forecast Methodology**

The 2019 forecast is based on the 2016 average transaction percentage of sales orders per customer services field order, multiplied by the customer services field forecasted orders, multiplied by the 2016 average revenue per sales order transaction. This forecast methodology aligns with the activity forecast presented in the Customer Services - Field testimony of Gwen Marelli (Ex. SCG-18-R). Refer to Tab 4b for the detailed calculations.

|  |   | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> |
|--|---|-------------|-------------|-------------|-------------|-------------|
|  | <i>Residential Limited Parts Program</i>        | 1,932       | 1,948       | 2,063       | 2,416       | 2,539       |
|  |   |             | <u>2017</u> | <u>2018</u> | <u>2019</u> |             |
|  | <b>Forecast Growth Rate</b>                     |             |             |             |             |             |
|  | FORECAST = refer to Forecast Methodology above. |             | 2,848       | 2,875       | 2,889       |             |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | 2016 Actual                   | 2,539                |
| 2.          | 2017 Estimated                | 2,848                |
| 3.          | 2018 Estimated                | 2,875                |
| 4.          | 2019 Test Year                | 2,889                |

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| <b>SOUTHERN CALIFORNIA GAS COMPANY</b>                    |                |                |                |                |
|---|----------------|----------------|----------------|----------------|
| <b>MISCELLANEOUS REVENUES</b>                             |                |                |                |                |
| <b>TAB 4A: FERC ACCOUNT 488 RESIDENTIAL PARTS PROGRAM</b> |                |                |                |                |
|   |                |                |                |                |
|   |                |                |                |                |
| 2012  | 2013           | 2014           | 2015           | 2016           |
| (168,384.50)  | (182,150.68)   | (178,305.59)   | (236,511.97)   | (245,043.38)   |
| (170,816.76)  | (172,767.52)   | (149,098.32)   | (187,442.87)   | (211,630.85)   |
| (164,264.18)  | (135,033.00)   | (146,102.36)   | (163,735.82)   | (184,691.38)   |
| (146,032.00)  | (137,580.00)   | (165,856.56)   | (178,540.83)   | (169,575.38)   |
| (156,500.23)  | (150,118.45)   | (154,589.00)   | (179,005.00)   | (207,556.44)   |
| (141,465.37)  | (126,687.00)   | (143,792.00)   | (174,132.77)   | (173,791.00)   |
| (134,718.47)  | (128,898.39)   | (139,629.42)   | (181,374.01)   | (198,462.23)   |
| (133,235.23)  | (139,960.20)   | (151,837.88)   | (159,792.58)   | (181,918.00)   |
| (132,109.00)  | (138,880.00)   | (162,715.40)   | (174,804.60)   | (189,616.00)   |
| (170,203.05)  | (164,559.00)   | (183,064.04)   | (185,106.00)   | (210,281.04)   |
| (219,512.76)  | (223,255.62)   | (257,724.00)   | (304,632.00)   | (262,497.26)   |
| (194,828.00)  | (248,389.71)   | (230,528.00)   | (290,987.58)   | (303,665.05)   |
| (1,932,069.55)  | (1,948,279.57) | (2,063,242.57) | (2,416,066.03) | (2,538,728.01) |





| TAB 1B   |                      |                  |                  |                                     |                           |                           |            |                      |                  |                  |  |                           |                           |            |                      |                  |                  |
|----------|----------------------|------------------|------------------|-------------------------------------|---------------------------|---------------------------|------------|----------------------|------------------|------------------|--|---------------------------|---------------------------|------------|----------------------|------------------|------------------|
| Revenue  |                      |                  |                  | H = D x F<br>2018 Estimated Revenue |                           |                           |            |                      |                  |                  | I = E x F<br>TY 2019 Estimated Revenue |                           |                           |            |                      |                  |                  |
| Line No. | Non-Seismic Restores | Seismic Restores | Seismic Services | Commercial Parts Program            | Residential Parts Program | Connect Appliance Program | Timed Appt | Non-Seismic Restores | Seismic Restores | Seismic Services | Commercial Parts Program               | Residential Parts Program | Connect Appliance Program | Timed Appt | Non-Seismic Restores | Seismic Restores | Seismic Services |
| 1        | \$ -                 | \$ 66            | \$ -             | \$ 139                              | \$ 264                    | \$ -                      | \$ 56      | \$ -                 | \$ 24            | \$ -             | \$ 52                                  | \$ 98                     | \$ -                      | \$ 21      | \$ -                 | \$ 9             | \$ -             |
| 2        | \$ -                 | \$ -             | \$ -             | \$ 292                              | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ 294                                 | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 3        | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 4        | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 5        | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 6        | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 7        | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 8        | \$ 3,014             | \$ 47,019        | \$ 1,115         | \$ 3,229                            | \$ 679,013                | \$ 99,284                 | \$ 30,038  | \$ 3,037             | \$ 47,368        | \$ 1,124         | \$ 3,255                               | \$ 684,407                | \$ 100,072                | \$ 30,276  | \$ 3,061             | \$ 47,745        | \$ 1,132         |
| 9        | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 9,346                  | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 9,420                  | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 10       | \$ 12,541            | \$ 362,865       | \$ 2,431         | \$ 313                              | \$ 17,284                 | \$ 306                    | \$ 108     | \$ 12,634            | \$ 365,563       | \$ 2,449         | \$ 315                                 | \$ 17,422                 | \$ 309                    | \$ 109     | \$ 12,734            | \$ 368,466       | \$ 2,468         |
| 11       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 1,811                  | \$ -                      | \$ 110     | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 1,826                  | \$ -                      | \$ 111     | \$ -                 | \$ -             | \$ -             |
| 12       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 97,153                 | \$ -                      | \$ 12,318  | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 97,925                 | \$ -                      | \$ 12,416  | \$ -                 | \$ -             | \$ -             |
| 13       | \$ 1,272             | \$ 65,436        | \$ 1,899         | \$ 58,312                           | \$ 909,464                | \$ 326                    | \$ 154     | \$ 1,282             | \$ 65,923        | \$ 1,913         | \$ 58,775                              | \$ 916,687                | \$ 329                    | \$ 155     | \$ 1,292             | \$ 66,447        | \$ 1,928         |
| 14       | \$ -                 | \$ 1,562         | \$ -             | \$ 1,398                            | \$ 25,157                 | \$ -                      | \$ -       | \$ -                 | \$ 1,574         | \$ -             | \$ 1,409                               | \$ 25,357                 | \$ -                      | \$ -       | \$ -                 | \$ 1,586         | \$ -             |
| 15       | \$ 128               | \$ 2,315         | \$ -             | \$ -                                | \$ 62,375                 | \$ -                      | \$ -       | \$ 129               | \$ 2,332         | \$ -             | \$ -                                   | \$ 62,870                 | \$ -                      | \$ 130     | \$ 2,351             | \$ -             | \$ -             |
| 16       | \$ -                 | \$ 110           | \$ 165           | \$ 1,593                            | \$ 208,532                | \$ -                      | \$ 1,692   | \$ -                 | \$ 110           | \$ 166           | \$ 1,606                               | \$ 210,189                | \$ -                      | \$ 1,706   | \$ -                 | \$ 111           | \$ 168           |
| 17       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 296                    | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 299                    | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 18       | \$ -                 | \$ -             | \$ -             | \$ 533                              | \$ 8,422                  | \$ -                      | \$ 92      | \$ -                 | \$ -             | \$ -             | \$ 538                                 | \$ 8,489                  | \$ -                      | \$ 93      | \$ -                 | \$ -             | \$ -             |
| 19       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 164                    | \$ -                      | \$ 60      | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 165                    | \$ -                      | \$ 61      | \$ -                 | \$ -             | \$ -             |
| 20       | \$ -                 | \$ -             | \$ -             | \$ 410                              | \$ 6,856                  | \$ -                      | \$ 142     | \$ -                 | \$ -             | \$ -             | \$ 439                                 | \$ 7,342                  | \$ -                      | \$ 152     | \$ -                 | \$ -             | \$ -             |
| 21       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 106                    | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 113                    | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 22       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 23       | \$ -                 | \$ -             | \$ -             | \$ 298                              | \$ 1,222                  | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ 300                                 | \$ 1,232                  | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 24       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 104                    | \$ -                      | \$ 38      | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 105                    | \$ -                      | \$ 38      | \$ -                 | \$ -             | \$ -             |
| 25       | \$ 135               | \$ -             | \$ -             | \$ -                                | \$ 18,801                 | \$ -                      | \$ 46      | \$ 310               | \$ -             | \$ -             | \$ -                                   | \$ 14,276                 | \$ -                      | \$ 35      | \$ 235               | \$ -             | \$ -             |
| 26       | \$ -                 | \$ 74            | \$ -             | \$ -                                | \$ -                      | \$ -                      | \$ 507     | \$ -                 | \$ 169           | \$ -             | \$ -                                   | \$ -                      | \$ -                      | \$ 385     | \$ -                 | \$ 128           | \$ -             |
| 27       | \$ -                 | \$ -             | \$ -             | \$ 301                              | \$ 15,377                 | \$ -                      | \$ 243     | \$ -                 | \$ -             | \$ -             | \$ 303                                 | \$ 15,499                 | \$ -                      | \$ 245     | \$ -                 | \$ -             | \$ -             |
| 28       | \$ -                 | \$ -             | \$ 159           | \$ -                                | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ 160           | \$ -                                   | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ 162           |
| 29       | \$ -                 | \$ -             | \$ -             | \$ 8,949                            | \$ 178,484                | \$ -                      | \$ 6,096   | \$ -                 | \$ -             | \$ -             | \$ 8,762                               | \$ 174,760                | \$ -                      | \$ 5,969   | \$ -                 | \$ -             | \$ -             |
| 30       | \$ -                 | \$ 208           | \$ -             | \$ 303                              | \$ 669                    | \$ -                      | \$ -       | \$ -                 | \$ 210           | \$ -             | \$ 305                                 | \$ 675                    | \$ -                      | \$ -       | \$ -                 | \$ 211           | \$ -             |
| 31       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 32       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ -                      | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 33       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 3,393                  | \$ -                      | \$ 414     | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 3,420                  | \$ -                      | \$ 417     | \$ -                 | \$ -             | \$ -             |
| 34       | \$ 245               | \$ 331           | \$ -             | \$ 321                              | \$ 228,634                | \$ -                      | \$ 28,721  | \$ 247               | \$ 334           | \$ -             | \$ 324                                 | \$ 230,450                | \$ -                      | \$ 28,949  | \$ 249               | \$ 336           | \$ -             |
| 35       | \$ -                 | \$ 860           | \$ -             | \$ -                                | \$ 87,661                 | \$ -                      | \$ 1,552   | \$ -                 | \$ 867           | \$ -             | \$ -                                   | \$ 88,357                 | \$ -                      | \$ 1,565   | \$ -                 | \$ 873           | \$ -             |
| 36       | \$ 839               | \$ 13,526        | \$ -             | \$ -                                | \$ 117,244                | \$ -                      | \$ 355     | \$ 845               | \$ 13,627        | \$ -             | \$ -                                   | \$ 118,176                | \$ -                      | \$ 358     | \$ 852               | \$ 13,735        | \$ -             |
| 37       | \$ -                 | \$ 221           | \$ -             | \$ -                                | \$ 203                    | \$ -                      | \$ 297     | \$ -                 | \$ 223           | \$ -             | \$ -                                   | \$ 205                    | \$ -                      | \$ 300     | \$ -                 | \$ 225           | \$ -             |
| 38       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 590                    | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 595                    | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
| 39       | \$ 108               | \$ 680           | \$ 293           | \$ 3,389                            | \$ 19,438                 | \$ -                      | \$ -       | \$ 109               | \$ 685           | \$ 295           | \$ 3,416                               | \$ 19,592                 | \$ -                      | \$ -       | \$ 109               | \$ 690           | \$ 297           |
| 40       | \$ -                 | \$ 98            | \$ 741           | \$ 1,145                            | \$ 11,926                 | \$ -                      | \$ 33      | \$ -                 | \$ 99            | \$ 747           | \$ 1,154                               | \$ 12,021                 | \$ -                      | \$ 33      | \$ -                 | \$ 100           | \$ 753           |
| 41       | \$ -                 | \$ 109           | \$ -             | \$ 21,539                           | \$ 7,101                  | \$ -                      | \$ -       | \$ -                 | \$ 110           | \$ -             | \$ 21,710                              | \$ 7,158                  | \$ -                      | \$ -       | \$ -                 | \$ 111           | \$ -             |
| 42       | \$ -                 | \$ 212           | \$ -             | \$ 47,376                           | \$ 97                     | \$ -                      | \$ 142     | \$ -                 | \$ 213           | \$ -             | \$ 47,752                              | \$ 98                     | \$ -                      | \$ 143     | \$ -                 | \$ 215           | \$ -             |
| 43       | \$ 716               | \$ 4,727         | \$ 324           | \$ 3,205,054                        | \$ 1,874                  | \$ -                      | \$ 757     | \$ 721               | \$ 4,762         | \$ 326           | \$ 3,230,512                           | \$ 1,889                  | \$ -                      | \$ 763     | \$ 727               | \$ 4,800         | \$ 329           |
| 44       | \$ -                 | \$ 652           | \$ -             | \$ 459,799                          | \$ 798                    | \$ -                      | \$ 36      | \$ -                 | \$ 657           | \$ -             | \$ 463,451                             | \$ 804                    | \$ -                      | \$ 37      | \$ -                 | \$ 662           | \$ -             |
| 45       | \$ -                 | \$ 839           | \$ -             | \$ 69,818                           | \$ 481                    | \$ -                      | \$ 70      | \$ -                 | \$ 845           | \$ -             | \$ 70,373                              | \$ 485                    | \$ -                      | \$ 71      | \$ -                 | \$ 852           | \$ -             |
| 46       | \$ -                 | \$ -             | \$ -             | \$ 291                              | \$ -                      | \$ -                      | \$ 34      | \$ -                 | \$ -             | \$ -             | \$ 293                                 | \$ -                      | \$ -                      | \$ 34      | \$ -                 | \$ -             | \$ -             |
| 47       | \$ 397               | \$ 6,711         | \$ -             | \$ 111,355                          | \$ 88,725                 | \$ 9,683                  | \$ 3,154   | \$ 400               | \$ 6,761         | \$ -             | \$ 112,240                             | \$ 89,429                 | \$ 9,760                  | \$ 3,179   | \$ 404               | \$ 6,815         | \$ -             |
| 48       | \$ 101               | \$ 1,462         | \$ -             | \$ 9,036                            | \$ 66,124                 | \$ -                      | \$ 6,106   | \$ 102               | \$ 1,473         | \$ -             | \$ 9,107                               | \$ 66,649                 | \$ -                      | \$ 6,155   | \$ 103               | \$ 1,485         | \$ -             |
| 49       | \$ -                 | \$ -             | \$ -             | \$ -                                | \$ 89                     | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             | \$ -                                   | \$ 90                     | \$ -                      | \$ -       | \$ -                 | \$ -             | \$ -             |
|          | \$ 19,497            | \$ 510,084       | \$ 7,126         | \$ 4,005,191                        | \$ 2,875,281              | \$ 109,600                | \$ 93,375  | \$ 19,815            | \$ 513,929       | \$ 7,179         | \$ 4,036,684                           | \$ 2,888,573              | \$ 110,470                | \$ 93,776  | \$ 19,896            | \$ 517,953       | \$ 7,236         |
| Revenue  |                      |                  |                  | 2018 Estimated Revenue              |                           |                           |            |                      |                  |                  | TY 2019 Estimated Revenue              |                           |                           |            |                      |                  |                  |
| Line No. | Non-Seismic Restores | Seismic Restores | Seismic Services | Commercial Parts Program            | Residential Parts Program | Connect Appliance Program | Timed Appt | Non-Seismic Restores | Seismic Restores | Seismic Services | Commercial Parts Program               | Residential Parts Program | Connect Appliance Program | Timed Appt | Non-Seismic Restores | Seismic Restores | Seismic Services |

**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 5: FERC ACCOUNT 488 COMMERCIAL PARTS PROGRAM FORECAST**

**A. Account Description: # 5 Commercial Parts Program**

The Commercial Parts Program provides parts replacement on food industry-type appliances located in restaurants, hospitals, rest homes, sanitariums, schools, churches, and in-plant food preparation facilities. These appliances include dishwashers, broilers, griddles, hot food tables, ovens, braising pans, deep fat fryers, pressure fryers, steam cookers, and other similar equipment. The parts offered to these customers include thermostats, connectors, and control valves.

**B. Forecast Methodology**

The 2019 forecast is based on the 2016 average transaction percentage of sales orders per customer services field order, multiplied by the customer services field forecasted orders, multiplied by the 2016 average revenue per sales order transaction. This forecast methodology aligns with the activity forecast presented in the Customer Services - Field testimony of Gwen Marelli (Ex. SCG-18-R). Refer to Tab 4b for the detailed calculations.

|   | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> |
|---|-------------|-------------|-------------|-------------|-------------|
| <i>Rev From Comm Parts Sales</i>                | 2,804       | 2,840       | 2,988       | 3,431       | 3,535       |
|   |             | <u>2017</u> | <u>2018</u> | <u>2019</u> |             |
| <b>Forecast Growth Rate</b>                     |             |             |             |             |             |
| FORECAST = refer to Forecast Methodology above. |             | 3,976       | 4,005       | 4,037       |             |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 3,535                |
| 2.          | <b>2017 Estimated</b>         | 3,976                |
| 3.          | <b>2018 Estimated</b>         | 4,005                |
| 4.          | <b>2019 Test Year</b>         | 4,037                |

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| <b>SOUTHERN CALIFORNIA GAS COMPANY</b>                   |                  |                  |                  |                  |                  |  |  |  |
|--|------------------|------------------|------------------|------------------|------------------|--|--|--|
| <b>MISCELLANEOUS REVENUES</b>                            |                  |                  |                  |                  |                  |  |  |  |
| <b>TAB 5A: FERC ACCOUNT 488 COMMERCIAL PARTS PROGRAM</b> |                  |                  |                  |                  |                  |  |  |  |
|  |                  |                  |                  |                  |                  |  |  |  |
| GL Account   | 4330005          |                  |                  |                  |                  |  |  |  |
|  | 2012             | 2013             | 2014             | 2015             | 2016             |  |  |  |
| Jan  | 253,331          | 248,937          | 257,439          | 268,459          | 279,884          |  |  |  |
| Feb  | 247,448          | 247,176          | 237,989          | 278,559          | 289,567          |  |  |  |
| Mar  | 254,120          | 225,954          | 231,349          | 284,926          | 291,616          |  |  |  |
| Apr  | 234,247          | 238,670          | 243,979          | 275,788          | 314,993          |  |  |  |
| May  | 228,055          | 223,239          | 239,745          | 314,519          | 308,786          |  |  |  |
| Jun  | 220,279          | 232,476          | 232,166          | 278,892          | 297,843          |  |  |  |
| Jul  | 231,795          | 226,823          | 251,983          | 277,794          | 285,461          |  |  |  |
| Aug  | 222,997          | 225,395          | 256,683          | 270,050          | 275,077          |  |  |  |
| Sep  | 229,133          | 238,983          | 262,516          | 299,364          | 290,532          |  |  |  |
| Oct  | 226,729          | 242,143          | 241,503          | 301,896          | 308,866          |  |  |  |
| Nov  | 240,985          | 263,844          | 289,320          | 316,698          | 279,871          |  |  |  |
| Dec  | 215,269          | 226,100          | 243,250          | 263,768          | 312,816          |  |  |  |
| <b>Total</b>   | <b>2,804,390</b> | <b>2,839,741</b> | <b>2,987,922</b> | <b>3,430,713</b> | <b>3,535,313</b> |  |  |  |



**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 6: FERC ACCOUNT 488 CONNECT APPLIANCE PROGRAM FORECAST**

**A. Account Description: # 6 Connect Appliance Program**

Connect Appliance Program provides upon customer request for the connection of new and used portable appliances such as gas ranges, dryers, and barbecues pursuant to SoCalGas Tariff Rule No. 10. The parts utilized to perform this service are shut-off valves and connectors.

**B. Forecast Methodology**

The 2019 forecast is based on the 2016 average transaction percentage of sales orders per customer services field order, multiplied by the customer services field forecasted orders, multiplied by the 2016 average revenue per sales order transaction. This forecast methodology aligns with the activity forecast presented in the Customer Services - Field testimony of Gwen Marelli (Ex. SCG-18-R). Refer to Tab 4b for the detailed calculations.

|                                      | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|
| <i>Revs From Appl Connection Svc</i> | 99          | 79          | 76          | 78          | 87          |

|                             | <u>2017</u> | <u>2018</u> | <u>2019</u> |
|-----------------------------|-------------|-------------|-------------|
| <b>Forecast Growth Rate</b> |             |             |             |

|   |     |     |     |
|---|-----|-----|-----|
| FORECAST = refer to Forecast Methodology above. | 109 | 110 | 110 |
|---|-----|-----|-----|

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 87                   |
| 2.          | <b>2017 Estimated</b>         | 109                  |
| 3.          | <b>2018 Estimated</b>         | 110                  |
| 4.          | <b>2019 Test Year</b>         | 110                  |

| <b>SOUTHERN CALIFORNIA GAS COMPANY</b>                    |               |               |               |               |               |
|---|---------------|---------------|---------------|---------------|---------------|
| <b>MISCELLANEOUS REVENUES</b>                             |               |               |               |               |               |
| <b>TAB 6A: FERC ACCOUNT 488 CONNECT APPLIANCE PROGRAM</b> |               |               |               |               |               |
|   |               |               |               |               |               |
|   | 2012          | 2013          | 2014          | 2015          | 2016          |
| Jan   | 7299.00       | 5916.00       | 6117.00       | 7758.00       | 5045.00       |
| Feb   | 9953.00       | 9050.00       | 4457.00       | 6721.00       | 4835.00       |
| Mar   | 7527.00       | 9427.00       | 7026.82       | 5548.00       | 5445.00       |
| Apr   | 7496.00       | 7665.00       | 5683.00       | 7506.00       | 6314.00       |
| May   | 8429.00       | 6993.00       | 6395.00       | 7811.00       | 7880.00       |
| Jun   | 8281.00       | 7174.00       | 6777.00       | 6330.00       | 7874.00       |
| Jul   | 9023.00       | 7072.00       | 5698.00       | 6836.00       | 8741.00       |
| Aug   | 9517.00       | 7586.00       | 5747.00       | 7726.00       | 9,543         |
| Sep   | 9996.00       | 5846.00       | 9184.00       | 7348.00       | 10,424        |
| Oct   | 8671.00       | 3359.00       | 5575.00       | 5324.00       | 6,671         |
| Nov   | 5190.00       | 3672.00       | 7430.00       | 5117.00       | 6,947         |
| Dec   | 7138.00       | 5180.00       | 6047.00       | 4080.00       | 7,656         |
| <b>Total</b>  | <b>98,520</b> | <b>78,940</b> | <b>76,137</b> | <b>78,105</b> | <b>87,375</b> |

**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 7: FERC ACCOUNT 488 NATURAL GAS VEHICLE MAINTENANCE FORECAST**

**A. Account Description: # 7 Natural Gas Vehicle (NGV) Maintenance**

SoCalGas receives revenues for providing maintenance services at customer owned NGV facilities.

**B. Forecast Methodology**

The 2016 forecast reflects the five-year average booked revenue (2009-2013).

|  | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>5 YR AVG</u> |
|--|-------------|-------------|-------------|-------------|-------------|-----------------|
| <i>Rev from Cust Owned NGV Station Maint</i> | 87          | 91          | 84          | 101         | 131         | 99              |
|  |             | <b>2014</b> | <b>2015</b> | <b>2016</b> |             |                 |
| <b>Forecast Growth Rate</b>                  |             | 0.00%       | 0.00%       | 0.00%       |             |                 |
| <b>FORECAST = 5 Year Avg x Growth Rate</b>   |             | 99          | 99          | 99          |             |                 |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2013 Actual</b>            | 131                  |
| 2.          | <b>2014 Estimated</b>         | 99                   |
| 3.          | <b>2015 Estimated</b>         | 99                   |
| 4.          | <b>2016 Test Year</b>         | 99                   |

| <b>SOUTHERN CALIFORNIA GAS COMPANY</b>                          |                    |                    |                    |                     |                     |
|---|--------------------|--------------------|--------------------|---------------------|---------------------|
| <b>MISCELLANEOUS REVENUES</b>                                   |                    |                    |                    |                     |                     |
| <b>TAB 7A: FERC ACCOUNT 488 NATURAL GAS VEHICLE MAINTENANCE</b> |                    |                    |                    |                     |                     |
|   |                    |                    |                    |                     |                     |
|   | 2012               | 2013               | 2014               | 2015                | 2016                |
| Jan   | (5,015.26)         | (7,294.94)         | -4300.00           | -18321.10           | 0.00                |
| Feb   | (5,203.35)         | (4,756.90)         | -6054.67           | -6508.49            | -9079.06            |
| Mar   | (8,789.57)         | (9,431.88)         | -4300.00           | -4300.00            | -18935.16           |
| Apr   | (5,164.64)         | (2,447.45)         | -7993.65           | -10097.75           | -9632.60            |
| May   | (12,261.01)        | (2,775.38)         | -14252.02          | -11122.60           | -25748.74           |
| Jun   | (16,778.77)        | (3,591.81)         | -17128.84          | -8810.40            | -4300.00            |
| Jul   | (1,225.93)         | -                  | -4300.00           | -10807.51           | -4300.00            |
| Aug   | (8,753.16)         | (1,201.95)         | -6845.48           | -4300.00            | -10203.03           |
| Sep   | -                  | (36,023.47)        | -4300.00           | -5948.96            | -5679.20            |
| Oct   | (10,422.07)        | (5,393.29)         | -4300.00           | -6203.43            | -3850.00            |
| Nov   | (7,009.72)         | (4,300.00)         | -6072.93           | -5819.84            | -35456.69           |
| Dec   | (6,212.40)         | (13,888.19)        | -4300.00           | -8274.82            | -3850.00            |
| <b>Total</b>  | <b>(86,835.88)</b> | <b>(91,105.26)</b> | <b>(84,147.59)</b> | <b>(100,514.90)</b> | <b>(131,034.48)</b> |

**SOUTHERN CALIFORNIA GAS COMPANY**  
**MISCELLANEOUS REVENUES**  
**TAB 8: FERC ACCOUNT 488 PIPELINE SERVICES FORECAST**

**A. Account Description: # 8 Pipeline Services**

Pipeline services revenues are received for providing installation and maintenance of gas facilities primarily for commercial customers, school districts, cities, and counties.

**B. Forecast Methodology**

Unknown future work requirements and excess capacity for Pipeline Services work, forecasting has been set to 5 yr average.

|                                  | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>5 YR AVG</b> |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-----------------|
| <i>Pipeline Services Revenue</i> | 13          | 80          | 76          | 51          | 78          | 60              |
|                                  |             | <b>2017</b> | <b>2018</b> | <b>2019</b> |             |                 |
| <b>Forecast Growth Rate</b>      |             | 0.00%       | 0.00%       | 0.00%       |             |                 |
| <b>FORECAST =</b>                |             | 60          | 60          | 60          |             |                 |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 78                   |
| 2.          | <b>2017 Estimated</b>         | 60                   |
| 3.          | <b>2018 Estimated</b>         | 60                   |
| 4.          | <b>2019 Test Year</b>         | 60                   |

**SOUTHERN CALIFORNIA GAS COMPANY  
MISCELLANEOUS REVENUES**

**TAB 9: FERC ACCOUNT 488 LATE PAYMENT CHARGES (NON-RESIDENTIAL) FORECAST**

**A. Account Description: # 9 Late Payment Charges**

In SoCalGas' Commission-authorized Tariff Rule 12, Rendering and Payment of Bills, section D includes a late-payment charge for non-residential customers. The monthly charge is equal to 1/12 of SoCalGas' authorized rate of return on rate base applied to the unpaid balance.

**B. Forecast Methodology**

The 2019 forecast reflects the five-year average booked revenue (2012-2016).

|  | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>5 YR AVG</u> |
|--|-------------|-------------|-------------|-------------|-------------|-----------------|
| <i>Rev From Late Pmt Chrg Actual</i>       | 460         | 479         | 584         | 572         | 510         | 521             |
|  |             | <u>2017</u> | <u>2018</u> | <u>2019</u> |             |                 |
| <b>Forecast Growth Rate</b>                |             | 0.00%       | 0.00%       | 0.00%       |             |                 |
| <b>FORECAST = 5 Year Avg x Growth Rate</b> |             | 521         | 521         | 521         |             |                 |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 510                  |
| 2.          | <b>2017 Estimated</b>         | 521                  |
| 3.          | <b>2018 Estimated</b>         | 521                  |
| 4.          | <b>2019 Test Year</b>         | 521                  |



**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 10: FERC ACCOUNT 488 OTHER CUSTOMER SERVICE REVENUES FORECAST**

**A. Account Description: # 10 Other Customer Service Revenues**

Other Customer Service Revenues consist of miscellaneous programs, including timed appointments, seismic services, and non-seismic restore of gas services.

**B. Forecast Methodology**

Timed Appt, Seismic, Non-Seismic: The 2019 forecast is based on the 2016 average transaction percentage of sales orders per customer services field order, multiplied by the customer services field forecasted orders, multiplied by the 2016 average revenue per sales order transaction. This forecast methodology aligns with the activity forecast presented in the Customer Services - Field testimony of Gwen Marelli (Ex. SCG-18-R). Refer to Tab 4b for the detailed calculations.

|  | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b>                                 |
|--|-------------|-------------|-------------|-------------|---|
| <i>Revenue from Set Time Appt Svc Chrg</i>   | 54          | 48          | 41          | 59          | 87  |
| <i>Rev Fr Airqual Prog Hndbk &amp; Smnar</i> | 5           | -5          | 0           | 0           | 0   |
| <i>Rev for Seismic Services</i>              | 3           | 2           | 6           | 3           | 6   |
| <i>Rev for Seismic Restores</i>              | 316         | 318         | 352         | 421         | 444   |
| <i>Rev for Non-Seismic Restores</i>          | 11          | 12          | 24          | 19          | 18  |
|  | <b>389</b>  | <b>374</b>  | <b>422</b>  | <b>501</b>  | <b>555</b>                                  |
|  |             |             |             |             |   |
|  |             | <b>2017</b> | <b>2018</b> | <b>2019</b> |   |
| <b>Forecast Growth Rate</b>                  |             |             |             |             | *Excluding Customer Solutions (Air Quality) |
| <i>Revenue from Set Time Appt Svc Chrg</i>   |             | 93          | 93          | 94          |   |
| <i>Rev Fr Airqual Prog Hndbk &amp; Smnar</i> |             | 0           | 0           | 0           |   |
| <i>Rev for Seismic Services</i>              |             | 7           | 7           | 7           |   |
| <i>Rev for Seismic Restores</i>              |             | 510         | 514         | 518         |   |
| <i>Rev for Non-Seismic Restores</i>          |             | 19          | 20          | 20          |   |
| Total  |             | 629         | 634         | 639         |   |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 555                  |
| 2.          | <b>2017 Estimated</b>         | 629                  |
| 3.          | <b>2018 Estimated</b>         | 634                  |
| 4.          | <b>2019 Test Year</b>         | 639                  |

SCG/Ex. No: SCG-41-WP-2R /Witness: Annette M. Steffen







**SOUTHERN CALIFORNIA GAS COMPANY**  
**MISCELLANEOUS REVENUES**  
**TAB 12: FERC ACCOUNT 495 SHARED ASSETS FORECAST**

**A. Account Description: # 12 Shared Assets**

Revenue from shared assets reflects the use of SoCalGas assets, primarily information computer hardware and software, and communication equipment, by San Diego Gas & Electric Company (SDG&E), Sempra Energy Corporate (SECC) and its unregulated affiliates.

**B. Forecast Methodology**

The forecast of the 2019 charges billed to affiliates reflects the development of a revenue requirement associated with these assets, including depreciation, property taxes, federal and state income taxes and a return on rate base.

|  | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>5 YR AVG</b> |
|--|-------------|-------------|-------------|-------------|-------------|-----------------|
| <i>Shared Assets Revenue - Gas Distrib</i> | 40,054      | 49,856      | 50,351      | 52,995      | 54,576      | 49,567          |
|  |             | <b>2017</b> | <b>2018</b> | <b>2019</b> |             |                 |
| <b>Forecast Growth Rate</b>                |             | -12.80%     | -0.23%      | 14.57%      |             |                 |
| <b>FORECAST</b>                            |             | 47,589      | 47,481      | 54,398      |             |                 |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 54,576               |
| 2.          | <b>2017 Estimated</b>         | 47,589               |
| 3.          | <b>2018 Estimated</b>         | 47,481               |
| 4.          | <b>2019 Test Year</b>         | 54,398               |

| SoCalGas Shared Asset Allocation |           |        |          |               |         |              |         |              |        |               |        |       |        |           |        |                             |        |           |       |      |
|----------------------------------|-----------|--------|----------|---------------|---------|--------------|---------|--------------|--------|---------------|--------|-------|--------|-----------|--------|-----------------------------|--------|-----------|-------|------|
| Billable Costs                   |           |        |          |               |         |              |         |              |        |               |        |       |        |           |        |                             |        |           |       |      |
| Weighted Avg                     |           | Annual | Billable | Return        | Annual  | Annual       | Total   | Allocation % |        | Allocation \$ |        |       |        |           |        |                             |        |           |       |      |
| 2017                             | Rate Base | Return | Return   | for FIT & SIT | Expense | Property Tax | Charges | Retained     | Billed | Retained      | Billed | SoCal | SDGE   | Affiliate | Total  | SoCalGas Retained           | SDGE   | Affiliate | Total |      |
| Structures & Improvements        | 18,836    | 8.02%  | 1,511    | 2,549         | 2,288   | 244          | 5,082   | 94.1%        | 5.9%   | 4,784         | 298    |       | 284    | 13        | 298    | Structures and Improvements | 94.15% | 5.59%     | 0.26% | 100% |
| Computer Hardware                | 45,621    | 8.02%  | 3,659    | 6,175         | 17,952  | 592          | 24,719  | 60.7%        | 39.3%  | 14,992        | 9,727  |       | 9,447  | 279       | 9,727  | Computer Hardware           | 60.65% | 38.22%    | 1.13% | 100% |
| Computer Software:               |           |        |          |               |         |              |         |              |        |               |        |       |        |           |        |                             |        |           |       |      |
| 2-4 Yrs                          | 5,167     | 8.02%  | 414      | 699           | 4,583   | 0            | 5,282   | 61.3%        | 38.7%  | 3,239         | 2,044  |       | 1,985  | 59        | 2,044  | Computer Software 2-4 Yrs   | 61.31% | 37.58%    | 1.11% | 100% |
| 5-8 Yrs                          | 125,547   | 8.02%  | 10,069   | 16,993        | 29,988  | 0            | 46,981  | 73.7%        | 26.3%  | 34,607        | 12,373 |       | 12,186 | 188       | 12,373 | Computer Software 5-8 Yrs   | 73.66% | 25.94%    | 0.40% | 100% |
| 9-12 Yrs                         | 158,203   | 8.02%  | 12,688   | 21,413        | 34,655  | 0            | 56,068  | 62.5%        | 37.5%  | 35,039        | 21,029 |       | 20,985 | 44        | 21,029 | Computer Software 9-12 Yrs  | 62.49% | 37.43%    | 0.08% | 100% |
| 15 Yrs                           | 3,527     | 8.02%  | 283      | 477           | 384     | 0            | 862     | 62.4%        | 37.6%  | 538           | 324    |       | 322    | 2         | 324    | Computer Software 15 Yrs    | 62.39% | 37.34%    | 0.26% | 100% |
| 20 Yrs                           | 0         | 8.02%  | 0        | 0             | 0       | 0            | 0       | 0.0%         | 0.0%   | 0             | 0      |       | 0      | 0         | 0      | Computer Software 20 Yrs    |        |           |       |      |
| Communications                   | 7,074     | 8.02%  | 567      | 957           | 2,922   | 92           | 3,971   | 55.0%        | 45.0%  | 2,185         | 1,786  |       | 1,614  | 172       | 1,786  | Communications              | 55.02% | 40.64%    | 4.33% | 100% |
| Miscellaneous                    | 196       | 8.02%  | 16       | 27            | 0       | 3            | 29      | 70.2%        | 29.8%  | 20            | 9      |       | 9      | 0         | 9      | Miscellaneous               | 70.19% | 29.81%    | 0.00% | 100% |
| Total                            | 364,172   | 8.02%  | 29,207   | 49,290        | 92,772  | 930          | 142,993 |              |        |               | 47,589 | 0     | 46,832 | 757       | 47,589 |                             |        |           |       |      |
| Weighted Avg                     |           | Annual | Billable | Return        | Annual  | Annual       | Total   | Allocation % |        | Allocation \$ |        |       |        |           |        |                             |        |           |       |      |
| 2018                             | Rate Base | Return | Return   | for FIT & SIT | Expense | Property Tax | Charges | Retained     | Billed | Retained      | Billed | SoCal | SDGE   | Affiliate | Total  | SoCalGas Retained           | SDGE   | Affiliate | Total |      |
| Structures & Improvements        | 16,327    | 7.34%  | 1,198    | 1,664         | 2,279   | 213          | 4,156   | 94.3%        | 5.7%   | 3,918         | 238    |       | 227    | 11        | 238    | Structures and Improvements | 94.27% | 5.46%     | 0.26% | 100% |
| Computer Hardware                | 57,204    | 7.34%  | 4,199    | 5,830         | 18,364  | 747          | 24,942  | 63.2%        | 36.8%  | 15,772        | 9,170  |       | 8,898  | 271       | 9,170  | Computer Hardware           | 63.24% | 35.68%    | 1.09% | 100% |
| Computer Software:               |           |        |          |               |         |              |         |              |        |               |        |       |        |           |        |                             |        |           |       |      |
| 2-4 Yrs                          | 1,089     | 7.34%  | 80       | 111           | 2,905   | 0            | 3,016   | 61.3%        | 38.7%  | 1,850         | 1,166  |       | 1,134  | 32        | 1,166  | Computer Software 2-4 Yrs   | 61.33% | 37.60%    | 1.07% | 100% |
| 5-8 Yrs                          | 177,863   | 7.34%  | 13,055   | 18,128        | 43,993  | 0            | 62,121  | 72.5%        | 27.5%  | 45,051        | 17,071 |       | 16,805 | 266       | 17,071 | Computer Software 5-8 Yrs   | 72.52% | 27.05%    | 0.43% | 100% |
| 9-12 Yrs                         | 121,561   | 7.34%  | 8,923    | 12,390        | 34,746  | 0            | 47,136  | 62.5%        | 37.5%  | 29,436        | 17,699 |       | 17,662 | 37        | 17,699 | Computer Software 9-12 Yrs  | 62.45% | 37.47%    | 0.08% | 100% |
| 15 Yrs                           | 3,122     | 7.34%  | 229      | 318           | 384     | 0            | 702     | 62.4%        | 37.6%  | 438           | 264    |       | 262    | 2         | 264    | Computer Software 15 Yrs    | 62.40% | 37.36%    | 0.25% | 100% |
| 20 Yrs                           | 0         | 7.34%  | 0        | 0             | 0       | 0            | 0       | 0.0%         | 0.0%   | 0             | 0      |       | 0      | 0         | 0      | Computer Software 20 Yrs    |        |           |       |      |
| Communications                   | 7,736     | 7.34%  | 588      | 788           | 3,587   | 101          | 4,477   | 58.3%        | 41.7%  | 2,610         | 1,867  |       | 1,726  | 141       | 1,867  | Communications              | 58.30% | 38.54%    | 3.16% | 100% |
| Miscellaneous                    | 177       | 7.34%  | 13       | 18            | 0       | 2            | 20      | 70.2%        | 29.8%  | 14            | 6      |       | 6      | 0         | 6      | Miscellaneous               | 70.19% | 29.81%    | 0.00% | 100% |
| Total                            | 385,080   | 7.34%  | 28,265   | 39,248        | 106,260 | 1,063        | 146,571 |              |        |               | 47,481 |       | 46,720 | 761       | 47,481 |                             |        |           |       |      |
| Weighted Avg                     |           | Annual | Billable | Return        | Annual  | Annual       | Total   | Allocation % |        | Allocation \$ |        |       |        |           |        |                             |        |           |       |      |
| 2019                             | Rate Base | Return | Return   | for FIT & SIT | Expense | Property Tax | Charges | Retained     | Billed | Retained      | Billed | SoCal | SDGE   | Affiliate | Total  | SoCalGas Retained           | SDGE   | Affiliate | Total |      |
| Structures & Improvements        | 13,780    | 7.34%  | 1,011    | 1,405         | 2,142   | 181          | 3,727   | 94.4%        | 5.6%   | 3,520         | 207    |       | 197    | 10        | 207    | Structures and Improvements | 94.44% | 5.30%     | 0.27% | 100% |
| Computer Hardware                | 95,412    | 7.34%  | 7,003    | 9,724         | 28,704  | 1,254        | 39,683  | 64.1%        | 35.9%  | 25,421        | 14,262 |       | 13,825 | 438       | 14,262 | Computer Hardware           | 64.06% | 34.84%    | 1.10% | 100% |
| Computer Software:               |           |        |          |               |         |              |         |              |        |               |        |       |        |           |        |                             |        |           |       |      |
| 2-4 Yrs                          | (0)       | 7.34%  | (0)      | (0)           | 0       | 0            | (0)     | 61.3%        | 38.7%  | (0)           | (0)    |       | (0)    | (0)       | (0)    | Computer Software 2-4 Yrs   | 61.33% | 37.59%    | 1.07% | 100% |
| 5-8 Yrs                          | 212,320   | 7.34%  | 15,584   | 21,640        | 56,161  | 0            | 77,801  | 72.5%        | 27.5%  | 56,418        | 21,383 |       | 21,001 | 382       | 21,383 | Computer Software 5-8 Yrs   | 72.52% | 26.99%    | 0.49% | 100% |
| 9-12 Yrs                         | 86,849    | 7.34%  | 6,375    | 8,852         | 34,429  | 0            | 43,281  | 62.4%        | 37.6%  | 26,997        | 16,284 |       | 16,248 | 37        | 16,284 | Computer Software 9-12 Yrs  | 62.38% | 37.54%    | 0.09% | 100% |
| 15 Yrs                           | 2,737     | 7.34%  | 201      | 279           | 384     | 0            | 663     | 62.4%        | 37.6%  | 414           | 249    |       | 248    | 2         | 249    | Computer Software 15 Yrs    | 62.39% | 37.37%    | 0.24% | 100% |
| 20 Yrs                           | 0         | 7.34%  | 0        | 0             | 0       | 0            | 0       | 0.0%         | 0.0%   | 0             | 0      |       | 0      | 0         | 0      | Computer Software 20 Yrs    |        |           |       |      |
| Communications                   | 15,805    | 7.34%  | 1,160    | 1,611         | 5,183   | 208          | 7,002   | 71.4%        | 28.6%  | 4,996         | 2,006  |       | 1,938  | 68        | 2,006  | Communications              | 71.35% | 27.68%    | 0.96% | 100% |
| Miscellaneous                    | 157       | 7.34%  | 12       | 16            | 0       | 2            | 18      | 70.2%        | 29.8%  | 13            | 5      |       | 5      | 0         | 5      | Miscellaneous               | 70.19% | 29.81%    | 0.00% | 100% |
| Total                            | 427,060   | 7.34%  | 31,346   | 43,526        | 127,004 | 1,645        | 172,176 |              |        |               | 54,396 |       | 53,462 | 935       | 54,396 |                             |        |           |       |      |

| SOUTHERN CALIFORNIA GAS COMPANY   |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
|---|-------------------------------|---------------|---------------|--------------|--------------|--------------|----------------|--|------|------|------|------|------|----------|----------------------|-------|-------|-------|-------|-------|-------|--------------------|-------|-------|-------|-------|-----|-------|------------|-----|-----|-----|-----|----|-----|---------------------------|-------|-------|-------|-------|-----|-------|---|----|----|----|----|----|----|--|---------------|---------------|---------------|--------------|--------------|--------------|-----------------------------|--|--|--|--|--|--|--|--|--|-------------|-------------|-------------|--|--|----------------------|--|---------|-------|--------|--|--|--------------------|--|--------|--------|-------|--|--|------------|--|---------|---------|-------|--|--|---------------------------|--|-------|-------|--------|--|--|---|--|-------|-------|-------|--|--|--|--|--|--|--|--|--|--|----------------------|--|-----|-------|-------|--|--|--------------------|--|-------|-------|-------|--|--|------------|--|---|----|----|--|--|---------------------------|--|-----|-----|-----|--|--|---|--|----|----|----|--|--|--|--|--------------|--------------|--------------|--|--|
| MISCELLANEOUS REVENUES  |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| TAB 13: FERC ACCOUNT 495 CRUDE OIL SALES FORECAST   |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| <b>A. Account Description: # 13 Crude Oil Sales</b>   |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Crude Oil Sales represents the revenue from the sale of crude oil produced at the Company's Aliso, Honor Rancho, and Playa Del Rey underground storage fields. Forecast includes administrative fee reimbursement for PDR PECO Oil & Gas LLC, et al. for all costs and expenses incurred in the operation of the Playa del Rey Field, including without limitation lifting, reworking and redrilling expenses, improvement and maintenance of surface equipment under agreement.  |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| <b>B. Forecast Methodology</b>  |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| The oil sales revenue estimate is based on the forecasted price of oil times forecasted volumes. The price forecast is based on a recent NYMEX futures strip for West Texas Intermediate crude oil, adjusted for the historical differentials between the benchmark West Texas Intermediate price and the price received at the various storage fields. The oil volume is based on trending of recent years volumes.  |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Forecast based on 2016 base year. Forecast includes administrative fee reimbursement for PDR PECO Oil & Gas LLC, et al. for all costs and expenses incurred in the operation of the Playa del Rey Field, including without limitation lifting, reworking and redrilling expenses, improvement and maintenance of surface equipment under agreement.   |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| <table border="1"> <thead> <tr> <th></th> <th>2012</th> <th>2013</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>5 YR AVG</th> </tr> </thead> <tbody> <tr> <td>Honor Rancho Oil Rev</td> <td>9,219</td> <td>5,401</td> <td>3,574</td> <td>3,092</td> <td>1,711</td> <td>4,599</td> </tr> <tr> <td>Aliso Shallow Zone</td> <td>2,415</td> <td>4,472</td> <td>5,012</td> <td>1,741</td> <td>909</td> <td>2,910</td> </tr> <tr> <td>Aliso PEOC</td> <td>316</td> <td>383</td> <td>268</td> <td>304</td> <td>95</td> <td>273</td> </tr> <tr> <td>PECO Oil &amp; Gas LLC, et al</td> <td>3,154</td> <td>1,880</td> <td>2,617</td> <td>1,140</td> <td>737</td> <td>1,906</td> </tr> <tr> <td>PDR PECO Oil &amp; Gas LLC, et al Admin Fee</td> <td>15</td> <td>15</td> <td>15</td> <td>15</td> <td>15</td> <td>15</td> </tr> <tr> <td></td> <td><b>15,119</b></td> <td><b>12,151</b></td> <td><b>11,485</b></td> <td><b>6,291</b></td> <td><b>3,467</b></td> <td><b>9,703</b></td> </tr> <tr> <td colspan="8"><b>Forecast Growth Rate</b></td> </tr> <tr> <td></td> <td></td> <td><b>2017</b></td> <td><b>2018</b></td> <td><b>2019</b></td> <td></td> <td></td> </tr> <tr> <td>Honor Rancho Oil Rev</td> <td></td> <td>-45.11%</td> <td>7.56%</td> <td>96.53%</td> <td></td> <td></td> </tr> <tr> <td>Aliso Shallow Zone</td> <td></td> <td>17.41%</td> <td>-1.97%</td> <td>0.19%</td> <td></td> <td></td> </tr> <tr> <td>Aliso PEOC</td> <td></td> <td>-97.90%</td> <td>450.00%</td> <td>0.00%</td> <td></td> <td></td> </tr> <tr> <td>PECO Oil &amp; Gas LLC, et al</td> <td></td> <td>1.02%</td> <td>8.19%</td> <td>-2.36%</td> <td></td> <td></td> </tr> <tr> <td>PDR PECO Oil &amp; Gas LLC, et al Admin Fee</td> <td></td> <td>0.00%</td> <td>0.00%</td> <td>0.00%</td> <td></td> <td></td> </tr> <tr> <td colspan="8"><b>FORECAST = 5 Year Avg x Growth Rate</b></td> </tr> <tr> <td>Honor Rancho Oil Rev</td> <td></td> <td>939</td> <td>1,010</td> <td>1,985</td> <td></td> <td></td> </tr> <tr> <td>Aliso Shallow Zone</td> <td></td> <td>1,067</td> <td>1,046</td> <td>1,048</td> <td></td> <td></td> </tr> <tr> <td>Aliso PEOC</td> <td></td> <td>2</td> <td>11</td> <td>11</td> <td></td> <td></td> </tr> <tr> <td>PECO Oil &amp; Gas LLC, et al</td> <td></td> <td>745</td> <td>806</td> <td>787</td> <td></td> <td></td> </tr> <tr> <td>PDR PECO Oil &amp; Gas LLC, et al Admin Fee</td> <td></td> <td>15</td> <td>15</td> <td>15</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td><b>2,768</b></td> <td><b>2,888</b></td> <td><b>3,846</b></td> <td></td> <td></td> </tr> </tbody> </table> |                               |               |               |              |              |              |                |  | 2012 | 2013 | 2014 | 2015 | 2016 | 5 YR AVG | Honor Rancho Oil Rev | 9,219 | 5,401 | 3,574 | 3,092 | 1,711 | 4,599 | Aliso Shallow Zone | 2,415 | 4,472 | 5,012 | 1,741 | 909 | 2,910 | Aliso PEOC | 316 | 383 | 268 | 304 | 95 | 273 | PECO Oil & Gas LLC, et al | 3,154 | 1,880 | 2,617 | 1,140 | 737 | 1,906 | PDR PECO Oil & Gas LLC, et al Admin Fee | 15 | 15 | 15 | 15 | 15 | 15 |  | <b>15,119</b> | <b>12,151</b> | <b>11,485</b> | <b>6,291</b> | <b>3,467</b> | <b>9,703</b> | <b>Forecast Growth Rate</b> |  |  |  |  |  |  |  |  |  | <b>2017</b> | <b>2018</b> | <b>2019</b> |  |  | Honor Rancho Oil Rev |  | -45.11% | 7.56% | 96.53% |  |  | Aliso Shallow Zone |  | 17.41% | -1.97% | 0.19% |  |  | Aliso PEOC |  | -97.90% | 450.00% | 0.00% |  |  | PECO Oil & Gas LLC, et al |  | 1.02% | 8.19% | -2.36% |  |  | PDR PECO Oil & Gas LLC, et al Admin Fee |  | 0.00% | 0.00% | 0.00% |  |  | <b>FORECAST = 5 Year Avg x Growth Rate</b> |  |  |  |  |  |  |  | Honor Rancho Oil Rev |  | 939 | 1,010 | 1,985 |  |  | Aliso Shallow Zone |  | 1,067 | 1,046 | 1,048 |  |  | Aliso PEOC |  | 2 | 11 | 11 |  |  | PECO Oil & Gas LLC, et al |  | 745 | 806 | 787 |  |  | PDR PECO Oil & Gas LLC, et al Admin Fee |  | 15 | 15 | 15 |  |  |  |  | <b>2,768</b> | <b>2,888</b> | <b>3,846</b> |  |  |
|   | 2012                          | 2013          | 2014          | 2015         | 2016         | 5 YR AVG     |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Honor Rancho Oil Rev  | 9,219                         | 5,401         | 3,574         | 3,092        | 1,711        | 4,599        |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Aliso Shallow Zone  | 2,415                         | 4,472         | 5,012         | 1,741        | 909          | 2,910        |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Aliso PEOC  | 316                           | 383           | 268           | 304          | 95           | 273          |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| PECO Oil & Gas LLC, et al   | 3,154                         | 1,880         | 2,617         | 1,140        | 737          | 1,906        |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| PDR PECO Oil & Gas LLC, et al Admin Fee   | 15                            | 15            | 15            | 15           | 15           | 15           |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
|   | <b>15,119</b>                 | <b>12,151</b> | <b>11,485</b> | <b>6,291</b> | <b>3,467</b> | <b>9,703</b> |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| <b>Forecast Growth Rate</b>   |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
|   |                               | <b>2017</b>   | <b>2018</b>   | <b>2019</b>  |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Honor Rancho Oil Rev  |                               | -45.11%       | 7.56%         | 96.53%       |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Aliso Shallow Zone  |                               | 17.41%        | -1.97%        | 0.19%        |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Aliso PEOC  |                               | -97.90%       | 450.00%       | 0.00%        |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| PECO Oil & Gas LLC, et al   |                               | 1.02%         | 8.19%         | -2.36%       |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| PDR PECO Oil & Gas LLC, et al Admin Fee   |                               | 0.00%         | 0.00%         | 0.00%        |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| <b>FORECAST = 5 Year Avg x Growth Rate</b>  |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Honor Rancho Oil Rev  |                               | 939           | 1,010         | 1,985        |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Aliso Shallow Zone  |                               | 1,067         | 1,046         | 1,048        |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| Aliso PEOC  |                               | 2             | 11            | 11           |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| PECO Oil & Gas LLC, et al   |                               | 745           | 806           | 787          |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| PDR PECO Oil & Gas LLC, et al Admin Fee   |                               | 15            | 15            | 15           |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
|   |                               | <b>2,768</b>  | <b>2,888</b>  | <b>3,846</b> |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| <b>C. Summary of Results</b>  |                               |               |               |              |              |              |                |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
|   |                               |               |               |              |              |              | <b>Total</b>   |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| <b>Line</b>   | <b>Miscellaneous Revenues</b> |               |               |              |              |              | <b>(\$000)</b> |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| 1.  | <b>2016 Actual</b>            |               |               |              |              |              | 3,467          |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| 2.  | <b>2017 Estimated</b>         |               |               |              |              |              | 2,768          |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| 3.  | <b>2018 Estimated</b>         |               |               |              |              |              | 2,888          |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |
| 4.  | <b>2019 Test Year</b>         |               |               |              |              |              | 3,846          |  |      |      |      |      |      |          |                      |       |       |       |       |       |       |                    |       |       |       |       |     |       |            |     |     |     |     |    |     |                           |       |       |       |       |     |       |   |    |    |    |    |    |    |  |               |               |               |              |              |              |                             |  |  |  |  |  |  |  |  |  |             |             |             |  |  |                      |  |         |       |        |  |  |                    |  |        |        |       |  |  |            |  |         |         |       |  |  |                           |  |       |       |        |  |  |   |  |       |       |       |  |  |  |  |  |  |  |  |  |  |                      |  |     |       |       |  |  |                    |  |       |       |       |  |  |            |  |   |    |    |  |  |                           |  |     |     |     |  |  |   |  |    |    |    |  |  |  |  |              |              |              |  |  |

| <b>SOUTHERN CALIFORNIA GAS COMPANY</b>                      |                  |                  |                  |                  |                  |
|---|------------------|------------------|------------------|------------------|------------------|
| <b>MISCELLANEOUS REVENUES</b>                               |                  |                  |                  |                  |                  |
| <b>TAB 13A: FERC ACCOUNT 495 CRUDE OIL SALES</b>            |                  |                  |                  |                  |                  |
|   |                  | <b>2016</b>      | <b>2017</b>      | <b>2018</b>      | <b>2019</b>      |
| <b>PLAN</b>   | <b>Acct. No.</b> | <b>Total</b>     | <b>Total</b>     | <b>Total</b>     | <b>Total</b>     |
| Honor Rancho Oil Revenue \$                                 | 4370103          | 1,710,577        | 939,344          | 1,010,048        | 1,984,918        |
| Honor Rancho Oil Volume Bbl.                                |                  | 43,237           | 19,140           | 21,421           | 40,906           |
| Honor Rancho Oil Avg Price \$/Bbl.                          |                  | 39.56            | 49.08            | 47.15            | 48.52            |
| Growth Rate   |                  |                  | -0.45            | 0.08             | 0.97             |
| Aliso Shallow Zone Oil Revenue \$                           | 4370105          | 908,749          | 1,067,306        | 1,046,253        | 1,047,756        |
| Aliso Shallow Zone Oil Volume Bbl.                          |                  | 25,212           | 25,883           | 24,785           | 24,040           |
| Aliso Shallow Zone Oil Price \$/Bbl.                        |                  | 36.04            | 41.24            | 42.21            | 43.58            |
| Growth Rate   |                  |                  | 0.17             | -0.02            | 0.00             |
| Aliso PEOC Lifting Fee Revenue \$                           | 4370106          | 95,163           | 2,184            | 11,429           | 11,200           |
| Aliso PEOC Volume Bbl.                                      |                  | 22,986           | 528              | 2,761            | 2,705            |
| Aliso PEOC Lifting Fee \$/Bbl.                              |                  | 4.14             | 4.14             | 4.14             | 4.14             |
| Growth Rate   |                  |                  | -0.98            | 4.23             | -0.02            |
| SoCalGas Share of PECO Oil & Gas LLC, et al Oil Revenue \$  | 4370112          | 737,473          | 744,821          | 806,446          | 786,820          |
| SoCalGas Share of PECO Oil & Gas LLC, et al Oil Volume Bbl. |                  | 21,217           | 17,931           | 19,152           | 18,096           |
| PECO Oil & Gas LLC, et al Oil Price \$/Bbl.                 |                  | 34.76            | 41.54            | 42.11            | 43.48            |
| Growth Rate   |                  |                  | 0.01             | 0.08             | -0.02            |
| <b>Total Oil Misc Revenues</b>                              |                  | <b>3,451,962</b> | <b>2,753,656</b> | <b>2,874,175</b> | <b>3,830,693</b> |

**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 14: FERC ACCOUNT 495 STORAGE EMISSION CREDITS FORECAST**

**A. Account Description: # 14 Underground Storage Engine Emission Credits**

Goleta Storage Emission Credit revenues result from the lease of emission-offset credits at SoCalGas' Goleta natural gas storage facility.

**B. Forecast Methodology**

The 2019 forecast is based on a continuation of the contractual agreement with Chevron U.S.A. Corporation concerning the Point Arguello Project that was executed on February 5, 1988. The agreement provides for a fixed annual fee paid on a quarterly basis.

|   | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>4 YR AVG</u> |
|---|-------------|-------------|-------------|-------------|-------------|-----------------|
| <i>Goleta Chevron Emissions Credits</i>   | 767         | 1,023       | 1,023       | 1,023       | 1,023       | 1,023           |
| \$10,000 per ton                          |             |             |             |             |             |                 |
| Tons per calendar quarter of Nox          | X           | 25.58       |             |             |             |                 |
| Subtotal                                  |             | 255,800     |             |             |             |                 |
| Quarters per year                         | X           | 4           |             |             |             |                 |
| Annual Forecast                           |             | 1,023       |             |             |             |                 |
|   |             | <u>2017</u> | <u>2018</u> | <u>2019</u> |             |                 |
| <b>Forecast Growth Rate</b>               |             | 0.00%       | 0.00%       | 0.00%       |             |                 |
| <b>FORECAST = 2016 Year x Growth Rate</b> |             | 1,023       | 1,023       | 1,023       |             |                 |

**C. Summary of Results**

| Line | Miscellaneous Revenues | Total (\$000) |
|------|------------------------|---------------|
| 1.   | 2016 Actual            | 1,023         |
| 2.   | 2017 Estimated         | 1,023         |
| 3.   | 2018 Estimated         | 1,023         |
| 4.   | 2019 Test Year         | 1,023         |

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**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 15: FERC ACCOUNT 495 RETURNED CHECK CHARGE FORECAST**

**A. Account Description: # 15 Returned Check Charge**

The returned check charge is \$7.50, which is assessed to customers whose checks are returned from the bank for insufficient funds pursuant to SoCalGas Tariff Schedule/Rule 12.

**B. Forecast Methodology**

The 2019 estimate is based on a three year historical average (2014-2016). A three year historical average was adopted to reflect increased Field activity in 2016 and a sustained Field activity at a slightly decreased level.

|  |             |             |             |             |             |                              |
|--|-------------|-------------|-------------|-------------|-------------|------------------------------|
|  | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>3 YR AVG <sup>1</sup></b> |
| <i>Returned Check Charges Actual</i>       | 492         | 463         | 450         | 494         | 557         | 496                          |
|  | <b>2017</b> | <b>2018</b> | <b>2019</b> |             |             |                              |
| <b>Forecast Growth Rate</b>                | 0.00%       | 0.00%       | 0.00%       |             |             |                              |
| <b>FORECAST = 3 Year Avg x Growth Rate</b> | 496         | 496         | 496         |             |             |                              |

**C. Summary of Results**

| Line | Miscellaneous Revenues | Total<br>(\$000) |
|------|------------------------|------------------|
| 1.   | <b>2016 Actual</b>     | 557              |
| 2.   | <b>2017 Estimated</b>  | 496              |
| 3.   | <b>2018 Estimated</b>  | 496              |
| 4.   | <b>2019 Test Year</b>  | 496              |

<sup>(1)</sup> On tab 15a, 2016 was not updated to include 2016 recorded costs (it still included estimates for Oct - Dec).



| <b>SOUTHERN CALIFORNIA GAS COMPANY</b>  |         |         |         |         |         |     |
|---|---------|---------|---------|---------|---------|-----|
| <b>MISCELLANEOUS REVENUES</b>   |         |         |         |         |         |     |
| <b>TAB 15A: FERC ACCOUNT 495 RETURNED CHECK CHARGE</b>  |         |         |         |         |         |     |
|   |         |         |         |         |         |     |
|   |         |         |         |         |         |     |
| GL Account 4370006  |         |         |         |         |         |     |
|   |         |         |         |         |         |     |
|   | 2012    | 2013    | 2014    | 2015    | 2016    |     |
| Jan   | 51,444  | 39,889  | 42,270  | 43,553  | 50,703  |     |
| Feb   | 48,725  | 40,216  | 39,368  | 36,320  | 52,590  |     |
| Mar   | 43,739  | 42,139  | 39,283  | 42,968  | 50,311  |     |
| Apr   | 42,268  | 42,432  | 40,384  | 40,201  | 43,671  |     |
| May   | 42,785  | 41,130  | 34,414  | 37,081  | 41,775  |     |
| Jun   | 39,518  | 36,240  | 40,456  | 38,417  | 45,625  |     |
| Jul   | 38,603  | 40,539  | 41,107  | 44,950  | 44,512  |     |
| Aug   | 40,674  | 40,193  | 38,789  | 46,801  | 46,011  |     |
| Sep   | 34,744  | 35,480  | 34,799  | 42,852  | 46,864  |     |
| Oct   | 40,822  | 37,970  | 36,803  | 45,703  | 45,703  |     |
| Nov   | 34,984  | 30,224  | 27,668  | 33,811  | 33,811  |     |
| Dec   | 33,559  | 36,587  | 34,945  | 41,483  | 41,483  |     |
| Total   | 491,866 | 463,038 | 450,287 | 494,140 | 543,059 | (1) |
|   |         |         |         |         |         |     |
| 3 year average  |         | 495,828 |         |         |         |     |
| Forecast Years  |         |         | 2017    | 2018    | 2019    |     |
| Forecast Growth by Year -   |         |         | 0.0%    | 0.0%    | 0.0%    |     |
| Forecast  |         |         | 495,828 | 495,828 | 495,828 |     |
|   |         |         |         |         |         |     |
| Note: Any recorded revenue varies from those provided in original document. The results shown here reflect the balance in the account (net of credits & debits recorded in 4370006) |         |         |         |         |         |     |
|   |         |         |         |         |         |     |
|   |         |         |         |         |         |     |
| (1) 2016 included estimates for Oct - Dec. 2016 total actual returned check revenues were \$557,036.  |         |         |         |         |         |     |

**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 16: FERC ACCOUNT 495 INCOME TAX COMPONENT OF CONTRIBUTION-IN-AID-OF-CONSTRUCTION FORECAST**

**A. Account Description: # 16 Income Tax Component of Contribution-in-Aid-of-Construction (ITCCA)**

ITCCA represents the tax gross-up for contributions-in-aid-of-construction (CIAC) which became taxable under the Tax Reform Act of 1986.

**B. Forecast Methodology**

The 2019 forecast is based on the ongoing amortization of the ITCCA collected from 1987 through 2016 and the amortization of the forecasted ITCCA to be collected from 2017-2019.

|  | <b>2012</b> | <b>2013</b>           | <b>2014</b>           | <b>2015</b>           | <b>2016</b> | <b>5 YR AVG</b> |
|--|-------------|-----------------------|-----------------------|-----------------------|-------------|-----------------|
| <i>Amortization of ITCC</i>                | 4,387       | 3,211                 | 3,390                 | 3,624                 | 3,871       | 3,697           |
| <b>Forecast Growth Rate</b>                |             | <b>2017</b><br>18.15% | <b>2018</b><br>21.22% | <b>2019</b><br>13.59% |             |                 |
| <b>FORECAST = 5 Year Avg x Growth Rate</b> |             | 4,574                 | 5,544                 | 6,297                 |             |                 |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 3,871                |
| 2.          | <b>2017 Estimated</b>         | 4,574                |
| 3.          | <b>2018 Estimated</b>         | 5,544                |
| 4.          | <b>2019 Test Year</b>         | 6,297                |

**SOUTHERN CALIFORNIA GAS COMPANY**

**GRC - MISCELLANEOUS REVENUE**

**ITCC AMORTIZATION 2016 - 2019**

|                   | Actual<br>2016<br>CIAC | Actual<br>2016<br>CAC | Actual<br>2016<br>Total | Forecast<br>2017<br>CIAC | Forecast<br>2017<br>CAC | Forecast<br>2017<br>Total | Forecast<br>2018<br>CIAC | Forecast<br>2018<br>CAC | Forecast<br>2018<br>Total | Forecast<br>2019<br>CIAC | Forecast<br>2019<br>CAC | Forecast<br>2019<br>Total |
|-------------------|------------------------|-----------------------|-------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|---------------------------|
| ITCC AMORTIZATION |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1987              |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1988              |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1989              |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1990              |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1991              |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1992              |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1993              |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1994              |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1995              |                        |                       | 0                       |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1996              | 1,161                  |                       | 1,161                   |                          |                         | 0                         |                          |                         | 0                         |                          |                         | 0                         |
| 1997              | 3,252                  |                       | 3,252                   | 1,633                    |                         | 1,633                     |                          |                         | 0                         |                          |                         | 0                         |
| 1998              | 1,174                  |                       | 1,174                   | 1,174                    |                         | 1,174                     | 590                      |                         | 590                       |                          |                         | 0                         |
| 1999              | (1,652)                |                       | (1,652)                 | (1,652)                  |                         | (1,652)                   | (1,652)                  |                         | (1,652)                   | (830)                    |                         | (830)                     |
| 2000              | 32,085                 | 47,310                | 79,395                  | 32,085                   | 47,310                  | 79,395                    | 32,085                   | 47,310                  | 79,395                    | 32,085                   | 47,310                  | 79,395                    |
| 2001              | 11,623                 | 42,675                | 54,298                  | 11,623                   | 42,675                  | 54,298                    | 11,623                   | 42,675                  | 54,298                    | 11,623                   | 42,675                  | 54,298                    |
| 2002              | 68,976                 | 108,887               | 177,863                 | 68,976                   | 108,887                 | 177,863                   | 68,976                   | 108,887                 | 177,863                   | 68,976                   | 108,887                 | 177,863                   |
| 2003              | 40,097                 | 65,464                | 105,561                 | 40,097                   | 65,464                  | 105,561                   | 40,097                   | 65,464                  | 105,561                   | 40,097                   | 65,464                  | 105,561                   |
| 2004              | 41,046                 | 82,215                | 123,261                 | 41,046                   | 82,215                  | 123,261                   | 41,046                   | 82,215                  | 123,261                   | 41,046                   | 82,215                  | 123,261                   |
| 2005              | 428,105                | 130,365               | 558,470                 | 428,831                  | 130,586                 | 559,417                   | 428,105                  | 130,365                 | 558,470                   | 428,831                  | 130,586                 | 559,417                   |
| 2006              | 83,888                 | 120,790               | 204,678                 | 83,746                   | 120,586                 | 204,332                   | 83,888                   | 120,790                 | 204,678                   | 83,746                   | 120,586                 | 204,332                   |
| 2007              | 22,147                 | 169,801               | 191,948                 | 22,184                   | 170,089                 | 192,273                   | 22,147                   | 169,801                 | 191,948                   | 22,184                   | 170,089                 | 192,273                   |
| 2008              | 52,027                 | 147,455               | 199,482                 | 51,939                   | 147,205                 | 199,144                   | 52,027                   | 147,455                 | 199,482                   | 51,939                   | 147,205                 | 199,144                   |
| 2009              | 352,055                | 150,713               | 502,768                 | 352,651                  | 150,968                 | 503,619                   | 352,055                  | 150,713                 | 502,768                   | 352,651                  | 150,968                 | 503,619                   |
| 2010              | 163,311                | 147,716               | 311,027                 | 163,311                  | 147,716                 | 311,027                   | 163,588                  | 147,967                 | 311,555                   | 163,311                  | 147,716                 | 311,027                   |
| 2011              | 27,837                 | 132,400               | 160,237                 | 25,732                   | 122,388                 | 148,120                   | 23,785                   | 113,128                 | 136,913                   | 23,470                   | 111,626                 | 135,096                   |
| 2012              | 69,802                 | 90,477                | 160,279                 | 64,668                   | 83,822                  | 148,490                   | 59,778                   | 77,484                  | 137,262                   | 55,255                   | 71,621                  | 126,876                   |
| 2013              | 33,921                 | 109,765               | 143,686                 | 31,341                   | 101,417                 | 132,758                   | 29,036                   | 93,957                  | 122,993                   | 26,840                   | 86,853                  | 113,693                   |
| 2014              | 322,263                | 106,807               | 429,070                 | 298,142                  | 98,812                  | 396,954                   | 275,467                  | 91,297                  | 366,764                   | 255,205                  | 84,582                  | 339,787                   |
| 2015              | 135,569                | 94,537                | 230,106                 | 125,429                  | 87,466                  | 212,895                   | 116,041                  | 80,920                  | 196,961                   | 107,216                  | 74,765                  | 181,981                   |
| 2016              | 81,412                 | 153,303               | 234,715                 | 156,745                  | 295,159                 | 451,904                   | 145,022                  | 273,083                 | 418,105                   | 134,167                  | 252,643                 | 386,810                   |
| 2017              | 0                      | 0                     | 0                       | 203,768                  | 367,431                 | 571,199                   | 392,321                  | 707,428                 | 1,099,749                 | 362,979                  | 654,518                 | 1,017,496                 |
| 2018              | 0                      | 0                     | 0                       | 0                        | 0                       | 0                         | 191,581                  | 365,477                 | 557,057                   | 368,856                  | 703,665                 | 1,072,521                 |
| 2019              | 0                      | 0                     | 0                       | 0                        | 0                       | 0                         | 0                        | 0                       | 0                         | 69,579                   | 344,229                 | 413,808                   |
| Total             | 1,970,099              | 1,900,680             | 3,870,779               | 2,203,469                | 2,370,196               | 4,573,665                 | 2,527,606                | 3,016,416               | 5,544,022                 | 2,699,226                | 3,598,203               | 6,297,429                 |

\* Fully Amortized

ITCC represents the tax gross-up for contributions-in-aid of construction (CIAC).

ITCC is amortized into revenue over the life of the related property.

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**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 17: FERC ACCOUNT 495 TRAINING ACTIVITY**

**A. Account Description: # 17 Training Activity**

SoCalGas receives revenues for providing distribution and customer services field training, particularly welding training, welding re-certification/re-qualifying, to various third party companies/contractors and other utilities involved in such activities.

**B. Forecast Methodology**

Forecast Methodology for 2017 thru 2019: Use the three year linear.

|                                    | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>5 YR AVG</b> |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|-----------------|
| <i>Sundry Trng Labor</i>           | 146         | 166         | 223         | 260         | 270         | 213             |
| <i>Sundry Trng Materials</i>       | 66          | 84          | 110         | 127         | 145         | 107             |
| <i>Oper Qualification Training</i> | 0           | 0           | 0           | 0           | 0           | 0               |
|                                    | <b>212</b>  | <b>250</b>  | <b>333</b>  | <b>387</b>  | <b>415</b>  | <b>320</b>      |

**Forecast Growth Rate**

|                                    | <b>2017</b> | <b>2018</b> | <b>2019</b> |
|------------------------------------|-------------|-------------|-------------|
| <i>Sundry Trng Labor</i>           | 10.42%      | 7.89%       | 7.31%       |
| <i>Sundry Trng Materials</i>       | 11.87%      | 10.72%      | 9.68%       |
| <i>Oper Qualification Training</i> | 0.00%       | 0.00%       | 0.00%       |

**FORECAST = 3 Year Linear**

|                                    |            |            |            |
|------------------------------------|------------|------------|------------|
| <i>Sundry Trng Labor</i>           | 298        | 321        | 345        |
| <i>Sundry Trng Materials</i>       | 163        | 180        | 197        |
| <i>Oper Qualification Training</i> | 0          | 0          | 0          |
|                                    | <b>460</b> | <b>501</b> | <b>542</b> |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 415                  |
| 2.          | <b>2017 Estimated</b>         | 460                  |
| 3.          | <b>2018 Estimated</b>         | 501                  |
| 4.          | <b>2019 Test Year</b>         | 542                  |

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**SOUTHERN CALIFORNIA GAS COMPANY**  
**MISCELLANEOUS REVENUES**  
**TAB 18: FERC ACCOUNT 495 LINE ITEM BILLING FORECAST**

**A. Account Description: # 18 Line Item Billing**

The service is offered to qualified third parties providing energy-related and home safety-related products and/or services to residential and small commercial industrial customers within The Gas Company service territory.

**B. Forecast Methodology**

The Commerce Energy forecast is based on a 5-year and adjusted for expectation of dropping enrollments.

Commerce Energy began marketing UDC billing to residential customers in summer 2016. Expectation is that marketing campaign will end and enrollments will begin dropping again by Jan. 2017.

|  |  | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>5 YR AVG</b> |
|--|--|-------------|-------------|-------------|-------------|-------------|-----------------|
|  | <i>Commerce Energy</i>                     | 75          | 63          | 58          | 56          | 59          | 62              |
|  | Total                                      | 75          | 63          | 58          | 56          | 59          | 62              |
|  | <b>Forecast Growth Rate -</b>              |             | <b>2017</b> | <b>2018</b> | <b>2019</b> |             |                 |
|  | <i>Commerce Energy</i>                     |             | -13%        | 20%         | 0%          |             |                 |
|  | <b>FORECAST = 5 Year Avg x Growth Rate</b> |             |             |             |             |             |                 |
|  | <i>Commerce Energy</i>                     |             | 54          | 65          | 65          |             |                 |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 59                   |
| 2.          | <b>2017 Estimated</b>         | 54                   |
| 3.          | <b>2018 Estimated</b>         | 65                   |
| 4.          | <b>2019 Test Year</b>         | 65                   |

| SOUTHERN CALIFORNIA GAS COMPANY  |             |                               |                      |                                   |             |                |             |             |                 |
|--|-------------|-------------------------------|----------------------|-----------------------------------|-------------|----------------|-------------|-------------|-----------------|
| MISCELLANEOUS REVENUES   |             |                               |                      |                                   |             |                |             |             |                 |
| TAB 18A: FERC ACCOUNT 495 LINE ITEM BILLING  |             |                               |                      |                                   |             |                |             |             |                 |
| <b>A. Account Description: # 18A Line Item Billing</b>   |             |                               |                      |                                   |             |                |             |             |                 |
| The service is offered to qualified third parties providing energy-related and home safety-related products and/or services to residential and small commercial industrial customers within The Gas Company service territory.                           |             |                               |                      |                                   |             |                |             |             |                 |
| <b>B. Forecast Methodology</b>   |             |                               |                      |                                   |             |                |             |             |                 |
| The Home Serve 2017 forecast is based on 5 Yr Avg; Assuming decreasing growth rates based on uncertainty of future market potential, sustaining vendor relationship, and limited qualified vendor pool offering kind-for-kind product/service offerings. |             |                               |                      |                                   |             |                |             |             |                 |
|  |             |                               |                      | <b>2012</b>                       | <b>2013</b> | <b>2014</b>    | <b>2015</b> | <b>2016</b> | <b>5 YR AVG</b> |
| <i>Home Serve</i>  |             |                               |                      | 635                               | 1,118       | 2,373          | 4,267       | 5,083       | 2,695           |
| <b>Total</b>   |             |                               |                      | 635                               | 1,118       | 2,373          | 4,267       | 5,083       | 2,695           |
| <b>Forecast Growth Rate -</b>  |             |                               |                      |                                   | <b>2017</b> | <b>2018</b>    | <b>2019</b> |             |                 |
| <i>Home Serve</i>  |             |                               |                      |                                   | 105.50%     | -20.00%        | -83.33%     |             |                 |
| <b>FORECAST = 5 Year Avg x Growth Rate</b>   |             |                               |                      |                                   |             |                |             |             |                 |
| <i>Home Serve</i>  |             |                               |                      |                                   | 5,539       | 4,431          | 739         |             |                 |
| <b>Total</b>   |             |                               |                      |                                   | 5,539       | 4,431          | 739         |             |                 |
| <b>C. Summary of Results</b>   |             |                               |                      |                                   |             |                |             |             |                 |
|  | <b>Line</b> | <b>Miscellaneous Revenues</b> |                      |                                   |             | <b>Total</b>   |             |             |                 |
|  |             |                               |                      |                                   |             | <b>(\$000)</b> |             |             |                 |
|  | 1.          | <b>2016 Actual</b>            |                      |                                   |             | 5,083          |             |             |                 |
|  | 2.          | <b>2017 Estimated</b>         |                      |                                   |             | 5,539          |             |             |                 |
|  | 3.          | <b>2018 Estimated</b>         |                      |                                   |             | 4,431          |             |             |                 |
|  | 4.          | <b>2019 Test Year</b>         | SCG/Ex. No: SCG-41-W | P-2R /Witness: Annette M. Steffen |             | 739            |             |             |                 |

**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 19: FERC ACCOUNT 495 FEDERAL ENERGY RETROFIT PROGRAM FORECAST**

**A. Account Description: # 19 Federal Energy Retrofit Program (FERP)**

Under Executive Order 13132, the U.S. Government is authorized and encouraged to enter into contracts with local utilities to expedite and facilitate the implementation of cost effective energy and water conservation measures. SoCalGas' FERP program offers this service to Federal Customers in its service territory.

**B. Forecast Methodology**

The 2019 forecast is based on the expected net revenue from forecasted contracts with various federal entities and level of financing allowable by the U.S. Government.

1) SoCalGas' expectation of reduced Navy contracts due to being limited to lender-financed projects was realized after the 2016 GRC cycle. SoCalGas anticipates this reduced level of activity to continue into this 2019 GRC cycle. As an example, SoCalGas has not executed an UESC contract since November 2014.

|  | 2012  | 2013  | 2014  | 2015  | 2016  | 5 YR AVG |
|--|-------|-------|-------|-------|-------|----------|
| <i>Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)</i> | 9,831 | 8,648 | 5,839 | 8,625 | 2,476 | 7,084    |
| <i>FERC 495 O&amp;M (Expense)</i>                          | 8,971 | 7,894 | 5,309 | 7,899 | 2,110 | 6,437    |
| <i>Profit</i>  | 860   | 753   | 530   | 726   | 366   | 647      |

|  | 2017    | 2018   | 2019    |
|--|---------|--------|---------|
| <b>Forecast Growth Rate</b>                                | -79.96% | 97.88% | -56.28% |
| <b>FORECAST = 5 Year Avg x Growth Rate</b>                 |         |        |         |
| <i>Other Rev Gas - Federal Proj Mgmt - (Gross Revenue)</i> | 1,365   | 2,701  | 1,181   |
| <i>FERC 495 O&amp;M (Expense)</i>                          | 1,235   | 2,444  | 1,069   |
| <i>Profit</i>  | 130     | 257    | 112     |

**C. Summary of Results**

| Line | Miscellaneous Revenues | Total (\$000) |
|------|------------------------|---------------|
| 1.   | 2016 Estimated         | 366           |
| 2.   | 2017 Estimated         | 130           |
| 3.   | 2018 Estimated         | 257           |
| 4.   | 2019 Test Year         | 112           |

**SOUTHERN CALIFORNIA GAS COMPANY  
MISCELLANEOUS REVENUES**

**TAB 19A: FERC ACCOUNT 495 FEDERAL ACCOUNTS - GOVERNMENTAL TURNKEY PROJECT PROFIT CALCULATION**

**Federal Accounts - Governmental Turnkey Project  
GRC Profits for 2017-2019 Backup**

| Billed & Unbilled Contract Value | Existing Contract Value (Burn Rate) | Revenue Recognition Burn Rate (New Contracts) |                  |          |                |          | Orig Bal - Burn Rate | Beg Balance | Contract Adds    | Revenue          | End Balance |
|----------------------------------|-------------------------------------|---|------------------|----------|----------------|----------|----------------------|-------------|------------------|------------------|-------------|
|                                  |                                     | 2017  | 2018             | 2019     | 2020           | 2021     |                      |             |                  |                  |             |
| Beg Bal                          | (978,826)                           |   |                  |          |                |          |                      |             |                  |                  |             |
| 1/1/2017                         | 1 (924,447)                         |   |                  |          |                |          | (924,447)            | (924,447)   |                  | 54,379           | (870,068)   |
| 2/1/2017                         | 2 (870,068)                         |   |                  |          |                |          | (870,068)            | (870,068)   |                  | 54,379           | (815,689)   |
| 3/1/2017                         | 3 (815,689)                         |   |                  |          |                |          | (815,689)            | (815,689)   |                  | 54,379           | (761,309)   |
| 4/1/2017                         | 4 (761,309)                         |   |                  |          |                |          | (761,309)            | (761,309)   |                  | 54,379           | (706,930)   |
| 5/1/2017                         | 5 (706,930)                         |   |                  |          |                |          | (706,930)            | (706,930)   |                  | 54,379           | (652,551)   |
| 6/1/2017                         | 6 (652,551)                         |   |                  |          |                |          | (652,551)            | (652,551)   |                  | 54,379           | (598,172)   |
| 7/1/2017                         | 7 (598,172)                         | 237,500                                       |                  |          |                |          | (360,672)            | (598,172)   | 3,800,000        | 291,879          | 3,493,708   |
| 8/1/2017                         | 8 (543,792)                         | 237,500                                       |                  |          |                |          | (306,292)            | 3,493,708   |                  | 291,879          | 3,785,587   |
| 9/1/2017                         | 9 (489,413)                         | 237,500                                       |                  |          |                |          | (251,913)            | 3,785,587   |                  | 291,879          | 4,077,466   |
| 10/1/2017                        | 10 (435,034)                        | 237,500                                       |                  |          |                |          | (197,534)            | 4,077,466   |                  | 291,879          | 4,369,345   |
| 11/1/2017                        | 11 (380,655)                        | 237,500                                       |                  |          |                |          | (143,155)            | 4,369,345   |                  | 291,879          | 4,661,225   |
| 12/1/2017                        | 12 (326,275)                        | 237,500                                       |                  |          |                |          | (88,775)             | 4,661,225   |                  | 291,879          | 4,953,104   |
| 1/1/2018                         | 13 (271,896)                        | 237,500                                       |                  |          |                |          | (34,396)             | 4,953,104   |                  | 291,879          | 5,244,983   |
| 2/1/2018                         | 14 (217,517)                        | 237,500                                       |                  |          |                |          | 19,983               | 5,244,983   |                  | 291,879          | 5,536,862   |
| 3/1/2018                         | 15 (163,138)                        | 237,500                                       |                  |          |                |          | 74,362               | 5,536,862   |                  | 291,879          | 5,828,742   |
| 4/1/2018                         | 16 (108,758)                        | 237,500                                       |                  |          |                |          | 128,742              | 5,828,742   |                  | 291,879          | 6,120,621   |
| 5/1/2018                         | 17 (54,379)                         | 237,500                                       |                  |          |                |          | 183,121              | 6,120,621   |                  | 291,879          | 6,412,500   |
| 6/1/2018                         | 18 (0)                              | 237,500                                       |                  |          |                |          | 237,500              | 6,412,500   |                  | 291,879          | 6,704,379   |
| 7/1/2018                         | 19                                  | 79,167  |                  |          |                |          | 79,167               | 6,704,379   |                  | 79,167           | 6,783,546   |
| 8/1/2018                         | 20                                  | 79,167  |                  |          |                |          | 79,167               | 6,783,546   |                  | 79,167           | 6,862,713   |
| 9/1/2018                         | 21                                  | 79,167  |                  |          |                |          | 79,167               | 6,862,713   |                  | 79,167           | 6,941,879   |
| 10/1/2018                        | 22                                  | 79,167  |                  |          |                |          | 79,167               | 6,941,879   |                  | 79,167           | 7,021,046   |
| 11/1/2018                        | 23                                  | 79,167  |                  |          |                |          | 79,167               | 7,021,046   |                  | 79,167           | 7,100,213   |
| 12/1/2018                        | 24                                  | 79,167  |                  |          |                |          | 79,167               | 7,100,213   |                  | 79,167           | 7,179,379   |
| 1/1/2019                         | 25                                  | 79,167  |                  |          |                |          | 79,167               | 7,179,379   |                  | 79,167           | 7,258,546   |
| 2/1/2019                         | 26                                  | 79,167  |                  |          |                |          | 79,167               | 7,258,546   |                  | 79,167           | 7,337,713   |
| 3/1/2019                         | 27                                  | 79,167  |                  |          |                |          | 79,167               | 7,337,713   |                  | 79,167           | 7,416,879   |
| 4/1/2019                         | 28                                  | 79,167  |                  |          |                |          | 79,167               | 7,416,879   |                  | 79,167           | 7,496,046   |
| 5/1/2019                         | 29                                  | 79,167  |                  |          |                |          | 79,167               | 7,496,046   |                  | 79,167           | 7,575,213   |
| 6/1/2019                         | 30                                  | 79,167  |                  |          |                |          | 79,167               | 7,575,213   |                  | 79,167           | 7,654,379   |
| 7/1/2019                         | 31                                  |   |                  |          |                |          | -                    | 7,654,379   |                  | -                | 7,654,379   |
| 8/1/2019                         | 32                                  |   |                  | 156,250  |                |          | 156,250              | 7,654,379   | 2,500,000        | 156,250          | 10,310,629  |
| 9/1/2019                         | 33                                  |   |                  | 156,250  |                |          | 156,250              | 10,310,629  |                  | 156,250          | 10,466,879  |
| 10/1/2019                        | 34                                  |   |                  | 156,250  |                |          | 156,250              | 10,466,879  |                  | 156,250          | 10,623,129  |
| 11/1/2019                        | 35                                  |   |                  | 156,250  |                |          | 156,250              | 10,623,129  |                  | 156,250          | 10,779,379  |
| 12/1/2019                        | 36                                  |   |                  | 156,250  |                |          | 156,250              | 10,779,379  |                  | 156,250          | 10,935,629  |
|                                  |                                     |   | <b>3,800,000</b> | <b>-</b> | <b>781,250</b> | <b>-</b> | <b>(3,738,774)</b>   |             | <b>6,300,000</b> | <b>5,560,076</b> |             |

|                | Amount    | Term (Months) | Total Revenue | Profit % | Total Profit | Gas Percentage | Gas Revenue | Gas Profit |
|----------------|-----------|---------------|---------------|----------|--------------|----------------|-------------|------------|
| Contracts 2017 | 3,800,000 | 24            | 2,077,551     | 9.50%    | 197,367      | 100%           | 2,077,551   | 197,367    |
| Contracts 2018 | -         | 24            | 2,226,275     | 9.50%    | 211,496      | 100%           | 2,226,275   | 211,496    |
| Contracts 2019 | 2,500,000 | 24            | 1,256,250     | 9.50%    | 119,344      | 100%           | 1,256,250   | 119,344    |

| Profits            | Total      | Model   |
|--------------------|------------|---------|
| 2015 Actuals       | 726        | Revenue |
| 2016 Actuals       | 366*       | Cost    |
| 2017 Estimated     | 197        | Profit  |
| 2018 Estimated     | 211        |         |
| <b>GRC 2019 TY</b> | <b>119</b> |         |



| SOUTHERN CALIFORNIA GAS COMPANY   |  |  |                               |             |             |                |             |            |
|---|--|--|-------------------------------|-------------|-------------|----------------|-------------|------------|
| MISCELLANEOUS REVENUES  |  |  |                               |             |             |                |             |            |
| TAB 20: FERC ACCOUNT 495 MISCELLANEOUS OTHER GAS REVENUES FORECAST  |  |  |                               |             |             |                |             |            |
| <b>A. Account Description: # 20 Other Revenues</b>  |  |  |                               |             |             |                |             |            |
| Miscellaneous Other Revenues consist of other items not reflected above, including mapping services, Land & Right of Way, Aliso Canyon property and reclaim credit revenues. Land & Right of Way line item is distinct from mapping services (Geographic Services); costs for Land & Right of Way are associated administrative fees for property rights documentation. |  |  |                               |             |             |                |             |            |
| Difference in Mapping services is strictly representing fees for atlas requests and Will Serve letters. Previous revenues was for license sales which are no longer offered.  |  |  |                               |             |             |                |             |            |
| <b>B. Forecast Methodology</b>  |  |  |                               |             |             |                |             |            |
| The 2019 forecast is based on primarily 2016 recorded results. Using a 3 year average for Geographic Services.  |  |  |                               |             |             |                |             |            |
|   |  |  | <b>2012</b>                   | <b>2013</b> | <b>2014</b> | <b>2015</b>    | <b>2016</b> | <b>AVG</b> |
|   |  | <i>Geographic Services - 3 Year Average</i>                  | 73                            | 80          | 78          | 88             | 88          | 85         |
|   |  | <sup>1</sup> <i>Land &amp; Right of Way - 3 Year Average</i> | 13                            | 13          | 11          | 20             | 10          | 14         |
|   |  | <i>Aliso Crimson - 5 Year Average</i>                        | 63                            | 77          | 75          | 73             | 69          | 71         |
|   |  | <i>Aliso Termo - 5 Year Average</i>                          | 43                            | 45          | 44          | 40             | 34          | 41         |
|   |  | <i>Aliso Road Access Fees - 5 Year Average</i>               | 2                             | 10          | 10          | 11             | 8           | 8          |
|   |  | <i>Aliso Canyon Reclaim Trading Credits - 5 Year Average</i> | 0                             | 7           | 20          | 0              | 97          | 25         |
|   |  |  | <b>194</b>                    | <b>231</b>  | <b>239</b>  | <b>232</b>     | <b>306</b>  | <b>244</b> |
|   |  | <b>Forecast Growth Rate</b>                                  |                               | <b>2017</b> | <b>2018</b> | <b>2019</b>    |             |            |
|   |  | <i>Geographic Services</i>                                   |                               | -3.68%      | 0.00%       | 0.00%          |             |            |
|   |  | <i>Land &amp; Right of Way</i>                               |                               | 34.78%      | 0.00%       | 0.00%          |             |            |
|   |  | <i>Aliso Crimson</i>   |                               | -13.19%     | 0.00%       | 0.00%          |             |            |
|   |  | <i>Aliso Termo</i>   |                               | 7.29%       | 0.00%       | 0.00%          |             |            |
|   |  | <i>Aliso Road Access Fees</i>                                |                               | 200.00%     | 0.00%       | 0.00%          |             |            |
|   |  | <i>Aliso Canyon Reclaim Trading Credits</i>                  |                               | -100.00%    | 0.00%       | 0.00%          |             |            |
|   |  | <b>FORECAST = 5 Year Avg x Growth Rate</b>                   |                               |             |             |                |             |            |
|   |  | <i>Geographic Services</i>                                   |                               | 85          | 85          | 85             |             |            |
|   |  | <i>Land &amp; Right of Way</i>                               |                               | 14          | 14          | 14             |             |            |
|   |  | <i>Aliso Crimson</i>   |                               | 60          | 60          | 60             |             |            |
|   |  | <i>Aliso Termo</i>   |                               | 36          | 36          | 36             |             |            |
|   |  | <i>Aliso Road Access Fees</i>                                |                               | 24          | 24          | 24             |             |            |
|   |  | <i>Aliso Canyon Reclaim Trading Credits</i>                  |                               | 0           | 0           | 657            |             |            |
|   |  |  |                               | <b>219</b>  | <b>219</b>  | <b>875</b>     |             |            |
| <b>C. Summary of Results</b>  |  |  |                               |             |             |                |             |            |
|   |  |  |                               |             |             | <b>Total</b>   |             |            |
|   |  | <b>Line</b>  | <b>Miscellaneous Revenues</b> |             |             | <b>(\$000)</b> |             |            |
|   |  | 1.   | <b>2016 Actual</b>            |             |             | 306            |             |            |
|   |  | 2.   | <b>2017 Estimated</b>         |             |             | 219            |             |            |
|   |  | 3.   | <b>2018 Estimated</b>         |             |             | 219            |             |            |
|   |  | 4.   | <b>2019 Test Year</b>         |             |             | 875            |             |            |

<sup>1</sup> Included in this GRC is Land & Right of Way Revenues. SCG/Enr. SCG-41-WP-2R /Witness: Annette M. Steffen

**SOUTHERN CALIFORNIA GAS COMPANY**

**MISCELLANEOUS REVENUES**

**TAB 21: FERC ACCOUNT 495 MICROWAVE BANDWIDTH LEASE REVENUE FORECAST**

**A. Account Description: # 21 Microwave Bandwidth Lease Revenue**

This revenue is for the leasing of excess capacity on the company's microwave network to a third party (Kinder Morgan/El Paso Energy). This lease has a right to terminate clause if the capacity is needed for internal use by SoCalGas.

**B. Forecast Methodology**

We do not have any indication of a change to the lease requirements by the lessee and overall telecom costs for this area are static (initiated in 2000) which is why we do not anticipate any change in revenue.

|  | <b>2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>5 YR AVG</b> |
|--|-------------|-------------|-------------|-------------|-------------|-----------------|
| <i>Microwave Bandwidth Lease Revenue</i>   | 27          | 40          | 27          | 24          | 31          | 30              |
|  |             | <b>2017</b> | <b>2018</b> | <b>2019</b> |             |                 |
| <b>Forecast Growth Rate</b>                |             | 0.00%       | 0.00%       | 0.00%       |             |                 |
| <b>FORECAST = 5 Year Avg x Growth Rate</b> |             | 30          | 30          | 30          |             |                 |

**C. Summary of Results**

| <b>Line</b> | <b>Miscellaneous Revenues</b> | <b>Total (\$000)</b> |
|-------------|-------------------------------|----------------------|
| 1.          | <b>2016 Actual</b>            | 31                   |
| 2.          | <b>2017 Estimated</b>         | 30                   |
| 3.          | <b>2018 Estimated</b>         | 30                   |
| 4.          | <b>2019 Test Year</b>         | 30                   |

**NOTES**

Contracted amount is \$26,714.88/year

2013 - lessee overpaid by \$12,966.70 (5.8 months)

2015 - lessee underpaid by \$2,226.24 (1 month)

2016 - lessee met contracted amount by October, 2 months additional paid

\$0 authorized in 2015, new in 2016 GRC

**Variance (\$2K) between 2016 authorized and 2019 forecasted amount is due to 2016 authorized being based on the 5 year average (as of September 2016). Based on 2016 actuals, 5 year average is \$30K.**

**SOUTHERN CALIFORNIA GAS COMPANY  
MISCELLANEOUS REVENUES  
TAB 22: FERC ACCOUNT 495 OWNERSHIP CHARGES FORECAST**

**A. Account Description: # 22 Ownership Charges**

Monthly ownership charges are derived by applying the cost-of-ownership rate to the un-refunded refundable balance as of the 37th month after the ready-to-serve date. The ownership charges will be taken into consideration in deriving the refunds and the forfeitures at the end of the project life pursuant to Rules 20 and 21.

**B. Forecast Methodology**

The forecast is based on a 3yr average. Forecast numbers represents a decline in years 2017 and 2018 due to the economic recovery and a decrease in the ownership charge rate.

|  | 2012  | 2013            | 2014           | 2015           | 2016  | 3 YR AVG |
|--|-------|-----------------|----------------|----------------|-------|----------|
| <i>Un-refunded CAC Balance</i>             | 4,462 | 4,968           | 4,828          | 4,450          | 3,270 | 4,183    |
| <b>Forecast Growth Rate</b>                |       | 2017<br>-14.87% | 2018<br>-5.10% | 2019<br>-3.05% |       |          |
| <b>FORECAST = 3 Year Avg x Growth Rate</b> |       | 3,561           | 3,379          | 3,276          |       |          |

**C. Summary of Results**

| Line | Miscellaneous Revenues | Total (\$000) |
|------|------------------------|---------------|
| 1.   | 2016 Actual            | 3,270         |
| 2.   | 2017 Estimated         | 3,561         |
| 3.   | 2018 Estimated         | 3,379         |
| 4.   | 2019 Test Year         | 3,276         |

**2012**

| Period  | Debit         | Credit        | Balance        | Cumulative balance |
|---------|---------------|---------------|----------------|--------------------|
| Balance | 0.00          | 0.00          | 0.00           | 0.00               |
| 1       | 17,172,870.88 | 17,182,923.82 | (10,052.94)    | (10,052.94)        |
| 2       | 444,637.36    | 464,955.03    | (20,317.67)    | (30,370.61)        |
| 3       | 553,812.75    | 587,984.12    | (34,171.37)    | (64,541.98)        |
| 4       | 489,511.04    | 536,849.78    | (47,338.74)    | (111,880.72)       |
| 5       | 702,298.97    | 767,793.88    | (65,494.91)    | (177,375.63)       |
| 6       | 119,996.64    | 122,586.40    | (2,589.76)     | (179,965.39)       |
| 7       | 1,174,210.29  | 1,302,385.76  | (128,175.47)   | (308,140.86)       |
| 8       | 818,006.86    | 896,268.29    | (78,261.43)    | (386,402.29)       |
| 9       | 595,406.22    | 654,410.15    | (59,003.93)    | (445,406.22)       |
| 10      | 698,951.51    | 762,202.83    | (63,251.32)    | (508,657.54)       |
| 11      | 570,573.35    | 626,975.20    | (56,401.85)    | (565,059.39)       |
| 12      | 14,245,941.01 | 18,142,854.31 | (3,896,913.30) | (4,461,972.69)     |
| 13      | 0.00          | 0.00          | 0.00           | (4,461,972.69)     |
| 14      | 0.00          | 0.00          | 0.00           | (4,461,972.69)     |
| 15      | 0.00          | 0.00          | 0.00           | (4,461,972.69)     |
| 16      | 0.00          | 0.00          | 0.00           | (4,461,972.69)     |
| Total   | 37,586,216.88 | 42,048,189.57 | (4,461,972.69) | (4,461,972.69)     |

**2013**

| Period  | Debit         | Credit        | Balance        | Cumulative balance |
|---------|---------------|---------------|----------------|--------------------|
| Balance | 0.00          | 0.00          | 0.00           | 0.00               |
| 1       | 1,689,879.84  | 1,784,496.47  | (94,616.63)    | (94,616.63)        |
| 2       | 990,704.83    | 1,018,873.94  | (28,169.11)    | (122,785.74)       |
| 3       | 1,193,414.45  | 1,259,961.54  | (66,547.09)    | (189,332.83)       |
| 4       | 1,097,542.94  | 1,131,659.59  | (34,116.65)    | (223,449.48)       |
| 5       | 1,062,637.61  | 1,116,546.08  | (53,908.47)    | (277,357.95)       |
| 6       | 1,342,620.16  | 1,438,614.13  | (95,993.97)    | (373,351.92)       |
| 7       | 984,363.65    | 1,025,499.53  | (41,135.88)    | (414,487.80)       |
| 8       | 950,203.60    | 1,021,233.84  | (71,030.24)    | (485,518.04)       |
| 9       | 945,840.71    | 991,362.85    | (45,522.14)    | (531,040.18)       |
| 10      | 1,049,508.73  | 1,147,643.58  | (98,134.85)    | (629,175.03)       |
| 11      | 1,284,834.34  | 1,382,981.27  | (98,146.93)    | (727,321.96)       |
| 12      | 15,635,346.52 | 19,876,414.67 | (4,241,068.15) | (4,968,390.11)     |
| 13      | 0.00          | 0.00          | 0.00           | 0.00               |
| 14      | 0.00          | 0.00          | 0.00           | 0.00               |
| 15      | 0.00          | 0.00          | 0.00           | 0.00               |
| 16      | 0.00          | 0.00          | 0.00           | 0.00               |
| Total   | 28,226,897.38 | 33,195,287.49 | (4,854,820.37) |                    |

**2014**

| Period  | Debit        | Credit       | Balance     | Cumulative balance |
|---------|--------------|--------------|-------------|--------------------|
| Balance | 0.00         | 0.00         | 0.00        | 0.00               |
| 1       | 1,311,415.89 | 1,328,836.93 | (17,421.04) | (17,421.04)        |
| 2       | 1,178,933.05 | 1,226,034.85 | (47,101.80) | (64,522.84)        |
| 3       | 1,028,051.20 | 1,082,013.95 | (53,962.75) | (118,485.59)       |

**SOUTHERN CALIFORNIA GAS COMPANY**  
**MISCELLANEOUS REVENUES**  
**TAB 22: FERC ACCOUNT 495 OWNERSHIP CHARGES FORECAST**

|       |               |               |                |                |  |  |  |  |
|-------|---------------|---------------|----------------|----------------|--|--|--|--|
| 4     | 1,016,031.95  | 1,083,555.24  | (67,523.29)    | (186,008.88)   |  |  |  |  |
| 5     | 887,654.49    | 941,142.23    | (53,487.74)    | (239,496.62)   |  |  |  |  |
| 6     | 820,694.93    | 862,063.33    | (41,368.40)    | (280,865.02)   |  |  |  |  |
| 7     | 584,013.60    | 634,585.83    | (50,572.23)    | (331,437.25)   |  |  |  |  |
| 8     | 731,516.10    | 813,706.91    | (82,190.81)    | (413,628.06)   |  |  |  |  |
| 9     | 653,594.91    | 704,733.26    | (51,138.35)    | (464,766.41)   |  |  |  |  |
| 10    | 1,136,056.87  | 1,203,794.97  | (67,738.10)    | (532,504.51)   |  |  |  |  |
| 11    | 1,177,952.48  | 1,263,268.51  | (85,316.03)    | (617,820.54)   |  |  |  |  |
| 12    | 17,676,928.79 | 21,887,117.83 | (4,210,189.04) | (4,828,009.58) |  |  |  |  |
| 13    | 0.00          | 0.00          | 0.00           |                |  |  |  |  |
| 14    | 0.00          | 0.00          | 0.00           |                |  |  |  |  |
| 15    | 0.00          | 0.00          | 0.00           |                |  |  |  |  |
| 16    | 0.00          | 0.00          | 0.00           |                |  |  |  |  |
| Total | 28,202,844.26 | 33,030,853.84 | (4,854,820.37) |                |  |  |  |  |

|               |                |                           |  |  |  |  |  |  |
|---------------|----------------|---------------------------|--|--|--|--|--|--|
| <b>2015</b>   |                |                           |  |  |  |  |  |  |
| <b>Period</b> | <b>Balance</b> | <b>Cumulative balance</b> |  |  |  |  |  |  |
| Balance       | 0.00           |                           |  |  |  |  |  |  |
| 1             | (980.11)       | (980.11)                  |  |  |  |  |  |  |
| 2             | (104,048.15)   | (105,028.26)              |  |  |  |  |  |  |
| 3             | 93,780.05      | (11,248.21)               |  |  |  |  |  |  |
| 4             | (297,659.66)   | (308,907.87)              |  |  |  |  |  |  |
| 5             | 69,706.78      | (239,201.09)              |  |  |  |  |  |  |
| 6             | (76,987.60)    | (316,188.69)              |  |  |  |  |  |  |
| 7             | (41,423.51)    | (357,612.20)              |  |  |  |  |  |  |
| 8             | (39,961.94)    | (397,574.14)              |  |  |  |  |  |  |
| 9             | (69,630.80)    | (467,204.94)              |  |  |  |  |  |  |
| 10            | (84,946.13)    | (552,151.07)              |  |  |  |  |  |  |
| 11            | (14,005.51)    | (566,156.58)              |  |  |  |  |  |  |
| 12            | (3,883,960.01) | (4,450,116.59)            |  |  |  |  |  |  |
| 13            | 0.00           |                           |  |  |  |  |  |  |
| 14            | 0.00           |                           |  |  |  |  |  |  |
| 15            | 0.00           |                           |  |  |  |  |  |  |
| 16            | 0.00           |                           |  |  |  |  |  |  |
| Total         | (4,450,116.59) | (4,450,116.59)            |  |  |  |  |  |  |

|               |                |                  |                        |                           |  |  |  |  |
|---------------|----------------|------------------|------------------------|---------------------------|--|--|--|--|
| <b>2016</b>   |                |                  |                        |                           |  |  |  |  |
| <b>Period</b> | <b>Balance</b> | <b>Reduction</b> | <b>Revised Balance</b> | <b>Cumulative balance</b> |  |  |  |  |
| Balance       | 0.00           |                  | 0.00                   |                           |  |  |  |  |
| 1             | (37,672.59)    | 0.00             | (10,816.37)            | (10,816.37)               |  |  |  |  |
| 2             | (59,773.02)    | 0.00             | 8,139.04               | (2,677.33)                |  |  |  |  |
| 3             | (8,909.93)     | 0.00             | (48,656.41)            | (51,333.74)               |  |  |  |  |
| 4             | (133,099.87)   | 0.00             | (42,785.21)            | (94,118.95)               |  |  |  |  |
| 5             | (12,563.14)    | 0.00             | (9,961.70)             | (104,080.65)              |  |  |  |  |
| 6             | (71,449.99)    | 0.00             | (119,600.80)           | (223,681.45)              |  |  |  |  |
| 7             | (44,377.21)    | 0.00             | (108,718.78)           | (332,400.23)              |  |  |  |  |
| 8             | (64,394.33)    | 0.00             | (60,361.79)            | (392,762.02)              |  |  |  |  |
| 9             | (55,430.43)    | 0.00             | (128,966.55)           | (521,728.57)              |  |  |  |  |
| 10            | (83,606.36)    | (12,540.95)      | (88,043.77)            | (609,772.34)              |  |  |  |  |
| 11            | (65,822.82)    | (9,873.42)       | (58,017.47)            | (667,789.81)              |  |  |  |  |
| 12            | (4,111,739.07) | (616,760.86)     | (2,602,635.60)         | (3,270,425.41)            |  |  |  |  |
| 13            | 0.00           |                  |                        |                           |  |  |  |  |
| 14            | 0.00           |                  |                        |                           |  |  |  |  |
| 15            | 0.00           |                  |                        |                           |  |  |  |  |
| 16            | 0.00           |                  |                        |                           |  |  |  |  |
| Total         | (4,748,838.76) | (639,175.24)     | (4,109,663.52)         | (3,270,425.41)            |  |  |  |  |

Reduction of 15% Oct thru Dec due to Ownership Charge Rate Change

|               |                |                                   |                        |                      |                        |                           |  |  |
|---------------|----------------|-----------------------------------|------------------------|----------------------|------------------------|---------------------------|--|--|
| <b>2017</b>   |                |                                   |                        |                      |                        |                           |  |  |
| <b>Period</b> | <b>Balance</b> | <b>Ownership Charge Reduction</b> | <b>Revised Balance</b> | <b>SFC Reduction</b> | <b>Revised Balance</b> | <b>Cumulative Balance</b> |  |  |
| Balance       | 0.00           |                                   |                        |                      |                        |                           |  |  |
| 1             | (9,739.17)     | (1,460.88)                        | (8,278.30)             | (397.36)             | (7,880.94)             | (7,880.94)                |  |  |
| 2             | (47,670.30)    | (7,150.55)                        | (40,519.76)            | (1,944.95)           | (38,574.81)            | (46,455.75)               |  |  |
| 3             | (2,946.37)     | (441.96)                          | (2,504.41)             | (120.21)             | (2,384.20)             | (48,839.95)               |  |  |
| 4             | (135,989.39)   | (20,398.41)                       | (115,590.98)           | (5,548.37)           | (110,042.61)           | (158,882.56)              |  |  |
| 5             | 2,085.78       | 312.87                            | 1,772.91               | 85.10                | 1,687.81               | (157,194.75)              |  |  |
| 6             | (79,318.93)    | (11,897.84)                       | (67,421.09)            | (3,236.21)           | (64,184.88)            | (221,379.63)              |  |  |
| 7             | (66,904.84)    | (10,035.73)                       | (56,869.11)            | (2,729.72)           | (54,139.40)            | (275,519.03)              |  |  |
| 8             | (60,838.18)    | (9,125.73)                        | (51,712.45)            | (2,482.20)           | (49,230.26)            | (324,749.28)              |  |  |
| 9             | (83,245.23)    | (12,486.79)                       | (70,758.45)            | (3,396.41)           | (67,362.04)            | (392,111.33)              |  |  |
| 10            | (80,242.67)    | (8,024.27)                        | (72,218.40)            | (3,466.48)           | (68,751.92)            | (460,863.24)              |  |  |
| 11            | (52,446.34)    | (5,244.63)                        | (47,201.70)            | (2,265.68)           | (44,936.02)            | (505,799.26)              |  |  |
| 12            | (3,565,594.88) | (356,559.49)                      | (3,209,035.40)         | (154,033.70)         | (3,055,001.70)         | (3,560,800.96)            |  |  |
| 13            | 0.00           |                                   |                        |                      |                        |                           |  |  |
| 14            | 0.00           |                                   |                        |                      |                        |                           |  |  |
| 15            | 0.00           |                                   |                        |                      |                        |                           |  |  |
| 16            | 0.00           |                                   |                        |                      |                        |                           |  |  |
| Total         | (4,182,850.53) | (442,513.38)                      | (3,740,337.14)         |                      |                        | (3,560,800.96)            |  |  |

Reduction of 15% Jan thru Sept reduced to 10% Oct thru Dec/Oct thru Dec due to Ownership Charge Rate Change

|               |                |                                   |                        |                      |                        |                           |  |  |
|---------------|----------------|-----------------------------------|------------------------|----------------------|------------------------|---------------------------|--|--|
| <b>2018</b>   |                |                                   |                        |                      |                        |                           |  |  |
| <b>Period</b> | <b>Balance</b> | <b>Ownership Charge Reduction</b> | <b>Revised Balance</b> | <b>SFC Reduction</b> | <b>Revised Balance</b> | <b>Cumulative Balance</b> |  |  |

| SOUTHERN CALIFORNIA GAS COMPANY  |                |                            |                 |                |                 |                    |                |
|--|----------------|----------------------------|-----------------|----------------|-----------------|--------------------|----------------|
| MISCELLANEOUS REVENUES   |                |                            |                 |                |                 |                    |                |
| TAB 22: FERC ACCOUNT 495 OWNERSHIP CHARGES FORECAST  |                |                            |                 |                |                 |                    |                |
| Balance  | 0.00           |                            |                 | 0.00           |                 |                    |                |
| 1  | (6,559.14)     | (655.91)                   |                 | (5,903.23)     | (283.35)        | (5,619.87)         | (5,619.87)     |
| 2  | (44,827.97)    | (4,482.80)                 |                 | (40,345.18)    | (1,936.57)      | (38,408.61)        | (44,028.48)    |
| 3  | 14,246.48      | 1,424.65                   |                 | 12,821.83      | 615.45          | 12,206.38          | (31,822.09)    |
| 4  | (150,162.49)   | (15,016.25)                |                 | (135,146.24)   | (6,487.02)      | (128,659.22)       | (160,481.32)   |
| 5  | 20,477.63      | 2,047.76                   |                 | 18,429.87      | 884.63          | 17,545.23          | (142,936.09)   |
| 6  | (86,924.43)    | (8,692.44)                 |                 | (78,231.98)    | (3,755.14)      | (74,476.85)        | (217,412.93)   |
| 7  | (68,093.90)    | (6,809.39)                 |                 | (61,284.51)    | (2,941.66)      | (58,342.85)        | (275,755.78)   |
| 8  | (49,851.33)    | (4,985.13)                 |                 | (44,866.20)    | (2,153.58)      | (42,712.62)        | (318,468.40)   |
| 9  | (88,653.13)    | (8,865.31)                 |                 | (79,787.82)    | (3,829.82)      | (75,958.00)        | (394,426.40)   |
| 10   | (80,580.61)    | (4,029.03)                 |                 | (76,551.58)    | (3,674.48)      | (72,877.10)        | (467,303.50)   |
| 11   | (38,986.33)    | (1,949.32)                 |                 | (37,037.02)    | (1,777.78)      | (35,259.24)        | (502,562.74)   |
| 12   | (3,180,532.44) | (159,026.62)               |                 | (3,021,505.81) | (145,032.28)    | (2,876,473.53)     | (3,379,036.28) |
| 13   |                |                            |                 |                |                 |                    |                |
| 14   |                |                            |                 |                |                 |                    |                |
| 15   |                |                            |                 |                |                 |                    |                |
| 16   |                |                            |                 |                |                 |                    |                |
| Total  | (3,760,447.65) | (211,039.80)               |                 | (3,549,407.86) |                 |                    | (3,379,036.28) |
| Reduction of 10% Jan thru Sept reduced to 5% Oct thru Dec due to Ownership Charge Rate Change                                    |                |                            |                 |                |                 |                    |                |
| 2019   |                |                            |                 |                |                 |                    |                |
| Period   | Balance        | Ownership Charge Reduction | Revised Balance | SFC Reduction  | Revised Balance | Cumulative Balance |                |
| Balance  | 0.00           |                            | 0.00            |                |                 |                    |                |
| 1  | (8,238.18)     | (411.91)                   | (7,826.27)      | (375.66)       | (7,450.61)      | (7,450.61)         |                |
| 2  | (23,596.44)    | (1,179.82)                 | (22,416.62)     | (1,076.00)     | (21,340.62)     | (28,791.23)        |                |
| 3  | (12,984.81)    | (649.24)                   | (12,335.57)     | (592.11)       | (11,743.47)     | (40,534.70)        |                |
| 4  | (95,678.47)    | (4,783.92)                 | (90,894.55)     | (4,362.94)     | (86,531.61)     | (127,066.31)       |                |
| 5  | 3,118.82       | 155.94                     | 2,962.87        | 142.22         | 2,820.66        | (124,245.65)       |                |
| 6  | (87,166.25)    | (4,358.31)                 | (82,807.94)     | (3,974.78)     | (78,833.15)     | (203,078.80)       |                |
| 7  | (74,643.58)    | (3,732.18)                 | (70,911.40)     | (3,403.75)     | (67,507.65)     | (270,586.46)       |                |
| 8  | (51,595.62)    | (2,579.78)                 | (49,015.84)     | (2,352.76)     | (46,663.08)     | (317,249.54)       |                |
| 9  | (91,894.33)    | (4,594.72)                 | (87,299.62)     | (4,190.38)     | (83,109.24)     | (400,358.77)       |                |
| 10   | (77,713.09)    |                            | (77,713.09)     | (3,730.23)     | (73,982.86)     | (474,341.63)       |                |
| 11   | (46,826.14)    |                            | (46,826.14)     | (2,247.65)     | (44,578.48)     | (518,920.12)       |                |
| 12   | (2,896,048.18) |                            | (2,896,048.18)  | (139,010.31)   | (2,757,037.86)  | (3,275,957.98)     |                |
| 13   |                |                            |                 |                |                 |                    |                |
| 14   |                |                            |                 |                |                 |                    |                |
| 15   |                |                            |                 |                |                 |                    |                |
| 16   |                |                            |                 |                |                 |                    |                |
| Total  | (3,463,266.28) | (22,133.94)                | (3,441,132.33)  |                |                 | (3,275,957.98)     |                |
| Reduction of 5% Jan thru Sept eliminated in October due to the fact that the Ownership Rate Change is reflected in the averages. |                |                            |                 |                |                 |                    |                |