

October 29, 2018

**Supplemental Advice 4011-G-A/5375-E-A**  
(Pacific Gas and Electric Company ID U 39 M)

Public Utilities Commission of the State of California

**Subject: Supplemental: PG&E's 2019 Energy Efficiency Annual Budget Advice Letter in Compliance with Decision 15-10-028 and 18-05-041**

**I. Purpose**

The purpose of this Supplemental Advice Letter (AL) is to update Pacific Gas and Electric Company's (PG&E's) 2019 Energy Efficiency (EE) Annual Budget Advice Letter (ABAL) submitted on September 4, 2018, at the request of the California Public Utilities Commission's (CPUC or Commission) Energy Division (ED).<sup>1</sup>

On October 1, 2018, PG&E received an email from ED requesting PG&E to supplement AL 4011-G/5375-E to include additional detail regarding its Finance Program assumptions, EM&V budget allocation, unspent and uncommitted funds, statewide funding, Energy Atlas, and portfolio performance using only approved workpapers as of September 4, 2018 where applicable.<sup>2</sup>

This Supplemental AL includes PG&E's original portfolio cost-effectiveness showing, updated with savings and cost-effectiveness based on deemed values from approved workpapers where applicable. PG&E requests that the Commission approve PG&E's 2019 EE budget as submitted on September 4, 2018.

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<sup>1</sup> PG&E's AL was submitted in compliance with the *Decision Re Energy Efficiency Goals for 2016 and Beyond* and *Energy Efficiency Rolling Portfolio Mechanics*, D. 15-10-028, Ordering Paragraph (OP) 4.

<sup>2</sup> October 1, 2018 email from Peter Franzese re: PG&E Advice Letter 4011-G/5375-E.

### III. Discussion

#### A. Finance Program Assumptions

The Commission requested that PG&E provide additional detail for its Finance program savings forecast assumptions related to measures and customer classes, as well an explanation of a decrease in Finance program savings down to zero in 2020.

##### 1. Savings Estimates for 2019

PG&E is projecting the deployment of \$60 million of on-bill-financing (OBF) loans in 2019, which is consistent with the growth in the OBF Program. OBF loan volume by year, with projections for 2018 totals, are below.

**Table 1. Loan Amounts Issued by Year (\$ millions)<sup>34</sup>**

| <b>Cumulative through 2012</b> | <b>2013</b> | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>2017</b> | <b>2018 Projected</b> |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-----------------------|
| 9.3                            | 14.2        | 17.8        | 17.8        | 16.7        | 24.2        | 40.0                  |

For projects that receive an incentive and an OBF loan, savings will be reported through the incentive program. PG&E anticipates approximately one-third (\$20 million) of the total \$60 million OBF loan volume in 2019 to be provided without incentives.

For projects that do not receive an incentive, but do receive an OBF loan, savings will be claimed under the OBF Alternative Pathway subprogram.<sup>5</sup> PG&E anticipates approximately two-thirds (\$40 million) of the total \$60 million OBF loan volume in 2019 to be provided without incentives. This estimate is based on a review of the current OBF project pipeline, and discussions with industry participants. The \$40 million in loans provided without incentives would convert into an estimated first year savings claim of net 63 GWh.<sup>6</sup>

<sup>3</sup> For values 2012-2017, See PG&E Petition to Modify Decision 09-09-047 to implement PG&E's Energy Efficiency Business Plan, Attachment B accessible at <http://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M226/K778/226778237.PDF>

<sup>4</sup> 2018 projection based on loans issued and, in the pipeline, as of October 23 2018 (\$33m)

<sup>5</sup> OBF Alternative Pathway subprogram approved through AL 3697-G/4812-E accessible via [https://www.pge.com/tariffs/tm2/pdf/GAS\\_3697-G.pdf](https://www.pge.com/tariffs/tm2/pdf/GAS_3697-G.pdf)

<sup>6</sup> To convert from loan value (\$m) to Gwh, divide the loan value by the Kwh rate and the average payback period. PG&E used assumptions of an average of 3.2-year payback on the loan, and an average rate of \$0.20 to generate this estimate.

PG&E anticipates that the measures funded by OBF would reflect measure types installed across the portfolio with larger loans being used primarily for more comprehensive projects.

As discussed in the 2019 ABAL, PG&E's ability to meet savings goals will require an adjustment to the OBF loan limits.<sup>7</sup> PG&E submitted a Petition to Modify Decision 09-09-047 to Implement PG&E's Energy Efficiency Business Plan on September 7, 2018, in order to receive authorization to implement these changes to the OBF loan limits through an Advice Letter.<sup>8</sup>

## **2. Savings Estimates for 2020 and Beyond**

When PG&E submitted the 2018-2025 business plan, savings from Finance programs were not identified separately outside of the sectors. Financing is a tool for influencing the customer to take action. Historically the sector-level reporting has reflected all projected savings irrespective of the mechanism for obtaining those savings. No separate claim was made when a customer took a rebate and an OBF loan – the savings were just reported as part of the rebate program.

PG&E has, however, in the 2019 forecast separately identified the savings associated with the financing programs because PG&E anticipates that the operational mechanism for reporting savings associated with the financing program will primarily be through the OBF Alternative Pathway where no rebates will be reported. PG&E will plan to provide additional reporting that provides a breakdown of the sectors where OBF loans were issued in order to reconcile the 2018-2025 business plan with the reporting from the OBF program.

Table 13 in PG&E's 2019 ABAL, PG&E kWh True-Up, states that "Savings from Financing and OBF Loan Pool projects are rolled into the savings forecasts for the sectors above for program years 2020 – 2025."<sup>9</sup> The savings associated with the OBF program can therefore be considered embedded in the 2020-2025 forecasts for the sectors rather than broken out separately.

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<sup>7</sup> PG&E Annual Budget Advice Letter 4011-G/5375-E filed on September 4, 2018 ("PG&E 2019 ABAL 4011-G/5375-E"), p. 32

<sup>8</sup> PG&E Petition to Modify Decision 09-09-047 to implement PG&E's Energy Efficiency Business Plan

<sup>9</sup> PG&E 2019 ABAL 4011-G/5375-E, p. 45

## B. Evaluation, Measurement, and Verification (EM&V) Budget Allocation

The Commission requested that PG&E and the other IOUs demonstrate that their EM&V budgets are in compliance with the allocation requirement of 27.5% or less of the total evaluation budget shared with the Commission.

As Table 2 shows, the following PA EM&V budgets are all calculated to allocate 27.5% to the PA, and 72.5% to the CPUC.

**Table 2. 2019 EM&V Budgets [1]**

| Program Administrator (PA) | PA Total without EM&V | Ratio based on Total without EM&V | EM&V         | CPUC (72.5%) | PA (27.5%)  | PA Total with EM&V |
|----------------------------|-----------------------|-----------------------------------|--------------|--------------|-------------|--------------------|
| PG&E                       | \$294,988,322         | 89.53%                            | \$12,291,180 | \$8,911,106  | \$3,380,075 | \$307,279,502      |
| BayREN [2]                 | \$23,557,000          | 7.15%                             | \$981,542    | \$711,618    | \$269,924   | \$24,538,542       |
| MCE [2]                    | \$8,204,000           | 2.49%                             | \$341,833    | \$247,829    | \$94,004    | \$8,545,833        |
| 3C-REN [3]                 | \$2,719,766           | 0.83%                             | \$113,324    | \$82,160     | \$31,164    | \$2,833,090        |
| Portfolio Total            | \$329,469,088         | 100.00%                           | \$13,727,879 | \$9,952,712  | \$3,775,167 | \$343,196,967      |

[1] The above table uses the 72.5/27.5 CPUC/PA percentage split for each PA.

[2] 2019 BayREN and MCE budgets are the approved budgets per the Business Plan Decision D.18-05-041, with EM&V increased to 4%.

[3] 2019 3C-REN budget is the proposed contribution for PG&E as circulated by 3C-REN on August 28, 2018.

## C. Unspent/Uncommitted Funds

The Commission requested that PG&E, the other IOUs, and MCE report unspent and uncommitted funds that reflect the total unspent and uncommitted funds for all prior program years through December 31, 2018.

PG&E has updated the Prior Years' Unspent Funds table (filed as Table 7 in PG&E's 2019 ABAL filing) with data as of September 2018, in the table shown below. Upon approval of this 2019 ABAL, PG&E's authorized budget request will be reduced by the unspent fund amount of \$157 million per Table 3 below.

**Table 3: Prior Years' Unspent Funds as of September 2018**

|                                                  | <b>Pre-2013</b> | <b>PY2013-2015</b>  | <b>PY 2016</b>      | <b>PY 2017</b>      | <b>PY 2018 [3]</b>  | <b>Totals</b>       |
|--------------------------------------------------|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Unspent &amp; Committed</b>                   |                 |                     |                     |                     |                     |                     |
| EM&V [1]                                         | -               | \$5,304,980         | \$15,672,827        | \$14,479,143        | \$12,884,592        | \$48,341,542        |
| Financing Pilots                                 | -               | \$3,712,656         | -                   | \$226,062           | \$397,967           | \$4,336,685         |
| BayREN                                           | -               | \$3,760,885         | -                   | \$42,769            | \$12,887,993        | \$16,691,647        |
| MCE (gas funding)                                | -               | \$36,182            | \$104,615           | -                   | \$70,079            | \$210,876           |
| <b>Total</b>                                     | <b>-</b>        | <b>\$12,814,702</b> | <b>\$15,777,442</b> | <b>\$14,747,974</b> | <b>\$26,240,631</b> | <b>\$69,580,750</b> |
| <b>Unspent &amp; Uncommitted for 2019 Offset</b> |                 |                     |                     |                     |                     |                     |
| Utility Program Funds [2]                        | \$271,156       | \$398,045           | \$11,649,274        | \$92,113,416        | \$52,588,000        | \$157,019,890       |

[1] Includes unspent funds from the CPUC (\$37.8 million) and PG&E (\$10.6 million)

[2] 2017 & 2018 committed funds were authorized in AL 3904-G/5175-E, effective December 3, 2017

[3] 2018 unspent & uncommitted funds are end-of-year estimates made in September 2018

#### **D. Statewide Funding**

The Commission requested that PG&E and the other IOUs demonstrate compliance with D.18-05-41 by providing funding ratios based on their statewide electric and gas load-shares. Per email direction received from Commission staff on October 24, 2018, PG&E and the other IOUs will not address statewide funding questions in this Supplemental ABAL and will instead address stateside funding questions in response to forthcoming supplemental requests related to the Advice Letters on the IOU's Shared Funding Mechanism Proposal Pursuant to D.18-05-041.<sup>10</sup>

<sup>10</sup> Email titled "Re: REQUEST FOR SUPPLEMENTAL: PG&E AL #4011-G/535-E" received from Christina Torok, Commission Staff, on October 24<sup>th</sup>. PG&E's Advice Letter 5373-E/4009-G relates to the Shared Funding Mechanism Proposal pursuant to D.18-05-041.

## **F. Energy Atlas**

The Commission requested that PG&E and the other IOUs provide detail on their Energy Atlas expansion budget and annual management and maintenance costs in compliance with D.18-05-041 Ordering Paragraph (OP) 3.

In D.18-05-041, the Commission directed the IOU PAs to select a lead to oversee the statewide deployment of Energy Atlas and competitively solicit a third party to implement the deployment, maintain data quality, consistency and security, continue development of the Energy Atlas' capabilities and encourage and support local governments that choose to participate.<sup>11</sup> With the concurrence of and ongoing coordination with Pacific Gas & Electric Company, San Diego Gas & Electric Company and Southern California Gas Company, SCE will be the lead for representing the IOUs in the statewide deployment of Energy Atlas. SCE's lead role will include conducting a competitive solicitation for a third party to perform the work described above as necessary. In addition, SCE will confer with and obtain the ongoing approval of the other IOU PAs in the management of the contract and deployment.

D.18-05-041 also directs the IOU PAs to allocate up to \$2 million to expand Energy Atlas and include annual Energy Atlas management and maintenance costs in their annual budget advice letters proportionally according to relevant energy efficiency program budgets and references these efforts as part of their local government and public-sector implementation plans. However, because the Energy Atlas proposal has yet to be developed, the IOUs are unable to forecast costs for implementing the Energy Atlas at this time. Therefore, for purposes of the annual budget advice letters, the collective budget of \$2,000,000 for development and expansion is a placeholder only and based upon the maximum amount allowed in D.18-05-041. The Energy Atlas development, deployment and maintenance costs are highly uncertain as no implementation plan or scope has yet been agreed upon by the IOUs and will be limited and capped at \$2 million. The IOUs will work to minimize these costs as they coordinate on implementation and leverage existing work; it is expected that 2020 budget numbers will be refined in the future to reflect cost forecasts and actual costs incurred as long as within the \$2 million cost cap. Total annual placeholder budgets by IOU and their budget shares are provided in Table 4 below. The IOUs have based the budget shares on the relative percentages of their combined 2019 Public Sector budgets. SCE has also allocated an additional budget of \$60,000 to manage the requirements development and the competitive solicitation process to be conducted in

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<sup>11</sup> D.18-05-041, OP 32

2019. SCE anticipates that the third-party implementer will be under contract to begin development and expansion work in 2020. As such, the budget for development and expansion is forecasted for 2020 and is included in Table 4 for reference. Table 4 also provides a breakout of both the placeholder maintenance and expansion budgets for 2019 and 2020.

**Table 4: Total Energy Atlas Annual Budget by IOU PAs**

| Energy Atlas Budget Details                         |           |           |           |             |          |           |           |      |
|-----------------------------------------------------|-----------|-----------|-----------|-------------|----------|-----------|-----------|------|
|                                                     | SCE       |           | PG&E      |             | SDG&E    |           | SCG       |      |
|                                                     | 2019      | 2020      | 2019      | 2020        | 2019     | 2020      | 2019      | 2020 |
| Requirements Development & Third-Party Solicitation | \$60,000  | \$0       | \$0       | \$0         | \$0      | \$0       | \$0       | \$0  |
| Ongoing Maintenance [2]                             | \$84,083  | \$84,083  | \$141,214 | \$141,214   | \$45,147 | \$45,147  | \$29,556  | [4]  |
| Development & Expansion                             | \$0       | \$560,553 | \$0       | \$941,428   | \$0      | \$300,980 | \$223,725 | [4]  |
| Total Annual Budget                                 | \$144,083 | \$644,636 | \$141,214 | \$1,082,642 | \$45,147 | \$346,127 | \$253,281 | \$0  |
| IOU Budget Percentages [2]                          | 28%       |           | 47%       |             | 15%      |           | 10%       |      |

[1] Ongoing maintenance budgets are based on the annual maintenance costs from prior years

[2] Excludes SCE's requirements development and third-party solicitation costs

[3] IOU budgets percentages are derived from the IOUs' 2019 Public Sector budgets

[4] SoCalGas budgeted for maintenance and development/expansion in 2019. Any funds not spent will be encumbered for use in 2020.

## G. Savings Forecast

The Commission requested that PG&E and the other IOUs provide savings forecasts based on workpapers approved as of September 4, 2018, where applicable.

PG&E's revised savings and cost-effectiveness forecast produced for this supplemental, detailed in sections 1 and 2 below, includes updates to specific measure parameters to align with approved DEER and workpaper values as of September 4, 2018. PG&E's forecasted 2019 EE portfolio Total Resource Cost (TRC), excluding Codes and Standards, is 1.05 upon incorporation of these supplemental revisions. These supplemental revisions also result in a negligible impact to PG&E's cumulative forecasted 2019 savings at the GWh, MW, and MMThm level.

To improve the accuracy of its 2019 forecast in its September 4, 2018 filing, PG&E made assumptions about select measures that were active in its portfolio as of September 4, 2018, but for which 2019 changes were anticipated. These assumptions included targeted adjustments to select net-to-gross (NTG) and effective useful life (EUL) measure ex ante parameters in its 2019 forecast to replace default values with values that more accurately reflect the characteristics of those specific measures and the programs in which they are offered, and for which PG&E intends to submit workpaper revisions for anticipated adoption in 2019. The specific NTG and EUL adjustments PG&E made in its 2019 forecast filed on September 4, 2018, as well as the changes made to its forecast for this Supplemental to reflect approved values, are described in section 1 below.

In addition to targeted measure parameter adjustments in its September 4, 2018 filing, PG&E also forecasted the sunset of some measures in 2019 due to expected workpaper updates that would diminish cost-effectiveness, despite approved, cost-effective savings values for those measures as of September 4, 2018. Thus, these measures forecasted as sunset were excluded from PG&E's 2019 forecast, including several light emitting diode (LED) and water heating measures. For this supplemental AL, PG&E retained the measure sunset assumptions given that the omission of these measures in its forecast do not constitute inclusion of unapproved workpaper values.

Section 2 below provides an overview of the impact of the revised Supplemental forecast on PG&E's portfolio savings and cost-effectiveness.

## **1. Supplemental Forecast Revisions**

### **NTG Adjustments**

PG&E explained its rationale for adjusting select NTG values in its 2019 ABAL submitted on September 4:<sup>12</sup>

*NTG is also a major driver of portfolio cost-effectiveness and values are often highly outdated and uncertain... in many cases default NTG values must be used for new programs, projects, and measures that have little relation to original research. For instance, the default Residential NTG of 0.55 is employed for the Residential New Construction Program and the California Multifamily New Homes Program. Neither of these programs have been evaluated. Qualitative investigation suggests that production builders targeted by the programs do not*

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<sup>12</sup> PG&E 2019 ABAL 4011-G/5375-E, p.14



*incorporate future-year code requirements into their construction practices without intervention. Thus, these programs could reasonably expect a commensurate increase in NTG ratios; PG&E's forecast includes future workpaper updates to reflect these higher NTG ratios.*

The NTG values that have been adjusted back to current approved Commission values for this supplemental are listed in the table below.

**Table 5. NTG Values Adjusted for Supplemental ABAL**

| <b>Forecast Value Description</b> | <b>Forecasted Value Included in September 4 Filing</b> | <b>Approved Value<sup>13</sup> Included in October 29 Supplemental Filing</b> |
|-----------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------|
| Residential New Construction NTG  | 0.85                                                   | 0.55                                                                          |
| Multifamily New Construction NTG  | 0.85                                                   | 0.55                                                                          |

### **EUL Adjustments**

PG&E explained its rationale for adjusting select EUL values in its 2019 ABAL submitted on September 4 (citations removed):<sup>14</sup>

*PG&E has noted the uncertainty around EULs of many programs and measures. The assignment of EULs is often based on very limited information and at times appears to be arbitrary. EULs are among the least-studied EE parameters. For instance, California's New Construction programs use a 15-year EUL. PG&E believes that the maximum EUL should be used for a program that is spurring the building of above code structures that will be in place for many decades. Therefore, PG&E uses 20-year EULs for these programs in the current forecast. As discussed in PG&E's Business Plan, new construction programs and other programs and measures, where appropriate, should be eligible for EULs beyond 20 years.*

In addition to the Residential and Multifamily New Construction EULs described above, PG&E adjusted the EUL for one agriculture measure, pump overhauls (CPD20). This measure has been classified as "behavioral, retro-commissioning, operational (BRO)" and therefore subject to the default EUL of 3 years. PG&E is currently conducting a study to determine a more appropriate EUL, to be complete by December 2018. In anticipation of incorporating the results of this

<sup>13</sup> Approved in a workpaper as of September 4, 2018

<sup>14</sup> PG&E 2019 ABAL 4011-G/5375-E, p.16

study into a workpaper for 2019, PG&E included an adjusted EUL of 10 years in its 2019 forecast submitted on September 4, 2018.

The EUL values that have been adjusted back to current approved Commission values for this supplemental are listed in the Table 6 below.

**Table 6. EUL Values Adjusted for Supplemental ABAL**

| <b>Forecast Value Description</b> | <b>Forecasted Value Included in September 4 Filing</b> | <b>Approved Value<sup>15</sup> Included in October 29 Supplemental Filing</b> |
|-----------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------|
| Residential New Construction EUL  | 20 years                                               | 15 years                                                                      |
| Multifamily New Construction EUL  | 20 years                                               | 15 years                                                                      |
| Measure CPD20, BRO EUL            | 10 years                                               | 3 years                                                                       |

### **Measure Cost Correction**

Finally, PG&E's supplemental forecast includes a correction to the measure costs associated with the Energy Efficiency Marketplace offering in its Residential Energy Advisor program. No other changes were made in this Supplemental forecast besides those described in this Supplemental AL.

## **2. Supplemental Savings and Cost-Effectiveness Forecast**

### **Savings Forecast**

Table 7 provides PG&E's revised forecast of energy savings and demand reduction for this Supplemental filing. The forecast revisions resulted in a negligible impact to PG&E's 2019 EE savings forecast for GWh, MW, and MMTherms. Note that low-income savings are embedded within the CPUC's Incentive Program goals in D.17-09-025; thus, PG&E's savings from the Energy Savings Assistance Program (ESA) are included when comparing 2019 forecasted savings with the CPUC Incentive Program goals.<sup>16</sup>

<sup>15</sup> Approved in a workpaper as of September 4, 2018

<sup>16</sup> ESA savings are embedded in the EE Incentive Program goals per D.17-09-025, p. 37 footnote 72.

**Table 7: PG&E Targets Compared to CPUC Goals**

| <b>2019 Savings Component</b>                                                          | <b>Annual Net GWh</b> | <b>Net MW</b> | <b>Annual Net MMTM</b> |
|----------------------------------------------------------------------------------------|-----------------------|---------------|------------------------|
| <b>Portfolio Forecast</b>                                                              |                       |               |                        |
| 2019 Energy Efficiency (EE) Portfolio Forecast                                         | 480                   | 91            | 19                     |
| 2019 Codes and Standards (C&S) Forecast                                                | 660                   | 151           | 16                     |
| 2019 ESA Program Forecast <sup>17</sup>                                                | 96                    | 13            | -0.3                   |
| <i>Subtotal EE + ESA</i>                                                               | <b>576</b>            | <b>104</b>    | <b>19</b>              |
| <i>Subtotal EE + ESA + C&amp;S</i>                                                     | <b>1236</b>           | <b>255</b>    | <b>36</b>              |
| <b>Goals</b>                                                                           |                       |               |                        |
| <b>EE Incentive Program Goals<sup>18</sup></b>                                         | 524                   | 100           | 19                     |
| <b>Codes and Standards Goals</b>                                                       | 555                   | 122           | 14                     |
| <b>Combined EE &amp; C&amp;S Goals</b>                                                 | <b>1079</b>           | <b>222</b>    | <b>33</b>              |
| <b>% of Goal</b>                                                                       |                       |               |                        |
| <b>2019 Forecast relative to Incentive Goal</b>                                        | <b>110%</b>           | <b>104%</b>   | <b>101%</b>            |
| <b>2019 Forecast relative to Total Incentive Programs and Codes and Standards Goal</b> | <b>115%</b>           | <b>115%</b>   | <b>108%</b>            |

**Cost-Effectiveness Forecast**

Table 8 provides the TRC test and Program Administrator Cost (PAC) test for its 2019 EE portfolio resulting from the Supplemental forecast revisions. The 2019 TRC without codes and standards changed from the 1.07 value filed on September 4, 2018 to 1.05 for this Supplemental filing. PG&E's portfolio is still forecasted to be cost-effective with the revisions requested for this Supplemental filing.

<sup>17</sup> PG&E's 2019 ESA forecasted savings are estimates and subject to change.

<sup>18</sup> ESA savings are embedded in the EE Incentive Program goals per D.17-09-025, p. 37 footnote 72.

**Table 8. PG&E 2019<sup>19</sup> Cost-Effectiveness Statement**

| <b>Cost-Effectiveness Scenario</b>                                                                                        | <b>2019 TRC Forecast</b> | <b>2019 PAC Forecast</b> |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
| Total portfolio including market effects and the Energy Savings and Performance Incentive (ESPI) award, and excluding C&S | 1.05                     | 1.44                     |
| Total portfolio including market effects, ESPI award, and C&S                                                             | 1.27                     | 3.68                     |

As detailed in PG&E's 2019 ABAL filed on September 4, 2018, TRC and PAC calculations include costs for:

- Resource and non-resource programs, including Financing and Workforce Education and Training (WE&T) programs;
- PG&E's portion of Statewide DSM;
- EM&V; and
- An estimated \$17 million for PG&E's ESPI award in 2019.<sup>20</sup>

TRC and PAC calculations exclude:

- Emerging Technologies (ET) program costs;
- Statewide (SW) ME&O costs;
- BayREN and MCE benefits and costs;<sup>21</sup>
- Financing costs including credit enhancements approved for the Statewide Financing Pilots in D.13-09-044; and
- ESA program benefits and costs.

With the changes to the forecast described above, below PG&E provides updated figures (Figures 1 – 4) from its 2019 ABAL submitted on September 4 that show portfolio-level TRC and PAC benefit and cost breakouts, and input sensitivity analyses. The main takeaways for Figures 1 through 4 discussed in PG&E's September 4 ABAL filing are unchanged after forecast revisions.<sup>22</sup>

<sup>19</sup> The 2019 CET User Interface from CEDARS was used to calculate cost-effectiveness.

<sup>20</sup> PG&E's \$17 million ESPI award estimate for 2019 is based on historical trends of ESPI awards from the past few years with an expected reduction for 2019.

<sup>21</sup> D.12-11-015

<sup>22</sup> PG&E 2019 ABAL 4011-G/5375-E, pp. 9-12

Figure 1 demonstrates that electric benefits account for the large majority of total TRC benefits and that measure costs account are nearly half of forecast portfolio TRC costs.

**Figure 1. 2019 PG&E Portfolio Forecast TRC Parameters**

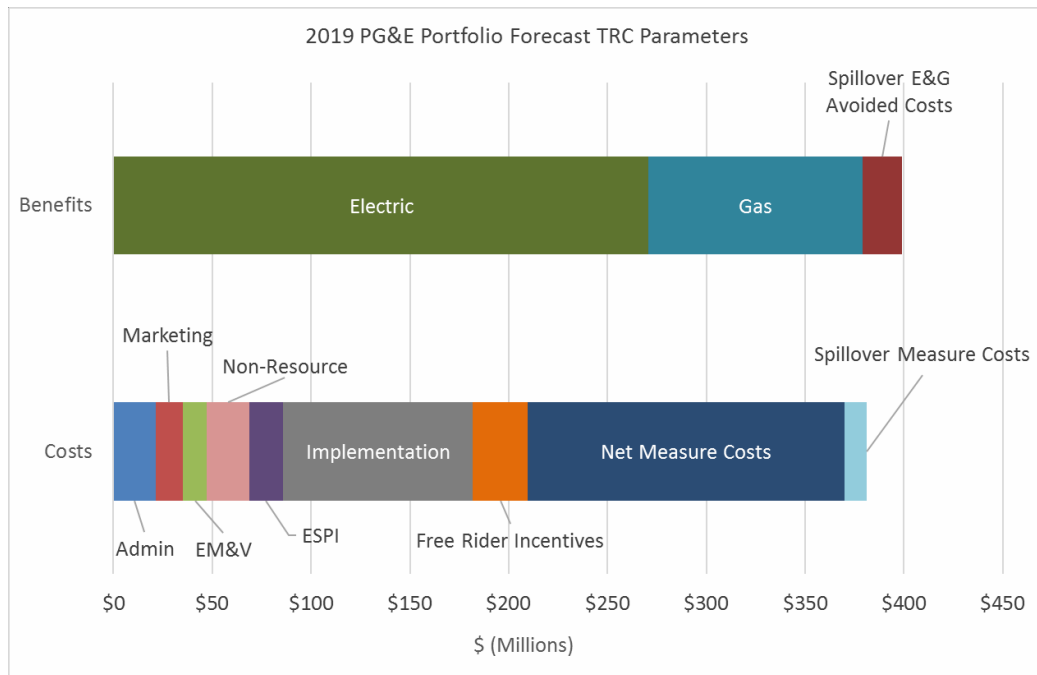


Figure 2 demonstrates that PG&E's portfolio TRC is most sensitive to measure costs and total benefits. NTG and collective spending on Administration, Marketing, and Implementation (AMI) are less significant but still important TRC drivers. In contrast, portfolio TRC is relatively insensitive to incentive spending.

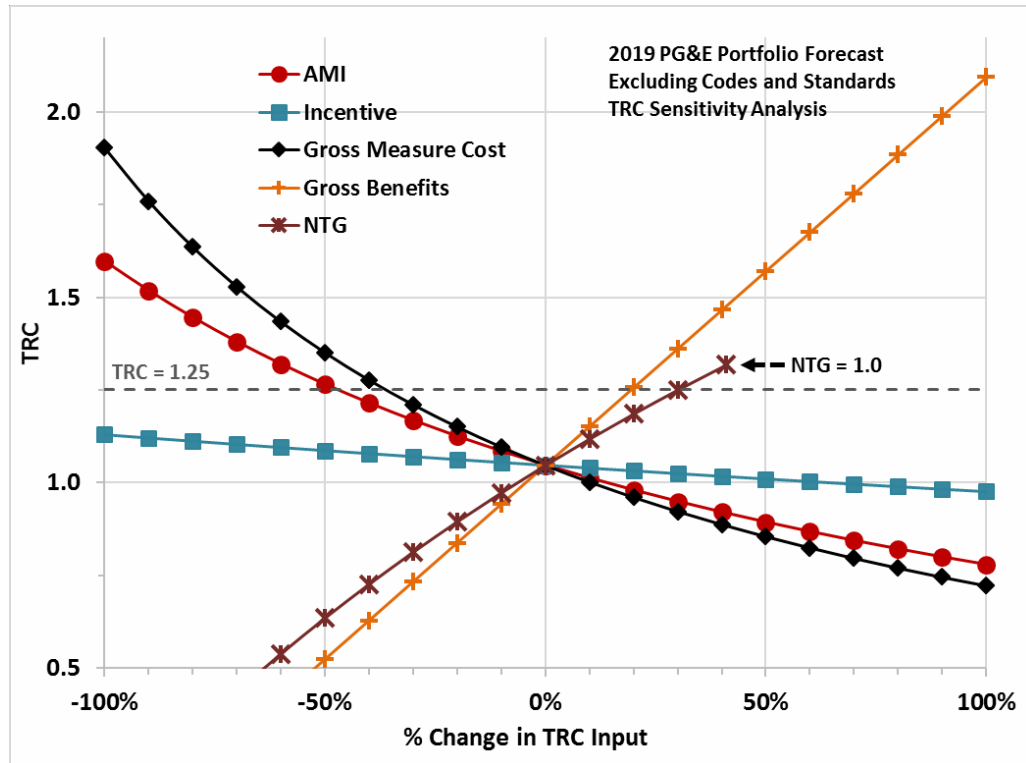
**Figure 2. 2019 PG&E Portfolio Forecast TRC Sensitivity Analysis**

Figure 3 demonstrates that PAC benefits are equivalent to those in the TRC analysis. However, in the PAC calculation, Incentives and Implementation are the largest costs.

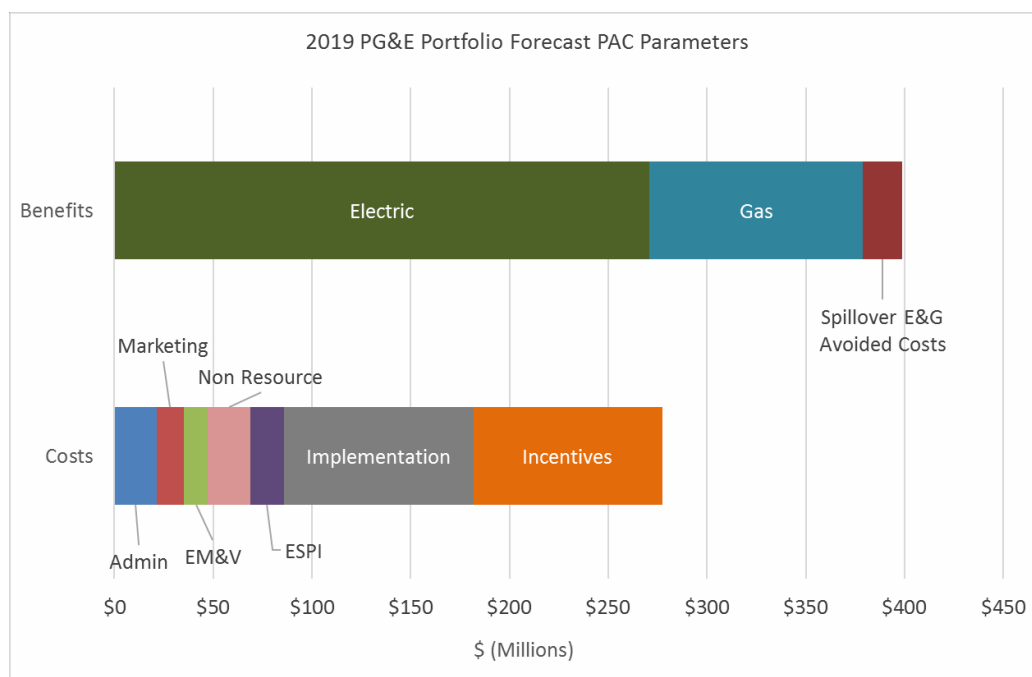
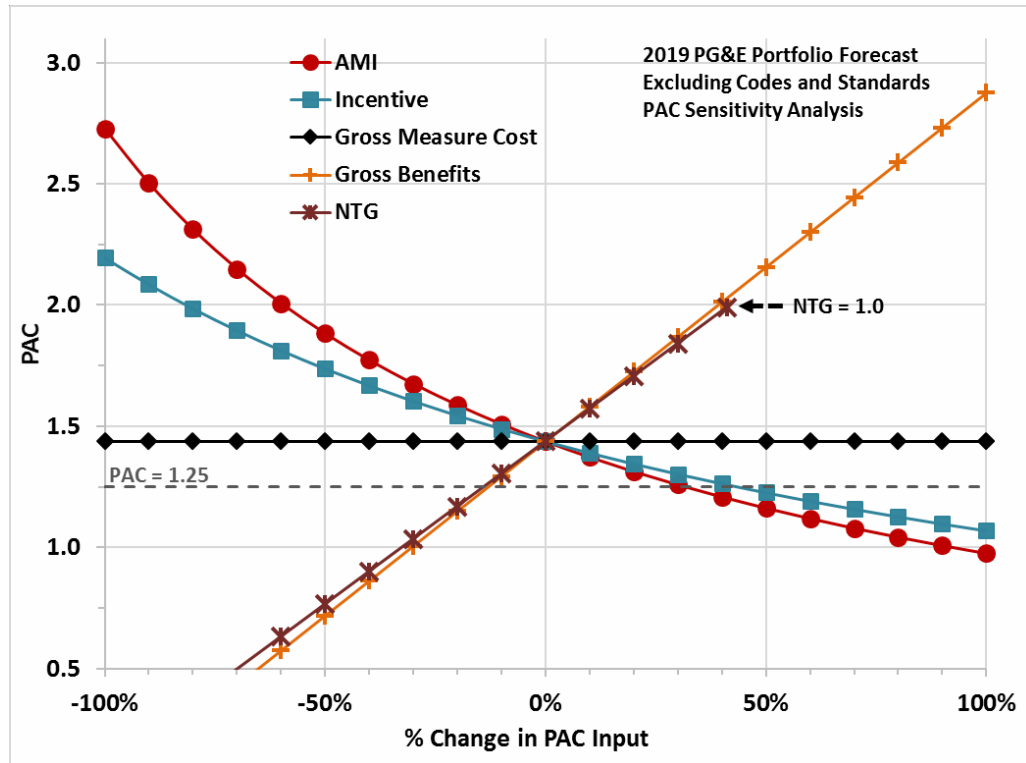
**Figure 3. 2019 PG&E Portfolio Forecast PAC Parameters**

Figure 4 demonstrates that, compared to the TRC, the PAC is far more sensitive to AMI spending. The PAC is also more sensitive to NTG and incentive spending. However, because the PAC does not include measure costs, changes in measure cost yield no change in the PAC.

**Figure 4. 2019 PG&E Portfolio Forecast PAC Sensitivity Analysis****Updated Summary Tables**

The following tables from PG&E's ABAL filed on September 4<sup>th</sup> have been updated to reflect a) supplemental forecast revisions, and b) the distribution of the government partnerships program savings according to the applicable business plan sectors in which savings are expected to occur. Additionally, Tables 10 through 12 below include revisions to the 2018 ESA program savings forecasts to align with the forecast estimates filed in PG&E's 2018 ABAL.<sup>23</sup>

In PG&E's 2019 ABAL filed on September 4<sup>th</sup>, budget and savings shown under the "public" sector reflected the savings for all government partnership program activities, and not just those activities occurring in public facilities. The savings for the public sector in this Supplemental ABAL shown in Tables 9 through 12 have been updated to only reflect forecasted savings for program activities serving public customers; similarly, the forecasted savings for the commercial, agricultural, and industrial sectors have been updated to reflect activities from government partnership programs occurring in facilities in those sectors. The

<sup>23</sup> PG&E Annual Budget Advice Letter 3881-G/5137-E filed on September 1, 2017



Table 9 budgets are unchanged from the sector budgets included in PG&E's September 4<sup>th</sup> ABAL.

**Table 9: PG&E 2019 Budget and Savings Summary**

| Sector                                                                                      | Program Year<br>(PY) Budget | PA PY FORECAST ENERGY SAVINGS (Net) |                   |                            |
|---------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------|-------------------|----------------------------|
|                                                                                             |                             | PA forecast<br>kWh                  | PA forecast<br>kW | PA forecast<br>therms (MM) |
| Residential                                                                                 | \$88,269,075                | 206,526,680                         | 41,435            | 7.1                        |
| Commercial                                                                                  | \$68,402,537                | 122,895,358                         | 20,725            | 4.8                        |
| Industrial                                                                                  | \$24,785,481                | 39,881,461                          | 4,957             | 2.5                        |
| Agriculture                                                                                 | \$14,477,981                | 32,209,657                          | 9,431             | 0.5                        |
| Emerging Tech                                                                               | \$7,760,943                 | na                                  | na                | na                         |
| Public                                                                                      | \$40,669,461                | 14,745,172                          | 2,334             | 0.3                        |
| WE&T                                                                                        | \$9,741,738                 | na                                  | na                | na                         |
| Finance                                                                                     | \$6,504,117                 | 63,333,333                          | 12,033            | 3.9                        |
| OBF Loan Pool                                                                               | \$13,500,000                | na                                  | na                | na                         |
| <b>IOU Subtotal</b>                                                                         | <b>\$274,111,334</b>        | <b>479,591,662</b>                  | <b>90,916</b>     | <b>19</b>                  |
| <b>ESA Savings</b>                                                                          |                             | <b>96,463,923</b>                   | <b>13,327</b>     | <b>(0.3)</b>               |
| <b>IOU Total Program Savings (w/out C&amp;S)</b>                                            |                             | <b>576,055,585</b>                  | <b>104,242</b>    | <b>19</b>                  |
| <b>CPUC Program Savings Goal</b>                                                            |                             | <b>524,000,000</b>                  | <b>100,000</b>    | <b>19</b>                  |
| <b>Forecast savings as % of CPUC Program Savings Goal</b>                                   |                             | <b>110%</b>                         | <b>104%</b>       | <b>100%</b>                |
| Codes and Standards                                                                         | \$20,876,988                | 659,736,442                         | 150,796           | 16                         |
| <b>IOU EM&amp;V</b>                                                                         | <b>\$12,291,180</b>         |                                     |                   |                            |
| <b>IOU PY Spending Budget Request<sup>1</sup></b>                                           | <b>\$307,279,502</b>        |                                     |                   |                            |
| <b>(LESS) IOU Uncommitted and Unspent Carryover Balance<sup>2</sup></b>                     | <b>\$157,019,890</b>        |                                     |                   |                            |
| <b>IOU PY Budget Recovery Request<sup>3</sup></b>                                           | <b>\$150,259,612</b>        |                                     |                   |                            |
| <b>IOU Authorized PY Budget Cap (D.18-05-041)<sup>4</sup></b>                               | <b>\$388,989,738</b>        |                                     |                   |                            |
| <b>MCE PY Budget Recovery Request (excl. CCA Uncommitted/Unspent Carryover)<sup>5</sup></b> | <b>\$8,127,076</b>          |                                     |                   |                            |
| <b>BayREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)</b>          | <b>\$24,538,542</b>         |                                     |                   |                            |
| <b>3C-REN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)</b>          | <b>\$2,833,090</b>          |                                     |                   |                            |
| <b>Total PA (IOU+CCAs+RENS ) PY Recovery Budget</b>                                         | <b>\$185,758,320</b>        |                                     |                   |                            |
| <b>IOU Forecast PY TRC</b>                                                                  | <b>1.07</b>                 |                                     |                   |                            |
| <b>IOU Forecast PY PAC</b>                                                                  | <b>1.47</b>                 |                                     |                   |                            |
| <b>For reference only</b>                                                                   |                             |                                     |                   |                            |
| <b>MCE EM&amp;V PY Budget</b>                                                               | <b>\$341,833</b>            |                                     |                   |                            |
| <b>BayREN EM&amp;V PY Budget</b>                                                            | <b>\$981,542</b>            |                                     |                   |                            |
| <b>3C-REN EM&amp;V PY Budget</b>                                                            | <b>\$113,324</b>            |                                     |                   |                            |
| <b>EM&amp;V PY PA Budget total</b>                                                          | <b>\$13,727,879</b>         |                                     |                   |                            |

<sup>1</sup> This is the amount by which Statewide 25% requirement will be measured, and what the IOU intends to spend in the PY, including carryovers.

<sup>2</sup> The balance of unspent uncommitted reflects the total unspent uncommitted starting Jan 1, 2018 through Dec 31 of current year (PY-1). Because each ABAL is filed in Q3, this unspent uncommitted amount is an estimate for the year in which the ABAL is filed.

<sup>3</sup> The amount of funds to be collected (budget recovery) for the Program Year

<sup>4</sup> The IOU Authorized PY Budget Cap uses the "Total Program" budget from PG&E's approved Business Plan Table 1.5, plus an EM&V budget of \$15,559,690, or 4% of the IOU Authorized PY Budget Cap.

<sup>5</sup> MCE Budget Recovery Request excludes unspent funds of \$418,757 filed as of September 4, 2018, detailed on p.22 of PG&E's 2019 ABAL.

**Table 10: PG&E kWh True-Up**

| <b>Annual Rolling Portfolio Savings Forecast - True-up (kWh)<sup>1</sup></b> |                    |                    |                    |                    |                    |                    |                    |                    |
|------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>Sector</b>                                                                | <b>2018</b>        | <b>2019</b>        | <b>2020</b>        | <b>2021</b>        | <b>2022</b>        | <b>2023</b>        | <b>2024</b>        | <b>2025</b>        |
| Residential                                                                  | 221,707,977        | 206,526,680        | 165,000,000        | 163,000,000        | 169,000,000        | 175,000,000        | 181,000,000        | 181,000,000        |
| Commercial                                                                   | 148,582,487        | 122,895,358        | 140,000,000        | 148,000,000        | 158,000,000        | 167,000,000        | 180,000,000        | 180,000,000        |
| Industrial                                                                   | 75,513,811         | 39,881,461         | 40,000,000         | 39,000,000         | 39,000,000         | 38,000,000         | 38,000,000         | 38,000,000         |
| Agriculture                                                                  | 52,381,675         | 32,209,657         | 40,000,000         | 40,000,000         | 41,000,000         | 42,000,000         | 43,000,000         | 43,000,000         |
| Emerging Tech                                                                | n/a                | n/a                | n/a                | n/a                | n/a                | n/a                | n/a                | n/a                |
| Public                                                                       | 90,491,009         | 14,745,172         | 29,000,000         | 29,000,000         | 29,000,000         | 30,000,000         | 30,000,000         | 30,000,000         |
| WE&T                                                                         | n/a                | n/a                | n/a                | n/a                | n/a                | n/a                | n/a                | n/a                |
| Finance <sup>2</sup>                                                         | 4,328,542          | 63,333,333         | -                  | -                  | -                  | -                  | -                  | -                  |
| OBF Loan Pool <sup>2</sup>                                                   | n/a                | n/a                | n/a                | n/a                | n/a                | n/a                | n/a                | n/a                |
| <b>IOU - Subtotal</b>                                                        | <b>593,005,502</b> | <b>479,591,662</b> | <b>414,000,000</b> | <b>419,000,000</b> | <b>436,000,000</b> | <b>452,000,000</b> | <b>472,000,000</b> | <b>472,000,000</b> |
| <b>ESA Savings</b>                                                           | <b>74,639,501</b>  | <b>96,463,923</b>  | <b>TBD</b>         | <b>TBD</b>         | <b>TBD</b>         | <b>TBD</b>         | <b>TBD</b>         | <b>TBD</b>         |
| <b>MCE Programs</b>                                                          | <b>19,319,492</b>  | <b>19,319,492</b>  | <b>22,549,802</b>  | <b>22,549,802</b>  | <b>78,004,696</b>  | <b>78,004,696</b>  | <b>78,004,696</b>  | <b>78,004,696</b>  |
| <b>BayREN Programs</b>                                                       | <b>6,957,000</b>   | <b>6,957,000</b>   | <b>6,957,000</b>   | <b>21,259,000</b>  | <b>21,259,000</b>  | <b>21,259,000</b>  | <b>21,259,000</b>  | <b>27,227,000</b>  |
| <b>3C-REN Programs</b>                                                       | <b>706,000</b>     | <b>706,000</b>     | <b>1,628,000</b>   | <b>1,628,000</b>   | <b>1,628,000</b>   | <b>2,765,000</b>   | <b>2,765,000</b>   | <b>2,765,000</b>   |
| <b>Total Forecast Portfolio Savings</b>                                      | <b>667,645,003</b> | <b>576,055,585</b> | <b>414,000,000</b> | <b>419,000,000</b> | <b>436,000,000</b> | <b>452,000,000</b> | <b>472,000,000</b> | <b>472,000,000</b> |
| CPUC Goal                                                                    | 448,000,000        | 524,000,000        | 517,000,000        | 558,000,000        | 568,000,000        | 576,000,000        | 588,000,000        | 605,000,000        |
| % of Goal                                                                    | 149%               | 110%               | 80%                | 75%                | 77%                | 78%                | 80%                | 78%                |
| Codes and Standards                                                          | 856,811,593        | 659,736,442        | 381,000,000        | 326,000,000        | 295,000,000        | 254,000,000        | 240,000,000        | 240,000,000        |

<sup>1</sup>"Reset" 2018 budget at or below 2018 annual budget approved in Business plan Decision. "True-up" years 2019-2025. 2018 budget represents PG&E's 2018 CEDARS Filing Budget (with \$548K DSM split 50/50 Res/Com) and the BP Decision Authorized 2018 budgets for BayREN and MCE, adjusted for 4% EM&V. 4.

<sup>2</sup>This is what PG&E intends to spend in the PY, including carryovers, as well as the amount by which Statewide 25% requirement will be measured, with the inclusion of statewide program budgets authorized in D.13-09-044 and D.16-09-020

<sup>3</sup>Sum of all PA budgets in IOU Service Area

<sup>4</sup>IOU only Subtotal (Line 13) + IOU EM&V (Line 14)

<sup>5</sup>2019 BayREN and MCE budgets are the authorized amounts from the BP Decision, with their EM&V budget increased to be 4% of their total budget. 2020-2025 BayREN and MCE budgets are the authorized amounts from the BP Decision, with their EM&V budget increased to be 4% of their total budget.

<sup>6</sup>2019 3C-REN budget is the proposed contribution for PG&E as circulated by 3C-REN on August 28, 2018, which includes 4% EM&V. Used same budget for 2020-2025.

**Table 11: PG&E kW True-Up**

| <b>Sector</b>                                           | <b>Annual Rolling Portfolio Savings Forecast - True-up (kW)<sup>1</sup></b> |                |               |               |               |               |               |               |
|---------------------------------------------------------|-----------------------------------------------------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                                                         | 2018                                                                        | 2019           | 2020          | 2021          | 2022          | 2023          | 2024          | 2025          |
| Residential                                             | 35,617                                                                      | 41,435         | 11,800        | 10,900        | 10,400        | 8,700         | 8,700         | 9,900         |
| Commercial                                              | 22,318                                                                      | 20,725         | 28,700        | 30,500        | 32,500        | 36,700        | 41,200        | 44,700        |
| Industrial                                              | 13,947                                                                      | 4,957          | 4,000         | 3,900         | 3,800         | 3,700         | 3,600         | 3,600         |
| Agriculture                                             | 10,099                                                                      | 9,431          | 2,400         | 2,500         | 2,500         | 2,600         | 2,600         | 2,700         |
| Emerging Tech                                           | n/a                                                                         | n/a            | n/a           | n/a           | n/a           | n/a           | n/a           | n/a           |
| Public                                                  | 12,633                                                                      | 2,334          | 2,800         | 3,000         | 3,300         | 3,900         | 4,400         | 4,900         |
| WE&T                                                    | n/a                                                                         | n/a            | n/a           | n/a           | n/a           | n/a           | n/a           | n/a           |
| Finance <sup>2</sup>                                    | 992                                                                         | 12,033         | -             | -             | -             | -             | -             | -             |
| OBF Loan Pool <sup>2</sup>                              | n/a                                                                         | n/a            | n/a           | n/a           | n/a           | n/a           | n/a           | n/a           |
| <b>IOU - Subtotal</b>                                   | <b>95,606</b>                                                               | <b>90,916</b>  | <b>49,700</b> | <b>50,800</b> | <b>52,500</b> | <b>55,600</b> | <b>60,500</b> | <b>65,800</b> |
| <b>ESA Savings</b>                                      | <b>76,831</b>                                                               | <b>13,327</b>  | <b>TBD</b>    | <b>TBD</b>    | <b>TBD</b>    | <b>TBD</b>    | <b>TBD</b>    | <b>TBD</b>    |
| <b>MCE Programs</b>                                     | <b>1,710</b>                                                                | <b>1,710</b>   | <b>1,251</b>  | <b>1,251</b>  | <b>3,595</b>  | <b>3,595</b>  | <b>3,595</b>  | <b>3,595</b>  |
| <b>BayREN Programs</b>                                  | <b>1,770</b>                                                                | <b>1,770</b>   | <b>1,770</b>  | <b>5,560</b>  | <b>5,560</b>  | <b>5,560</b>  | <b>5,560</b>  | <b>9,570</b>  |
| <b>3C-REN Programs</b>                                  | <b>500</b>                                                                  | <b>500</b>     | <b>1,200</b>  | <b>1,200</b>  | <b>1,200</b>  | <b>2,100</b>  | <b>2,100</b>  | <b>2,100</b>  |
| <b>Total Forecast Portfolio Savings (w/out C&amp;S)</b> | <b>172,437</b>                                                              | <b>104,242</b> | <b>49,700</b> | <b>50,800</b> | <b>52,500</b> | <b>55,600</b> | <b>60,500</b> | <b>65,800</b> |
| CPUC Goal                                               | 84,000                                                                      | 100,000        | 97,000        | 106,000       | 108,000       | 110,000       | 112,000       | 116,000       |
| % of Goal                                               | 205%                                                                        | 104%           | 51%           | 48%           | 49%           | 51%           | 54%           | 57%           |
| Codes and Standards                                     | 165,202                                                                     | 150,796        | 101,000       | 94,000        | 90,000        | 84,000        | 82,000        | 82,000        |

<sup>1</sup> Numbers for 2020 - 2025 represent savings forecast as presented in the Business Plan. PG&E will reassess savings goals in future years based on solicitation progress and Potential Study updates, and will strive to achieve goals put forth in future Potential Study updates.

<sup>2</sup> Savings from Financing and OBF Loan Pool projects are rolled into the savings forecasts for the sectors above for program years 2020 - 2025.

**Table 12: PG&E Therm True-Up**

| <b>Sector</b>                                           | <b>Annual Rolling Portfolio Savings Forecast - True-up (therms)<sup>1</sup></b> |                   |                   |                   |                   |                   |                   |                   |
|---------------------------------------------------------|---------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                                                         | 2018                                                                            | 2019              | 2020              | 2021              | 2022              | 2023              | 2024              | 2025              |
| Residential                                             | 4,483,968                                                                       | 7,109,676         | 5,700,000         | 5,700,000         | 6,000,000         | 6,200,000         | 6,700,000         | 7,200,000         |
| Commercial                                              | 4,653,218                                                                       | 4,784,700         | 1,900,000         | 2,100,000         | 2,300,000         | 2,500,000         | 2,700,000         | 2,800,000         |
| Industrial                                              | 7,148,899                                                                       | 2,542,573         | 4,300,000         | 4,200,000         | 4,200,000         | 4,100,000         | 4,100,000         | 4,000,000         |
| Agriculture                                             | 1,227,494                                                                       | 520,572           | 200,000           | 200,000           | 200,000           | 200,000           | 200,000           | 200,000           |
| Emerging Tech                                           | n/a                                                                             | n/a               | n/a               | n/a               | n/a               | n/a               | n/a               | n/a               |
| Public                                                  | 854,024                                                                         | 340,648           | 300,000           | 400,000           | 400,000           | 500,000           | 500,000           | 500,000           |
| WE&T                                                    | n/a                                                                             | n/a               | n/a               | n/a               | n/a               | n/a               | n/a               | n/a               |
| Finance <sup>2</sup>                                    | 421,791                                                                         | 3,907,667         | -                 | -                 | -                 | -                 | -                 | -                 |
| OBF Loan Pool <sup>2</sup>                              | n/a                                                                             | n/a               | n/a               | n/a               | n/a               | n/a               | n/a               | n/a               |
| <b>IOU - Subtotal</b>                                   | <b>18,789,394</b>                                                               | <b>19,205,834</b> | <b>12,400,000</b> | <b>12,600,000</b> | <b>13,100,000</b> | <b>13,500,000</b> | <b>14,200,000</b> | <b>14,700,000</b> |
| <b>ESA Savings</b>                                      | <b>1,967,722</b>                                                                | <b>(296,372)</b>  | <b>TBD</b>        | <b>TBD</b>        | <b>TBD</b>        | <b>TBD</b>        | <b>TBD</b>        | <b>TBD</b>        |
| <b>MCE Programs</b>                                     | <b>815,817</b>                                                                  | <b>815,817</b>    | <b>1,555,065</b>  | <b>1,555,065</b>  | <b>5,219,615</b>  | <b>5,219,615</b>  | <b>5,219,615</b>  | <b>5,219,615</b>  |
| <b>BayREN Programs</b>                                  | <b>900,000</b>                                                                  | <b>900,000</b>    | <b>900,000</b>    | <b>1,927,000</b>  | <b>1,927,000</b>  | <b>1,927,000</b>  | <b>1,927,000</b>  | <b>2,577,000</b>  |
| <b>3C-REN Programs</b>                                  | <b>65,000</b>                                                                   | <b>65,000</b>     | <b>157,000</b>    | <b>157,000</b>    | <b>157,000</b>    | <b>276,000</b>    | <b>276,000</b>    | <b>276,000</b>    |
| <b>Total Forecast Portfolio Savings (w/out C&amp;S)</b> | <b>20,757,116</b>                                                               | <b>18,909,462</b> | <b>12,400,000</b> | <b>12,600,000</b> | <b>13,100,000</b> | <b>13,500,000</b> | <b>14,200,000</b> | <b>14,700,000</b> |
| CPUC Goal                                               | 17,000,000                                                                      | 19,000,000        | 18,000,000        | 20,000,000        | 23,000,000        | 24,000,000        | 24,000,000        | 24,000,000        |
| % of Goal                                               | 122%                                                                            | 100%              | 69%               | 63%               | 57%               | 56%               | 59%               | 61%               |
| Codes and Standards                                     | 15,397,524                                                                      | 16,394,386        | 6,000,000         | 6,000,000         | 6,000,000         | 6,000,000         | 5,000,000         | 5,000,000         |

<sup>1</sup> Numbers for 2020 - 2025 represent savings forecast as presented in the Business Plan. PG&E will reassess savings goals in future years based on solicitation progress and Potential Study updates, and will strive to achieve goals put forth in future Potential Study updates.

<sup>2</sup> Savings from Financing and OBF Loan Pool projects are rolled into the savings forecasts for the sectors above for program years 2020 - 2025.

## **H. Public Sector Program Clarification**

In its 2019 ABAL, PG&E had signaled its intention to sunset the Local Government Energy Action Resources Program (LGEAR, PGE2110051) because, while “LGEAR traditionally sought to test and develop new partnership programs as well as augment existing partnerships, the portfolio’s shift toward a third-party outsourced model obviates the need to stand up new partnerships and offerings through LGEAR.”<sup>24</sup>

In this supplemental filing, PG&E clarifies that it plans to keep the LGEAR program open for 2019 to enable the regional direct install implementers to serve customers outside of the precisely defined local government partnership boundaries. This will allow customers to be served more quickly and effectively. As stated in PG&E’s 2019 ABAL, LGEAR will not be used to stand up new partnerships in 2019 in anticipation of the portfolio’s shift toward third-party outsourcing.

## **IV. Conclusion**

PG&E respectfully requests that the Commission approve PG&E’s 2019 EE budget as filed on September 4, 2018.

## **V. Protests**

PG&E asks that the Commission, pursuant to GO 96-B, General Rule 7.5.1, maintain the original protest and comment period designated in Advice 4011-G-/5375-E and not reopen the protest period as the information in this advice letter reflects the direction of Energy Division.

## **VI. Effective Date**

PG&E requests that this Tier 2 advice filing become effective on January 1, 2019.

## **VII. Notice**

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service lists for R.13-11-005, A.17-01-013 et al. Address changes to the General

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<sup>24</sup> PG&E 2019 ABAL 4011-G/5375-E, pp. 31

Order 96-B service list should be directed to PG&E at email address [PGETariffs@pge.com](mailto:PGETariffs@pge.com). For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov). Send all electronic approvals to [PGETariffs@pge.com](mailto:PGETariffs@pge.com). Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs/>.

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/S/

Erik Jacobson  
Director, Regulatory Relations

Attachments

- Attachment 1 – California Energy Data and Reporting System (CEDARS) Filing Confirmation
- Attachment 2 – Appendices

cc: Peter Franzese, Energy Division  
Service List R.13-11-005  
Service List A.17-01-013 et al



# ADVICE LETTER SUMMARY

## ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Pacific Gas and Electric Company (ID U39M)

Utility type:

☒ ELC

☒ GAS

☐ WATER

☐ PLC

☐ HEAT

Contact Person: Yvonne Yang

Phone #: (415)973-2094

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: Yvonne.Yang@pge.com

### EXPLANATION OF UTILITY TYPE

ELC = Electric  
PLC = Pipeline

GAS = Gas  
HEAT = Heat

WATER = Water

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 4011-G-A/5375-E-A

Tier Designation: 2

Subject of AL: Supplemental: PG&E's 2019 Energy Efficiency Annual Budget Advice Letter in Compliance with Decisions 15-10-028 and 18-05-041

Keywords (choose from CPUC listing): Energy Efficiency, Compliance

AL Type: ☐ Monthly ☐ Quarterly ☒ Annual ☐ One-Time ☐ Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D. 15-10-028 and D. 18-05-041

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested? ☐ Yes ☒ No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? ☐ Yes ☒ No

Requested effective date: 1/1/19

No. of tariff sheets: N/A

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed<sup>1</sup>: N/A

Pending advice letters that revise the same tariff sheets: N/A

<sup>1</sup>Discuss in AL if more space is needed.

**Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:**

CPUC, Energy Division  
Attention: Tariff Unit  
505 Van Ness Avenue  
San Francisco, CA 94102  
Email: [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov)

Name: Erik Jacobson, c/o Megan Lawson  
Title: Director, Regulatory Relations  
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Utility Name:  
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Clear Form



## **Attachment 1**

### **California Energy Data and Reporting System (CEDARS) Filing Confirmation**

## CEDARS FILING SUBMISSION RECEIPT

The PGE portfolio filing has been submitted and is now under review. A summary of the filing is provided below.

PA: Pacific Gas & Electric (PGE)

Filing Year: 2019

Submitted: 12:47:44 on 29 Oct 2018

By: Jennifer Roecks

Advice Letter Number: 4011-G/5375-E

### \* Portfolio Filing Summary \*

- TRC: 1.271
- PAC: 3.6832
- TRC (no admin): 1.661
- PAC (no admin): 11.5266
- RIM: 0.5761
- Budget: \$293,779,502.05

### \* Programs Included in the Filing \*

- PGE21001: Residential Energy Advisor
- PGE210010: Pay for Performance Pilot
- PGE210011: Residential Energy Fitness program
- PGE21002: Residential Energy Efficiency
- PGE21003: Multifamily Energy Efficiency
- PGE21004: Energy Upgrade California
- PGE21005: Residential New Construction
- PGE21006: Residential HVAC
- PGE21007: California New Homes Multifamily
- PGE21008: Enhance Time Delay Relay
- PGE21009: Direct Install for Manufactured and Mobile Homes
- PGE21011: Commercial Calculated Incentives
- PGE210112: School Energy Efficiency
- PGE210119: LED Accelerator
- PGE21012: Commercial Deemed Incentives
- PGE210123: Healthcare Energy Efficiency Program
- PGE21013: Commercial Continuous Energy Improvement
- PGE210135: Water Infrastructure and System Efficiency
- PGE210139: SEI Energize Schools Program
- PGE21014: Commercial Energy Advisor
- PGE210143: Hospitality Program
- PGE21015: Commercial HVAC

- PGE21018: EnergySmart Grocer
- PGE21021: Industrial Calculated Incentives
- PGE210210: Industrial Recommissioning Program
- PGE210211: Light Industrial Energy Efficiency
- PGE210212: Compressed Air and Vacuum Optimization Program
- PGE210213: Small Petrochemical Energy Efficiency
- PGE21022: Industrial Deemed Incentives
- PGE21023: Industrial Continuous Energy Improvement
- PGE21024: Industrial Energy Advisor
- PGE21025: California Wastewater Process Optimization
- PGE21026: Energy Efficiency Services for Oil Production
- PGE21027: Heavy Industry Energy Efficiency Program
- PGE21029: Refinery Energy Efficiency Program
- PGE21030: Industrial Strategic Energy Management
- PGE21031: Agricultural Calculated Incentives
- PGE210311: Process Wastewater Treatment EM Pgm for Ag Food Processing
- PGE210312: Dairy and Winery Industry Efficiency Solutions
- PGE21032: Agricultural Deemed Incentives
- PGE21033: Agricultural Continuous Energy Improvement
- PGE21034: Agricultural Energy Advisor
- PGE21036: Industrial Refrigeration Performance Plus
- PGE21039: Comprehensive Food Process Audit & Resource Efficiency Pgm
- PGE21041: Primary Lighting
- PGE21042: Lighting Innovation
- PGE21043: Lighting Market Transformation
- PGE21051: Building Codes Advocacy
- PGE21052: Appliance Standards Advocacy
- PGE21053: Compliance Improvement
- PGE21054: Reach Codes
- PGE21055: Planning and Coordination
- PGE21056: Code Readiness
- PGE21057: National Codes and Standards Advocacy
- PGE21061: Technology Development Support
- PGE21062: Technology Assessments
- PGE21063: Technology Introduction Support
- PGE21071: Integrated Energy Education and Training
- PGE21072: Connections
- PGE21073: Strategic Planning
- PGE21076: Career and Workforce Readiness
- PGE21081: Statewide DSM Coordination & Integration
- PGE21091: On-Bill Financing (excludes Loan Pool)
- PGE210911: On-Bill Financing Alternative Pathway
- PGE21091LP: Financing Loan Pool Addition
- PGE21092: Third-Party Financing
- PGE21093: New Financing Offerings
- PGE2110011: California Community Colleges
- PGE2110012: University of California/California State University
- PGE2110013: State of California

- PGE2110014: Department of Corrections and Rehabilitation
- PGE2110051: Local Government Energy Action Resources (LGEAR)
- PGE2110052: Strategic Energy Resources
- PGE211007: Association of Monterey Bay Area Governments (AMBAG)
- PGE211009: East Bay
- PGE211010: Fresno
- PGE211011: Kern
- PGE211012: Madera
- PGE211013: Marin County
- PGE211014: Mendocino/Lake County
- PGE211015: Napa County
- PGE211016: Redwood Coast
- PGE211018: San Luis Obispo County
- PGE211019: San Mateo County
- PGE211020: Santa Barbara
- PGE211021: Sierra Nevada
- PGE211022: Sonoma County
- PGE211023: Silicon Valley
- PGE211024: San Francisco
- PGE211025: Savings by Design (SBD)
- PGE211026: North Valley
- PGE211027: Sutter Buttes
- PGE211028: Yolo
- PGE211029: Solano
- PGE211030: Northern San Joaquin Valley
- PGE211031: Valley Innovative Energy Watch (VIEW)
- PGE\_EMV: Evaluation Measurement and Verification
- PGE\_ESA: Energy Savings Assistance
- PGE\_ESPI: Energy Savings Performance Index
- PGE\_SWME: Statewide Marketing Education and Outreach
- PGE\_WATER: Water Energy Nexus

## **Attachment 2**

### **Appendices**

**PA Name:** Pacific Gas and Electric Company

**Budget Year:** 2019

| Table 1 -Bill Payer Impacts - Rates by Customer Class |                                                |                                             |                                         |                                           |
|-------------------------------------------------------|------------------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------|
|                                                       | Electric Average Rate (Res and Non-Res) \$/kwh | Gas Average Rate (Res and Non-Res) \$/therm | Total Average Bill Savings by Year (\$) | Total Average Lifecycle Bill Savings (\$) |
| <b>Present Rates - System Average</b>                 |                                                |                                             |                                         |                                           |
| 2013                                                  | \$ 0.16088                                     | \$ 1.18081                                  | \$ 152,246,518                          | \$ 1,553,692,551                          |
| 2014                                                  | \$ 0.16891                                     | \$ 1.24800                                  | \$ 161,566,746                          | \$ 1,557,176,408                          |
| 2015                                                  | \$ 0.17094                                     | \$ 1.50984                                  | \$ 226,868,285                          | \$ 2,396,414,536                          |
| 2016                                                  | \$ 0.18423                                     | \$ 1.66679                                  | \$ 263,727,662                          | \$ 2,670,876,906                          |
| 2017                                                  | \$ 0.19092                                     | \$ 1.59360                                  | \$ 300,032,228                          | \$ 3,316,129,816                          |
| <b>2018</b>                                           | \$ 0.19545                                     | \$ 1.53810                                  | \$ 277,809,754                          | \$ 3,064,704,836                          |

Notes:

- 1) Average first year electric bill savings is calculated by multiplying an average electric rate with first year net kWh energy savings.
- 2) Average first year gas bill savings is calculated by multiplying an average gas rate with first year net therm energy savings.
- 3) Total average first year bill savings is the sum of Notes 1 and 2.
- 4) Average lifecycle electric bill savings is calculated by multiplying an average electric rate with lifecycle net kWh energy savings.
- 5) Average lifecycle gas bill savings is calculated by multiplying an average gas rate with lifecycle net therm energy savings.
- 6) Total average lifecycle bill savings is the sum of Notes 4 and 5.
- 7) As of 3/1/2018, the bundles average electric rate is \$0.19545
- 8) As of 7/1/2018, the bundled average gas rate is \$1.507 per therm before the impact of EE programs.
- 9) Total Average Bill Savings by Year and Lifecycle Bill Savings include C&S net lifecycle savings and exclude ESA Programs.
- 10) Consistent with SPM TRC/PAC/RIM tests, all savings used from actuals and forecasts in this table are net not gross

Table 2a - Electric Bill Payer Impacts - Current and Proposed Revenues and Rates, Total and Energy Efficiency, by Customer Class

| Customer Classes             | 2017 Total Electric Annual Revenue \$000 | 2017 Energy Efficiency Portion of Total Electric Annual Revenue \$000 | 2018 Energy Efficiency Portion of Total Electric Annual Revenue \$000 | 2019 Proposed Energy Efficiency Electric Annual Revenue Change \$000 | 2019 Proposed Percentage Change In Electric Revenue and Rates | 2017 Electric Average Rate \$/kwh | 2017 Energy Efficiency Portion of Electric Average Rate \$/kwh | 2018 Electric Average Rate \$/kwh | 2018 Energy Efficiency Portion of Electric Average Rate \$/kwh | 2019 Proposed Electric Average Rate Change \$/kwh | 2019 Proposed Percentage Change In Electric Revenue and Rates |
|------------------------------|------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|
| <b>Bundled</b>               | \$ 5,122,944                             | \$ 124,851                                                            | \$ 92,173                                                             | \$ (3,477)                                                           | -3.77%                                                        | \$ 0.20396                        | \$ 0.00497                                                     | \$ 0.20143                        | \$ 0.00502                                                     | \$ (0.00019)                                      | -0.09%                                                        |
| Residential                  | \$ 1,602,138                             | \$ 38,452                                                             | \$ 27,272                                                             | \$ (732)                                                             | -2.68%                                                        | \$ 0.22870                        | \$ 0.00549                                                     | \$ 0.23599                        | \$ 0.00556                                                     | \$ (0.00015)                                      | -0.06%                                                        |
| Commercial - Small           | \$ 1,524,973                             | \$ 33,958                                                             | \$ 22,671                                                             | \$ 461                                                               | 2.04%                                                         | \$ 0.20346                        | \$ 0.00453                                                     | \$ 0.21265                        | \$ 0.00458                                                     | \$ 0.00009                                        | 0.04%                                                         |
| Commercial - Medium          | \$ 1,559,370                             | \$ 34,938                                                             | \$ 26,520                                                             | \$ 420                                                               | 1.58%                                                         | \$ 0.17785                        | \$ 0.00398                                                     | \$ 0.18398                        | \$ 0.00402                                                     | \$ 0.00007                                        | 0.04%                                                         |
| Commercial - Large           | \$ 61,810                                | \$ 1,521                                                              | \$ 964                                                                | \$ 2                                                                 | 0.20%                                                         | \$ 0.21969                        | \$ 0.00541                                                     | \$ 0.23095                        | \$ 0.00546                                                     | \$ 0.00002                                        | 0.01%                                                         |
| Streetlights                 | \$ 75,282                                | \$ 1,801                                                              | \$ 1,573                                                              | \$ 97                                                                | 6.19%                                                         | \$ 0.14760                        | \$ 0.00353                                                     | \$ 0.17169                        | \$ 0.00492                                                     | \$ 0.00031                                        | 0.18%                                                         |
| Standby                      | \$ 1,161,575                             | \$ 23,905                                                             | \$ 21,161                                                             | \$ (627)                                                             | -2.96%                                                        | \$ 0.17822                        | \$ 0.00367                                                     | \$ 0.20053                        | \$ 0.00400                                                     | \$ (0.00012)                                      | -0.06%                                                        |
| Agricultural                 | \$ 1,378,895                             | \$ 27,548                                                             | \$ 21,209                                                             | \$ 316                                                               | 1.49%                                                         | \$ 0.14202                        | \$ 0.00284                                                     | \$ 0.14901                        | \$ 0.00287                                                     | \$ 0.00004                                        | 0.03%                                                         |
| Agricultural                 |                                          |                                                                       |                                                                       |                                                                      |                                                               |                                   |                                                                |                                   |                                                                |                                                   |                                                               |
| Industrial                   | \$ 398,611                               | \$ 12,699                                                             | \$ 46,775                                                             | \$ (1,764)                                                           | -3.77%                                                        | \$ 0.15581                        | \$ 0.00497                                                     | \$ 0.15239                        | \$ 0.00502                                                     | \$ (0.00019)                                      | -0.12%                                                        |
| <b>Direct Access Service</b> | \$ 186,164                               | \$ 6,261                                                              | \$ 16,878                                                             | \$ (455)                                                             | -2.68%                                                        | \$ 0.16321                        | \$ 0.00549                                                     | \$ 0.15586                        | \$ 0.00556                                                     | \$ (0.00015)                                      | -0.10%                                                        |
| Residential                  | \$ 232,678                               | \$ 8,800                                                              | \$ 23,339                                                             | \$ 415                                                               | 2.04%                                                         | \$ 0.11979                        | \$ 0.00453                                                     | \$ 0.12139                        | \$ 0.00458                                                     | \$ 0.00009                                        | 0.07%                                                         |
| Commercial - Small           | \$ 389,235                               | \$ 17,525                                                             | \$ 24,659                                                             | \$ 391                                                               | 1.58%                                                         | \$ 0.08850                        | \$ 0.00398                                                     | \$ 0.08976                        | \$ 0.00402                                                     | \$ 0.00007                                        | 0.08%                                                         |
| Commercial - Medium          | \$ 6,259                                 | \$ 283                                                                | \$ 543                                                                | \$ 1                                                                 | 0.20%                                                         | \$ 0.11940                        | \$ 0.00541                                                     | \$ 0.15663                        | \$ 0.00546                                                     | \$ 0.00002                                        | 0.01%                                                         |
| Commercial - Large           | \$ 355                                   | \$ 16                                                                 | \$ 3                                                                  | \$ 0                                                                 | 6.19%                                                         | \$ 0.07736                        | \$ 0.00353                                                     | \$ 0.24901                        | \$ 0.00492                                                     | \$ 0.00031                                        | 0.12%                                                         |
| Agricultural                 | \$ 13,722                                | \$ 361                                                                | \$ 1,610                                                              | \$ (107)                                                             | -2.96%                                                        | \$ 0.13925                        | \$ 0.00367                                                     | \$ 0.11978                        | \$ 0.00400                                                     | \$ (0.00012)                                      | -0.10%                                                        |
| Industrial                   | \$ 374,724                               | \$ 17,769                                                             | \$ 24,760                                                             | \$ 387                                                               | 1.56%                                                         | \$ 0.05818                        | \$ 0.00276                                                     | \$ 0.06437                        | \$ 0.00289                                                     | \$ 0.00004                                        | 0.06%                                                         |
| <b>Disputed Load</b>         | \$ 35,623                                | \$ 6,196                                                              | \$ 6,718                                                              | \$ 133                                                               | 1.99%                                                         | \$ 0.00303                        |                                                                |                                   | \$ 0.00319                                                     | \$ 0.00007                                        |                                                               |

Notes:

- 1) Customers who receive electric procurement as well as delivery service from PG&E.
- 2) Customers who purchase electricity from non-PG&E suppliers.
- 3) 2017 Total revenue from July 1, 2017 Rate Change AL 5088-E
- 4) EE portion of 2017 revenue based on EE revenue requirement in rates (former PGC and proc EE) from 2017 Annual Electric True-up AL 4902-E-A
- 5) 2018 total revenue from 2018 Annual Electric True-up AL 5231-E
- 6) EE portion of 2018 revenue based on EE revenue requirement in rates (former PGC and proc EE) from 2018 Annual Electric True-up AL 5231-E

Table 2b - Gas Bill Payer Impacts - Current and Proposed Revenues and Rates, Total and Energy Efficiency, by Customer Class

| Customer Classes                                     | 2017 Total Gas Annual Revenue \$000 | 2017 Energy Efficiency Portion of Total Gas Annual Revenue \$000 | 2018 Energy Efficiency Portion of Total Gas Annual Revenue \$000 (3) | 2019 Proposed Energy Efficiency Gas Annual Revenue Change \$000 (4)(5)(6) | 2019 Proposed Percentage Change In Gas Revenue and Rates (4)(5)(6) | 2017 Gas Average Rate \$/therm | 2017 Energy Efficiency Portion of Gas Average Rate \$/therm | 2018 Gas Average Rate \$/therm | 2018 Energy Efficiency Portion of Gas Average Rate \$/therm | 2019 Proposed Gas Average Rate Change \$/therm (6) | 2019 Proposed Percentage Change In Gas Revenue and Rates (6) |
|------------------------------------------------------|-------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------|--------------------------------|-------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|
| <b>Core Retail Bundled<sup>1</sup></b>               |                                     |                                                                  |                                                                      |                                                                           |                                                                    |                                |                                                             |                                |                                                             |                                                    |                                                              |
| Residential - Non-CARE                               | \$ 2,375,481                        | \$ 47,933                                                        | \$ 43,142                                                            | \$ (95)                                                                   | -0.004%                                                            | \$ 1.5936                      | \$ 0.0356                                                   | \$ 1.5381                      | \$ 0.0310                                                   | \$ (0.0001)                                        | -0.005%                                                      |
| Residential - CARE                                   | \$ 599,661                          | \$ 12,100                                                        | \$ 10,612                                                            | \$ (24)                                                                   | -0.004%                                                            | \$ 1.2637                      | \$ 0.0356                                                   | \$ 1.2216                      | \$ 0.0310                                                   | \$ (0.0001)                                        | -0.006%                                                      |
| Commercial - Small                                   | \$ 598,003                          | \$ 4,565                                                         | \$ 4,012                                                             | \$ (9)                                                                    | -0.002%                                                            | \$ 1.1315                      | \$ 0.0086                                                   | \$ 1.6807                      | \$ 0.0074                                                   | \$ (0.0001)                                        | -0.002%                                                      |
| Commercial - Large                                   | \$ 37,567                           | \$ 1,625                                                         | \$ 1,428                                                             | \$ (3)                                                                    | -0.009%                                                            | \$ 0.8795                      | \$ 0.0365                                                   | \$ 0.8282                      | \$ 0.0323                                                   | \$ (0.0001)                                        | -0.009%                                                      |
| <b>Core Retail - Transportation Only<sup>4</sup></b> |                                     |                                                                  |                                                                      |                                                                           |                                                                    |                                |                                                             |                                |                                                             |                                                    |                                                              |
| Residential - Non-CARE                               | \$ 39,045                           | \$ 788                                                           | \$ 693                                                               | \$ (2)                                                                    | -0.004%                                                            | \$ 1.1681                      | \$ 0.0356                                                   | \$ 1.2195                      | \$ 0.0310                                                   | \$ (0.0001)                                        | -0.006%                                                      |
| Residential - CARE                                   | \$ 9,856                            | \$ 199                                                           | \$ 174                                                               | \$ (9)                                                                    | -0.004%                                                            | \$ 0.8381                      | \$ 0.0356                                                   | \$ 0.8030                      | \$ 0.0310                                                   | \$ (0.0001)                                        | -0.008%                                                      |
| Commercial - Small                                   | \$ 215,383                          | \$ 1,644                                                         | \$ 1,445                                                             | \$ (3)                                                                    | -0.002%                                                            | \$ 0.7230                      | \$ 0.0086                                                   | \$ 0.7784                      | \$ 0.0074                                                   | \$ (0.0001)                                        | -0.002%                                                      |
| Commercial - Large                                   | \$ 18,708                           | \$ 809                                                           | \$ 711                                                               | \$ (2)                                                                    | -0.009%                                                            | \$ 0.5008                      | \$ 0.0365                                                   | \$ 0.5547                      | \$ 0.0323                                                   | \$ (0.0001)                                        | -0.013%                                                      |
| <b>Noncore- Transportation Only</b>                  |                                     |                                                                  |                                                                      |                                                                           |                                                                    |                                |                                                             |                                |                                                             |                                                    |                                                              |
| Industrial - Distribution                            | \$ 75,471                           | \$ 2,081                                                         | \$ 1,829                                                             | \$ (4)                                                                    | -0.005%                                                            | \$ 0.2978                      | \$ 0.0086                                                   | \$ 0.3513                      | \$ 0.0074                                                   | \$ (0.0001)                                        | -0.005%                                                      |
| Commercial/Industrial                                | \$ 236,215                          | \$ 5,628                                                         | \$ 4,945                                                             | \$ (11)                                                                   | -0.004%                                                            | \$ 0.1504                      | \$ 0.0031                                                   | \$ 0.1990                      | \$ 0.0030                                                   | \$ (0.0001)                                        | -0.003%                                                      |

Table 3 - Budget and Cost Recovery by Funding Source

|                                                               | 2019           |
|---------------------------------------------------------------|----------------|
| 2019 EE Portfolio Budget [1]                                  | \$ 408,757,913 |
| Unspent/Uncommitted EM&V Carryover Funds from pre-2019        | \$ -           |
| Unspent/Uncommitted Program Carryover Funds from pre-2019 [2] | \$ 157,019,896 |
| Total Funding Request for 2019 EE Portfolio                   | \$ 251,738,023 |

Budget by Funding Source

| 2019 Authorized (Before Carryover) [1] | 2019 Budget    | Allocation |
|----------------------------------------|----------------|------------|
| Electric Procurement EE Funds          | \$ 306,568,435 | 75%        |
| Gas PPP Surcharge Funds                | \$ 102,189,478 | 25%        |
| Total Funds                            | \$ 408,757,913 | 100%       |

Revenue Requirement for Cost Recovery by Funding Source

|                                                                 | 2019 Revenue Requirement | Allocation after Carryover adjustment |
|-----------------------------------------------------------------|--------------------------|---------------------------------------|
| 2019 Authorized Funding in Rates (including pre-2019 carryover) |                          |                                       |
| Electric Procurement EE Funds                                   | \$ 188,803,517           | 75%                                   |
| Gas PPP Surcharge Funds                                         | \$ 62,934,506            | 25%                                   |
| Total Funds                                                     | \$ 251,738,023           | 100%                                  |

Unspent/Uncommitted Carryover Funds (in positive \$ amounts)

| Total Unspent/Uncommitted Funds | Electric PG&E | Electric Procurement | Total Electric | Gas           | Total          |
|---------------------------------|---------------|----------------------|----------------|---------------|----------------|
| 2018 (estimated)                | \$ -          | \$ 44,173,920        | \$ 44,173,920  | \$ 8,414,080  | \$ 52,588,000  |
| 2017                            | \$ -          | \$ 76,906,880        | \$ 76,906,880  | \$ 15,206,535 | \$ 92,113,415  |
| 2016                            | \$ -          | \$ 9,383,431         | \$ 9,383,431   | \$ 2,265,843  | \$ 11,649,274  |
| 2013-2015                       | \$ -          | \$ 183,971           | \$ 183,971     | \$ 214,074    | \$ 398,045     |
| Pre-2013                        | \$ 270        | \$ 222,137           | \$ 222,407     | \$ 48,749     | \$ 271,156     |
| Total Pre-2019                  | \$ 270        | \$ 130,870,339       | \$ 130,870,608 | \$ 26,149,281 | \$ 157,019,896 |

| EM&V Unspent/Uncommitted Funds | Electric PG&E | Electric Procurement | Total Electric | Gas  | Total |
|--------------------------------|---------------|----------------------|----------------|------|-------|
| 2018 (estimated)               | \$ -          | \$ -                 | \$ -           | \$ - | \$ -  |
| 2017                           | \$ -          | \$ -                 | \$ -           | \$ - | \$ -  |
| 2016                           | \$ -          | \$ -                 | \$ -           | \$ - | \$ -  |
| 2013-2015                      | \$ -          | \$ -                 | \$ -           | \$ - | \$ -  |
| Pre-2013                       | \$ -          | \$ -                 | \$ -           | \$ - | \$ -  |
| Total Pre-2019                 | \$ -          | \$ -                 | \$ -           | \$ - | \$ -  |

| Program Unspent/Uncommitted Funds | Electric PG&E | Electric Procurement | Total Electric | Gas           | Total          |
|-----------------------------------|---------------|----------------------|----------------|---------------|----------------|
| 2018 (estimated)                  | \$ -          | \$ 44,173,920        | \$ 44,173,920  | \$ 8,414,080  | \$ 52,588,000  |
| 2017                              | \$ -          | \$ 76,906,880        | \$ 76,906,880  | \$ 15,206,535 | \$ 92,113,415  |
| 2016                              | \$ -          | \$ 9,383,431         | \$ 9,383,431   | \$ 2,265,843  | \$ 11,649,274  |
| 2013-2015                         | \$ -          | \$ 183,971           | \$ 183,971     | \$ 214,074    | \$ 398,045     |
| Pre-2013                          | \$ 270        | \$ 222,137           | \$ 222,407     | \$ 48,749     | \$ 271,156     |
| Total Pre-2019                    | \$ 270        | \$ 130,870,339       | \$ 130,870,608 | \$ 26,149,281 | \$ 157,019,896 |

[1] Represents Authorized EE Funding in 2019 Rates.

[2] The Pre-2019 Unspent/Uncommitted Program Carryover Funds excludes \$499,483 of MCE electric funds requested to be refunded to ratepayers from the 2019 program cycle.



PA Name: Pacific Gas and Electric Company  
Budget Year: 2019

Table 4 – Budget, Spent, Unspent, Carryover Details

|                        |                                                        | 2013-2015 Budget, Spent, Unspent and Carryover |                                                     |                             |                                                            |                                                             |                                          |                                                              |                                            |                                                                              |                        |                 |  |
|------------------------|--------------------------------------------------------|------------------------------------------------|-----------------------------------------------------|-----------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------|------------------------|-----------------|--|
| New/Existing Program # | Main Program Name / Sub-Program Name                   | 2015 Authorized Budget                         | 2015 Total Budget with Commitments & Fundshifts [1] | 2015 Total Budget Spent [2] | Requested Carry Over of Pre-2013 Unspent Funds to 2016 [3] | 2013-2015 Unspent/Uncommitted Funds Refunded or Transferred | 2013-2015 Commitments as of 12/31/15 [5] | 2013-2015 Unspent/Commitments & Funds, Carryover to 2017 [6] | 2013-2015 Cycle Expenditures Spent in 2016 | Pre-2016 Unspent/Uncommitted Funds Available for 2017 offset [E-F+H-J-K] [7] | 2016 Authorized Budget | 2016 Fundshifts |  |
| PGE2100                | Residential Energy Efficiency Programs Total           | \$ 61,794,379                                  | \$ 83,984,802                                       | \$ 83,984,802               | \$ 4,475,456                                               | \$ -                                                        | \$ 12,029,803                            | \$ -                                                         | \$ (122,295)                               | \$ 122,295                                                                   | \$ 61,794,379          | \$ 11,336,407   |  |
| PGE21001               | Residential Energy Advisor                             | \$ 13,531,293                                  | \$ 23,635,570                                       | \$ 23,635,570               | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 0                                                                         | \$ 13,531,293          | \$ 2,500,000    |  |
| PGE21002               | Plug Load and Appliances                               | \$ 18,990,738                                  | \$ 18,858,757                                       | \$ 18,858,757               | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 0                                                                         | \$ 18,990,738          | \$ -            |  |
| PGE21003               | Multifamily Energy Efficiency                          | \$ 1,839,507                                   | \$ 1,522,581                                        | \$ 1,522,581                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 0                                                                         | \$ 1,839,507           | \$ -            |  |
| PGE21004               | Energy Upgrade California                              | \$ 13,998,809                                  | \$ 20,967,951                                       | \$ 20,967,951               | \$ 322,330                                                 | \$ -                                                        | \$ 322,330                               | \$ -                                                         | \$ (86,905)                                | \$ 86,905                                                                    | \$ 13,998,809          | \$ 7,936,407    |  |
| PGE21005               | Residential New Construction                           | \$ 3,958,299                                   | \$ 5,830,541                                        | \$ 5,830,541                | \$ 4,000,000                                               | \$ -                                                        | \$ 11,554,347                            | \$ -                                                         | \$ -                                       | \$ -                                                                         | \$ 3,958,299           | \$ 500,000      |  |
| PGE21006               | Residential HVAC                                       | \$ 9,475,734                                   | \$ 13,169,401                                       | \$ 13,169,401               | \$ 153,126                                                 | \$ -                                                        | \$ 153,126                               | \$ -                                                         | \$ (35,390)                                | \$ 35,390                                                                    | \$ 9,475,734           | \$ 400,000      |  |
| PGE21007               | Pay for Performance Pilot                              | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE2101                | Commercial Programs Total                              | \$ 79,040,928                                  | \$ 84,797,377                                       | \$ 84,797,377               | \$ 7,082,579                                               | \$ -                                                        | \$ 25,608,086                            | \$ -                                                         | \$ -                                       | \$ -                                                                         | \$ 79,040,928          | \$ 20,850,000   |  |
| PGE21011               | Commercial Calculated Incentives                       | \$ 25,132,514                                  | \$ 24,103,034                                       | \$ 24,440,383               | \$ 6,682,579                                               | \$ -                                                        | \$ 11,732,639                            | \$ -                                                         | \$ -                                       | \$ (337,349)                                                                 | \$ 25,132,514          | \$ -            |  |
| PGE21025               | Savings by Design (SBD)                                | \$ 10,237,119                                  | \$ 10,382,091                                       | \$ 10,533,625               | \$ 400,000                                                 | \$ -                                                        | \$ 13,821,821                            | \$ -                                                         | \$ -                                       | \$ (151,535)                                                                 | \$ 10,237,119          | \$ -            |  |
| PGE21012               | Commercial Deemed Incentives                           | \$ 18,922,890                                  | \$ 23,144,357                                       | \$ 23,786,931               | \$ -                                                       | \$ -                                                        | \$ 3,588                                 | \$ -                                                         | \$ -                                       | \$ (642,575)                                                                 | \$ 18,922,890          | \$ 20,850,000   |  |
| PGE21013               | Commercial Continuous Energy Improvement               | \$ 491,754                                     | \$ 785,604                                          | \$ 1,126,045                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (340,441)                                                                 | \$ 491,754             | \$ -            |  |
| PGE21014               | Commercial Energy Advisor                              | \$ 5,979,427                                   | \$ 5,508,948                                        | \$ 6,107,525                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (598,577)                                                                 | \$ 5,979,427           | \$ -            |  |
| PGE21015               | Commercial HVAC                                        | \$ 18,277,223                                  | \$ 20,873,344                                       | \$ 18,802,867               | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 2,070,476                                                                 | \$ 18,277,223          | \$ -            |  |
| PGE2103                | Agricultural Programs Total                            | \$ 16,823,008                                  | \$ 18,553,570                                       | \$ 18,553,570               | \$ -                                                       | \$ -                                                        | \$ 2,873,652                             | \$ -                                                         | \$ -                                       | \$ 0                                                                         | \$ 16,823,008          | \$ -            |  |
| PGE21031               | Agricultural Calculated Incentives                     | \$ 10,240,375                                  | \$ 9,443,406                                        | \$ 8,304,778                | \$ -                                                       | \$ -                                                        | \$ 2,873,652                             | \$ -                                                         | \$ -                                       | \$ 1,138,687                                                                 | \$ 10,240,375          | \$ -            |  |
| PGE21032               | Agricultural Deemed Incentives                         | \$ 3,815,997                                   | \$ 2,629,376                                        | \$ 4,804,403                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (2,175,027)                                                               | \$ 3,815,997           | \$ -            |  |
| PGE21033               | Agricultural Continuous Energy Improvement             | \$ 506,988                                     | \$ 1,034,505                                        | \$ 164,253                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 870,252                                                                   | \$ 506,988             | \$ -            |  |
| PGE21034               | Agricultural Energy Advisor                            | \$ 4,259,648                                   | \$ 5,446,223                                        | \$ 5,280,136                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 166,087                                                                   | \$ 4,259,648           | \$ -            |  |
| PGE2102                | Industrial Programs Total                              | \$ 11,938,780                                  | \$ 14,896,434                                       | \$ 12,571,310               | \$ 1,000,000                                               | \$ -                                                        | \$ 15,646,040                            | \$ -                                                         | \$ -                                       | \$ 2,325,124                                                                 | \$ 11,938,780          | \$ -            |  |
| PGE21021               | Industrial Calculated Incentives                       | \$ 8,712,285                                   | \$ 10,052,601                                       | \$ 9,520,724                | \$ 1,000,000                                               | \$ -                                                        | \$ 15,646,040                            | \$ -                                                         | \$ -                                       | \$ 531,877                                                                   | \$ 8,712,285           | \$ -            |  |
| PGE21022               | Industrial Deemed Incentives                           | \$ 794,316                                     | \$ (770)                                            | \$ 1,275,032                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (1,275,802)                                                               | \$ 794,316             | \$ -            |  |
| PGE21023               | Industrial Continuous Energy Improvement               | \$ 226,407                                     | \$ 806,463                                          | \$ 498,997                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 307,466                                                                   | \$ 226,407             | \$ -            |  |
| PGE21024               | Industrial Energy Advisor                              | \$ 2,205,773                                   | \$ 4,038,139                                        | \$ 1,276,557                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 2,761,583                                                                 | \$ 2,205,773           | \$ -            |  |
| PGE21030               | Industrial Strategic Energy Management                 | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE2104                | Lighting Programs Total                                | \$ 13,551,559                                  | \$ 13,998,772                                       | \$ 11,882,102               | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 2,116,670                                                                 | \$ 13,551,559          | \$ (700,000)    |  |
| PGE21041               | Primary Lighting                                       | \$ 11,188,130                                  | \$ 12,981,250                                       | \$ 10,718,482               | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 2,262,768                                                                 | \$ 11,188,130          | \$ -            |  |
| PGE21042               | Lighting Innovation                                    | \$ 1,692,692                                   | \$ (650,415)                                        | \$ 912,958                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (1,563,373)                                                               | \$ 1,692,692           | \$ (700,000)    |  |
| PGE21043               | Lighting Market Transformation                         | \$ 670,738                                     | \$ 1,667,938                                        | \$ 250,663                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 1,417,275                                                                 | \$ 670,738             | \$ -            |  |
| PGE2105                | Codes & Standards Programs Total                       | \$ 15,335,248                                  | \$ 15,386,387                                       | \$ 12,781,513               | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 2,604,873                                                                 | \$ 15,335,248          | \$ 279,921      |  |
| PGE21051               | Building Codes Advocacy                                | \$ 4,482,917                                   | \$ 8,202,476                                        | \$ 3,296,640                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 4,905,837                                                                 | \$ 4,482,917           | \$ -            |  |
| PGE21052               | Appliance Standards Advocacy                           | \$ 4,407,361                                   | \$ 3,298,213                                        | \$ 5,129,082                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (1,830,869)                                                               | \$ 4,407,361           | \$ 279,921      |  |
| PGE21053               | Compliance Improvement                                 | \$ 3,870,071                                   | \$ 952,088                                          | \$ 2,776,489                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (1,824,401)                                                               | \$ 3,870,071           | \$ -            |  |
| PGE21054               | Reach Codes                                            | \$ 1,429,957                                   | \$ 1,740,210                                        | \$ 669,053                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 1,071,157                                                                 | \$ 1,429,957           | \$ -            |  |
| PGE21055               | Planning and Coordination                              | \$ 1,144,942                                   | \$ 1,193,401                                        | \$ 910,251                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 283,150                                                                   | \$ 1,144,942           | \$ -            |  |
| PGE21056               | Code Readiness                                         | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE21057               | National Codes & Standards Advocacy                    | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE2106                | Emerging Technologies Programs Total                   | \$ 6,292,077                                   | \$ 11,281,370                                       | \$ 7,997,027                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 3,284,343                                                                 | \$ 6,292,077           | \$ -            |  |
| PGE21061               | Technology Development Support                         | \$ 452,119                                     | \$ 391,364                                          | \$ 1,220,896                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (829,532)                                                                 | \$ 452,119             | \$ -            |  |
| PGE21062               | Technology Assessments                                 | \$ 3,073,632                                   | \$ 4,783,957                                        | \$ 3,214,618                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 1,569,339                                                                 | \$ 3,073,632           | \$ -            |  |
| PGE21063               | Technology Introduction Support                        | \$ 2,766,325                                   | \$ 6,106,050                                        | \$ 3,561,513                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 2,544,536                                                                 | \$ 2,766,325           | \$ -            |  |
| PGE2107                | Workforce Education & Training Programs Total          | \$ 12,561,342                                  | \$ 13,706,885                                       | \$ 10,853,110               | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 2,853,775                                                                 | \$ 12,561,342          | \$ (1,666,431)  |  |
| PGE21071               | Integrated Energy Education and Training               | \$ 9,721,801                                   | \$ 10,846,380                                       | \$ 7,934,272                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 2,912,108                                                                 | \$ 9,721,801           | \$ (823,631)    |  |
| PGE21072               | Connections                                            | \$ 2,150,604                                   | \$ 2,250,472                                        | \$ 2,094,267                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 156,205                                                                   | \$ 2,150,604           | \$ (608,292)    |  |
| PGE21073               | Strategic Planning                                     | \$ 688,937                                     | \$ 610,033                                          | \$ 824,571                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (214,539)                                                                 | \$ 688,937             | \$ (34,508)     |  |
| PGE21076               | Career and Workforce Readiness                         | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE2108                | Statewide DSM Coordination & Integration Program Total | \$ 714,617                                     | \$ 1,105,405                                        | \$ (16,299)                 | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 1,121,704                                                                 | \$ 714,617             | \$ -            |  |
| PGE21081               | Statewide DSM Coordination & Integration               | \$ 714,617                                     | \$ 1,105,405                                        | \$ (16,299)                 | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 1,121,704                                                                 | \$ 714,617             | \$ -            |  |
| PGE2109                | Financing Programs Total                               | \$ 5,568,714                                   | \$ 37,954,871                                       | \$ 8,205,515                | \$ -                                                       | \$ (14,048,074)                                             | \$ -                                     | \$ 8,396,816                                                 | \$ 3,254,387                               | \$ 4,050,079                                                                 | \$ 5,568,714           | \$ (810,824)    |  |
| PGE21091               | On-Bill Financing (excludes Loan Pool)                 | \$ 3,537,010                                   | \$ 3,913,046                                        | \$ 4,010,097                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (97,051)                                                                  | \$ 3,537,010           | \$ -            |  |
| PGE21092               | Third-Party Financing                                  | \$ 2,031,703                                   | \$ 5,538,183                                        | \$ 1,391,053                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 4,147,130                                                                 | \$ 2,031,703           | \$ (810,824)    |  |
| PGE21093               | New Financing Offerings [9]                            | \$ -                                           | \$ 28,503,642                                       | \$ 2,804,365                | \$ -                                                       | \$ (14,048,074)                                             | \$ -                                     | \$ 8,396,816                                                 | \$ 3,254,387                               | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE210911              | On Bill Financing Alternative Pathway                  | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |  |
|                        | Third-Party Programs (Competitively Bid) Total         | \$ 90,906,191                                  | \$ 99,373,101                                       | \$ 81,475,468               | \$ -                                                       | \$ -                                                        | \$ 30,322,790                            | \$ -                                                         | \$ -                                       | \$ (105,704)                                                                 | \$ 90,906,191          | \$ (16,092,119) |  |
| PGE2100                | Residential Third Party Programs SubTotal              | \$ 10,188,301                                  | \$ 9,282,160                                        | \$ 9,596,381                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ 30,322,790                                                | \$ -                                       | \$ (105,704)                                                                 | \$ 10,188,301          | \$ (1,945,117)  |  |
| PGE21007               | California New Homes Multifamily                       | \$ 3,801,408                                   | \$ 3,754,223                                        | \$ 2,289,801                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (208,517)                                                                 | \$ 3,801,408           | \$ (1,945,117)  |  |
| PGE21008               | Enhance Time Delay Relay                               | \$ 2,061,601                                   | \$ 1,674,330                                        | \$ 2,274,467                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (600,137)                                                                 | \$ 2,061,601           | \$ -            |  |
| PGE21009               | Direct Install for Manufactured and Mobile Homes       | \$ 4,325,292                                   | \$ 3,750,358                                        | \$ 5,018,394                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ (105,704)                               | \$ (1,162,332)                                                               | \$ 4,325,292           | \$ -            |  |
| PGE210132              | RSG The Smarter Water Heater                           | \$ -                                           | \$ 103,249                                          | \$ 13,719                   | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 89,531                                                                    | \$ -                   | \$ -            |  |
| PGE210011              | Residential Energy Fitness Program                     | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE2101                | Commercial Third Party Programs SubTotal               | \$ 51,591,182                                  | \$ 45,943,193                                       | \$ 36,508,743               | \$ -                                                       | \$ -                                                        | \$ 793,249                               | \$ -                                                         | \$ -                                       | \$ 9,434,450                                                                 | \$ 51,591,182          | \$ (14,147,002) |  |
| PGE210110              | Monitoring-Based Persistence Commissioning             | \$ -                                           | \$ (731,790)                                        | \$ (555)                    | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (731,236)                                                                 | \$ -                   | \$ -            |  |
| PGE210111              | LED Accelerator                                        | \$ 5,044,780                                   | \$ 1,788,544                                        | \$ 6,031,971                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (4,243,427)                                                               | \$ 5,044,780           | \$ -            |  |
| PGE210112              | School Energy Efficiency                               | \$ 3,421,431                                   | \$ 3,507,961                                        | \$ 3,653,297                | \$ -                                                       | \$ -                                                        | \$ 457,173                               | \$ -                                                         | \$ -                                       | \$ (145,336)                                                                 | \$ 3,421,431           | \$ -            |  |
| PGE210113              | Energy Fitness Program                                 | \$ 2,940,737                                   | \$ 3,698,416                                        | \$ 871,914                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 2,826,501                                                                 | \$ 2,940,737           | \$ (2,295,212)  |  |
| PGE210114              | Energy Savers                                          | \$ 1,329,057                                   | \$ 1,100,704                                        | \$ 336,521                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 764,183                                                                   | \$ 1,329,057           | \$ (1,019,905)  |  |
| PGE210115              | RightLights                                            | \$ 5,211,807                                   | \$ 5,185,416                                        | \$ 1,230,837                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 3,954,579                                                                 | \$ 5,211,807           | \$ (4,030,253)  |  |
| PGE210116              | Small Business Commercial Comprehensive                | \$ -                                           | \$ 2,997,504                                        | \$ (16,070)                 | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 3,013,574                                                                 | \$ -                   | \$ -            |  |
| PGE210117              | Energy-Efficient Parking Garage                        | \$ -                                           | \$ 552,404                                          | \$ (9,831)                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 562,235                                                                   | \$ -                   | \$ -            |  |
| PGE210118              | Retail Energy Efficiency                               | \$ 1,414,293                                   | \$ (439,517)                                        | \$ 2,169,000                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (2,608,517)                                                               | \$ 1,414,293           | \$ -            |  |
| PGE210119              | LED Accelerator                                        | \$ 2,458,594                                   | \$ (648,152)                                        | \$ 4,099,974                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ (4,748,125)                                                               | \$ 2,458,594           | \$ -            |  |
| PGE210120              | Monitoring-Based Commissioning                         | \$ -                                           | \$ 81,414                                           | \$ 48,111                   | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 33,303                                                                    | \$ -                   | \$ -            |  |
| PGE210122              | Casino Green                                           | \$ 1,564,647                                   | \$ 1,680,451                                        | \$ 949,805                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                         | \$ -                                       | \$ 730,646                                                                   | \$ 1,564,647           | \$ -            |  |
| PGE210123              | Healthcare Energy Efficiency Program                   | \$ 1,189,849                                   | \$ 1,274,107                                        | \$ 441,363                  | \$ -                                                       | \$ -                                                        | \$ 37,567                                | \$ -                                                         | \$ -                                       | \$ 832,744                                                                   | \$ 1,189,849           | \$ -            |  |

PA Name: Pacific Gas and Electric Company  
Budget Year: 2019

Table 4 – Budget, Spent, Unspent, Carryover Details

|                        |                                                              | 2013-2015 Budget, Spent, Unspent and Carryover |                                                     |                             |                                                            |                                                             |                                          |                                                          |                                            |                                                                              |                        |                 |  |
|------------------------|--------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------|-----------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------|----------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------|------------------------|-----------------|--|
| New/Existing Program # | Main Program Name / Sub-Program Name                         | 2015 Authorized Budget                         | 2015 Total Budget with Commitments & Fundshifts [1] | 2015 Total Budget Spent [2] | Requested Carry Over of Pre-2013 Unspent Funds to 2016 [3] | 2013-2015 Unspent/Uncommitted Funds Refunded or Transferred | 2013-2015 Commitments as of 12/31/15 [5] | 2013-2015 Unspent/Committed Funds, Carryover to 2017 [6] | 2013-2015 Cycle Expenditures Spent in 2016 | Pre-2016 Unspent/Uncommitted Funds Available for 2017 offset [E-F+H-J-K] [7] | 2016 Authorized Budget | 2016 Fundshifts |  |
| PGE210124              | Ozone Laundry Energy Efficiency                              | \$ -                                           | \$ 714,953                                          | \$ (2,216)                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 717,169                                                                   | \$ -                   | \$ -            |  |
| PGE210125              | California Preschool Energy Efficiency Program               | \$ -                                           | \$ 833,294                                          | \$ (2,506)                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 835,801                                                                   | \$ -                   | \$ -            |  |
| PGE210126              | K-12 Private Schools and Colleges Audit Retro                | \$ 1,844,726                                   | \$ 1,855,196                                        | \$ 1,079,552                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 575,644                                                                   | \$ 1,844,726           | \$ -            |  |
| PGE210127              | Innovative Designs for Energy Efficiency Approaches (IDEA)   | \$ 11,844,521                                  | \$ 2,744,592                                        | \$ 25,320                   |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 2,719,272                                                                 | \$ 11,844,521          | \$ (1,572,398)  |  |
| PGE210128              | Enovity SMART                                                | \$ -                                           | \$ 1,048,790                                        | \$ 1,644,827                |                                                            |                                                             | \$ 3,940                                 |                                                          |                                            | \$ (596,037)                                                                 | \$ -                   | \$ -            |  |
| PGE210129              | Nexant AERCx                                                 | \$ -                                           | \$ 1,590,139                                        | \$ 504,317                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 1,085,822                                                                 | \$ -                   | \$ -            |  |
| PGE210130              | CLEARresult AERCx                                            | \$ -                                           | \$ 1,112,781                                        | \$ 681,424                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 431,356                                                                   | \$ -                   | \$ -            |  |
| PGE210131              | PEGI AERCx                                                   | \$ -                                           | \$ 510,892                                          | \$ 483,003                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 27,889                                                                    | \$ -                   | \$ -            |  |
| PGE210136              | McKinstry Laboratory Fume Hoods                              | \$ -                                           | \$ 510,494                                          | \$ 603,373                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (92,879)                                                                  | \$ -                   | \$ -            |  |
| PGE210137              | Waypoint Commercial Outreach                                 | \$ -                                           | \$ 313,678                                          | \$ 864,820                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (551,142)                                                                 | \$ -                   | \$ -            |  |
| PGE210138              | Data Center Air Flow and Temp Optimization                   | \$ -                                           | \$ 278,436                                          | \$ 206,590                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 71,846                                                                    | \$ -                   | \$ -            |  |
| PGE210139              | SEI Energize Schools Program                                 | \$ -                                           | \$ (5,322)                                          | \$ 537,061                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (542,383)                                                                 | \$ -                   | \$ -            |  |
| PGE210140              | Mazzetti Dynamic Gas Scavenging System                       | \$ -                                           | \$ 177,533                                          | \$ 33,092                   |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 144,441                                                                   | \$ -                   | \$ -            |  |
| PGE210141              | Lucius Commercial Mid-Market Program                         | \$ -                                           | \$ 333,645                                          | \$ 835,586                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (501,941)                                                                 | \$ -                   | \$ -            |  |
| PGE210143              | Hospitality Program                                          | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ (2,049,313)  |  |
| PGE21016               | Air Care Plus                                                | \$ 3,784,067                                   | \$ 6,155,564                                        | \$ 2,312,688                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 3,842,877                                                                 | \$ 3,784,067           | \$ (3,179,921)  |  |
| PGE21017               | Boiler Energy Efficiency Program                             | \$ 2,086,213                                   | \$ 1,896,072                                        | \$ 916,103                  |                                                            |                                                             | \$ 294,569                               |                                                          |                                            | \$ 979,970                                                                   | \$ 2,086,213           | \$ -            |  |
| PGE21018               | EnergySmart Grocer                                           | \$ 7,456,460                                   | \$ 5,552,200                                        | \$ 5,896,030                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (348,822)                                                                 | \$ 7,456,460           | \$ -            |  |
| PGE21019               | Enhanced Automation Initiative                               | \$ -                                           | \$ 472,786                                          | \$ 83,344                   |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 389,442                                                                   | \$ -                   | \$ -            |  |
| PGE2103                | Agricultural Third Party Programs SubTotal                   | \$ 8,227,091                                   | \$ 10,018,743                                       | \$ 11,457,071               | \$ -                                                       | \$ -                                                        | \$ 2,118,541                             | \$ -                                                     | \$ -                                       | \$ (1,438,328)                                                               | \$ 8,227,091           | \$ -            |  |
| PGE210310              | Dairy Industry Resource Advantage Pgm                        | \$ 1,480,754                                   | \$ (209,110)                                        | \$ 2,298,717                |                                                            |                                                             | \$ 747,830                               |                                                          |                                            | \$ (2,507,828)                                                               | \$ 1,480,754           | \$ -            |  |
| PGE210311              | Process Wastewater Treatment EM Pgm for Ag Food Processing   | \$ 1,065,359                                   | \$ 963,909                                          | \$ 752,412                  |                                                            |                                                             | \$ 496,655                               |                                                          |                                            | \$ 211,497                                                                   | \$ 1,065,359           | \$ -            |  |
| PGE210312              | Dairy and Winery Industry Efficiency Solutions               | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE210313              | Staples Low Pressure Irrigation DI                           | \$ -                                           | \$ 1,155,851                                        | \$ 1,250,631                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (94,779)                                                                  | \$ -                   | \$ -            |  |
| PGE21035               | Dairy Energy Efficiency Program                              | \$ 472,638                                     | \$ 562,401                                          | \$ 467,690                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 94,710                                                                    | \$ 472,638             | \$ -            |  |
| PGE21036               | Industrial Refrigeration Performance Plus                    | \$ 1,419,916                                   | \$ 2,135,688                                        | \$ 992,145                  |                                                            |                                                             | \$ 399,735                               |                                                          |                                            | \$ 1,143,543                                                                 | \$ 1,419,916           | \$ -            |  |
| PGE21037               | Light Exchange Program                                       | \$ 1,046,700                                   | \$ 819,308                                          | \$ 578,448                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 240,859                                                                   | \$ 1,046,700           | \$ -            |  |
| PGE21038               | Wine Industry Efficiency Solutions                           | \$ 1,677,221                                   | \$ 2,486,505                                        | \$ 2,084,509                |                                                            |                                                             | \$ 474,322                               |                                                          |                                            | \$ 401,996                                                                   | \$ 1,677,221           | \$ -            |  |
| PGE21039               | Comprehensive Food Process Audit & Resource Efficiency Pgm   | \$ 1,064,504                                   | \$ 2,104,192                                        | \$ 3,032,519                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (928,327)                                                                 | \$ 1,064,504           | \$ -            |  |
| PGE2102                | Industrial Third Party Programs SubTotal                     | \$ 20,899,617                                  | \$ 34,351,982                                       | \$ 23,630,116               | \$ -                                                       | \$ -                                                        | \$ 27,411,000                            | \$ -                                                     | \$ -                                       | \$ 10,721,867                                                                | \$ 20,899,617          | \$ -            |  |
| PGE210210              | Industrial ReCommissioning Program                           | \$ 1,372,850                                   | \$ 3,071,471                                        | \$ 1,335,323                |                                                            |                                                             | \$ 1,373,997                             |                                                          |                                            | \$ 1,736,148                                                                 | \$ 1,372,850           | \$ -            |  |
| PGE210211              | Light Industrial Energy Efficiency                           | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE210212              | Industrial Compressed Air System Efficiency                  | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE210213              | Small Petrochemical Energy Efficiency                        | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |  |
| PGE21025               | California Wastewater Process Optimization                   | \$ 995,518                                     | \$ 1,238,167                                        | \$ 595,895                  |                                                            |                                                             | \$ 253,266                               |                                                          |                                            | \$ 642,472                                                                   | \$ 995,518             | \$ -            |  |
| PGE21026               | Energy Efficiency Services for Oil Production                | \$ 4,475,267                                   | \$ 6,259,122                                        | \$ 3,234,535                |                                                            |                                                             | \$ 2,273,622                             |                                                          |                                            | \$ 3,024,586                                                                 | \$ 4,475,267           | \$ -            |  |
| PGE21027               | Heavy Industry Energy Efficiency Program                     | \$ 11,067,518                                  | \$ 15,001,729                                       | \$ 13,037,517               |                                                            |                                                             | \$ 14,709,712                            |                                                          |                                            | \$ 1,964,212                                                                 | \$ 11,067,518          | \$ -            |  |
| PGE21028               | Industrial Compressed Air Program                            | \$ 1,678,196                                   | \$ 1,070,652                                        | \$ 376,427                  |                                                            |                                                             | \$ 201,081                               |                                                          |                                            | \$ 694,225                                                                   | \$ 1,678,196           | \$ -            |  |
| PGE21029               | Refinery Energy Efficiency Program                           | \$ 1,310,269                                   | \$ 6,414,950                                        | \$ 2,090,205                |                                                            |                                                             | \$ 8,589,944                             |                                                          |                                            | \$ 4,324,745                                                                 | \$ 1,310,269           | \$ -            |  |
| PGE210135              | Lucius WISE                                                  | \$ -                                           | \$ 583,483                                          | \$ 2,826,643                |                                                            |                                                             | \$ 9,577                                 |                                                          |                                            | \$ (2,245,159)                                                               | \$ -                   | \$ -            |  |
| PGE210142              | Ameresco Intelligent Energy Efficiency                       | \$ -                                           | \$ 712,408                                          | \$ 131,771                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 580,638                                                                   | \$ -                   | \$ -            |  |
| PGE2107                | Workforce Education & Training Third Party Programs SubTotal | \$ -                                           | \$ (222,977)                                        | \$ 283,158                  | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ (506,135)                                                                 | \$ -                   | \$ -            |  |
| PGE21074               | Builder Energy Code Training                                 | \$ -                                           | \$ (81,650)                                         | \$ 11,523                   |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (93,173)                                                                  | \$ -                   | \$ -            |  |
| PGE21075               | Green Building Technical Support Services                    | \$ -                                           | \$ (205,549)                                        | \$ 4,699                    |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (210,248)                                                                 | \$ -                   | \$ -            |  |
| PGE210134              | Bridges to Energy Sector Opportunities                       | \$ -                                           | \$ 64,221                                           | \$ 266,936                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (202,714)                                                                 | \$ -                   | \$ -            |  |
| PGE2110                | Government Partnership Programs Total                        | \$ 72,321,914                                  | \$ 78,908,455                                       | \$ 68,224,688               | \$ -                                                       | \$ -                                                        | \$ 9,189,905                             | \$ -                                                     | \$ -                                       | \$ 10,683,768                                                                | \$ 72,321,914          | \$ (3,296,953)  |  |
| PGE2110011             | California Community Colleges                                | \$ 3,495,392                                   | \$ 2,959,452                                        | \$ 2,450,565                |                                                            |                                                             | \$ 2,127,113                             |                                                          |                                            | \$ 508,887                                                                   | \$ 3,495,392           | \$ -            |  |
| PGE2110012             | University                                                   | \$ 11,801,373                                  | \$ 11,156,606                                       | \$ 5,666,056                |                                                            |                                                             | \$ 5,998,323                             |                                                          |                                            | \$ 5,490,550                                                                 | \$ 11,801,373          | \$ (3,296,953)  |  |
| PGE2110013             | State of California                                          | \$ 1,423,968                                   | \$ 4,447,501                                        | \$ 446,349                  |                                                            |                                                             | \$ 365,262                               |                                                          |                                            | \$ 4,001,152                                                                 | \$ 1,423,968           | \$ -            |  |
| PGE2110014             | Department of Corrections and Rehabilitation                 | \$ 3,199,909                                   | \$ 4,309,041                                        | \$ 357,993                  |                                                            |                                                             | \$ 510,033                               |                                                          |                                            | \$ 3,951,048                                                                 | \$ 3,199,909           | \$ -            |  |
| PGE2110051             | Local Government Energy Action Resources (LGEAR)             | \$ 5,500,535                                   | \$ 5,079,566                                        | \$ 10,810,840               |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (5,731,275)                                                               | \$ 5,500,535           | \$ -            |  |
| PGE2110052             | Strategic Energy Resources                                   | \$ 2,764,003                                   | \$ (6,527,308)                                      | \$ 7,508,767                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (14,036,074)                                                              | \$ 2,764,003           | \$ -            |  |
| PGE211007              | Association of Monterey Bay Area Governments (AMBAG)         | \$ 3,581,301                                   | \$ 3,173,251                                        | \$ 4,213,849                |                                                            |                                                             | \$ 103,697                               |                                                          |                                            | \$ (1,040,598)                                                               | \$ 3,581,301           | \$ -            |  |
| PGE211009              | East Bay                                                     | \$ 9,262,008                                   | \$ 11,273,322                                       | \$ 6,720,458                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 4,552,865                                                                 | \$ 9,262,008           | \$ -            |  |
| PGE211010              | Fresno                                                       | \$ 3,846,492                                   | \$ 7,730,350                                        | \$ 3,130,833                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 4,599,517                                                                 | \$ 3,846,492           | \$ -            |  |
| PGE211011              | Kern                                                         | \$ 3,194,412                                   | \$ 4,669,107                                        | \$ 2,811,185                |                                                            |                                                             | \$ 8,692                                 |                                                          |                                            | \$ 1,857,922                                                                 | \$ 3,194,412           | \$ -            |  |
| PGE211012              | Madera                                                       | \$ 445,314                                     | \$ 851,041                                          | \$ 436,007                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 415,034                                                                   | \$ 445,314             | \$ -            |  |
| PGE211013              | Marin County                                                 | \$ 1,334,743                                   | \$ 1,784,706                                        | \$ 1,179,302                |                                                            |                                                             | \$ 11,000                                |                                                          |                                            | \$ 605,404                                                                   | \$ 1,334,743           | \$ -            |  |
| PGE211014              | Mendocino/Lake County                                        | \$ 322,506                                     | \$ 295,006                                          | \$ 626,591                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (331,586)                                                                 | \$ 322,506             | \$ -            |  |
| PGE211015              | Napa County                                                  | \$ 549,632                                     | \$ 376,214                                          | \$ 519,326                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (143,312)                                                                 | \$ 549,632             | \$ -            |  |
| PGE211016              | Redwood Coast                                                | \$ 1,558,910                                   | \$ 2,057,613                                        | \$ 1,474,416                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 583,197                                                                   | \$ 1,558,910           | \$ -            |  |
| PGE211018              | San Luis Obispo County                                       | \$ 936,840                                     | \$ 279,466                                          | \$ 878,220                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ (598,754)                                                                 | \$ 936,840             | \$ -            |  |
| PGE211019              | San Mateo County                                             | \$ 1,744,567                                   | \$ 950,687                                          | \$ 2,625,108                |                                                            |                                                             | \$ 52,748                                |                                                          |                                            | \$ (1,674,422)                                                               | \$ 1,744,567           | \$ -            |  |
| PGE211020              | Santa Barbara                                                | \$ 1,184,837                                   | \$ 1,368,579                                        | \$ 966,840                  |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 401,739                                                                   | \$ 1,184,837           | \$ -            |  |
| PGE211021              | Sierra Nevada                                                | \$ 2,560,460                                   | \$ 2,643,277                                        | \$ 1,954,601                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 688,676                                                                   | \$ 2,560,460           | \$ -            |  |
| PGE211022              | Sonoma County                                                | \$ 1,709,718                                   | \$ 2,364,100                                        | \$ 2,226,417                |                                                            |                                                             | \$ 9,885                                 |                                                          |                                            | \$ 137,683                                                                   | \$ 1,709,718           | \$ -            |  |
| PGE211023              | Silicon Valley                                               | \$ 4,074,436                                   | \$ 5,306,242                                        | \$ 4,609,175                |                                                            |                                                             | \$ 3,151                                 |                                                          |                                            | \$ 697,068                                                                   | \$ 4,074,436           | \$ -            |  |

PA Name: Pacific Gas and Electric Company  
Budget Year: 2019

Table 4 – Budget, Spent, Unspent, Carryover Details

|                        |                                                                                     | 2013-2015 Budget, Spent, Unspent and Carryover |                                                     |                             |                                                            |                                                             |                                          |                                                          |                                            |                                                                              |                        |                 |
|------------------------|-------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------|-----------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------|----------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------|------------------------|-----------------|
| New/Existing Program # | Main Program Name / Sub-Program Name                                                | 2015 Authorized Budget                         | 2015 Total Budget with Commitments & Fundshifts [1] | 2015 Total Budget Spent [2] | Requested Carry Over of Pre-2013 Unspent Funds to 2016 [3] | 2013-2015 Unspent/Uncommitted Funds Refunded or Transferred | 2013-2015 Commitments as of 12/31/15 [5] | 2013-2015 Unspent/Committed Funds, Carryover to 2017 [6] | 2013-2015 Cycle Expenditures Spent in 2016 | Pre-2016 Unspent/Uncommitted Funds Available for 2017 offset [E-F+H-J-K] [7] | 2016 Authorized Budget | 2016 Fundshifts |
| PGE211024              | San Francisco                                                                       | \$ 7,832,558                                   | \$ 12,360,636                                       | \$ 6,611,788                |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ 5,748,848                                                                 | \$ 7,832,558           | \$ -            |
| PGE211026              | North Valley                                                                        | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |
| PGE211027              | Sutter Buttes                                                                       | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |
| PGE211028              | Yolo                                                                                | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |
| PGE211029              | Solano                                                                              | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |
| PGE211030              | Northern San Joaquin Valley                                                         | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |
| PGE211031              | Valley Innovative Energy Watch (VIEW)                                               | \$ -                                           | \$ -                                                | \$ -                        |                                                            |                                                             | \$ -                                     |                                                          |                                            | \$ -                                                                         | \$ -                   | \$ -            |
|                        | Funds to be returned in rates [4]                                                   | \$ -                                           | \$ -                                                | \$ -                        |                                                            | \$ (43,024,402)                                             | \$ -                                     |                                                          |                                            | \$ (43,024,402)                                                              | \$ -                   | \$ -            |
|                        | 2013-2015 funds transferred to REN and CCA balancing accounts for 2016 [6]          | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ 4,066,080                                             | \$ -                                       | \$ (4,066,080)                                                               | \$ -                   | \$ (4,066,080)  |
|                        | Pre-2013 Unspent Funds transferred to 2016 Commercial Deemed Incentives program [3] |                                                |                                                     |                             | \$ 9,900,000                                               |                                                             |                                          |                                                          |                                            | \$ -                                                                         |                        | \$ (9,900,000)  |
|                        | PG&E PROGRAM TOTAL                                                                  | \$ 388,848,756                                 | \$ 473,947,429                                      | \$ 401,310,184              | \$ 22,458,035                                              | \$ (57,072,476)                                             | \$ 95,670,275                            | \$ 12,462,896                                            | \$ 3,026,388                               | \$ 75,485                                                                    | \$ 388,848,756         | \$ (4,066,080)  |
| EM&V                   | EM&V (PA & CPUC Portions) Total                                                     | \$ 17,204,418                                  | \$ 43,427,745                                       | \$ 14,196,403               | \$ 2,281,982                                               | \$ -                                                        | \$ 29,231,342                            | \$ 18,873,781                                            | \$ 9,360,310                               | \$ 997,251                                                                   | \$ 17,204,418          | \$ -            |
| PGE_EMV                | PG&E EM&V - CPUC                                                                    | \$ 12,200,968                                  | \$ 33,361,125                                       | \$ 10,473,870               | \$ 880,380                                                 | \$ -                                                        | \$ 22,887,233                            | \$ 16,149,179                                            | \$ 6,738,076                               | \$ -                                                                         | \$ 12,200,968          | \$ -            |
| PGE_EMV                | PG&E EM&V - PG&E                                                                    | \$ 5,003,450                                   | \$ 10,066,620                                       | \$ 3,722,532                | \$ 1,381,602                                               | \$ -                                                        | \$ 6,344,110                             | \$ 2,724,603                                             | \$ 2,622,234                               | \$ 997,251                                                                   | \$ 5,003,450           | \$ -            |
| PGE_EMV                | BayREN EM&V - CPUC                                                                  | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |
| PGE_EMV                | BayREN EM&V                                                                         | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |
| PGE_EMV                | MCE EM&V - CPUC                                                                     | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |
| PGE_EMV                | MCE EM&V                                                                            | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |
| PGE_EMV                | 3C REN EM&V - CPUC                                                                  | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |
| PGE_EMV                | 3C REN EM&V                                                                         | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |
|                        | PG&E TOTAL with EM&V                                                                | \$ 406,053,174                                 | \$ 517,375,174                                      | \$ 415,506,587              | \$ 24,720,017                                              | \$ (57,072,476)                                             | \$ 124,901,618                           | \$ 31,336,678                                            | \$ 12,386,697                              | \$ 1,072,736                                                                 | \$ 406,053,174         | \$ (4,066,080)  |
| PGE_BayREN             | BayREN [10]                                                                         | \$ 12,837,000                                  | \$ 18,163,894                                       | \$ 14,403,008               | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ 3,760,885                                             | \$ -                                       | \$ -                                                                         | \$ 12,837,000          | \$ 3,700,000    |
| PGE_MCE                | Marin Clean Energy [10]                                                             | \$ 1,220,267                                   | \$ 1,420,267                                        | \$ 124,539                  | \$ -                                                       | \$ (1,082,708)                                              | \$ -                                     | \$ 36,182                                                | \$ -                                       | \$ (81,441)                                                                  | \$ 1,220,267           | \$ 366,080      |
| PGE_3C REN             | 3C REN [10]                                                                         | \$ -                                           | \$ -                                                | \$ -                        | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |
|                        | TOTAL PG&E EE EXPENSE PORTFOLIO                                                     | \$ 420,110,441                                 | \$ 536,959,334                                      | \$ 430,034,134              | \$ 24,720,017                                              | \$ (58,155,184)                                             | \$ 124,901,618                           | \$ 35,133,745                                            | \$ 12,386,697                              | \$ 991,295                                                                   | \$ 420,110,441         | \$ -            |
| PGE21091LP             | OBFF REVOLVING LOAN POOL                                                            | \$ 10,000,000                                  | \$ 32,528,389                                       | \$ 6,532,126                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ 15,682,517                                            | \$ -                                       | \$ -                                                                         | \$ 10,000,000          | \$ -            |
|                        | TOTAL PG&E EE PORTFOLIO                                                             | \$ 430,110,441                                 | \$ 569,487,724                                      | \$ 436,566,260              | \$ 24,720,017                                              | \$ (58,155,184)                                             | \$ 124,901,618                           | \$ 50,816,262                                            | \$ 12,386,697                              | \$ 991,295                                                                   | \$ 430,110,441         | \$ -            |
|                        | Other EE-Related Budgets                                                            |                                                |                                                     |                             |                                                            |                                                             |                                          |                                                          |                                            |                                                                              |                        |                 |
| PGE_SWMEO              | Statewide Marketing, Education and Outreach Program Total                           | \$ 7,655,061                                   | \$ 6,090,704                                        | \$ 7,620,318                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ 8,445,775           | \$ -            |
| PGE_SWMEO              | Statewide Marketing, Education and Outreach Program (Flex Alert) [11]               | \$ 1,590,250                                   | \$ 909,877                                          | \$ 1,591,046                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ -                   | \$ -            |
| PGE_SWMEO              | Statewide Marketing, Education and Outreach Program [11]                            | \$ 6,064,811                                   | \$ 5,180,827                                        | \$ 6,029,272                | \$ -                                                       | \$ -                                                        | \$ -                                     | \$ -                                                     | \$ -                                       | \$ -                                                                         | \$ 8,445,775           | \$ -            |

Notes:

- "2015 Total Budget with Commitments & Fundshifts" reflects funds available for 2015, from the authorized 2013-2015 Budget, less the spending in 2013 - 2014 from the 2013 - 2015 Budget.
- "2015 Total Budget Spent" includes spending in 2015 paid from the 2013 - 2015 Budget.
- "Requested Carry Over of pre-2013 Unspent Funds to 2016" identifies the funds PG&E is requesting to carry over to 2016 in supplemental Advice 3752-G-B/4905-E-B, which was approved on November 2, 2016. In addition to the amounts identified at the subprogram level in column G, PG&E was approved authorization to shift \$9.9m of pre-2013 unspent funds into the Commercial Deemed Incentive program 2016 budget.
- The CPUC approved AL 3718-G/4852-E on July 11, 2016, authorizing PG&E to return a total of \$43,024,401.85 in unspent, uncommitted energy efficiency funds from its 2013-2015 program cycle to its customers; PG&E implemented this through a one-time adjustment to its gas and electric EE balancing accounts.
- Commitments as of 12/31/2015 (column I), 12/31/2016 (column R), and 12/31/2017 (column Y) includes incentive Commitments as of the end of the year indicated. Contractual encumbrances are not reflected. BayREN and MCE Carry Over figures represent the level of funds in PG&E's balancing accounts; this may include BayREN expenses or MCE gas expenses not yet invoiced to or accrued by PG&E as of the year indicated; the remainder is the amount potentially available for carry over; these may not match MCE or BayREN submissions.
- 2013-2015 Unspent/Committed Funds, Carryover to 2016" identifies unspent, committed funds that are carried over into 2016 and augment the 2016 budget, in accordance with D.12-11-015, as follows:  
  
New Financing Offerings: In D. 15-06-008, the Commission ordered that PG&E operate for a minimum of 24 months from the point at which each pilot program enrolls its first loan. The Pilots have begun enrolling loans in 2016 indicating that the pilots will run until at least 2018. New financing pilot subprogram funds collected during 2013-2014 period are being carried over to continue to operate during this compliance period.  
Funds Transferred to REN and CCA balancing accounts: In D.16-05-004 (petition to modify D.14-10-046), effective May 12, 2016, the Commission authorized for Marin Clean Energy (MCE) an annual budget increase of \$366,080 for the duration of the ten-year rolling portfolio cycle unless and until modified by the Commission. The CPUC approved AL 3718-G/4852-E on July 11, 2016, authorizing PG&E to use unspent 2013-2015 unspent funds to fund the increase in MCE's 2016 budget. Advice Letter 3704-G/4826-E, effective April 29, 2016, authorized for BayREN a one-time budget increase of \$3,700,000 transferred from unspent 2013-2015 cycle EE funds to the 2016 cycle.  
  
Marin Clean Energy: MCE's 2015 authorized gas budget included \$419,000. The Commission authorized a gas budget of \$219,000 in D.14-10-046 and augmented the gas budget by \$200,000 per PG&E Advice 3642-G/4720-E, filed 10/15/2015, approved 10/28/2015. After \$382,818 of gas payments from PG&E to MCE, \$36,182 is available for carryover to 2016.
- "Pre-2016 unspent/uncommitted funds available for 2017 offset" identifies 2013-2015 cycle unspent funds at the program level. The balancing account transfer for \$43 million of funds refunded to customers based on Advice Letter 3718-G/4852-E is identified on Row 154. Unspent funds from 2009 and 2010-2012 are represented in Column G. In 2017 PG&E recorded a one-time electric EE balancing account adjustment of \$230,474 crediting customer rates for unspent 2015-2016 Marin Clean Energy Electric funds. In the 2018 ABAL, it had been pointed out that the \$230,474, a refund should have occurred in the amount of \$311,915 from the 2016 cycle, while an increase of \$81,441 should have been applied to the 2013-2015 cycle.
- "2019 Proposed Budget" reflects the budget request for 2019, which differs from the collections requested through this advice letter of approximately \$408.8 million.
- Advice Letter 3589-G-C/4624-E-C, approved June 29, 2015, effective June 25, 2015 established the Energy Efficiency Financing Balancing Account (EEFBA), and the Credit Enhancement Balance Account (CEBA) and the On-Bill Financing Balancing Account (OBFFA) subaccounts. The \$14 million referenced in cell H57 was transferred to the CEBA subaccount.
- BayREN, MCE and 3C-REN figures generally represent the level of funds in PG&E's balancing accounts and may not match MCE or BayREN submissions.
- effectiveness calculations.
- The "2018 Authorized Budget" in Table 4 represents PG&E's 2018 CEDARS filing budget at the subprogram level detail, and BayREN and MCE's approved budgets per the Business Plan Decision D.18-05-041. This budget is lower than PG&E's 2018 portfolio budget of \$416,713,780, also approved in D.18-05-041. Subprogram level detail is unavailable in the approved Business Plan budget.
- 2019 BayREN and MCE budgets are the authorized amounts from the Business Plan decision D.18-05-041, with their EM&V budgets increased to be 4% of their total budget.
- 2019 3C-REN budget is the proposed contribution for PG&E as circulated by 3C-REN on August 28, 2018, which includes 4% EM&V.

PA Name: Pacific Gas and Electric Company  
Budget Year: 2019

Table 4 – Budget, Spent, Unspent, Carryover Details

| 2016 Budget, Spent, Unspent and Carryover |                                                        |                                                           |                                 |                                                       |                                     |                                                          | 2017 Budget, Fundshifts and Spending to Date |                 |                   |                                       |                                                       |                                     |                                                          |                             |
|-------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------|---------------------------------|-------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------|-----------------|-------------------|---------------------------------------|-------------------------------------------------------|-------------------------------------|----------------------------------------------------------|-----------------------------|
| New/Existing Program #                    | Main Program Name / Sub-Program Name                   | 2016 Total Budget with Commitments & Fundshifts (G+J+M+N) | 2016 Expenditures Spent in 2016 | 2016 Unspent/Uncommitted Funds Returned to Ratepayers | 2016 Commitments as of 12/31/16 [5] | 2016 Unspent/Uncommitted Funds Available for 2018 offset | 2017 Authorized Budget                       | 2017 Fundshifts | 2017 Total Budget | 2017 Cycle Expenditures Spent in 2017 | 2016 Unspent/Uncommitted Funds Returned to Ratepayers | 2017 Commitments as of 12/31/17 [5] | 2017 Unspent/Uncommitted Funds Available for 2018 offset | 2018 Authorized Budget [12] |
| PGE2100                                   | Residential Energy Efficiency Programs Total           | \$ 77,606,242                                             | \$ 77,606,242                   | \$ -                                                  | \$ 10,622,188                       | \$ -                                                     | \$ 62,652,625                                | -               | \$ 62,652,625     | \$ 52,797,764                         | \$ -                                                  | \$ 275,011                          | \$ -                                                     | \$ 55,622,926               |
| PGE21001                                  | Residential Energy Advisor                             | \$ 16,031,293                                             | \$ 17,534,364                   | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 16,998,320                                | -               | \$ 16,998,320     | \$ 13,355,709                         | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 14,892,263               |
| PGE21002                                  | Plug Load and Appliances                               | \$ 18,990,738                                             | \$ 13,641,352                   | \$ -                                                  | \$ 303                              | \$ -                                                     | \$ 12,175,962                                | -               | \$ 12,175,962     | \$ 11,396,952                         | \$ -                                                  | \$ 176,200                          | \$ -                                                     | \$ 10,600,377               |
| PGE21003                                  | Multifamily Energy Efficiency                          | \$ 1,839,507                                              | \$ 675,488                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 677,058                                   | -               | \$ 677,058        | \$ 126,806                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 6,779,725                |
| PGE21004                                  | Energy Upgrade California                              | \$ 22,257,546                                             | \$ 24,947,402                   | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 14,514,755                                | -               | \$ 14,514,755     | \$ 17,690,082                         | \$ -                                                  | \$ 53,440                           | \$ -                                                     | \$ 10,707,759               |
| PGE21005                                  | Residential New Construction                           | \$ 8,458,299                                              | \$ 7,179,186                    | \$ -                                                  | \$ 10,621,885                       | \$ -                                                     | \$ 5,947,372                                 | -               | \$ 5,947,372      | \$ 6,721,490                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 6,770,695                |
| PGE21006                                  | Residential HVAC                                       | \$ 10,028,860                                             | \$ 13,628,451                   | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 9,515,664                                 | -               | \$ 9,515,664      | \$ 3,160,623                          | \$ -                                                  | \$ 45,371                           | \$ -                                                     | \$ 5,316,362                |
| PGE21007                                  | Pay for Performance Pilot                              | \$ -                                                      | \$ -                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 2,823,395                                 | -               | \$ 2,823,395      | \$ 346,104                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 733,725                  |
| PGE2101                                   | Commercial Programs Total                              | \$ 106,973,507                                            | \$ 99,034,373                   | \$ -                                                  | \$ 13,647,258                       | \$ -                                                     | \$ 70,945,809                                | -               | \$ 70,945,809     | \$ 57,892,760                         | \$ -                                                  | \$ 12,350,081                       | \$ -                                                     | \$ 84,732,629               |
| PGE21011                                  | Commercial Calculated Incentives                       | \$ 31,815,093                                             | \$ 19,123,362                   | \$ -                                                  | \$ 9,584,741                        | \$ -                                                     | \$ 22,085,875                                | -               | \$ 22,085,875     | \$ 12,720,207                         | \$ -                                                  | \$ 6,729,118                        | \$ -                                                     | \$ 23,262,758               |
| PGE21025                                  | Savings by Design (SBD)                                | \$ 10,637,119                                             | \$ 6,734,513                    | \$ -                                                  | \$ 3,107,426                        | \$ -                                                     | \$ 6,136,870                                 | -               | \$ 6,136,870      | \$ 4,727,014                          | \$ -                                                  | \$ 3,997,568                        | \$ -                                                     | \$ 9,111,221                |
| PGE21012                                  | Commercial Deemed Incentives                           | \$ 39,772,890                                             | \$ 54,790,353                   | \$ -                                                  | \$ 955,090                          | \$ -                                                     | \$ 20,590,599                                | -               | \$ 20,590,599     | \$ 23,189,689                         | \$ -                                                  | \$ 1,335,834                        | \$ -                                                     | \$ 19,367,904               |
| PGE21013                                  | Commercial Continuous Energy Improvement               | \$ 491,754                                                | \$ 988,777                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,361,810                                 | -               | \$ 1,361,810      | \$ 398,924                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 240,150                  |
| PGE21014                                  | Commercial Energy Advisor                              | \$ 5,979,427                                              | \$ 4,459,100                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 4,645,605                                 | -               | \$ 4,645,605      | \$ 1,783,055                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 2,123,638                |
| PGE21015                                  | Commercial HVAC                                        | \$ 16,277,223                                             | \$ 12,938,268                   | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 16,125,050                                | -               | \$ 16,125,050     | \$ 15,073,871                         | \$ -                                                  | \$ 287,561                          | \$ -                                                     | \$ 10,628,958               |
| PGE2103                                   | Agricultural Programs Total                            | \$ 16,223,008                                             | \$ 18,262,460                   | \$ -                                                  | \$ 2,927,707                        | \$ -                                                     | \$ 15,416,439                                | -               | \$ 15,416,439     | \$ 13,475,189                         | \$ -                                                  | \$ 2,450,731                        | \$ -                                                     | \$ 17,236,326               |
| PGE21031                                  | Agricultural Calculated Incentives                     | \$ 10,240,375                                             | \$ 5,747,440                    | \$ -                                                  | \$ 2,852,046                        | \$ -                                                     | \$ 5,354,644                                 | -               | \$ 5,354,644      | \$ 3,359,468                          | \$ -                                                  | \$ 2,375,927                        | \$ -                                                     | \$ 9,155,062                |
| PGE21032                                  | Agricultural Deemed Incentives                         | \$ 3,815,997                                              | \$ 8,068,249                    | \$ -                                                  | \$ 75,661                           | \$ -                                                     | \$ 5,677,746                                 | -               | \$ 5,677,746      | \$ 7,337,881                          | \$ -                                                  | \$ 73,664                           | \$ -                                                     | \$ 4,758,784                |
| PGE21033                                  | Agricultural Continuous Energy Improvement             | \$ 506,988                                                | \$ 197,629                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 226,700                                   | -               | \$ 226,700        | \$ 70,219                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 67,740                   |
| PGE21034                                  | Agricultural Energy Advisor                            | \$ 4,259,648                                              | \$ 4,249,142                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 4,127,350                                 | -               | \$ 4,127,350      | \$ 2,705,623                          | \$ -                                                  | \$ 1,140                            | \$ -                                                     | \$ 3,256,739                |
| PGE2102                                   | Industrial Programs Total                              | \$ 12,938,780                                             | \$ 11,052,656                   | \$ -                                                  | \$ 12,939,997                       | \$ -                                                     | \$ 13,060,791                                | \$ -            | \$ 13,060,791     | \$ 10,692,100                         | \$ -                                                  | \$ 2,297,869                        | \$ -                                                     | \$ 16,155,388               |
| PGE21021                                  | Industrial Calculated Incentives                       | \$ 9,712,285                                              | \$ 6,422,285                    | \$ -                                                  | \$ 12,850,024                       | \$ -                                                     | \$ 8,899,910                                 | -               | \$ 8,899,910      | \$ 8,670,968                          | \$ -                                                  | \$ 2,229,456                        | \$ -                                                     | \$ 12,115,800               |
| PGE21022                                  | Industrial Deemed Incentives                           | \$ 794,316                                                | \$ 2,962,574                    | \$ -                                                  | \$ 89,973                           | \$ -                                                     | \$ 2,141,873                                 | -               | \$ 2,141,873      | \$ 1,475,622                          | \$ -                                                  | \$ 68,413                           | \$ -                                                     | \$ 4,157,505                |
| PGE21023                                  | Industrial Continuous Energy Improvement               | \$ 226,407                                                | \$ 393,031                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 135,460                                   | -               | \$ 135,460        | \$ 82,159                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 67,233                   |
| PGE21024                                  | Industrial Energy Advisor                              | \$ 2,205,773                                              | \$ 1,254,766                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,511,322                                 | -               | \$ 1,511,322      | \$ 305,034                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 597,692                  |
| PGE21030                                  | Industrial Strategic Energy Management                 | \$ -                                                      | \$ -                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 372,206                                   | -               | \$ 372,206        | \$ 158,316                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,217,158                |
| PGE2104                                   | Lighting Programs Total                                | \$ 12,851,559                                             | \$ 12,732,856                   | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 12,082,245                                | -               | \$ 12,082,245     | \$ 11,746,184                         | \$ -                                                  | \$ 58,461                           | \$ -                                                     | \$ 11,131,076               |
| PGE21041                                  | Primary Lighting                                       | \$ 11,188,130                                             | \$ 11,879,081                   | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 10,970,646                                | -               | \$ 10,970,646     | \$ 11,245,149                         | \$ -                                                  | \$ 58,461                           | \$ -                                                     | \$ 10,711,690               |
| PGE21042                                  | Lighting Innovation                                    | \$ 992,692                                                | \$ 669,673                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 734,898                                   | -               | \$ 734,898        | \$ 387,383                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 357,652                  |
| PGE21043                                  | Lighting Market Transformation                         | \$ 670,738                                                | \$ 184,102                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 376,702                                   | -               | \$ 376,702        | \$ 113,652                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 61,733                   |
| PGE2105                                   | Codes & Standards Programs Total                       | \$ 15,615,169                                             | \$ 15,615,169                   | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 17,113,967                                | -               | \$ 17,113,967     | \$ 16,216,903                         | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 16,183,839               |
| PGE21051                                  | Building Codes Advocacy                                | \$ 4,492,917                                              | \$ 4,497,284                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 4,297,883                                 | -               | \$ 4,297,883      | \$ 4,226,335                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 4,331,105                |
| PGE21052                                  | Appliance Standards Advocacy                           | \$ 4,687,282                                              | \$ 5,650,393                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 6,076,435                                 | -               | \$ 6,076,435      | \$ 4,698,784                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 4,774,497                |
| PGE21053                                  | Compliance Improvement                                 | \$ 3,870,071                                              | \$ 4,182,764                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 4,347,595                                 | -               | \$ 4,347,595      | \$ 4,652,165                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 4,044,129                |
| PGE21054                                  | Reach Codes                                            | \$ 1,429,957                                              | \$ 597,935                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 526,723                                   | -               | \$ 526,723        | \$ 518,145                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 604,747                  |
| PGE21055                                  | Planning and Coordination                              | \$ 1,144,942                                              | \$ 531,663                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 504,030                                   | -               | \$ 504,030        | \$ 481,879                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 650,922                  |
| PGE21056                                  | Code Readiness                                         | \$ -                                                      | \$ 565,130                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,361,301                                 | -               | \$ 1,361,301      | \$ 1,636,495                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,778,436                |
| PGE21057                                  | National Codes & Standards Advocacy                    | \$ -                                                      | \$ -                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE2106                                   | Emerging Technologies Programs Total                   | \$ 6,292,077                                              | \$ 5,821,061                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 7,930,755                                 | -               | \$ 7,930,755      | \$ 4,193,096                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 5,629,976                |
| PGE21061                                  | Technology Development Support                         | \$ 452,119                                                | \$ 747,076                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,416,327                                 | -               | \$ 1,416,327      | \$ 782,379                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 942,595                  |
| PGE21062                                  | Technology Assessments                                 | \$ 3,073,632                                              | \$ 1,815,758                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 2,544,857                                 | -               | \$ 2,544,857      | \$ 1,294,627                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,929,215                |
| PGE21063                                  | Technology Introduction Support                        | \$ 2,766,325                                              | \$ 3,257,824                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 3,969,371                                 | -               | \$ 3,969,371      | \$ 2,116,091                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 2,758,363                |
| PGE2107                                   | Workforce Education & Training Programs Total          | \$ 10,894,911                                             | \$ 10,166,215                   | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 10,682,374                                | -               | \$ 10,682,374     | \$ 10,065,520                         | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 11,038,180               |
| PGE21071                                  | Integrated Energy Education and Training               | \$ 8,898,170                                              | \$ 7,896,227                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 8,733,939                                 | -               | \$ 8,733,939      | \$ 7,928,260                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 8,564,820                |
| PGE21072                                  | Connections                                            | \$ 1,342,312                                              | \$ 1,755,612                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,328,476                                 | -               | \$ 1,328,476      | \$ 1,725,513                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,900,879                |
| PGE21073                                  | Strategic Planning                                     | \$ 654,429                                                | \$ 514,375                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 619,959                                   | -               | \$ 619,959        | \$ 411,746                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 572,481                  |
| PGE21076                                  | Career and Workforce Readiness                         | \$ -                                                      | \$ -                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE2108                                   | Statewide DSM Coordination & Integration Program Total | \$ 714,617                                                | \$ 450,154                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 547,921                                   | -               | \$ 547,921        | \$ 135,577                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 547,921                  |
| PGE21081                                  | Statewide DSM Coordination & Integration               | \$ 714,617                                                | \$ 450,154                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 547,921                                   | -               | \$ 547,921        | \$ 135,577                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 547,921                  |
| PGE2109                                   | Financing Programs Total                               | \$ 13,154,706                                             | \$ 3,957,816                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 4,600,866                                 | -               | \$ 4,600,866      | \$ 3,251,837                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 4,158,662                |
| PGE21091                                  | On-Bill Financing (excludes Loan Pool)                 | \$ 3,537,010                                              | \$ 3,115,051                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,939,167                                 | -               | \$ 1,939,167      | \$ 2,639,847                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 3,141,013                |
| PGE21092                                  | Third-Party Financing                                  | \$ 1,220,879                                              | \$ 842,764                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 942,678                                   | -               | \$ 942,678        | \$ 550,872                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 660,195                  |
| PGE21093                                  | New Financing Offerings [9]                            | \$ 8,396,816                                              | \$ -                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 934,746                                   | -               | \$ 934,746        | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210911                                 | On Bill Financing Alternative Pathway                  | \$ -                                                      | \$ -                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 784,275                                   | -               | \$ 784,275        | \$ 61,118                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 357,454                  |
| PGE210912                                 | Third-Party Programs (Competitively Bid) Total         | \$ 74,814,071                                             | \$ 58,186,155                   | \$ -                                                  | \$ 2,620,229                        | \$ -                                                     | \$ 86,532,089                                | -               | \$ 86,532,089     | \$ 58,282,454                         | \$ -                                                  | \$ 21,209,506                       | \$ -                                                     | \$ 75,653,627               |
| PGE2100                                   | Residential Third Party Programs Sub Total             | \$ 8,243,184                                              | \$ 8,768,360                    | \$ -                                                  | \$ 10,343                           | \$ -                                                     | \$ 9,667,015                                 | -               | \$ 9,667,015      | \$ 11,357,494                         | \$ -                                                  | \$ 32,784                           | \$ -                                                     | \$ 13,319,768               |
| PGE21007                                  | California New Homes Multifamily                       | \$ 1,856,291                                              | \$ 1,772,777                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,828,344                                 | -               | \$ 1,828,344      | \$ 1,772,592                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,460,826                |
| PGE21008                                  | Enhance Time Delay Relay                               | \$ 2,061,601                                              | \$ 2,676,931                    | \$ -                                                  | \$ 10,343                           | \$ -                                                     | \$ 2,902,239                                 | -               | \$ 2,902,239      | \$ 3,058,715                          | \$ -                                                  | \$ 4,475                            | \$ -                                                     | \$ 1,536,619                |
| PGE21009                                  | Direct Install for Manufactured and Mobile Homes       | \$ 4,325,292                                              | \$ 3,743,310                    | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 3,743,632                                 | -               | \$ 3,743,632      | \$ 4,051,759                          | \$ -                                                  | \$ 3,371                            | \$ -                                                     | \$ 5,242,617                |
| PGE210132                                 | RS&G The Smarter Water Heater                          | \$ -                                                      | \$ -                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210011                                 | Residential Energy Fitness Program                     | \$ -                                                      | \$ 575,343                      | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,192,800                                 | -               | \$ 1,192,800      | \$ 2,969,428                          | \$ -                                                  | \$ 24,938                           | \$ -                                                     | \$ 5,079,706                |
| PGE210110                                 | Commercial Third Party Programs Sub Total              | \$ 37,444,179                                             | \$ 27,279,393                   | \$ -                                                  | \$ 1,784,984                        | \$ -                                                     | \$ 31,191,606                                | -               | \$ 31,191,606     | \$ 25,347,402                         | \$ -                                                  | \$ 11,310,117                       | \$ -                                                     | \$ 27,827,481               |
| PGE210111                                 | Monitoring-Based Persistence Commissioning             | \$ -                                                      | \$ -                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210111                                 | Lodging Savers                                         | \$ 5,044,780                                              | \$ -                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210112                                 | School Energy Efficiency                               | \$ 3,421,431                                              | \$ 2,174,599                    | \$ -                                                  | \$ 485,773                          | \$ -                                                     | \$ 1,512,412                                 | -               | \$ 1,512,412      | \$ 2,319,689                          | \$ -                                                  | \$ 228,165                          | \$ -                                                     | \$ 2,971,98                 |

PA Name: Pacific Gas and Electric Company  
Budget Year: 2019

Table 4 – Budget, Spent, Unspent, Carryover Details

| 2016 Budget, Spent, Unspent and Carryover |                                                              |                                                           |                                       |                                                       |                                     |                                                          | 2017 Budget, Fundshifts and Spending to Date |                 |                   |                                       |                                                       |                                     |                                                          | 2018 Authorized Budget [12] |
|-------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------|-------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------|-----------------|-------------------|---------------------------------------|-------------------------------------------------------|-------------------------------------|----------------------------------------------------------|-----------------------------|
| New/Existing Program #                    | Main Program Name / Sub-Program Name                         | 2016 Total Budget with Commitments & Fundshifts (G+J+M+N) | 2016 Cycle Expenditures Spent in 2016 | 2016 Unspent/Uncommite d Funds Returned to Ratepayers | 2016 Commitments as of 12/31/16 [5] | 2016 Unspent/Uncommite d Funds Available for 2018 offset | 2017 Authorized Budget                       | 2017 Fundshifts | 2017 Total Budget | 2017 Cycle Expenditures Spent in 2017 | 2016 Unspent/Uncommite d Funds Returned to Ratepayers | 2017 Commitments as of 12/31/17 [5] | 2017 Unspent/Uncommite d Funds Available for 2018 offset | 2018 Authorized Budget [12] |
| PGE210124                                 | Ozone Laundry Energy Efficiency                              | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210125                                 | California Preschool Energy Efficiency Program               | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210126                                 | K-12 Private Schools and Colleges Audit Ratio                | \$ 1,844,726                                              | \$ 1,671,226                          | \$ -                                                  | \$ 28,107                           | \$ -                                                     | \$ 1,959,233                                 | \$ -            | \$ 1,959,233      | \$ 274,675                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210127                                 | Innovative Designs for Energy Efficiency Approaches (IDEA)   | \$ 10,272,122                                             | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210128                                 | Enovity SMART                                                | \$ -                                                      | \$ 304,130                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ (196)                              | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210129                                 | Nexant AERCx                                                 | \$ -                                                      | \$ 277,389                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ (0)                                | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210130                                 | CLEAResult AERCx                                             | \$ -                                                      | \$ 286,046                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ 147,432                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210131                                 | PECT AERCx                                                   | \$ -                                                      | \$ (19,156)                           | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ 93,714                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210136                                 | McKinstry Laboratory Fume Hoods                              | \$ -                                                      | \$ (26,114)                           | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210137                                 | Waypoint Commercial Outreach                                 | \$ -                                                      | \$ 598,585                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 901,094                                   | \$ -            | \$ 901,094        | \$ 8,014                              | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210138                                 | Data Center Air Flow and Temp Optimization                   | \$ -                                                      | \$ 251,159                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 512,895                                   | \$ -            | \$ 512,895        | \$ 202,388                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210139                                 | SEI Energize Schools Program                                 | \$ -                                                      | \$ 517,681                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 411,884                                   | \$ -            | \$ 411,884        | \$ 444,299                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 316,125                  |
| PGE210140                                 | Mazzetti Dynamic Gas Scavenging System                       | \$ -                                                      | \$ 97                                 | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210141                                 | Lincus Commercial Mid-Market Program                         | \$ -                                                      | \$ 5,459                              | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210143                                 | Hospitality Program                                          | \$ (2,049,313)                                            | \$ 9,748,754                          | \$ -                                                  | \$ 866,140                          | \$ -                                                     | \$ 8,828,990                                 | \$ -            | \$ 8,828,990      | \$ 9,399,480                          | \$ -                                                  | \$ 254,143                          | \$ -                                                     | \$ 12,626,882               |
| PGE21016                                  | Air Care Plus                                                | \$ 604,146                                                | \$ (356,235)                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ 263,282                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE21017                                  | Boiler Energy Efficiency Program                             | \$ 2,086,213                                              | \$ 917,469                            | \$ -                                                  | \$ 78,065                           | \$ -                                                     | \$ 806,844                                   | \$ -            | \$ 806,844        | \$ 805,932                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE21018                                  | EnergySmart Grocer                                           | \$ 7,456,460                                              | \$ 5,966,916                          | \$ -                                                  | \$ 42,115                           | \$ -                                                     | \$ 6,855,755                                 | \$ -            | \$ 6,855,755      | \$ 7,759,847                          | \$ -                                                  | \$ 10,323,937                       | \$ -                                                     | \$ 6,672,373                |
| PGE21019                                  | Enhanced Automation Initiative                               | \$ -                                                      | \$ 41,905                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE2103                                   | Agricultural Third Party Programs SubTotal                   | \$ 8,227,091                                              | \$ 5,886,232                          | \$ -                                                  | \$ 642,431                          | \$ -                                                     | \$ 15,982,677                                | \$ -            | \$ 15,982,677     | \$ 5,916,331                          | \$ -                                                  | \$ 2,625,063                        | \$ -                                                     | \$ 8,589,707                |
| PGE210310                                 | Dairy Industry Resource Advantage Pgm                        | \$ 1,480,754                                              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210311                                 | Process Wastewater Treatment EM Pgm for Ag Food Processing   | \$ 1,065,359                                              | \$ 476,641                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,110,018                                 | \$ -            | \$ 1,110,018      | \$ 390,611                            | \$ -                                                  | \$ 18,585                           | \$ -                                                     | \$ 988,763                  |
| PGE210312                                 | Dairy and Winery Industry Efficiency Solutions               | \$ -                                                      | \$ 3,390,664                          | \$ -                                                  | \$ 522,869                          | \$ -                                                     | \$ 4,386,895                                 | \$ -            | \$ 4,386,895      | \$ 1,941,705                          | \$ -                                                  | \$ 784,461                          | \$ -                                                     | \$ 3,350,121                |
| PGE210313                                 | Staples Low Pressure Irrigation DI                           | \$ -                                                      | \$ 63,210                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE21035                                  | Dairy Energy Efficiency Program                              | \$ 472,638                                                | \$ 1,157                              | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE21036                                  | Industrial Refrigeration Performance Plus                    | \$ 1,419,916                                              | \$ 160,199                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 2,266,145                                 | \$ -            | \$ 2,266,145      | \$ 471,847                            | \$ -                                                  | \$ 491,197                          | \$ -                                                     | \$ 692,777                  |
| PGE21037                                  | Light Exchange Program                                       | \$ 1,046,700                                              | \$ 751                                | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE21038                                  | Wine Industry Efficiency Solutions                           | \$ 1,677,221                                              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE21039                                  | Comprehensive Food Process Audit & Resource Efficiency Pgm   | \$ 1,064,504                                              | \$ 1,793,610                          | \$ -                                                  | \$ 119,561                          | \$ -                                                     | \$ 8,219,619                                 | \$ -            | \$ 8,219,619      | \$ 3,112,167                          | \$ -                                                  | \$ 1,330,820                        | \$ -                                                     | \$ 3,558,046                |
| PGE2102                                   | Industrial Third Party Programs SubTotal                     | \$ 20,899,617                                             | \$ 16,205,955                         | \$ -                                                  | \$ 182,471                          | \$ -                                                     | \$ 29,690,792                                | \$ -            | \$ 29,690,792     | \$ 15,661,227                         | \$ -                                                  | \$ 7,241,542                        | \$ -                                                     | \$ 25,916,672               |
| PGE210210                                 | Industrial Recommissioning Program                           | \$ 1,372,850                                              | \$ 1,350,434                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,669,289                                 | \$ -            | \$ 1,669,289      | \$ 446,468                            | \$ -                                                  | \$ 646,889                          | \$ -                                                     | \$ 2,245,631                |
| PGE210211                                 | Light Industrial Energy Efficiency                           | \$ -                                                      | \$ 47,944                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,120,799                                 | \$ -            | \$ 1,120,799      | \$ 217,555                            | \$ -                                                  | \$ 45,855                           | \$ -                                                     | \$ 948,385                  |
| PGE210212                                 | Industrial Compressed Air System Efficiency                  | \$ -                                                      | \$ 245,729                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 889,186                                   | \$ -            | \$ 889,186        | \$ 233,412                            | \$ -                                                  | \$ 185,778                          | \$ -                                                     | \$ 270,590                  |
| PGE210213                                 | Small Petrochemical Energy Efficiency                        | \$ -                                                      | \$ 96,290                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,228,940                                 | \$ -            | \$ 1,228,940      | \$ 236,774                            | \$ -                                                  | \$ 3,624                            | \$ -                                                     | \$ 714,660                  |
| PGE21025                                  | California Wastewater Process Optimization                   | \$ 995,518                                                | \$ 644,407                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 879,788                                   | \$ -            | \$ 879,788        | \$ 167,288                            | \$ -                                                  | \$ 284,814                          | \$ -                                                     | \$ 1,227,756                |
| PGE21026                                  | Energy Efficiency Services for Oil Production                | \$ 4,475,267                                              | \$ 1,510,663                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 5,028,847                                 | \$ -            | \$ 5,028,847      | \$ 1,134,765                          | \$ -                                                  | \$ 1,621,548                        | \$ -                                                     | \$ 3,737,735                |
| PGE21027                                  | Heavy Industry Energy Efficiency Program                     | \$ 11,067,518                                             | \$ 8,839,023                          | \$ -                                                  | \$ 182,471                          | \$ -                                                     | \$ 15,288,395                                | \$ -            | \$ 15,288,395     | \$ 8,478,932                          | \$ -                                                  | \$ 1,794,208                        | \$ -                                                     | \$ 13,179,841               |
| PGE21028                                  | Industrial Compressed Air Program                            | \$ 1,678,196                                              | \$ 18,634                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ (3,719)                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE21029                                  | Refinery Energy Efficiency Program                           | \$ 1,310,269                                              | \$ 591,226                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 952,965                                   | \$ -            | \$ 952,965        | \$ 1,520,486                          | \$ -                                                  | \$ 2,567,126                        | \$ -                                                     | \$ 1,666,727                |
| PGE21035                                  | Lincus WISE                                                  | \$ -                                                      | \$ 2,861,492                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 2,632,582                                 | \$ -            | \$ 2,632,582      | \$ 3,229,245                          | \$ -                                                  | \$ 917,000                          | \$ -                                                     | \$ 2,327,364                |
| PGE21042                                  | Ameresco Intelligent Energy Efficiency                       | \$ -                                                      | \$ 110                                | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE2107                                   | Workforce Education & Training Third Party Programs SubTotal | \$ -                                                      | \$ 46,214                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE21074                                  | Builder Energy Code Training                                 | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE21075                                  | Green Building Technical Support Services                    | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE210134                                 | Bridges to Energy Sector Opportunities                       | \$ -                                                      | \$ 46,214                             | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | \$ -            | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE2110                                   | Government Partnership Programs Total                        | \$ 69,024,961                                             | \$ 63,692,329                         | \$ -                                                  | \$ 6,076,600                        | \$ -                                                     | \$ 74,542,976                                | \$ -            | \$ 74,542,976     | \$ 56,789,532                         | \$ -                                                  | \$ 3,615,328                        | \$ -                                                     | \$ 72,368,174               |
| PGE2110011                                | California Community Colleges                                | \$ 3,495,392                                              | \$ 2,936,598                          | \$ -                                                  | \$ 1,263,079                        | \$ -                                                     | \$ 2,650,376                                 | \$ -            | \$ 2,650,376      | \$ 991,734                            | \$ -                                                  | \$ 779,480                          | \$ -                                                     | \$ 4,448,702                |
| PGE2110012                                | University                                                   | \$ 8,504,419                                              | \$ 4,160,265                          | \$ -                                                  | \$ 3,248,820                        | \$ -                                                     | \$ 6,135,203                                 | \$ -            | \$ 6,135,203      | \$ 3,495,997                          | \$ -                                                  | \$ 1,877,527                        | \$ -                                                     | \$ 4,703,997                |
| PGE2110013                                | State of California                                          | \$ 1,423,968                                              | \$ 597,810                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 922,797                                   | \$ -            | \$ 922,797        | \$ 657,152                            | \$ -                                                  | \$ 9,990                            | \$ -                                                     | \$ 1,005,394                |
| PGE2110014                                | Department of Corrections and Rehabilitation                 | \$ 3,199,909                                              | \$ 1,395,816                          | \$ -                                                  | \$ 715,062                          | \$ -                                                     | \$ 2,036,885                                 | \$ -            | \$ 2,036,885      | \$ 703,393                            | \$ -                                                  | \$ 818,225                          | \$ -                                                     | \$ 1,677,562                |
| PGE2110051                                | Local Government Energy Action Resources (LGEAR)             | \$ 5,500,535                                              | \$ 8,894,255                          | \$ -                                                  | \$ 15,808                           | \$ -                                                     | \$ 8,687,570                                 | \$ -            | \$ 8,687,570      | \$ 3,504,107                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 6,059,173                |
| PGE2110052                                | Strategic Energy Resources                                   | \$ 2,764,003                                              | \$ 7,633,159                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 9,885,399                                 | \$ -            | \$ 9,885,399      | \$ 7,138,904                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 9,632,258                |
| PGE211007                                 | Association of Monterey Bay Area Governments (AMBAG)         | \$ 3,581,301                                              | \$ 3,472,920                          | \$ -                                                  | \$ 101,248                          | \$ -                                                     | \$ 3,732,609                                 | \$ -            | \$ 3,732,609      | \$ 4,056,257                          | \$ -                                                  | \$ 58,408                           | \$ -                                                     | \$ 3,744,061                |
| PGE211009                                 | East Bay                                                     | \$ 9,262,008                                              | \$ 6,597,937                          | \$ -                                                  | \$ 97,015                           | \$ -                                                     | \$ 6,093,616                                 | \$ -            | \$ 6,093,616      | \$ 6,136,966                          | \$ -                                                  | \$ 57,559                           | \$ -                                                     | \$ 6,129,105                |
| PGE211010                                 | Fresno                                                       | \$ 3,846,492                                              | \$ 2,698,158                          | \$ -                                                  | \$ 1,787                            | \$ -                                                     | \$ 2,601,225                                 | \$ -            | \$ 2,601,225      | \$ 1,920,517                          | \$ -                                                  | \$ 98,291                           | \$ -                                                     | \$ 2,648,728                |
| PGE211011                                 | Kern                                                         | \$ 3,194,412                                              | \$ 2,497,282                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 2,680,280                                 | \$ -            | \$ 2,680,280      | \$ 2,436,122                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 2,725,208                |
| PGE211012                                 | Madera                                                       | \$ 445,314                                                | \$ 314,528                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 326,472                                   | \$ -            | \$ 326,472        | \$ 413,979                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 363,621                  |
| PGE211013                                 | Marin County                                                 | \$ 1,334,743                                              | \$ 1,221,459                          | \$ -                                                  | \$ 2,373                            | \$ -                                                     | \$ 1,281,629                                 | \$ -            | \$ 1,281,629      | \$ 747,329                            | \$ -                                                  | \$ 3,585                            | \$ -                                                     | \$ 1,271,550                |
| PGE211014                                 | Mendocino/Lake County                                        | \$ 322,506                                                | \$ 666,557                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 634,221                                   | \$ -            | \$ 634,221        | \$ 545,040                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 711,132                  |
| PGE211015                                 | Napa County                                                  | \$ 549,632                                                | \$ 439,889                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 530,485                                   | \$ -            | \$ 530,485        | \$ 311,606                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 557,007                  |
| PGE211016                                 | Redwood Coast                                                | \$ 1,556,310                                              | \$ 1,332,988                          | \$ -                                                  | \$ 5,429                            | \$ -                                                     | \$ 1,609,191                                 | \$ -            | \$ 1,609,191      | \$ 1,192,649                          | \$ -                                                  | \$ 46                               | \$ -                                                     | \$ 1,598,170                |
| PGE211018                                 | San Luis Obispo County                                       | \$ 936,840                                                | \$ 1,169,461                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,054,111                                 | \$ -            | \$ 1,054,111      | \$ 1,183,580                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,076,601                |
| PGE211019                                 | San Mateo County                                             | \$ 1,744,567                                              | \$ 1,999,253                          | \$ -                                                  | \$ 136,065                          | \$ -                                                     | \$ 2,271,691                                 | \$ -            | \$ 2,271,691      | \$ 1,822,151                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 2,279,756                |
| PGE211020                                 | Santa Barbara                                                | \$ 1,184,837                                              | \$ 852,691                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 973,018                                   | \$ -            | \$ 973,018        | \$ 578,544                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,008,901                |
| PGE211021                                 | Sierra Nevada                                                | \$ 2,560,460                                              | \$ 2,189,823                          | \$ -                                                  | \$ 8,718                            | \$ -                                                     | \$ 2,391,132                                 | \$ -            | \$ 2,391,132      | \$ 1,404,108                          | \$ -                                                  | \$ 15,794                           | \$ -                                                     | \$ 2,422,994                |
| PGE211022                                 | Sonoma County                                                | \$ 1,709,718                                              | \$ 1,647,877                          | \$ -                                                  | \$ 534                              | \$ -                                                     | \$ 1,764,538                                 | \$ -            | \$ 1,764,538      | \$ 2,301,325                          | \$ -                                                  | \$ 14,177                           | \$ -                                                     | \$ 1,756,500                |
| PGE211023                                 | Silicon Valley                                               | \$ 4,074,436                                              | \$ 3,934,221                          | \$ -                                                  | \$ 323,658                          | \$ -                                                     | \$ 3,793,893                                 | \$ -            | \$ 3,793,893      | \$ 5,110,637                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 3,762,183                |

PA Name: Pacific Gas and Electric Company  
Budget Year: 2019

Table 4 – Budget, Spent, Unspent, Carryover Details

| New/Existing Program # | Main Program Name / Sub-Program Name                                                | 2016 Budget, Spent, Unspent and Carryover                 |                                       |                                                       |                                     |                                                          | 2017 Budget, Fundshifts and Spending to Date |                 |                   |                                       |                                                       |                                     |                                                          | 2018 Authorized Budget [12] |
|------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------|-------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------|-----------------|-------------------|---------------------------------------|-------------------------------------------------------|-------------------------------------|----------------------------------------------------------|-----------------------------|
|                        |                                                                                     | 2016 Total Budget with Commitments & Fundshifts (G+J+M+N) | 2016 Cycle Expenditures Spent in 2016 | 2016 Unspent/Uncommitted Funds Returned to Ratepayers | 2016 Commitments as of 12/31/16 [5] | 2016 Unspent/Uncommitted Funds Available for 2018 offset | 2017 Authorized Budget                       | 2017 Fundshifts | 2017 Total Budget | 2017 Cycle Expenditures Spent in 2017 | 2016 Unspent/Uncommitted Funds Returned to Ratepayers | 2017 Commitments as of 12/31/17 [5] | 2017 Unspent/Uncommitted Funds Available for 2018 offset |                             |
| PGE211024              | San Francisco                                                                       | \$ 7,832,558                                              | \$ 7,039,384                          | \$ -                                                  | \$ 157,003                          | \$ -                                                     | \$ 6,168,064                                 | -               | \$ 6,168,064      | \$ 4,056,751                          | \$ -                                                  | \$ 36,758                           | \$ -                                                     | \$ 6,315,049                |
| PGE211026              | North Valley                                                                        | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,908,356                                 | -               | \$ 1,908,356      | \$ 536,850                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,898,230                |
| PGE211027              | Sutter Buttes                                                                       | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 446,216                                   | -               | \$ 446,216        | \$ 343,251                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 495,328                  |
| PGE211028              | Yolo                                                                                | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 357,936                                   | -               | \$ 357,936        | \$ 256,813                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 415,574                  |
| PGE211029              | Solano                                                                              | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,472,213                                 | -               | \$ 1,472,213      | \$ 2,262,743                          | \$ -                                                  | \$ 45,272                           | \$ -                                                     | \$ 1,480,725                |
| PGE211030              | Northern San Joaquin Valley                                                         | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 1,443,028                                 | -               | \$ 1,443,028      | \$ 2,202,379                          | \$ -                                                  | \$ 216                              | \$ -                                                     | \$ 1,455,492                |
| PGE211031              | Valley Innovative Energy Watch (VIEW)                                               | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 690,825                                   | -               | \$ 690,825        | \$ 478,848                            | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 725,163                  |
|                        | Funds to be returned in rates [4]                                                   | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
|                        | 2013-2015 funds transferred to REN and CCA balancing accounts for 2016 [6]          | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
|                        | Pre-2013 Unspent Funds transferred to 2016 Commercial Deemed Incentives program [3] | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
|                        | PG&E PROGRAM TOTAL                                                                  | \$ 419,703,607                                            | \$ 376,577,485                        | \$ -                                                  | \$ 48,833,978                       | \$ -                                                     | \$ 376,108,857                               | \$ -            | \$ 376,108,857    | \$ 295,636,016                        | \$ -                                                  | \$ 42,456,987                       | \$ -                                                     | \$ 352,460,723              |
| EM&V                   | EM&V (PA & CPUC Portions) Total                                                     | \$ 38,340,181                                             | \$ 1,831,591                          | \$ -                                                  | \$ 15,672,827                       | \$ -                                                     | \$ 16,988,842                                | \$ -            | \$ 16,988,842     | \$ 2,509,699                          | \$ -                                                  | \$ 14,479,143                       | \$ -                                                     | \$ 16,522,072               |
| PGE_EMV                | PG&E EM&V - CPUC                                                                    | \$ 29,230,527                                             | \$ 477,668                            | \$ -                                                  | \$ 11,723,301                       | \$ -                                                     | \$ 11,653,492                                | -               | \$ 11,653,492     | \$ 524,259                            | \$ -                                                  | \$ 11,129,233                       | \$ -                                                     | \$ 11,055,064               |
| PGE_EMV                | PG&E EM&V - PG&E                                                                    | \$ 9,109,655                                              | \$ 1,053,923                          | \$ -                                                  | \$ 3,949,526                        | \$ -                                                     | \$ 4,580,210                                 | -               | \$ 4,580,210      | \$ 2,083,440                          | \$ -                                                  | \$ 2,496,770                        | \$ -                                                     | \$ 4,193,300                |
| PGE_EMV                | BayREN EM&V - CPUC                                                                  | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 499,555                                   | -               | \$ 499,555        | \$ (98,001)                           | \$ -                                                  | \$ 597,556                          | \$ -                                                     | \$ 675,609                  |
| PGE_EMV                | BayREN EM&V                                                                         | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 189,486                                   | -               | \$ 189,486        | \$ -                                  | \$ -                                                  | \$ 189,486                          | \$ -                                                     | \$ 256,266                  |
| PGE_EMV                | MCE EM&V - CPUC                                                                     | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 47,921                                    | -               | \$ 47,921         | \$ -                                  | \$ -                                                  | \$ 47,921                           | \$ -                                                     | \$ 247,829                  |
| PGE_EMV                | MCE EM&V                                                                            | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 18,177                                    | -               | \$ 18,177         | \$ -                                  | \$ -                                                  | \$ 18,177                           | \$ -                                                     | \$ 94,004                   |
| PGE_EMV                | 3C REN EM&V - CPUC                                                                  | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE_EMV                | 3C REN EM&V                                                                         | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
|                        | PG&E TOTAL with EM&V                                                                | \$ 458,043,789                                            | \$ 378,109,077                        | \$ -                                                  | \$ 64,506,805                       | \$ -                                                     | \$ 393,097,699                               | -               | \$ 393,097,699    | \$ 298,045,715                        | \$ -                                                  | \$ 56,936,130                       | \$ -                                                     | \$ 368,982,795              |
| PGE_BayREN             | BayREN [10]                                                                         | \$ 20,297,885                                             | \$ 17,379,767                         | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 16,537,000                                | -               | \$ 16,537,000     | \$ 16,494,231                         | \$ -                                                  | \$ 42,769                           | \$ -                                                     | \$ 22,365,000               |
| PGE_MCE                | Marin Clean Energy [10]                                                             | \$ 1,622,529                                              | \$ 1,428,096                          | \$ 311,915                                            | \$ 104,615                          | \$ -                                                     | \$ 1,586,347                                 | -               | \$ 1,586,347      | \$ 1,816,622                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 8,204,000                |
| PGE_3C REN             | 3C REN [10]                                                                         | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
|                        | TOTAL PG&E EE EXPENSE PORTFOLIO                                                     | \$ 479,964,203                                            | \$ 386,916,939                        | \$ 311,915                                            | \$ 64,611,421                       | \$ -                                                     | \$ 411,221,046                               | \$ -            | \$ 411,221,046    | \$ 316,356,567                        | \$ -                                                  | \$ 56,978,899                       | \$ -                                                     | \$ 399,551,795              |
| PGE21091LP             | OBF REVOLVING LOAN POOL                                                             | \$ 25,682,517                                             | \$ 2,224,457                          | \$ -                                                  | \$ 7,775,543                        | \$ -                                                     | \$ 13,500,000                                | -               | \$ 13,500,000     | \$ 8,344,822                          | \$ -                                                  | \$ 5,155,178                        | \$ -                                                     | \$ 13,500,000               |
|                        | TOTAL PG&E EE PORTFOLIO                                                             | \$ 505,646,720                                            | \$ 399,141,396                        | \$ 311,915                                            | \$ 72,386,964                       | \$ -                                                     | \$ 424,721,046                               | -               | \$ 424,721,046    | \$ 324,701,390                        | \$ -                                                  | \$ 62,134,077                       | \$ -                                                     | \$ 413,051,795              |
|                        | Other EE-Related Budgets                                                            |                                                           |                                       |                                                       |                                     |                                                          |                                              |                 |                   |                                       |                                                       |                                     |                                                          |                             |
| PGE_SWMEO              | Statewide Marketing, Education and Outreach Program Total                           | \$ 8,445,775                                              | \$ 7,689,442                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 6,840,739                                 | -               | \$ 6,840,739      | \$ 7,269,185                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 6,840,979                |
| PGE_SWMEO              | Statewide Marketing, Education and Outreach Program (Flex Alert) [11]               | \$ -                                                      | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                                         | -               | \$ -              | \$ -                                  | \$ -                                                  | \$ -                                | \$ -                                                     | \$ -                        |
| PGE_SWMEO              | Statewide Marketing, Education and Outreach Program [11]                            | \$ 8,445,775                                              | \$ 7,689,442                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 6,840,739                                 | -               | \$ 6,840,739      | \$ 7,269,185                          | \$ -                                                  | \$ -                                | \$ -                                                     | \$ 6,840,979                |

Notes:

- "2015 Total Budget with Commitments & Fundshifts" reflects funds available for 2015, from the authorized 2013-2015 Budget, less the spending in 2013 - 2014 from the 2013 - 2015 Budget.
- "2015 Total Budget Spent" includes spending in 2015 paid from the 2013 - 2015 Budget.
- "Requested Carry Over of pre-2013 Unspent Funds to 2016" identifies the funds PG&E is requesting to carry over to 2016 in supplemental Advice 3752-G-B/4905-E-B, which was approved on November 2, 2016. In addition to the amounts identified at the subprogram level in column G, PG&E was approved authorization to shift \$9.9m of pre-2013 unspent funds into the Commercial Deemed Incentive program 2016 budget.
- The CPUC approved AL 3718-G/4852-E on July 11, 2016, authorizing PG&E to return a total of \$43,024,401.85 in unspent, uncommitted energy efficiency funds from its 2013-2015 program cycle to its customers; PG&E implemented this through a one-time adjustment to its gas and electric EE balancing accounts.
- Commitments as of 12/31/2015 (column I), 12/31/2016 (column Y) includes incentive Commitments as of the end of the year indicated. Contractual encumbrances are not reflected. BayREN and MCE Carry Over figures represent the level of funds in PG&E's balancing accounts; this may include BayREN expenses or MCE gas expenses not yet invoiced to or accrued by PG&E as of the year indicated; the remainder is the amount potentially available for carry over; these may not match MCE or BayREN submissions.
- 2013-2015 Unspent/Committed Funds, Carryover to 2016" Identifies unspent, committed funds that are carried over into 2016 and augment the 2016 budget, in accordance with D.12-11-015, as follows:  
  
New Financing Offerings: In D. 15-06-008, the Commission ordered that PG&E operate for a minimum of 24 months from the point at which each pilot program enrolls its first loan. The Pilots have begun enrolling loans in 2016 indicating that the pilots will run until at least 2018. New financing pilot subprogram funds collected during 2013-2014 period are being carried over to continue to operate during this compliance period.  
Funds Transferred to REN and CCA balancing accounts: In D.16-05-004 (petition to modify D.14-10-046), effective May 12, 2016, the Commission authorized for Marin Clean Energy (MCE) an annual budget increase of \$366,080 for the duration of the ten-year rolling portfolio cycle unless and until modified by the Commission. The CPUC approved AL 3718-G/4852-E on July 11, 2016, authorizing PG&E to use unspent 2013-2015 unspent funds to fund the increase in MCE's 2016 budget. Advice Letter 3704-G/4826-E, effective April 29, 2016, authorized for BayREN a one-time budget increase of \$3,700,000 transferred from unspent 2013-2015 cycle EE funds to the 2016 cycle.  
  
Marin Clean Energy: MCE's 2015 authorized gas budget included \$419,000. The Commission authorized a gas budget of \$219,000 in D.14-10-046 and augmented the gas budget by \$200,000 per PG&E Advice 3642-G/4720-E, filed 10/15/2015, approved 10/28/2015. After \$382,818 of gas payments from PG&E to MCE, \$36,182 is available for carryover to 2016.
- "Pre-2016 unspent/uncommitted funds available for 2017 offset" identifies 2013–2015 cycle unspent funds at the program level. The balancing account transfer for \$43 million of funds refunded to customers based on Advice Letter 3718-G/4852-E is identified on Row 154. Unspent funds from 2009 and 2010–2012 are represented in Column G. In 2017 PG&E recorded a one-time electric EE balancing account adjustment of \$230,474 crediting customer rates for unspent 2015-2016 Marin Clean Energy Electric funds. In the 2018 ABAL, it had been pointed out that of the \$230,474, a refund should have occurred in the amount of \$311,915 from the 2016 cycle, while an increase of \$81,441 should have been applied to the 2013-2015 cycle.
- "2019 Proposed Budget" reflects the budget request for 2019, which differs from the collections requested through this advice letter of approximately \$408.8 million.
- Advice Letter 3589-G-C/4624-E-C, approved June 29, 2015, effective June 25, 2015 established the Energy Efficiency Financing Balancing Account (EEFBA), and the Credit Enhancement Balance Account (CEBA) and the On-Bill Financing Balancing Account (OBFBA) subaccounts. The \$14 million referenced in cell H57 was transferred to the CEBA subaccount.
- BayREN, MCE and 3C-REN figures generally represent the level of funds in PG&E's balancing accounts and may not match MCE or BayREN submissions calculations.
- The "2018 Authorized Budget" in Table 4 represents PG&E's 2018 CEDARS filing budget at the subprogram level detail, and BayREN and MCE's approved budgets per the Business Plan Decision D.18-05-041. This budget is lower than PG&E's 2018 portfolio budget of \$416,713,780, also approved in D.18-05-041. Subprogram level detail is unavailable in the approved Business Plan budget.
- 2019 BayREN and MCE budgets are the authorized amounts from the Business Plan decision D.18-05-041, with their EM&V budgets increased to be 4% of their total budget.
- 2019 3C-REN budget is the proposed contribution for PG&E as circulated by 3C-REN on August 28, 2018, which includes 4% EM&V.

PA Name: Pacific Gas and Electric Company  
Budget Year: 2019

Table 4 – Budget, Spent, Unspent, Carryover Details

| 18 Budget, Fundshifts and Spending to Date |                                                        |                 |                   | 2019 Proposed Budget                           |                                    |                                                                                 |                      |                    |               |                          |                |                                                   |  |
|--------------------------------------------|--------------------------------------------------------|-----------------|-------------------|------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------|----------------------|--------------------|---------------|--------------------------|----------------|---------------------------------------------------|--|
| New/Existing Program #                     | Main Program Name / Sub-Program Name                   | 2018 Fundshifts | 2018 Total Budget | 2018 Cycle Expenditures Spent as of 09/30/2018 | 2019 Proposed Budget [8] [13] [14] | 2019 Budget Offset from Pre-2018 and Estimated 2018 Unspent & Uncommitted Funds | 2019 Funds Requested | Program Type       | Market Sector | Resource or Non-resource | Program Status | Utility Grouping                                  |  |
| PGE2100                                    | Residential Energy Efficiency Programs Total           | -               | \$ 55,622,926     | 40,766,680                                     | \$ 53,524,054                      | \$ -                                                                            | \$ 53,524,054        |                    |               |                          |                |                                                   |  |
| PGE21001                                   | Residential Energy Advisor                             | -               | \$ 14,692,263     | 11,379,483                                     | \$ 11,963,763                      | \$ -                                                                            | \$ 11,963,763        | IOU Core/Statewide | Residential   | Resource                 | Existing       | Residential Energy Efficiency Programs            |  |
| PGE21002                                   | Plug Load and Appliances                               | -               | \$ 10,600,377     | 7,831,365                                      | \$ 7,944,928                       | \$ -                                                                            | \$ 7,944,928         | IOU Core/Statewide | Residential   | Resource                 | Existing       | Residential Energy Efficiency Programs            |  |
| PGE21003                                   | Multifamily Energy Efficiency                          | -               | \$ 6,779,725      | 1,940,745                                      | \$ 6,401,906                       | \$ -                                                                            | \$ 6,401,906         | IOU Core/Statewide | Residential   | Resource                 | Existing       | Residential Energy Efficiency Programs            |  |
| PGE21004                                   | Energy Upgrade California                              | -               | \$ 10,707,759     | 7,715,716                                      | \$ 8,776,578                       | \$ -                                                                            | \$ 8,776,578         | IOU Core/Statewide | Residential   | Resource                 | Existing       | Residential Energy Efficiency Programs            |  |
| PGE21005                                   | Residential New Construction                           | -               | \$ 6,770,695      | 5,312,606                                      | \$ 6,899,495                       | \$ -                                                                            | \$ 6,899,495         | IOU Core/Statewide | Residential   | Resource                 | Existing       | Residential Energy Efficiency Programs            |  |
| PGE21006                                   | Residential HVAC                                       | -               | \$ 5,316,382      | 5,748,953                                      | \$ 3,949,103                       | \$ -                                                                            | \$ 3,949,103         | IOU Core/Statewide | Residential   | Resource                 | Existing       | Residential Energy Efficiency Programs            |  |
| PGE21010                                   | Pay for Performance Pilot                              | -               | \$ 755,726        | 899,811                                        | \$ 7,366,260                       | \$ -                                                                            | \$ 7,366,260         | Third/Local Party  | Residential   | Resource                 | Existing       | Residential Energy Efficiency Programs            |  |
| PGE2101                                    | Commercial Programs Total                              | -               | \$ 64,732,529     | 34,140,340                                     | \$ 39,389,591                      | \$ -                                                                            | \$ 39,389,591        |                    |               |                          |                |                                                   |  |
| PGE21011                                   | Commercial Calculated Incentives                       | -               | \$ 23,262,758     | 8,459,064                                      | \$ 8,524,651                       | \$ -                                                                            | \$ 8,524,651         | IOU Core/Statewide | Commercial    | Resource                 | Existing       | Commercial Energy Efficiency Programs             |  |
| PGE211025                                  | Savings by Design (SBD)                                | -               | \$ 9,111,221      | 1,876,169                                      | \$ 3,194,769                       | \$ -                                                                            | \$ 3,194,769         | IOU Core/Statewide | Commercial    | Resource                 | Existing       | Commercial Energy Efficiency Programs             |  |
| PGE21012                                   | Commercial Deemed Incentives                           | -               | \$ 19,367,904     | 12,554,965                                     | \$ 14,077,205                      | \$ -                                                                            | \$ 14,077,205        | IOU Core/Statewide | Commercial    | Resource                 | Existing       | Commercial Energy Efficiency Programs             |  |
| PGE21013                                   | Commercial Continuous Energy Improvement               | -               | \$ 240,150        | 45,617                                         | \$ -                               | \$ -                                                                            | \$ -                 | IOU Core/Statewide | Commercial    | Non-Resource             | Closed         | Commercial Energy Efficiency Programs             |  |
| PGE21014                                   | Commercial Energy Advisor                              | -               | \$ 2,123,638      | 1,297,998                                      | \$ 571,747                         | \$ -                                                                            | \$ 571,747           | IOU Core/Statewide | Commercial    | Resource                 | Existing       | Commercial Energy Efficiency Programs             |  |
| PGE21015                                   | Commercial HVAC                                        | -               | \$ 10,626,958     | 9,906,527                                      | \$ 13,021,318                      | \$ -                                                                            | \$ 13,021,318        | IOU Core/Statewide | Commercial    | Resource                 | Existing       | Commercial Energy Efficiency Programs             |  |
| PGE2105                                    | Agricultural Programs Total                            | -               | \$ 17,236,326     | 6,767,131                                      | \$ 5,903,194                       | \$ -                                                                            | \$ 5,903,194         |                    |               |                          |                |                                                   |  |
| PGE21031                                   | Agricultural Calculated Incentives                     | -               | \$ 9,155,082      | 1,901,466                                      | \$ 2,342,560                       | \$ -                                                                            | \$ 2,342,560         | IOU Core/Statewide | Agricultural  | Resource                 | Existing       | Agricultural Energy Efficiency Programs           |  |
| PGE21032                                   | Agricultural Deemed Incentives                         | -               | \$ 4,758,784      | 3,108,894                                      | \$ 3,296,832                       | \$ -                                                                            | \$ 3,296,832         | IOU Core/Statewide | Agricultural  | Resource                 | Existing       | Agricultural Energy Efficiency Programs           |  |
| PGE21033                                   | Agricultural Continuous Energy Improvement             | -               | \$ 67,740         | 2,487                                          | \$ -                               | \$ -                                                                            | \$ -                 | IOU Core/Statewide | Agricultural  | Non-Resource             | Closed         | Agricultural Energy Efficiency Programs           |  |
| PGE21034                                   | Agricultural Energy Advisor                            | -               | \$ 3,256,739      | 1,754,284                                      | \$ 2,863,802                       | \$ -                                                                            | \$ 2,863,802         | IOU Core/Statewide | Agricultural  | Resource                 | Existing       | Agricultural Energy Efficiency Programs           |  |
| PGE2102                                    | Industrial Programs Total                              | \$ -            | \$ 18,155,388     | 4,335,565                                      | \$ 7,902,256                       | \$ -                                                                            | \$ 7,902,256         |                    |               |                          |                |                                                   |  |
| PGE21021                                   | Industrial Calculated Incentives                       | -               | \$ 12,115,800     | 2,896,769                                      | \$ 5,369,917                       | \$ -                                                                            | \$ 5,369,917         | IOU Core/Statewide | Industrial    | Resource                 | Existing       | Industrial Energy Efficiency Programs             |  |
| PGE21022                                   | Industrial Deemed Incentives                           | -               | \$ 4,157,505      | 920,389                                        | \$ 243,822                         | \$ -                                                                            | \$ 243,822           | IOU Core/Statewide | Industrial    | Resource                 | Existing       | Industrial Energy Efficiency Programs             |  |
| PGE21023                                   | Industrial Continuous Energy Improvement               | -               | \$ 67,233         | 3,980                                          | \$ -                               | \$ -                                                                            | \$ -                 | IOU Core/Statewide | Industrial    | Non-Resource             | Closed         | Industrial Energy Efficiency Programs             |  |
| PGE21024                                   | Industrial Energy Advisor                              | -               | \$ 997,892        | 128,343                                        | \$ 67,359                          | \$ -                                                                            | \$ 67,359            | IOU Core/Statewide | Industrial    | Resource                 | Existing       | Industrial Energy Efficiency Programs             |  |
| PGE21030                                   | Industrial Strategic Energy Management                 | -               | \$ 1,217,158      | 385,483                                        | \$ 2,221,159                       | \$ -                                                                            | \$ 2,221,159         | Third/Local Party  | Industrial    | Resource                 | Existing       | Industrial Energy Efficiency Programs             |  |
| PGE2104                                    | Lighting Programs Total                                | -               | \$ 11,131,976     | 7,121,370                                      | \$ 2,811,724                       | \$ -                                                                            | \$ 2,811,724         |                    |               |                          |                |                                                   |  |
| PGE21041                                   | Primary Lighting                                       | -               | \$ 10,711,690     | 6,769,039                                      | \$ 2,811,724                       | \$ -                                                                            | \$ 2,811,724         | IOU Core/Statewide | Residential   | Resource                 | Existing       | Residential Energy Efficiency Programs            |  |
| PGE21042                                   | Lighting Innovation                                    | -               | \$ 357,652        | 288,531                                        | \$ -                               | \$ -                                                                            | \$ -                 | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Closed         | Commercial Energy Efficiency Programs             |  |
| PGE21043                                   | Lighting Market Transformation                         | -               | \$ 61,733         | 63,801                                         | \$ -                               | \$ -                                                                            | \$ -                 | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Closed         | Commercial Energy Efficiency Programs             |  |
| PGE2105                                    | Codes & Standards Programs Total                       | -               | \$ 16,183,839     | 12,582,355                                     | \$ 20,876,988                      | \$ -                                                                            | \$ 20,876,988        |                    |               |                          |                |                                                   |  |
| PGE21051                                   | Building Codes Advocacy                                | -               | \$ 4,331,109      | 2,490,483                                      | \$ 5,154,812                       | \$ -                                                                            | \$ 5,154,812         | IOU Core/Statewide | Cross-Cutting | Resource                 | Existing       | Codes and Standards Programs                      |  |
| PGE21052                                   | Appliance Standards Advocacy                           | -               | \$ 4,774,437      | 4,358,878                                      | \$ 3,221,757                       | \$ -                                                                            | \$ 3,221,757         | IOU Core/Statewide | Cross-Cutting | Resource                 | Existing       | Codes and Standards Programs                      |  |
| PGE21053                                   | Compliance Improvement                                 | -               | \$ 4,044,129      | 3,006,852                                      | \$ 5,154,812                       | \$ -                                                                            | \$ 5,154,812         | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Existing       | Codes and Standards Programs                      |  |
| PGE21054                                   | Reach Codes                                            | -               | \$ 604,747        | 390,773                                        | \$ 773,222                         | \$ -                                                                            | \$ 773,222           | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Existing       | Codes and Standards Programs                      |  |
| PGE21055                                   | Planning and Coordination                              | -               | \$ 850,922        | 920,121                                        | \$ 773,222                         | \$ -                                                                            | \$ 773,222           | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Existing       | Codes and Standards Programs                      |  |
| PGE21056                                   | Code Readiness                                         | -               | \$ 1,778,436      | 1,415,248                                      | \$ 3,866,109                       | \$ -                                                                            | \$ 3,866,109         | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Existing       | Codes and Standards Programs                      |  |
| PGE21057                                   | National Codes & Standards Advocacy                    | -               | \$ -              | -                                              | \$ 1,933,054                       | \$ -                                                                            | \$ 1,933,054         | IOU Core/Statewide | Cross-Cutting | Non-Resource             | New            | Codes and Standards Programs                      |  |
| PGE2106                                    | Emerging Technologies Programs Total                   | -               | \$ 5,629,976      | 2,128,951                                      | \$ 7,760,943                       | \$ -                                                                            | \$ 7,760,943         |                    |               |                          |                |                                                   |  |
| PGE21061                                   | Technology Development Support                         | -               | \$ 942,398        | 344,789                                        | \$ 1,670,296                       | \$ -                                                                            | \$ 1,670,296         | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Existing       | Emerging Technologies Programs                    |  |
| PGE21062                                   | Technology Assessments                                 | -               | \$ 1,929,215      | 577,728                                        | \$ 3,991,174                       | \$ -                                                                            | \$ 3,991,174         | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Existing       | Emerging Technologies Programs                    |  |
| PGE21063                                   | Technology Introduction Support                        | -               | \$ 2,758,363      | 1,205,534                                      | \$ 2,099,473                       | \$ -                                                                            | \$ 2,099,473         | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Existing       | Emerging Technologies Programs                    |  |
| PGE2107                                    | Workforce Education & Training Programs Total          | -               | \$ 11,038,180     | 5,922,496                                      | \$ 9,741,738                       | \$ -                                                                            | \$ 9,741,738         |                    |               |                          |                |                                                   |  |
| PGE21071                                   | Integrated Energy Education and Training               | -               | \$ 8,564,820      | 4,716,275                                      | \$ 8,508,575                       | \$ -                                                                            | \$ 8,508,575         | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Existing       | Workforce Education & Training Programs           |  |
| PGE21072                                   | Connections                                            | -               | \$ 1,900,879      | 1,014,029                                      | \$ 960,008                         | \$ -                                                                            | \$ 960,008           | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Existing       | Workforce Education & Training Programs           |  |
| PGE21073                                   | Strategic Planning                                     | -               | \$ 572,481        | 192,192                                        | \$ -                               | \$ -                                                                            | \$ -                 | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Closed         | Workforce Education & Training Programs           |  |
| PGE21076                                   | Career and Workforce Readiness                         | -               | \$ -              | -                                              | \$ 273,155                         | \$ -                                                                            | \$ 273,155           | IOU Core/Statewide | Cross-Cutting | Non-Resource             | New            | Workforce Education & Training Programs           |  |
| PGE2108                                    | Statewide DSM Coordination & Integration Program Total | -               | \$ 547,921        | 143,395                                        | \$ -                               | \$ -                                                                            | \$ -                 |                    |               |                          |                |                                                   |  |
| PGE21081                                   | Statewide DSM Coordination & Integration               | -               | \$ 547,921        | 143,395                                        | \$ -                               | \$ -                                                                            | \$ -                 | IOU Core/Statewide | Cross-Cutting | Non-Resource             | Closed         | Statewide DSM Coordination & Integration Programs |  |
| PGE2109                                    | Financing Programs Total                               | -               | \$ 4,158,662      | 2,386,498                                      | \$ 6,504,117                       | \$ -                                                                            | \$ 6,504,117         |                    |               |                          |                |                                                   |  |
| PGE21091                                   | On-Bill Financing (excludes Loan Pool)                 | -               | \$ 3,141,013      | 2,057,451                                      | \$ 5,954,968                       | \$ -                                                                            | \$ 5,954,968         | IOU Core/Statewide | Cross-Cutting | Resource                 | Existing       | Financing Programs                                |  |
| PGE21092                                   | Third-Party Financing                                  | -               | \$ 660,195        | 313,380                                        | \$ 31,828                          | \$ -                                                                            | \$ 31,828            | IOU Core/Statewide | Cross-Cutting | Resource                 | Existing       | Financing Programs                                |  |
| PGE21093                                   | New Financing Offerings [9]                            | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | IOU Core/Statewide | Cross-Cutting | Resource                 | Existing       | Financing Programs                                |  |
| PGE210911                                  | On Bill Financing Alternative Pathway                  | -               | \$ 357,454        | 15,666                                         | \$ 517,321                         | \$ -                                                                            | \$ 517,321           | IOU Core/Statewide | Cross-Cutting | Resource                 | Existing       | Financing Programs                                |  |
|                                            | Third-Party Programs (Competitively Bid) Total         | -               | \$ 75,653,627     | 39,283,114                                     | \$ 84,004,156                      | \$ -                                                                            | \$ 84,004,156        |                    |               |                          |                |                                                   |  |
| PGE2100                                    | Residential Third Party Programs SubTotal              | -               | \$ 13,319,768     | 13,766,665                                     | \$ 32,133,298                      | \$ -                                                                            | \$ 32,133,298        |                    |               |                          |                |                                                   |  |
| PGE21007                                   | California New Homes Multifamily                       | -               | \$ 1,460,826      | 477,631                                        | \$ 2,057,859                       | \$ -                                                                            | \$ 2,057,859         | Third/Local Party  | Residential   | Resource                 | Existing       | Residential Third Party Programs                  |  |
| PGE21008                                   | Enhance Time Delay Relay                               | -               | \$ 1,536,619      | 5,286,543                                      | \$ 8,385,536                       | \$ -                                                                            | \$ 8,385,536         | Third/Local Party  | Residential   | Resource                 | Existing       | Residential Third Party Programs                  |  |
| PGE21009                                   | Direct Install for Manufactured and Mobile Homes       | -               | \$ 5,242,617      | 4,255,628                                      | \$ 6,636,917                       | \$ -                                                                            | \$ 6,636,917         | Third/Local Party  | Residential   | Resource                 | Existing       | Residential Third Party Programs                  |  |
| PGE210132                                  | RSR The Smarter Water Heater                           | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Residential   | Resource                 | Closed         | Residential Third Party Programs                  |  |
| PGE210011                                  | Residential Energy Fitness Program                     | -               | \$ 5,079,706      | 3,746,883                                      | \$ 15,052,985                      | \$ -                                                                            | \$ 15,052,985        | Third/Local Party  | Residential   | Resource                 | Existing       | Residential Third Party Programs                  |  |
| PGE2101                                    | Commercial Third Party Programs SubTotal               | -               | \$ 27,827,481     | 15,767,690                                     | \$ 29,012,847                      | \$ -                                                                            | \$ 29,012,847        |                    |               |                          |                |                                                   |  |
| PGE210110                                  | Monitoring-Based Persistence Commissioning             | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210111                                  | LodgingSavers                                          | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210112                                  | School Energy Efficiency                               | -               | \$ 2,971,983      | 1,652,311                                      | \$ 2,790,852                       | \$ -                                                                            | \$ 2,790,852         | Third/Local Party  | Commercial    | Resource                 | Existing       | Commercial Third Party Programs                   |  |
| PGE210113                                  | Energy Fitness Program                                 | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210114                                  | Energy Savers                                          | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210115                                  | RightLights                                            | -               | \$ -              | 164                                            | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210116                                  | Small Business Commercial Comprehensive                | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210117                                  | Energy-Efficient Parking Garage                        | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210118                                  | Retail Energy Efficiency                               | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210119                                  | LED Accelerator                                        | -               | \$ 2,995,445      | 755,128                                        | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210120                                  | Monitoring-Based Commissioning                         | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210122                                  | Casino Green                                           | -               | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 | Third/Local Party  | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                   |  |
| PGE210123                                  | Healthcare Energy Efficiency Program                   | -               | \$ 2,244,672      | 279,666                                        | \$ 2,330,779                       | \$ -                                                                            | \$ 2,330,779         | Third/Local Party  | Commercial    | Resource                 | Existing       | Commercial Third Party Programs                   |  |

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Table 4 – Budget, Spent, Unspent, Carryover Details

| New/Existing Program # | Main Program Name / Sub-Program Name                                    | 18 Budget, Fundshifts and Spending to Date |                      |                                                | 2019 Proposed Budget               |                                                                                 |   | 2019 Funds Requested | Program Type                    | Market Sector | Resource or Non-resource | Program Status | Utility Grouping                                    |
|------------------------|-------------------------------------------------------------------------|--------------------------------------------|----------------------|------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------|---|----------------------|---------------------------------|---------------|--------------------------|----------------|-----------------------------------------------------|
|                        |                                                                         | 2018 Fundshifts                            | 2018 Total Budget    | 2018 Cycle Expenditures Spent as of 09/30/2018 | 2019 Proposed Budget [8] [13] [14] | 2019 Budget Offset from Pre-2018 and Estimated 2018 Unspent & Uncommitted Funds |   |                      |                                 |               |                          |                |                                                     |
| PGE210124              | Ozone Laundry Energy Efficiency                                         | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210125              | California Preschool Energy Efficiency Program                          | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210126              | K-12 Private Schools and Colleges Audit Retro                           | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210127              | Innovative Designs for Energy Efficiency Approaches (IDEA)              | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210128              | Enovity SMART                                                           | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210129              | Nexant AERCx                                                            | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210130              | CLEAResult AERCx                                                        | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210131              | PECT AERCx                                                              | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210132              | McKendry Laboratory Fume Hoods                                          | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210137              | Waypoint Commercial Outreach                                            | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Non-Resource             | Closed         | Commercial Third Party Programs                     |
| PGE210138              | Data Center Air Flow and Temp Optimization                              | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210139              | SEI Energize Schools Program                                            | -                                          | \$ 316,125           | 111,864                                        | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Non-Resource             | Closed         | Commercial Third Party Programs                     |
| PGE210140              | Mazzetti Dynamic Gas Scavenging System                                  | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210141              | Lincus Commercial Mid-Market Program                                    | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE210143              | Hospitality Program                                                     | -                                          | \$ 12,626,882        | 7,665,070                                      | \$ 16,021,373                      | \$ -                                                                            | - | \$ 16,021,373        | Third/Local Party               | Commercial    | Resource                 | Existing       | Commercial Third Party Programs                     |
| PGE21016               | Air Care Plus                                                           | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE21017               | Boiler Energy Efficiency Program                                        | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| PGE21018               | EnergySmart Grocer                                                      | -                                          | \$ 6,672,373         | 5,323,488                                      | \$ 7,869,842                       | \$ -                                                                            | - | \$ 7,869,842         | Third/Local Party               | Commercial    | Resource                 | Existing       | Commercial Third Party Programs                     |
| PGE21019               | Enhanced Automation Initiative                                          | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Commercial    | Resource                 | Closed         | Commercial Third Party Programs                     |
| <b>PGE2103</b>         | <b>Agricultural Third Party Programs SubTotal</b>                       | -                                          | <b>\$ 8,589,707</b>  | <b>2,662,799</b>                               | <b>\$ 5,974,787</b>                | <b>\$ -</b>                                                                     | - | <b>\$ 5,974,787</b>  |                                 |               |                          |                |                                                     |
| PGE210310              | Dairy Industry Resource Advantage Pgm                                   | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Agricultural  | Resource                 | Closed         | Agricultural Third Party Programs                   |
|                        | Process Wastewater Treatment EM Pgm for Ag Food Processing              | -                                          | \$ 988,763           | 65,716                                         | \$ 421,791                         | \$ -                                                                            | - | \$ 421,791           | Third/Local Party               | Agricultural  | Resource                 | Existing       | Agricultural Third Party Programs                   |
| PGE210312              | Dairy and Winery Industry Efficiency Solutions                          | -                                          | \$ 3,350,121         | 1,016,793                                      | \$ 2,298,225                       | \$ -                                                                            | - | \$ 2,298,225         | Third/Local Party               | Agricultural  | Resource                 | Existing       | Agricultural Third Party Programs                   |
| PGE210133              | Staples Low Pressure Irrigation OI                                      | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Agricultural  | Resource                 | Closed         | Agricultural Third Party Programs                   |
| PGE21035               | Dairy Energy Efficiency Program                                         | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Agricultural  | Resource                 | Closed         | Agricultural Third Party Programs                   |
| PGE21036               | Industrial Refrigeration Performance Plus                               | -                                          | \$ 692,777           | 21,552                                         | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Cross-Cutting | Resource                 | Closed         | Agricultural Third Party Programs                   |
| PGE21037               | Light Exchange Program                                                  | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Agricultural  | Resource                 | Closed         | Agricultural Third Party Programs                   |
| PGE21038               | Wine Industry Efficiency Solutions                                      | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Agricultural  | Resource                 | Closed         | Agricultural Third Party Programs                   |
| PGE21039               | Comprehensive Food Process Audit & Resource Efficiency Pgm              | -                                          | \$ 3,558,046         | 1,558,738                                      | \$ 3,254,771                       | \$ -                                                                            | - | \$ 3,254,771         | Third/Local Party               | Agricultural  | Resource                 | Existing       | Agricultural Third Party Programs                   |
| <b>PGE2102</b>         | <b>Industrial Third Party Programs SubTotal</b>                         | -                                          | <b>\$ 25,916,672</b> | <b>7,065,940</b>                               | <b>\$ 16,883,225</b>               | <b>\$ -</b>                                                                     | - | <b>\$ 16,883,225</b> |                                 |               |                          |                |                                                     |
| PGE21020               | Industrial Recommissioning Program                                      | -                                          | \$ 2,245,051         | 376,990                                        | \$ 2,873,214                       | \$ -                                                                            | - | \$ 2,873,214         | Third/Local Party               | Industrial    | Resource                 | Existing       | Industrial Third Party Programs                     |
| PGE21021               | Light Industrial Energy Efficiency                                      | -                                          | \$ 548,388           | 24,124                                         | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Industrial    | Resource                 | Closed         | Industrial Third Party Programs                     |
| PGE210212              | Industrial Compressed Air System Efficiency                             | -                                          | \$ 270,590           | 75,807                                         | \$ 518,911                         | \$ -                                                                            | - | \$ 518,911           | Third/Local Party               | Industrial    | Resource                 | Existing       | Industrial Third Party Programs                     |
| PGE210213              | Small Petrochemical Energy Efficiency                                   | -                                          | \$ 714,660           | 113,489                                        | \$ 516,403                         | \$ -                                                                            | - | \$ 516,403           | Third/Local Party               | Industrial    | Resource                 | Existing       | Industrial Third Party Programs                     |
| PGE21025               | California Wastewater Process Optimization                              | -                                          | \$ 1,227,756         | 159,690                                        | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Industrial    | Resource                 | Closed         | Industrial Third Party Programs                     |
| PGE21026               | Energy Efficiency Services for Oil Production                           | -                                          | \$ 3,737,735         | 929,827                                        | \$ 1,868,192                       | \$ -                                                                            | - | \$ 1,868,192         | Third/Local Party               | Industrial    | Resource                 | Existing       | Industrial Third Party Programs                     |
| PGE21027               | Heavy Industry Energy Efficiency Program                                | -                                          | \$ 13,179,841        | 3,876,615                                      | \$ 8,719,340                       | \$ -                                                                            | - | \$ 8,719,340         | Third/Local Party               | Industrial    | Resource                 | Existing       | Industrial Third Party Programs                     |
| PGE21028               | Industrial Compressed Air Program                                       | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Industrial    | Resource                 | Closed         | Industrial Third Party Programs                     |
| PGE21029               | Refinery Energy Efficiency Program                                      | -                                          | \$ 1,686,727         | 33,978                                         | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Industrial    | Resource                 | Closed         | Industrial Third Party Programs                     |
| PGE210135              | Lincus WISE                                                             | -                                          | \$ 2,327,364         | 1,474,814                                      | \$ 2,387,165                       | \$ -                                                                            | - | \$ 2,387,165         | Third/Local Party               | Industrial    | Resource                 | Existing       | Industrial Third Party Programs                     |
| PGE210142              | Ameresco Intelligent Energy Efficiency                                  | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Industrial    | Resource                 | Closed         | Industrial Third Party Programs                     |
| <b>PGE2107</b>         | <b>Workforce Education &amp; Training Third Party Programs SubTotal</b> | -                                          | <b>\$ -</b>          | <b>\$ -</b>                                    | <b>\$ -</b>                        | <b>\$ -</b>                                                                     | - | <b>\$ -</b>          |                                 |               |                          |                |                                                     |
| PGE21074               | Builder Energy Code Training                                            | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Cross-Cutting | Non-Resource             | Closed         | Workforce Education & Training Third Party Programs |
| PGE21075               | Green Building Technical Support Services                               | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Cross-Cutting | Non-Resource             | Closed         | Workforce Education & Training Third Party Programs |
| PGE210134              | Bridges to Energy Sector Opportunities                                  | -                                          | \$ -                 | -                                              | \$ -                               | \$ -                                                                            | - | \$ -                 | Third/Local Party               | Cross-Cutting | Non-Resource             | Closed         | Workforce Education & Training Third Party Programs |
| <b>PGE2110</b>         | <b>Government Partnership Programs Total</b>                            | -                                          | <b>\$ 72,368,174</b> | <b>34,209,205</b>                              | <b>\$ 40,669,461</b>               | <b>\$ -</b>                                                                     | - | <b>\$ 40,669,461</b> |                                 |               |                          |                |                                                     |
| PGE2110011             | California Community Colleges                                           | -                                          | \$ 4,448,102         | 1,347,438                                      | \$ 1,113,331                       | \$ -                                                                            | - | \$ 1,113,331         | State Institutional Partnership | Public        | Resource                 | Existing       | Institutional Partnerships                          |
| PGE2110012             | University                                                              | -                                          | \$ 4,703,997         | 1,755,124                                      | \$ 937,464                         | \$ -                                                                            | - | \$ 937,464           | State Institutional Partnership | Public        | Resource                 | Existing       | Institutional Partnerships                          |
| PGE2110013             | State of California                                                     | -                                          | \$ 1,005,394         | (10,887)                                       | \$ 931,841                         | \$ -                                                                            | - | \$ 931,841           | State Institutional Partnership | Public        | Resource                 | Existing       | Institutional Partnerships                          |
| PGE2110014             | Department of Corrections and Rehabilitation                            | -                                          | \$ 1,677,562         | 655,632                                        | \$ 1,086,976                       | \$ -                                                                            | - | \$ 1,086,976         | State Institutional Partnership | Public        | Resource                 | Existing       | Institutional Partnerships                          |
| PGE2110051             | Local Government Energy Action Resources (LGEAR)                        | -                                          | \$ 6,059,173         | 1,835,596                                      | \$ -                               | \$ -                                                                            | - | \$ -                 | Local Government Partnership    | Public        | Resource                 | Closed         | Master Government Partnership                       |
| PGE2110052             | Strategic Energy Resources                                              | -                                          | \$ 9,632,258         | 4,654,040                                      | \$ 5,554,039                       | \$ -                                                                            | - | \$ 5,554,039         | Local Government Partnership    | Public        | Non-Resource             | Existing       | Master Government Partnership                       |
| PGE211007              | Association of Monterey Bay Area Governments (AMBAAG)                   | -                                          | \$ 3,744,061         | 2,411,994                                      | \$ 3,576,277                       | \$ -                                                                            | - | \$ 3,576,277         | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211009              | East Bay                                                                | -                                          | \$ 6,129,105         | 3,411,471                                      | \$ 3,189,040                       | \$ -                                                                            | - | \$ 3,189,040         | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211010              | Fresno                                                                  | -                                          | \$ 2,648,728         | 1,197,291                                      | \$ 2,759,465                       | \$ -                                                                            | - | \$ 2,759,465         | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211011              | Kern                                                                    | -                                          | \$ 2,725,208         | 1,775,765                                      | \$ 2,324,632                       | \$ -                                                                            | - | \$ 2,324,632         | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211012              | Madera                                                                  | -                                          | \$ 363,621           | 172,892                                        | \$ 299,630                         | \$ -                                                                            | - | \$ 299,630           | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211013              | Main County                                                             | -                                          | \$ 1,271,550         | 451,090                                        | \$ 868,459                         | \$ -                                                                            | - | \$ 868,459           | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211014              | Mendocino/Lake County                                                   | -                                          | \$ 711,132           | 507,350                                        | \$ 537,440                         | \$ -                                                                            | - | \$ 537,440           | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211015              | Napa County                                                             | -                                          | \$ 587,007           | 217,272                                        | \$ 356,669                         | \$ -                                                                            | - | \$ 356,669           | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211016              | Redwood Coast                                                           | -                                          | \$ 1,398,179         | 826,180                                        | \$ 1,226,970                       | \$ -                                                                            | - | \$ 1,226,970         | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211018              | San Luis Obispo County                                                  | -                                          | \$ 1,076,601         | 579,045                                        | \$ 990,181                         | \$ -                                                                            | - | \$ 990,181           | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211019              | San Mateo County                                                        | -                                          | \$ 2,279,756         | 955,668                                        | \$ 1,073,415                       | \$ -                                                                            | - | \$ 1,073,415         | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211020              | Santa Barbara                                                           | -                                          | \$ 1,008,901         | 375,763                                        | \$ 606,943                         | \$ -                                                                            | - | \$ 606,943           | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211021              | Sierra Nevada                                                           | -                                          | \$ 2,422,994         | 747,745                                        | \$ 944,354                         | \$ -                                                                            | - | \$ 944,354           | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211022              | Sonoma County                                                           | -                                          | \$ 1,756,500         | 1,849,781                                      | \$ 1,632,927                       | \$ -                                                                            | - | \$ 1,632,927         | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |
| PGE211023              | Silicon Valley                                                          | -                                          | \$ 3,762,183         | 2,236,481                                      | \$ 3,107,863                       | \$ -                                                                            | - | \$ 3,107,863         | Local Government Partnership    | Public        | Resource                 | Existing       | Government Partnership Programs                     |



PA Name: Pacific Gas and Electric Company  
Budget Year: 2019

Table 4 – Budget, Spent, Unspent, Carryover Details

| New/Existing Program # | Main Program Name / Sub-Program Name                                                | 18 Budget, Fundshifts and Spending to Date |                   |                                                | 2019 Proposed Budget               |                                                                                 |                      | Program Type                 | Market Sector | Resource or Non-resource | Program Status | Utility Grouping                |
|------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|-------------------|------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------|----------------------|------------------------------|---------------|--------------------------|----------------|---------------------------------|
|                        |                                                                                     | 2018 Fundshifts                            | 2018 Total Budget | 2018 Cycle Expenditures Spent as of 09/30/2018 | 2019 Proposed Budget [8] [13] [14] | 2019 Budget Offset from Pre-2018 and Estimated 2018 Unspent & Uncommitted Funds | 2019 Funds Requested |                              |               |                          |                |                                 |
| PGE211024              | San Francisco                                                                       | -                                          | \$ 6,315,049      | 3,326,138                                      | \$ 3,783,713                       | \$ -                                                                            | \$ 3,783,713         | Local Government Partnership | Public        | Resource                 | Existing       | Government Partnership Programs |
| PGE211026              | North Valley                                                                        | -                                          | \$ 1,898,230      | 301,140                                        | \$ 466,473                         | \$ -                                                                            | \$ 466,473           | Local Government Partnership | Public        | Resource                 | Existing       | Government Partnership Programs |
| PGE211027              | Sutter Buttes                                                                       | -                                          | \$ 495,328        | 226,587                                        | \$ 155,120                         | \$ -                                                                            | \$ 155,120           | Local Government Partnership | Public        | Resource                 | Existing       | Government Partnership Programs |
| PGE211028              | Yolo                                                                                | -                                          | \$ 415,574        | 64,055                                         | \$ 460,953                         | \$ -                                                                            | \$ 460,953           | Local Government Partnership | Public        | Resource                 | Existing       | Government Partnership Programs |
| PGE211029              | Solano                                                                              | -                                          | \$ 1,480,725      | 1,161,395                                      | \$ 1,136,345                       | \$ -                                                                            | \$ 1,136,345         | Local Government Partnership | Public        | Resource                 | Existing       | Government Partnership Programs |
| PGE211030              | Northern San Joaquin Valley                                                         | -                                          | \$ 1,455,492      | 875,555                                        | \$ 982,143                         | \$ -                                                                            | \$ 982,143           | Local Government Partnership | Public        | Resource                 | Existing       | Government Partnership Programs |
| PGE211031              | Valley Innovative Energy Watch (VIEW)                                               | -                                          | \$ 725,163        | 261,606                                        | \$ 566,596                         | \$ -                                                                            | \$ 566,596           | Local Government Partnership | Public        | Resource                 | Existing       | Government Partnership Programs |
|                        | Funds to be returned in rates [4]                                                   | -                                          | \$ -              | -                                              | \$ -                               | \$ 157,019,890                                                                  | \$ (157,019,890)     |                              |               |                          |                |                                 |
|                        | 2013-2015 funds transferred to REN and CCA balancing accounts for 2016 [6]          | -                                          | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 |                              |               |                          |                |                                 |
|                        | Pre-2013 Unspent Funds transferred to 2016 Commercial Deemed Incentives program [3] | -                                          | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 |                              |               |                          |                |                                 |
|                        | PG&E PROGRAM TOTAL                                                                  | \$ -                                       | \$ 352,460,723    | 189,788,201                                    | 281,488,322                        | \$ 157,019,890                                                                  | \$ 124,468,432       |                              |               |                          |                |                                 |
| EM&V                   | EM&V (PA & CPUC Portions) Total                                                     | \$ -                                       | \$ 16,522,072     | \$ 3,118,911                                   | \$ 13,727,879                      | \$ -                                                                            | \$ 13,727,879        |                              |               |                          |                |                                 |
| PGE_EMV                | PG&E EM&V - CPUC                                                                    | -                                          | \$ 11,055,064     | 411,819                                        | \$ 8,911,106                       | \$ -                                                                            | \$ 8,911,106         | EM&V                         | Cross Cutting | Non-Resource             | Existing       | EM&V                            |
| PGE_EMV                | PG&E EM&V - PG&E                                                                    | -                                          | \$ 4,193,300      | 2,318,198                                      | \$ 3,380,075                       | \$ -                                                                            | \$ 3,380,075         | EM&V                         | Cross Cutting | Non-Resource             | Existing       | EM&V                            |
| PGE_EMV                | BayREN EM&V - CPUC                                                                  | -                                          | \$ 675,609        | 388,894                                        | \$ 711,618                         | \$ -                                                                            | \$ 711,618           | EM&V                         | Cross Cutting | Non-Resource             | Existing       | EM&V                            |
| PGE_EMV                | BayREN EM&V                                                                         | -                                          | \$ 256,266        | -                                              | \$ 269,924                         | \$ -                                                                            | \$ 269,924           | EM&V                         | Cross Cutting | Non-Resource             | Existing       | EM&V                            |
| PGE_EMV                | MCE EM&V - CPUC                                                                     | -                                          | \$ 247,829        | -                                              | \$ 247,829                         | \$ -                                                                            | \$ 247,829           | EM&V                         | Cross Cutting | Non-Resource             | Existing       | EM&V                            |
| PGE_EMV                | MCE EM&V                                                                            | -                                          | \$ 94,004         | -                                              | \$ 94,004                          | \$ -                                                                            | \$ 94,004            | EM&V                         | Cross Cutting | Non-Resource             | Existing       | EM&V                            |
| PGE_EMV                | 3C REN EM&V - CPUC                                                                  | -                                          | \$ -              | -                                              | \$ 82,160                          | \$ -                                                                            | \$ 82,160            | EM&V                         | Cross Cutting | Non-Resource             | Existing       | EM&V                            |
| PGE_EMV                | 3C REN EM&V                                                                         | -                                          | \$ -              | -                                              | \$ 31,164                          | \$ -                                                                            | \$ 31,164            | EM&V                         | Cross Cutting | Non-Resource             | Existing       | EM&V                            |
|                        | PG&E TOTAL with EM&V                                                                | -                                          | \$ 368,982,795    | 192,907,112                                    | \$ 295,216,201                     | \$ 157,019,890                                                                  | \$ 136,196,311       |                              |               |                          |                |                                 |
| PGE_BayREN             | BayREN [10]                                                                         | -                                          | \$ 22,365,000     | 9,477,007                                      | \$ 23,557,000                      | \$ -                                                                            | \$ 23,557,000        | REN                          | Cross Cutting | Resource                 | Existing       | REN                             |
| PGE_MCE                | Marin Clean Energy [10]                                                             | -                                          | \$ 8,204,000      | 830,006                                        | \$ 8,204,000                       | \$ 499,483                                                                      | \$ 7,704,517         | CCA                          | Cross Cutting | Resource                 | Existing       | CCA                             |
| PGE_3C REN             | 3C REN [10]                                                                         | -                                          | \$ -              | -                                              | \$ 2,719,766                       | \$ -                                                                            | \$ 2,719,766         | REN                          | Cross Cutting | Resource                 | New            | REN                             |
|                        | TOTAL PG&E EE EXPENSE PORTFOLIO                                                     | \$ -                                       | \$ 399,551,795    | \$ 203,214,128                                 | \$ 329,696,967                     | \$ 157,519,373                                                                  | \$ 172,177,594       |                              |               |                          |                |                                 |
| PGE21091LP             | OBF REVOLVING LOAN POOL                                                             | -                                          | \$ 13,500,000     | 15,496,270                                     | \$ 13,500,000                      | \$ -                                                                            | \$ 13,500,000        | IOU Core/Statewide           | Cross-Cutting | Non-Resource             | Existing       | Financing Programs              |
|                        | TOTAL PG&E EE PORTFOLIO                                                             | -                                          | \$ 413,051,795    | 218,710,395                                    | \$ 343,196,967                     | \$ 157,519,373                                                                  | \$ 185,677,594       |                              |               |                          |                |                                 |
|                        | Other EE-Related Budgets                                                            |                                            |                   |                                                |                                    |                                                                                 |                      |                              |               |                          |                |                                 |
| PGE_SWMEO              | Statewide Marketing, Education and Outreach Program Total                           | -                                          | \$ 6,840,979      | 3,412,261                                      | \$ 6,840,978                       | \$ -                                                                            | \$ 6,840,978         |                              |               |                          |                |                                 |
| PGE_SWMEO              | Statewide Marketing, Education and Outreach Program (Flex Aler) [11]                | -                                          | \$ -              | -                                              | \$ -                               | \$ -                                                                            | \$ -                 |                              |               |                          |                |                                 |
| PGE_SWMEO              | Statewide Marketing, Education and Outreach Program [11]                            | -                                          | \$ 6,840,979      | 3,412,261                                      | \$ 6,840,978                       | \$ -                                                                            | \$ 6,840,978         |                              |               |                          |                |                                 |

Notes:

- "2015 Total Budget with Commitments & Fundshifts" reflects funds available for 2015, from the authorized 2013-2015 Budget, less the spending in 2013 - 2014 from the 2013 - 2015 Budget.
- "2015 Total Budget Spent" includes spending in 2015 paid from the 2013 - 2015 Budget.
- "Requested Carry Over of pre-2013 Unspent Funds to 2016" identifies the funds PG&E is requesting to carry over to 2016 in supplemental Advice 3752-G-B/4905-E-B, which was approved on November 2, 2016. In addition to the amounts identified at the subprogram level in column G, PG&E was approved authorization to shift \$9.9m of pre-2013 unspent funds into the Commercial Deemed Incentive program 2016 budget.
- The CPUC approved AL 3718-G/4852-E on July 11, 2016, authorizing PG&E to return a total of \$43,024,401.85 in unspent, uncommitted energy efficiency funds from its 2013-2015 program cycle to its customers; PG&E implemented this through a one-time adjustment to its gas and electric EE balancing accounts.
- Commitments as of 12/31/2015 (column I), 12/31/2016 (column R), and 12/31/2017 (column Y) includes incentive Commitments as of the end of the year indicated. Contractual encumbrances are not reflected. BayREN and MCE Carry Over figures represent the level of funds in PG&E's balancing accounts; this may include BayREN expenses or MCE gas expenses not yet invoiced to or accrued by PG&E as of the year indicated; the remainder is the amount potentially available for carry over; these may not match MCE or BayREN submissions.
- 2013-2015 Unspent/Committed Funds, Carryover to 2016" Identifies unspent, committed funds that are carried over into 2016 and augment the 2016 budget, in accordance with D.12-11-015, as follows:  
New Financing Offerings: In D. 15-06-008, the Commission ordered that PG&E operate for a minimum of 24 months from the point at which each pilot program enrolls its first loan. The Pilots have begun enrolling loans in 2016 indicating that the pilots will run until at least 2018. New financing pilot subprogram funds collected during 2013-2014 period are being carried over to continue to operate during this compliance period.  
Funds Transferred to REN and CCA balancing accounts: In D.16-05-004 (petition to modify D.14-10-046), effective May 12, 2016, the Commission authorized for Marin Clean Energy (MCE) an annual budget increase of \$366,080 for the duration of the ten-year rolling portfolio cycle unless and until modified by the Commission. The CPUC approved AL 3718-G/4852-E on July 11, 2016, authorizing PG&E to use unspent 2013-2015 unspent funds to fund the increase in MCE's 2016 budget. Advice Letter 3704-G/4826-E, effective April 29, 2016, authorized for BayREN a one-time budget increase of \$3,700,000 transferred from unspent 2013-2015 cycle EE funds to the 2016 cycle.  
Marin Clean Energy: MCE's 2015 authorized gas budget included \$419,000. The Commission authorized a gas budget of \$219,000 in D.14-10-046 and augmented the gas budget by \$200,000 per PG&E Advice 3642-G/4720-E, filed 10/15/2015, approved 10/28/2015. After \$382,818 of gas payments from PG&E to MCE, \$36,182 is available for carryover to 2016.
- "Pre-2016 unspent/uncommitted funds available for 2017 offset" identifies 2013-2015 cycle unspent funds at the program level. The balancing account transfer for \$43 million of funds refunded to customers based on Advice Letter 3718-G/4852-E is identified on Row 154. Unspent funds from 2009 and 2010-2012 are represented in Column G. In 2017 PG&E recorded a one-time electric EE balancing account adjustment of \$230,474 crediting customer rates for unspent 2015-2016 Marin Clean Energy Electric funds. In the 2018 ABAL, it had been pointed out that of the \$230,474, a refund should have occurred in the amount of \$311,915 from the 2016 cycle, while an increase of \$81,441 should have been applied to the 2013-2015 cycle.
- "2019 Proposed Budget" reflects the budget request for 2019, which differs from the collections requested through this advice letter of approximately \$408.8 million.
- Advice Letter 3589-G-C/4624-E-C, approved June 29, 2015, effective June 25, 2015 established the Energy Efficiency Financing Balancing Account (EEFBA), and the Credit Enhancement Balance Account (CEBA) and the On-Bill Financing Balancing Account (OBFA) subaccounts. The \$14 million referenced in cell H57 was transferred to the CEBA subaccount.
- BayREN, MCE and 3C-REN figures generally represent the level of funds in PG&E's balancing accounts and may not match MCE or BayREN submissions.
- Statewide ME&O budgets for 2017 through 2019 were approved in Advice Letter 3783-G/4963-E on January 23, 2017, effective November 28, 2016. The portion of SW ME&O allocated to EE is reflected in PG&E's cost effectiveness calculations.
- The "2018 Authorized Budget" in Table 4 represents PG&E's 2018 CEDARS filing budget at the subprogram level detail, and BayREN and MCE's approved budgets per the Business Plan Decision D.18-05-041. This budget is lower than PG&E's 2018 portfolio budget of \$416,713,780, also approved in D.18-05-041. Subprogram level detail is unavailable in the approved Business Plan budget.
- 2019 BayREN and MCE budgets are the authorized amounts from the Business Plan decision D.18-05-041, with their EM&V budgets increased to be 4% of their total budget.
- 2019 3C-REN budget is the proposed contribution for PG&E as circulated by 3C-REN on August 28, 2018, which includes 4% EM&V.

**PA Name:** Pacific Gas and Electric Company  
**Budget Year:** 2019

**Table 5 - Total 2019 Requested and 2013-2018 Authorized Budgets (\$000)**

| Category (2013-18 Authorized and 2019 Request) [1] | Electric Demand Response Funds | Electric Energy Efficiency Funds | Natural Gas Public Purpose Funds | Total Energy Efficiency Funds |
|----------------------------------------------------|--------------------------------|----------------------------------|----------------------------------|-------------------------------|
| 2013-2015 Annualized Program Funds - Utility       | \$3,264                        | \$321,712                        | \$70,620                         | \$392,331                     |
| 2013-2015 Annualized Program Funds - REN           |                                | \$9,725                          | \$2,135                          | \$11,860                      |
| 2013-2015 Annualized Program Funds - MCE           |                                | \$1,431                          | \$314                            | \$1,745                       |
| 2013-2015 Annualized EM&V                          |                                | \$14,073                         | \$3,089                          | \$17,162                      |
| <b>2013-2015 Total Annualized Portfolio</b>        | <b>\$3,264</b>                 | <b>\$346,941</b>                 | <b>\$76,158</b>                  | <b>\$423,099</b>              |
| 2016 Program Funds - Utility                       | \$3,264                        | \$327,056                        | \$71,793                         | \$398,849                     |
| 2016 Program Funds - REN                           |                                | \$13,560                         | \$2,977                          | \$16,537                      |
| 2016 Program Funds - MCE                           |                                | \$1,301                          | \$286                            | \$1,586                       |
| 2016 EM&V                                          |                                | \$14,108                         | \$3,097                          | \$17,204                      |
| <b>2016 Annualized Total</b>                       | <b>\$3,264</b>                 | <b>\$356,025</b>                 | <b>\$78,152</b>                  | <b>\$434,177</b>              |
| 2017 Program Funds - Utility                       | \$3,264                        | \$327,271                        | \$62,337                         | \$389,609                     |
| 2017 Program Funds - REN                           |                                | \$13,891                         | \$2,646                          | \$16,537                      |
| 2017 Program Funds - MCE                           |                                | \$1,333                          | \$254                            | \$1,586                       |
| 2017 EM&V                                          |                                | \$14,271                         | \$2,718                          | \$16,989                      |
| <b>2017 Annualized Total</b>                       | <b>\$3,264</b>                 | <b>\$356,766</b>                 | <b>\$67,955</b>                  | <b>\$424,721</b>              |
| 2018 Program Funds - Utility                       | \$3,264                        | \$263,492                        | \$102,469                        | \$365,961                     |
| 2018 Program Funds - REN                           |                                | \$18,787                         | \$3,578                          | \$22,365                      |
| 2018 Program Funds - MCE                           |                                | \$6,891                          | \$1,313                          | \$8,204                       |
| 2018 EM&V                                          |                                | \$13,879                         | \$2,644                          | \$16,522                      |
| <b>2018 Annualized Total</b>                       | <b>\$3,264</b>                 | <b>\$303,048</b>                 | <b>\$110,004</b>                 | <b>\$413,052</b>              |
| 2019 Requested Program Funds - Utility             | \$7,771                        | \$221,241                        | \$73,747                         | \$294,988                     |
| 2019 Requested Program Funds - REN                 |                                | \$17,668                         | \$5,889                          | \$23,557                      |
| 2019 Requested Program Funds - MCE                 |                                | \$6,153                          | \$2,051                          | \$8,204                       |
| 2019 Requested Program Funds - 3C-REN              |                                | \$2,040                          | \$680                            | \$2,720                       |
| 2019 Requested EM&V                                |                                | \$10,296                         | \$3,432                          | \$13,728                      |
| <b>2019 Total Portfolio Request</b>                | <b>\$7,771</b>                 | <b>\$257,398</b>                 | <b>\$85,799</b>                  | <b>\$343,197</b>              |

**PA Name:** Pacific Gas and Electric Company  
**Budget Year:** 2019

**Table 6 - Accrued Energy Efficiency Program Funding Not Yet Spent**

| <b>Committed funds not yet spent as of Sept. 30, 2018<br/>(\$000)</b> | <b>Electric Procurement<br/>Funds</b> | <b>Natural Gas Public<br/>Purpose Funds</b> | <b>Total</b>     |
|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------------|------------------|
| <b>Category</b>                                                       |                                       |                                             |                  |
| 2013-2015 EM&V Funds                                                  | \$3,770                               | \$827                                       | \$4,597          |
| 2013-2015 Program Funds - Utility                                     | \$3,412                               | \$749                                       | \$4,161          |
| 2013-2015 Program Funds - REN                                         | \$3,084                               | \$677                                       | \$3,761          |
| 2013-2015 Program Funds - CCA                                         | \$30                                  | \$7                                         | \$36             |
| 2016 EM&V Funds                                                       | \$12,852                              | \$2,821                                     | \$15,673         |
| 2016 Program Funds - Utility                                          | \$0                                   | \$0                                         | \$0              |
| 2016 Program Funds - REN                                              | \$0                                   | \$0                                         | \$0              |
| 2016 Program Funds - CCA                                              | \$86                                  | \$19                                        | \$105            |
| 2017 EM&V Funds                                                       | \$12,162                              | \$2,317                                     | \$14,479         |
| 2017 Program Funds - Utility [1]                                      | \$9,755                               | \$1,858                                     | \$11,613         |
| 2017 Program Funds - REN                                              | \$36                                  | \$7                                         | \$43             |
| 2017 Program Funds - CCA                                              | \$0                                   | \$0                                         | \$0              |
| 2018 to date EM&V Funds                                               | \$10,823                              | \$2,062                                     | \$12,885         |
| 2018 to date Program Funds - Utility [2]                              | \$43,519                              | \$8,289                                     | \$51,808         |
| 2018 to date Program Funds - REN                                      | \$10,826                              | \$2,062                                     | \$12,888         |
| 2018 to date Program Funds - CCA                                      | \$59                                  | \$11                                        | \$70             |
| <b>Total</b>                                                          | <b>\$110,412</b>                      | <b>\$21,706</b>                             | <b>\$132,118</b> |

**PA Name:** Pacific Gas and Electric Company

**Budget Year:** 2019

**Table 7 - 2017 Authorized and Spent/Unspent Detail**

| <b>Authorized, spent and unspent program funds<br/>(Excludes EM&amp;V and OBF Loans)<br/>(\$000)</b> | <b>Electric<br/>Procurement<br/>Funds</b> | <b>Natural Gas<br/>Public Purpose<br/>Funds</b> |              |
|------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------|--------------|
| <b>Category</b>                                                                                      |                                           |                                                 | <b>Total</b> |
| 2017 Annualized Authorized Program Budget                                                            | \$331,155                                 | \$63,077                                        | \$394,232    |
| Funds Transferred from Pre-2013 Cycles [1]                                                           | \$18,865                                  | \$3,593                                         | \$22,458     |
| 2017 Actual Spent                                                                                    | \$263,631                                 | \$50,215                                        | \$313,847    |
| 2017 Unspent                                                                                         | \$86,389                                  | \$16,455                                        | \$102,843    |
| 2017 Committed funds [2]                                                                             | \$9,980                                   | \$1,901                                         | \$11,881     |
| 2017 Unspent/uncommitted - estimated available for<br>2019 [3]                                       | \$76,408                                  | \$14,554                                        | \$90,962     |

[1] On November 2, 2016, PG&E's request to carry over \$22.458 million of pre-2013 unspent funds to the 2016 cycle, was approved in AL 3752-G-B/4905-E-B. The funds were transferred in March 2017.

[2] Represents unspent and committed Financing Pilots and BayREN funds carry forward; and funds committed for possible contingencies that may be refunded in future periods.

[3] Excludes \$1,232,000 of interest accrued in the balancing account.

**PG&E Gas and Electric  
Advice Filing List  
General Order 96-B, Section IV**

|                                               |                                                           |                                                            |
|-----------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|
| AT&T                                          | Downey & Brand                                            | Pioneer Community Energy                                   |
| Albion Power Company                          | Ellison Schneider & Harris LLP                            | Praxair                                                    |
| Alcantar & Kahl LLP                           | Energy Management Service                                 | Regulatory & Cogeneration Service, Inc.                    |
| Anderson & Poole                              | Evaluation + Strategy for Social Innovation               | SCD Energy Solutions                                       |
| Atlas ReFuel                                  | GenOn Energy, Inc.                                        | SCE                                                        |
| BART                                          | Goodin, MacBride, Squeri, Schlotz & Ritchie               | SDG&E and SoCalGas                                         |
| Barkovich & Yap, Inc.                         | Green Charge Networks                                     | SPURR                                                      |
| Braun Blasing Smith Wynne P.C.                | Green Power Institute                                     | San Francisco Water Power and Sewer                        |
| CalCom Solar                                  | Hanna & Morton                                            | Seattle City Light                                         |
| California Cotton Ginners & Growers Assn      | ICF                                                       | Sempra Utilities                                           |
| California Energy Commission                  | International Power Technology                            | Southern California Edison Company                         |
| California Public Utilities Commission        | Intestate Gas Services, Inc.                              | Southern California Gas Company                            |
| California State Association of Counties      | Kelly Group                                               | Spark Energy                                               |
| Calpine                                       | Ken Bohn Consulting                                       | Sun Light & Power                                          |
| Casner, Steve                                 | Keyes & Fox LLP                                           | Sunshine Design                                            |
| Cenergy Power                                 | Leviton Manufacturing Co., Inc.                           | Tecogen, Inc.                                              |
| Center for Biological Diversity               | Linde                                                     | TerraVerde Renewable Partners                              |
| City of Palo Alto                             | Los Angeles County Integrated Waste Management Task Force | Tiger Natural Gas, Inc.                                    |
| City of San Jose                              | Los Angeles Dept of Water & Power                         | TransCanada                                                |
| Clean Power Research                          | MRW & Associates                                          | Troutman Sanders LLP                                       |
| Coast Economic Consulting                     | Manatt Phelps Phillips                                    | Utility Cost Management                                    |
| Commercial Energy                             | Marin Energy Authority                                    | Utility Power Solutions                                    |
| County of Tehama - Department of Public Works | McKenzie & Associates                                     | Utility Specialists                                        |
| Crossborder Energy                            | Modesto Irrigation District                               | Verizon                                                    |
| Crown Road Energy, LLC                        | Morgan Stanley                                            | Water and Energy Consulting                                |
| Davis Wright Tremaine LLP                     | NLine Energy, Inc.                                        | Wellhead Electric Company                                  |
| Day Carter Murphy                             | NRG Solar                                                 | Western Manufactured Housing Communities Association (WMA) |
| Dept of General Services                      | Office of Ratepayer Advocates                             | Yep Energy                                                 |
| Don Pickett & Associates, Inc.                | OnGrid Solar                                              |                                                            |
| Douglass & Liddell                            | Pacific Gas and Electric Company                          |                                                            |