
Pacific Gas and Electric Company Monthly Report On Interruptible Load and Demand Response
Programs for December 2019



January 21, 2020
Public

Pacific Gas and Electric Company (“PG&E”) hereby submits this report on Interruptible Load and Demand Response Programs for December 2019. This report is being sent to the Energy Division via EnergyDivisionCentralFiles@cpuc.ca.gov and served on the service list for A.11-03-001

<http://www.pge.com/mybusiness/energysavingsrebates/demandresponse/cs/>

Table I-1
Pacific Gas and Electric Company
Interruptible and Price Responsive Programs
Subscription Statistics - Enrolled MW
December 2019

UTILITY NAME: Pacific Gas and Electric Company
 Monthly Program Enrollment and Estimated Load Impacts

| PROGRAMS | January | | | February | | | March | | | April | | | May | | | June | | | Eligible Accounts as of Jan 1, 2019 |
|--|-------------------------------|----------------------|----------------------|-------------------------------|----------------------|----------------------|-------------------------------|----------------------|----------------------|-------------------------------|----------------------|----------------------|------------------|-----------------------------------|----------------------|------------------|----------------------|----------------------|-------------------------------------|
| | Service Accounts ⁵ | Ex Ante Estimated MW | Ex Post Estimated MW | Service Accounts ⁵ | Ex Ante Estimated MW | Ex Post Estimated MW | Service Accounts ⁵ | Ex Ante Estimated MW | Ex Post Estimated MW | Service Accounts ⁵ | Ex Ante Estimated MW | Ex Post Estimated MW | Service Accounts | Ex Ante Estimated MW ⁶ | Ex Post Estimated MW | Service Accounts | Ex Ante Estimated MW | Ex Post Estimated MW | |
| PILOT PROGRAMS ¹ | | | | | | | | | | | | | | | | | | | |
| SSP II (Load Decrease) | | | | | | | | | | | | | | | | | | | |
| Non-Residential ⁴ | 34 | N/A | N/A | 36 | N/A | N/A | 37 | N/A | N/A | 39 | N/A | N/A | 39 | N/A | N/A | 39 | N/A | N/A | N/A |
| Residential | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | N/A |
| XSP (Load Increase) | | | | | | | | | | | | | | | | | | | |
| Non-Residential | 9 | N/A | N/A | 9 | N/A | N/A | 9 | N/A | N/A | 10 | N/A | N/A | 10 | N/A | N/A | 11 | N/A | N/A | N/A |
| Residential | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | N/A |
| INTERRUPTIBLE RELIABILITY PROGRAMS ³ | | | | | | | | | | | | | | | | | | | |
| BIP - Day Of | 420 | 209 | 218 | 419 | 215 | 217 | 420 | 224 | 218 | 423 | 241 | 220 | 430 | 259 | 223 | 453 | 287 | 235 | 10,935 |
| OBMC | 16 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | N/A |
| SLRP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A |
| SmartAC™ - Commercial | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A |
| SmartAC™ - Residential | 108,211 | 0 | 34 | 107,354 | 0 | 33 | 106,475 | 0 | 33 | 105,533 | 0 | 33 | 104,475 | 32 | 32 | 103,390 | 51 | 32 | N/A |
| Sub-Total Interruptible | 108,647 | 209 | 252 | 107,789 | 215 | 251 | 106,911 | 224 | 251 | 105,972 | 241 | 252 | 104,921 | 290 | 256 | 103,859 | 338 | 267 | |
| PRICE-RESPONSIVE PROGRAMS ² | | | | | | | | | | | | | | | | | | | |
| CBP - Day Ahead | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 427 | 17 | 19 | 563 | 23 | 25 | 603,881 |
| PDP (200 kW or above) | 1,543 | 8 | 22 | 1,428 | 8 | 20 | 1,410 | 8 | 20 | 1,401 | 8 | 20 | 1,373 | 8 | 19 | 1,361 | 7 | 19 | 7,299 |
| PDP (above 20 kW & below 200 kW) | 29,937 | 0 | 4 | 27,979 | 0 | 4 | 27,691 | 0 | 4 | 27,355 | 0 | 4 | 26,871 | -5 | 4 | 25,348 | 0 | 4 | 95,833 |
| PDP (20 kW or below) | 105,256 | 0 | 0 | 104,326 | 0 | 0 | 103,605 | 0 | 0 | 102,598 | 0 | 0 | 100,269 | 0 | 0 | 92,203 | 0 | 0 | 315,414 |
| SmartRate™ - Residential | 88,309 | 2 | 14 | 77,281 | 2 | 12 | 76,503 | 2 | 12 | 66,544 | 4 | 11 | 66,552 | 6 | 11 | 66,531 | 9 | 11 | N/A |
| Sub-Total Price Response | 225,045 | 10 | 40 | 211,014 | 10 | 37 | 209,209 | 10 | 36 | 197,898 | 12 | 34 | 195,492 | 26 | 53 | 186,006 | 39 | 58 | |
| Total All Programs | 333,692 | 219 | 292 | 318,803 | 225 | 287 | 316,120 | 234 | 287 | 303,870 | 253 | 287 | 300,413 | 316 | 308 | 289,865 | 377 | 326 | |
| July | | | | | | | | | | | | | | | | | | | |
| Programs | Service Accounts | Ex Ante Estimated MW | Ex Post Estimated MW | Service Accounts | Ex Ante Estimated MW | Ex Post Estimated MW | Service Accounts | Ex Ante Estimated MW | Ex Post Estimated MW | Service Accounts | Ex Ante Estimated MW | Ex Post Estimated MW | Service Accounts | Ex Ante Estimated MW | Ex Post Estimated MW | Service Accounts | Ex Ante Estimated MW | Ex Post Estimated MW | Eligible Accounts as of Jan 1, 2019 |
| PILOT PROGRAMS ¹ | | | | | | | | | | | | | | | | | | | |
| SSP II (Load Decrease) | | | | | | | | | | | | | | | | | | | |
| Non-Residential ⁴ | 39 | N/A | N/A | 39 | N/A | N/A | 39 | N/A | N/A | 39 | N/A | N/A | 39 | N/A | N/A | 39 | N/A | N/A | N/A |
| Residential | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | N/A |
| XSP (Load Increase) | | | | | | | | | | | | | | | | | | | |
| Non-Residential | 11 | N/A | N/A | 11 | N/A | N/A | 11 | N/A | N/A | 11 | N/A | N/A | 11 | N/A | N/A | 11 | N/A | N/A | N/A |
| Residential | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 0 | N/A | N/A | 16 | N/A | N/A | 16 | N/A | N/A | N/A |
| INTERRUPTIBLE RELIABILITY PROGRAMS ³ | | | | | | | | | | | | | | | | | | | |
| BIP - Day of | 506 | 309 | 263 | 514 | 310 | 267 | 517 | 297 | 268 | 517 | 298 | 268 | 514 | 276 | 267 | 487 | 253 | 253 | 10,935 |
| OBMC | 16 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | N/A |
| SLRP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A |
| SmartAC™ - Commercial | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | N/A |
| SmartAC™ - Residential | 102,180 | 53 | 32 | 100,727 | 49 | 31 | 99,560 | 43 | 31 | 98,434 | 18 | 31 | 97,528 | 0 | 30 | 96,786 | 0 | 30 | N/A |
| Sub-Total Interruptible | 102,702 | 363 | 294 | 101,257 | 359 | 298 | 100,093 | 340 | 299 | 98,967 | 315 | 299 | 98,058 | 276 | 297 | 97,289 | 253 | 283 | |
| PRICE-RESPONSIVE PROGRAMS ² | | | | | | | | | | | | | | | | | | | |
| CBP - Day Ahead | 726 | 29 | 32 | 797 | 32 | 35 | 783 | 32 | 35 | 843 | 34 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 603,881 |
| PDP (200 kW or above) | 1,287 | 9 | 18 | 1,285 | 8 | 18 | 1,280 | 8 | 18 | 1,224 | 7 | 17 | 1,224 | 7 | 17 | 1,196 | 7 | 17 | 7,299 |
| PDP (above 20 kW & below 200 kW) | 25,031 | 0.8 | 4 | 24,767 | 0 | 4 | 24,405 | 0 | 4 | 24,348 | -1 | 4 | 24,348 | 0 | 4 | 24,014 | 0 | 4 | 95,833 |
| PDP (20 kW or below) | 91,869 | 0 | 0 | 90,698 | 0 | 0 | 88,306 | 0 | 0 | 87,776 | 0 | 0 | 87,776 | 0 | 0 | 86,617 | 0 | 0 | 315,414 |
| SmartRate™ - Residential | 66,501 | 9 | 11 | 66,427 | 9 | 11 | 66,519 | 8 | 11 | 66,776 | 4 | 11 | 66,776 | 2 | 11 | 66,372 | 2 | 11 | N/A |
| Sub-Total Price Response | 185,414 | 48 | 65 | 183,974 | 49 | 68 | 181,293 | 48 | 67 | 180,967 | 44 | 69 | 180,124 | 8 | 31 | 178,199 | 8 | 31 | |
| Total All Programs | 288,116 | 411 | 359 | 285,231 | 408 | 366 | 281,386 | 388 | 366 | 279,934 | 359 | 368 | 278,182 | 284 | 328 | 275,488 | 261 | 314 | |

NOTES:

Readers should exercise caution in interpreting or using the estimated MW values found in this report in either the Ex Post or Ex Ante columns. Ex post estimates reflect historic event(s) that have taken place during specific time periods and actual weather conditions by a mix of customers that participated on event day(s). Ex Ante forecasts account for variables not included in the Ex Post estimates such as normalized weather conditions, expected customer mix during events, expected time of day which events occur, expected days of the week which events occur, and other lesser effects etc. An Ex Ante forecast reflects forecast impact estimates that would occur between 1 pm and 6pm during a specific DR program's operating season, based on 1-in-2 (normal) weather conditions if all DR programs were called simultaneously on the system peak day. In either case, MW estimates in this report will vary from estimates filed in the PG&E's annual April Compliance Filing pursuant to Decision 08-04-050 and reporting documents that may be supplied to other agencies e.g. CAISO, FERC, NERC, etc. MW estimates found in the Monthly ILP Report are not used by PG&E for operational reporting, resource planning, and cost effectiveness analysis or in developing regulatory filings.

Ex Ante Estimated MW = In compliance with Decision 08-04-050, the values presented herein are based on the April 2, 2019 (R13-09-011) Load Impact Report for Demand Response. The values reported are calculated by using the monthly Ex Ante average load impact per customer multiplied by the number of currently enrolled service accounts for the reporting month, where the Ex Ante average load impact is the average hourly load impact for an event that would occur from 1 - 6 pm on the system peak day of the month. The Ex Ante Estimated MW value for the aggregator program, e.g., CBP are the monthly nominated MW during the event season May through October and Zero non-event season months November through April.

Ex Post Estimated MW = In compliance with Decision 08-04-050, the values presented herein are based on the April 2, 2019 (R13-09-011) Load Impact Report for Demand Response. The values reported are calculated by using the annual Ex Post average load impact per customer multiplied by the number of currently enrolled service accounts for the reporting month, where the Ex Post load impact per customer is the average load impact per customer for those customers that may have participated in an event(s) during all actual event hours in the preceding year when or if events occurred. New programs report "n/a", as there were no prior events.

¹ For Pilot Program SSP II (Load Decrease) and XSP Pilot Program (Load Increase), in the absence of a formal load impact evaluation, PG&E estimates SSP 950 kW and XSP 2860 kW.

² There are some SmartRate™ Residential customers (<.05%) not reflected in the summary or rate code count as program eligibility is being confirmed.

³ BIP customers that dual participate in PDP are not counted towards the 300 MW BIP cap. The BIP program actual capacity is below the 300 MW cap.

⁴ Revised February Non-residential SSP II (Load Decrease) Service Account count.

⁵ Data was revised due to true-up for BIP enrollments from January through April.

⁶ Negative number in May for PDP (above 20 kW & below 200 kW) is due to the event window not lining up with the RA measurement window.

Pacific Gas and Electric Company
Average Ex Ante Load Impact kW / Customer
December 2019

Program Eligibility and Ex Ante Average Load Impacts¹

| Program | Average Ex Ante Load Impact kW / Customer | | | | | | | | | | | | Eligible Accounts as of Jan 1, 2019 | Eligibility Criteria (Refer to tariff for specifics) |
|----------------------------------|---|----------|--------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|-------------------------------------|---|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| BIP - Day Of | 496.82 | 513.23 | 534.51 | 570.28 | 601.49 | 632.75 | 611.62 | 602.71 | 575.26 | 576.11 | 537.31 | 519.27 | 10,900 | Bundled, DA and CCA non-residential customer service accounts that have at least an average monthly demand of 100 kW. |
| OBMC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Not Available | Bundled, DA and CCA non-residential customer accounts with interval meters that must be able to reduce electric load such that the entire load on the PG&E circuit or dedicated substation that provides service to that customer is reduced to or below Maximum Load Levels (MLLs) for the entire duration of each and every RO operation. |
| SLRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Not Available | Bundled-service customers taking service under Schedules A-10, E-19 or E-20 & minimum average monthly demand of 100 kilowatts (kW). Customers must commit to minimum 15% of baseline usage, with a minimum load reduction of 100 kW. |
| SmartAC™ - Commercial | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Not Available | Small and medium business customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment. Closed to new enrollment. |
| SmartAC™ - Residential | N/A | N/A | N/A | N/A | 0.30 | 0.50 | 0.52 | 0.49 | 0.43 | 0.18 | N/A | N/A | Not Available | Residential customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment. |
| CBP - Day Ahead | N/A | N/A | N/A | N/A | 40.29 | 40.29 | 40.29 | 40.29 | 40.29 | 40.29 | N/A | N/A | 5.4 Million | PG&E customers receiving bundled service, Community Choice Aggregation (CCA) service, or Direct Access (DA) service and being billed on a PG&E residential, commercial, industrial, or agricultural electric rate schedule. |
| PDP (200 kW or above) | 5.49 | 5.49 | 5.49 | 5.80 | 6.02 | 5.50 | 6.99 | 6.25 | 6.25 | 5.92 | 5.49 | 5.49 | 7,000 | Default beginning on: May 1, 2010 for bundled C&I Customers >200kW |
| PDP (above 20 kW & below 200 kW) | 0.00 | 0.00 | 0.00 | 0.00 | -0.20 | 0.01 | 0.03 | 0.01 | 0.00 | -0.06 | 0.00 | 0.00 | 90,000 | Maximum Demand: February 1st, 2011 for large bundled Ag customers; |
| PDP (20 kW or below) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 315,000 | November 2014 for bundled C&I Customers with <200 kW Maximum Demand and 12 consecutive months of interval data. |
| SmartRate™ - Residential | 0.02 | 0.02 | 0.02 | 0.05 | 0.09 | 0.13 | 0.14 | 0.13 | 0.12 | 0.06 | 0.02 | 0.02 | Not Available | A voluntary rate supplement to residential customers' otherwise applicable schedule. Available to Bundled-Service customers served on a single family residential electric rate schedule. |

The average ex ante load impacts per customer are based on the load impacts filing on April 2, 2019 (R.13-09-011). Estimated Average Ex Ante Load Impact kW/Customer = Average kW / Customer, under 1-in-2 weather conditions, of an event that would occur at 4 - 9 pm on the PG&E system peak day of the month.

Pacific Gas and Electric Company
Average ExPost Load Impact kW / Customer
December 2019

Program Eligibility and Ex Post Average Load Impacts ¹

| Program | Average Ex Post Load Impact kW / Customer | | | | | | | | | | | | Eligible Accounts as of Jan 1, 2019 | Eligibility Criteria (Refer to tariff for specifics) |
|----------------------------------|---|----------|--------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|-------------------------------------|---|
| | January | February | March | April | May | June | July | August | September | October | November | December | | |
| BIP - Day Of | 519.05 | 519.05 | 519.05 | 519.05 | 519.05 | 519.05 | 519.05 | 519.05 | 519.05 | 519.05 | 519.05 | 519.05 | 10,900 | Bundled, DA and CCA non-residential customer service accounts that have at least an average monthly demand of 100 kW. |
| OBMC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Not Available | Bundled, DA and CCA non-residential customer accounts with interval meters that must be able to reduce electric load such that the entire load on the PG&E circuit or dedicated substation that provides service to that customer is reduced to or below Maximum Load Levels (MLLs) for the entire duration of each and every RO operation. |
| SLRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Not Available | Bundled-service customers taking service under Schedules A-10, E-19 or E-20 & minimum average monthly demand of 100 kilowatts (kW). Customers must commit to minimum 15% of baseline usage, with a minimum load reduction of 100 kW. |
| SmartAC™ - Commercial | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Not Available | Small and medium business customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment. Closed. |
| SmartAC™ - Residential | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | Not Available | Residential customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment. |
| CBP - Day Ahead | 44.34 | 44.34 | 44.34 | 44.34 | 44.34 | 44.34 | 44.34 | 44.34 | 44.34 | 44.34 | 44.34 | 44.34 | 5.4 Million | PG&E customers receiving bundled service, Community Choice Aggregation (CCA) service, or Direct Access (DA) service and being billed on a PG&E residential, commercial, industrial, or agricultural electric rate schedule. |
| PDP (200 kW or above) | 13.97 | 13.97 | 13.97 | 13.97 | 13.97 | 13.97 | 13.97 | 13.97 | 13.97 | 13.97 | 13.97 | 13.97 | 7,000 | Default beginning on: May 1, 2010 for bundled C&I Customers >200kW Maximum Demand; February 1st, 2011 for large bundled Ag customers; November 2014 for bundled C&I Customers with <200 kW Maximum Demand and 12 consecutive months of interval data. |
| PDP (above 20 kW & below 200 kW) | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 90,000 | |
| PDP (20 kW or below) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 315,000 | |
| SmartRate™ - Residential | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | Not Available | A voluntary rate supplement to residential customers' otherwise applicable schedule. Available to Bundled-Service customers served on a single family residential electric rate schedule. |

The average ex post load impacts per customer are based on the load impacts filing on April 2, 2019 (R.13-09-011). Estimated Average Ex Post Load Impact kW / Customer = Average kW / Customer service account from the typical event for the preceding year if events occurred. Some programs may experience no events or few events while other programs may operate regularly depending on event triggers. For existing programs, the average ex post load impact per customer SA_ID remains constant across all months. The average load impact is "N/A" for programs having no prior events.

**Table I-3b
Pacific Gas and Electric Company
Demand Response Programs and Activities
Carry-Over Expenditures and Funding
December 2019**

| Cost Item ¹ | January | February | March | April | May | June | July | August | September | October | November | December | Carry-Over Expenditures incurred in 2019 |
|--|------------------|-----------------|------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-----------------|-----------------|-------------------|-----------------|--|
| Category 1: Reliability Programs | | | | | | | | | | | | | |
| Base Interruptible Program (BIP) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Optional Bidding Mandatory Curtailment / Scheduled Load Reduction (OBMC / SLRP) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Budget Category 1 Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Category 2: Price-Responsive Programs | | | | | | | | | | | | | |
| Capacity Bidding Program (CBP) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| SmartAC™ | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Budget Category 2 Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Category 3: DR Provider/Aggregator Managed Programs | | | | | | | | | | | | | |
| Aggregator Managed Portfolio (AMP) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Budget Category 3 Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Category 4: Emerging & Enabling Programs | | | | | | | | | | | | | |
| Auto DR | \$19,920 | \$39,540 | \$51,500 | \$14,350 | \$5,400 | \$6,100 | \$0 | (\$50,990) | \$8,900 | \$0 | \$0 | \$0 | \$94,720 |
| DR Emerging Technology | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Budget Category 4 Total | \$19,920 | \$39,540 | \$51,500 | \$14,350 | \$5,400 | \$6,100 | \$0 | (\$50,990) | \$8,900 | \$0 | \$0 | \$0 | \$94,720 |
| Category 5: Pilots | | | | | | | | | | | | | |
| Supply Side Pilot | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Excess Supply | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Budget Category 5 Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Category 6: Evaluation, Measurement and Verification | | | | | | | | | | | | | |
| DRMEC | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| DR Research Studies | \$20,000 | \$10,000 | \$57,387 | \$14,763 | \$14,763 | \$14,763 | (\$18,579) | \$10,000 | \$0 | \$0 | (\$20,000) | \$30,000 | \$133,097 |
| Budget Category 6 Total | \$20,000 | \$10,000 | \$57,387 | \$14,763 | \$14,763 | \$14,763 | (\$18,579) | \$10,000 | \$0 | \$0 | (\$20,000) | \$30,000 | \$133,097 |
| Category 7: Marketing, Education and Outreach | | | | | | | | | | | | | |
| DR Core Marketing and Outreach | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| SmartAC™ ME&O | (\$384) | \$5,817 | (\$5,817) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | (\$384) |
| Education and Training | \$0 | \$0 | \$255 | \$0 | \$0 | \$62 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1 | \$318 |
| Budget Category 7 Total | (\$384) | \$5,817 | (\$5,562) | \$0 | \$0 | \$62 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1 | (\$65) |
| Category 8: DR System Support Activities | | | | | | | | | | | | | |
| InterAct / DR Forecasting Tool | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| DR Enrollment & Support ² | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Notifications | \$65 | \$0 | \$0 | (\$67,940) | \$827 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | (\$67,048) |
| DR Integration Policy & Planning | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Budget Category 8 Total | \$65 | \$0 | \$0 | (\$67,940) | \$827 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | (\$67,048) |
| Category 9: Integrated Programs and Activities (Including Technical Assistance) | | | | | | | | | | | | | |
| Technology Incentives - IDSM | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Integrated Energy Audits | (\$1,527) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$221 | \$0 | \$0 | \$0 | (\$1,306) |
| Budget Category 9 Total | (\$1,527) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$221 | \$0 | \$0 | \$0 | (\$1,306) |
| Category 10: Special Projects | | | | | | | | | | | | | |
| Demand Response Auction Mechanism Pilot Phase 1 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Demand Response Auction Mechanism Pilot Phase 2 | \$627 | (\$470) | \$434 | \$1,134 | (\$753) | \$756 | (\$169) | (\$131) | \$3,368 | (\$194) | \$300 | \$181 | \$5,083 |
| Demand Response Auction Mechanism Pilot Phase 3 | \$7,897 | \$24,060 | \$22,067 | \$7,401 | \$18,875 | \$19,750 | \$9,333 | \$17,785 | \$4,725 | \$18,683 | \$7,800 | \$21,172 | \$179,550 |
| Rule 24 O&M | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Permanent Load Shifting | \$3,461 | \$5,672 | \$700 | \$1,134 | \$4,044 | \$9,782 | \$4,093 | \$6,830 | \$0 | \$17,189 | \$6,453 | \$2,875 | \$62,233 |
| Budget Category 10 Total | \$11,985 | \$29,263 | \$23,201 | \$9,669 | \$22,166 | \$30,288 | \$13,257 | \$24,484 | \$8,093 | \$35,678 | \$14,552 | \$24,229 | \$246,867 |
| Total Incremental Cost | \$50,060 | \$84,619 | \$126,526 | (\$29,158) | \$43,157 | \$51,214 | (\$5,322) | (\$16,506) | \$17,214 | \$35,678 | (\$5,448) | \$54,230 | \$406,266 |

¹ Expenditures on this page reflect expenses incurred in 2019 from all prior funding cycles

² January credit for DR Enrollment & Support is due to the reversal of an accrual and reversal of a prior month incorrect charge.

Table I-4
Pacific Gas and Electric Company
Interruptible and Price Responsive Programs
Year-to-Date Event Summary
December 2019

| Program Name | Month | Zones | Event No. (by Program Type) | Event Date | Program Type | Trigger | # of Accounts | Event Start Time (PDT) | Event End Time (PDT) | Program Toiled Hours | Load Reduction MW (Max Hourly) |
|---|-------|--|-----------------------------|------------|--------------|--------------------------------|---------------|------------------------|----------------------|----------------------|--------------------------------|
| Category 1: Reliability Programs | | | | | | | | | | | |
| Base Interruptible Program | FEB | SubLap/Zones (1): ZP26 PGZP | 1 | 2/23/2019 | Day Of | Transmission Emergency | 119 | 7:00 PM | 10:00 PM | 3 | REDACTED |
| Base Interruptible Program | MAR | SubLap/Zones (14): Central Coast PGCC, East Bay PGE, Fresno PGF1, Geysers PGFG, Humboldt PGB, Kern PGKN, North Bay PGNB, North Coast PGNC, North of Path 15 PGNP, Peninsula PGF2, San Francisco PGSF, Sierra PGSI, South Bay PGSB, Stockton PGST | 2 | 3/12/2019 | Day Of | PG&E Test | 303 | 6:30 AM | 9:30 AM | 3 | 170.5 |
| Optional Bidding Mandatory Curtailment (OBMC) / Scheduled Load Reduction (SLRP) | | | | | | | | | | | |
| Category 2: Price-Responsive Programs | | | | | | | | | | | |
| Capacity Bidding Program | JUL | SubLap/Zones (12): Central Coast PGCC, East Bay PGE, Geysers PGFG, Kern PGKN, North Bay PGNB, North of Path 15 PGNP, Peninsula PGF2, South Bay PGSB, San Francisco PGSF, Sierra PGSI, Stockton PGST, ZP26 PGZP | 1 | 7/24/2019 | Day Ahead | PG&E Test / CAISO Market Award | 531 | 6:00 PM | 8:00 PM | 2 | 13.1 |
| Capacity Bidding Program | JUL | SubLap/Zones (2): South Bay PGSB, Peninsula PGP2 | 1 | 7/24/19 | Day Ahead | CAISO Market Award | 60 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | JUL | SubLap/Zones (1): Fresno PGF1 | 2 | 7/25/19 | Day Ahead | PG&E Test | 3 | 7:00 PM | 8:00 PM | 1 | REDACTED |
| Capacity Bidding Program | AUG | SubLap/Zones (1): South Bay PGSB | 3 | 8/14/19 | Day Ahead | CAISO Market Award | 60 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | AUG | SubLap/Zones (1): South Bay PGSB | 3 | 8/14/19 | Day Ahead | CAISO Market Award | 1 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | AUG | SubLap/Zones (2): San Francisco PGSF, South Bay PGSB | 4 | 8/15/19 | Day Ahead | CAISO Market Award | 82 | 5:00 PM | 7:00 PM | 2 | REDACTED |
| Capacity Bidding Program | AUG | SubLap/Zones (2): San Francisco PGSF, South Bay PGSB | 4 | 8/15/19 | Day Ahead | CAISO Market Award | 2 | 4:00 PM | 7:00 PM | 3 | REDACTED |
| Capacity Bidding Program | AUG | SubLap/Zones (5): Geysers PGFG, North Bay PGNB, Peninsula PGP2, South Bay PGSB, San Francisco PGSF | 5 | 8/27/2019 | Day Ahead | PG&E Test / CAISO Market Award | 194 | 6:00 PM | 7:00 PM | 1 | 6.9 |
| Capacity Bidding Program | AUG | SubLap/Zones (2): Peninsula PGP2, South Bay PGSB | 5 | 8/27/19 | Day Ahead | CAISO Market Award | 2 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | SEPT | SubLap/Zones (1): South Bay PGSB | 6 | 9/5/19 | Day Ahead | CAISO Market Award | 60 | 6:00 PM | 7:00 PM | 1 | 1.7 |
| Capacity Bidding Program | SEPT | SubLap/Zones (2): Peninsula PGP2, South Bay PGSB | 6 | 9/5/19 | Day Ahead | CAISO Market Award | 2 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | SEPT | SubLap/Zones (1): South Bay PGSB | 7 | 9/13/19 | Day Ahead | CAISO Market Award | 60 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | SEPT | SubLap/Zones (2): Peninsula PGP2, South Bay PGSB | 7 | 9/13/19 | Day Ahead | CAISO Market Award | 2 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | SEPT | SubLap/Zones (11): South Bay PGSB, Central Coast PGCC, East Bay PGE, Fresno PGF1, Kern PGKN, North Bay PGNB, Peninsula PGP2, South Bay PGSB, San Francisco PGSF, Stockton PGST, ZP26 PGZP | 8 | 9/24/19 | Day Ahead | CAISO Market Award | 619 | 6:00 PM | 7:00 PM | 1 | 17.0 |
| Capacity Bidding Program | SEPT | SubLap/Zones (2): Peninsula PGP2, South Bay PGSB | 8 | 9/24/19 | Day Ahead | CAISO Market Award | 2 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | SEPT | SubLap/Zones (2): South Bay PGSB, San Francisco PGSF | 9 | 9/25/19 | Day Ahead | CAISO Market Award | 61 | 5:00 PM | 7:00 PM | 2 | REDACTED |
| Capacity Bidding Program | SEPT | SubLap/Zones (2): Peninsula PGP2, South Bay PGSB | 9 | 9/25/19 | Day Ahead | CAISO Market Award | 2 | 5:00 PM | 7:00 PM | 2 | REDACTED |
| Capacity Bidding Program | OCT | SubLap/Zones (1): South Bay PGSB | 1 | 10/7/19 | Day Ahead | CAISO Market Award | 31 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | OCT | SubLap/Zones (1): South Bay PGSB | 1 | 10/7/19 | Day Ahead | CAISO Market Award | 1 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | OCT | SubLap/Zones (1): Peninsula PGP2 | 2 | 10/9/19 | Day Ahead | CAISO Market Award | 1 | 5:00 PM | 7:00 PM | 2 | REDACTED |
| Capacity Bidding Program | OCT | SubLap/Zones (1): South Bay PGSB | 3 | 10/15/19 | Day Ahead | CAISO Market Award | 60 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | OCT | SubLap/Zones (3): East Bay PGE, Peninsula PGP2, South Bay PGSB | 3 | 10/15/19 | Day Ahead | CAISO Market Award | 27 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | OCT | SubLap/Zones (1): South Bay PGSB | 4 | 10/21/19 | Day Ahead | CAISO Market Award | 60 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | OCT | SubLap/Zones (3): East Bay PGE, Peninsula PGP2, South Bay PGSB | 4 | 10/21/19 | Day Ahead | CAISO Market Award | 27 | 6:00 PM | 7:00 PM | 1 | REDACTED |
| Capacity Bidding Program | OCT | SubLap/Zones (13): Central Coast PGCC, East Bay PGE, Fresno PGF1, Geysers PGFG, Kern PGKN, North Bay PGNB, North of Path 15 PGNP, Peninsula PGP2, South Bay PGSB, San Francisco PGSF, Sierra PGSI, Stockton PGST, ZP26 PGZP | 5 | 10/22/19 | Day Ahead | PG&E Test / CAISO Market Award | 767 | 5:00 PM | 8:00 PM | 3 | 12.8 |
| Capacity Bidding Program | OCT | SubLap/Zones (3): East Bay PGE, Peninsula PGP2, South Bay PGSB | 5 | 10/22/19 | Day Ahead | CAISO Market Award | 27 | 5:00 PM | 7:00 PM | 2 | REDACTED |

NOTE: Readers should exercise caution in interpreting or using the estimated MW values found in this report in either the Ex Post or Ex Ante columns. Ex post estimates reflect historic event(s) that have taken place during specific time periods and actual weather conditions by a mix of customers that participated on event day(s). Ex Ante forecasts account for variables not included in the Ex Post estimate such as normalized weather conditions, expected customer mix during events, expected time of day which events occur, expected days of the week which events occur, and other lesser effects etc. An Ex Ante forecast reflects forecast impact estimates that would occur between 1 pm and 6 pm during a specific DR program in a specific season, based on 1-in-2 (normal) weather conditions if all DR programs were called simultaneously on the system peak day. In either case, MW estimates in this report will vary from estimates filed in the PG&E's annual April Compliance Filing pursuant to Decision 08-04-050 and reporting documents that may be supplied to other agencies e.g. CAISO, FERC, NERC, etc. MW estimates found in the Monthly ILP Report are not used by PG&E for operational reporting, resource planning, and cost effectiveness analysis or in developing regulatory filings.

¹ Amended the Trigger reason for event days 7/24/2019 and 8/27/2019 to include CAISO Market Award

Table I-4
 Pacific Gas and Electric Company
 Interruptible and Price Responsive Programs
 Year-to-Date Event Summary
 December 2019

| Program Name | Month | Zones | Event No. (by Program / Type) | Event Date | Program Type | Trigger | # of Accounts | Event Start Time (PDT) | Event End Time (PDT) | Program Tolled Hours | Load Reduction MW (Max Hourly) ^{2,3} |
|--|-------|--|-------------------------------|------------|--------------|--------------------|---------------|------------------------|----------------------|----------------------|---|
| Category 2: Price-Responsive Programs (continued) | | | | | | | | | | | |
| Peak Day Pricing | JUN | System | 1 | 6/11/19 | Day Ahead | Temperature | 1,373 | 2:00 PM | 6:00 PM | 4 | 17.9 |
| Peak Day Pricing | JUL | System | 2 | 7/24/19 | Day Ahead | Temperature | 1,361 | 2:00 PM | 6:00 PM | 4 | 12.6 |
| Peak Day Pricing | JUL | System | 3 | 7/26/19 | Day Ahead | Temperature | 1,361 | 2:00 PM | 6:00 PM | 4 | 12.1 |
| Peak Day Pricing | AUG | System | 4 | 8/13/19 | Day Ahead | Temperature | 1,287 | 2:00 PM | 6:00 PM | 4 | 12.9 |
| Peak Day Pricing | AUG | System | 5 | 8/14/19 | Day Ahead | Temperature | 1,287 | 2:00 PM | 6:00 PM | 4 | 15.7 |
| Peak Day Pricing | AUG | System | 6 | 8/16/19 | Day Ahead | Temperature | 1,287 | 2:00 PM | 6:00 PM | 4 | 18.1 |
| Peak Day Pricing | AUG | System | 7 | 8/26/19 | Day Ahead | Temperature | 1,287 | 2:00 PM | 6:00 PM | 4 | 14.3 |
| Peak Day Pricing | AUG | System | 8 | 8/27/19 | Day Ahead | Temperature | 1,287 | 2:00 PM | 6:00 PM | 4 | 7.8 |
| Peak Day Pricing | SEP | System | 9 | 9/13/19 | Day Ahead | Temperature | 1,285 | 2:00 PM | 6:00 PM | 4 | 6.1 |
| SmartAC | JUL | SubLap/Zones (3): Fresno PGF1, Kern PGKN, ZP26 PGZP | 1 | 7/24/19 | Day Ahead | CAISO Market Award | 25,407 | 4:00 PM | 7:00 PM | 3 | 3.7 |
| SmartAC | JUL | SubLap/Zones (3): Fresno PGF1, Kern PGKN, ZP26 PGZP | 2 | 7/25/19 | Day Ahead | CAISO Market Award | 25,407 | 3:00 PM | 6:00 PM | 3 | 6.2 |
| SmartAC | JUL | System | 3 | 7/27/19 | Day Ahead | PG&E Test | 103,390 | 4:00 PM | 7:00 PM | 3 | 38.5 |
| SmartAC | AUG | SubLap/Zones (5): East Bay PCEB, North Bay PGNB, Peninsula PGP2, South Bay PGSE, Sierra PGSI | 4 | 8/14/19 | Day Ahead | CAISO Market Award | 40,323 | 4:00 PM | 7:00 PM | 3 | 19.0 |
| SmartAC | AUG | System | 5 | 8/15/19 | Day Ahead | PG&E Test | 93,774 | 4:00 PM | 6:30 PM | 2.5 | 42.1 |
| SmartAC | AUG | SubLap/Zones (3): Fresno PGF1, Kern PGKN, ZP26 PGZP | 6 | 8/16/19 | Day Ahead | CAISO Market Award | 25,407 | 5:00 PM | 8:00 AM | 3 | 9.6 |
| SmartAC | AUG | SubLap/Zones (7): Fresno PGF1, Kern PGKN, North Coast PGNC, North of Path 15 PGNP, Sierra PGSI, Stockton PGST, ZP26 PGZP | 7 | 8/26/19 | Day Ahead | CAISO Market Award | 63,306 | 3:00 PM | 6:00 PM | 3 | 21.3 |
| SmartAC | AUG | SubLap/Zones (6): Fresno PGF1, Kern PGKN, North of Path 15 PGNP, Sierra PGSI, Stockton PGST, ZP26 PGZP | 8 | 8/27/19 | Day Ahead | CAISO Market Award | 62,733 | 2:00 PM | 5:00 PM | 3 | 19.5 |
| SmartAC | AUG | SubLap/Zones (1): North Coast PGNC | 8 | 8/27/19 | Day Ahead | CAISO Market Award | 573 | 3:00 PM | 5:00 PM | 2 | 0.0 |
| SmartAC | SEP | SubLap/Zones (2): Peninsula PGP2, South Bay PGSE | 9 | 9/13/19 | Day Ahead | CAISO Market Award | 10,688 | 5:00 PM | 8:00 PM | 3 | 3.9 |
| SmartAC | SEP | SubLap/Zones (1): North Bay PGNB | 9 | 9/19/19 | Day Ahead | CAISO Market Award | 2,787 | 3:00 PM | 5:00 PM | 2 | 0.4 |
| SmartAC | SEP | SubLap/Zones (3): East Bay PCEB, Peninsula PGP2, South Bay PGSE | 10 | 9/25/19 | Day Ahead | CAISO Market Award | 32,762 | 3:00 PM | 6:00 PM | 3 | 10.7 |
| SmartRate | JUN | System | 1 | 6/11/19 | Day Ahead | Temperature | 66,552 | 2:00 PM | 7:00 PM | 5 | 15.8 |
| SmartRate | JUL | System | 2 | 7/24/19 | Day Ahead | Temperature | 66,531 | 2:00 PM | 7:00 PM | 5 | 17.3 |
| SmartRate | JUL | System | 3 | 7/26/19 | Day Ahead | Temperature | 66,531 | 2:00 PM | 7:00 PM | 5 | 7.4 |
| SmartRate | AUG | System | 4 | 8/14/19 | Day Ahead | Temperature | 66,501 | 2:00 PM | 7:00 PM | 5 | 15.2 |
| SmartRate | AUG | System | 5 | 8/15/19 | Day Ahead | Temperature | 66,501 | 2:00 PM | 7:00 PM | 5 | 17.8 |
| SmartRate | AUG | System | 6 | 8/16/19 | Day Ahead | Temperature | 66,501 | 2:00 PM | 7:00 PM | 5 | 14.2 |
| SmartRate | AUG | System | 7 | 8/26/19 | Day Ahead | Temperature | 66,501 | 2:00 PM | 7:00 PM | 5 | 16.4 |
| SmartRate | AUG | System | 8 | 8/27/19 | Day Ahead | Temperature | 66,501 | 2:00 PM | 7:00 PM | 5 | 13.4 |
| SmartRate | SEP | System | 9 | 9/13/19 | Day Ahead | Temperature | 66,427 | 2:00 PM | 7:00 PM | 5 | 26.2 |
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Table I-5a
Pacific Gas and Electric Company
2018-22 Demand Response Programs Incentives
December 2019

| Annual Total Cost | | | | | | | | | | | | | | | |
|---|--------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------------|-----------------------------------|
| Cost Item | 2018 Expenditures | January | February | March | April | May | June | July | August | September | October | November | December | Year-to-Date Total Cost | Program-to-Date Total Cost |
| Program Incentives | | | | | | | | | | | | | | | |
| Automatic Demand Response (AutoDR) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$51,852 | \$60,740 | \$246,960 | \$27,238 | \$4,150 | \$1,950 | \$392,889 | \$392,889 |
| Base Interruptible Program (BIP) | \$26,647,119 | \$1,773,680 | \$1,375,018 | \$1,718,461 | \$2,116,530 | 2,222,488 | \$2,253,182 | 1,068,766 | \$2,830,343 | \$2,951,915 | \$2,021,512 | \$2,031,376 | \$1,324,923 | \$23,688,194 | \$50,335,314 |
| Capacity Bidding Program (CBP) ¹ | \$1,612,847 | \$4,361 | \$0 | (\$884) | \$0 | \$59,237 | \$16,140 | 423,552 | \$315,585 | \$703,967 | (\$145,852) | (\$151,336) | \$20,118 | \$1,244,888 | \$2,857,735 |
| DRAM Phase 4 ² | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED |
| Excess Supply Pilot | \$213,683 | \$12,168 | \$22,650 | (\$2,019) | \$18,560 | \$27,850 | \$27,850 | \$8,278 | (\$8,764) | \$31,934 | \$31,934 | (\$3,006) | \$15,554 | \$182,989 | \$396,672 |
| SmartAC™ | \$265,350 | \$1,100 | \$750 | \$23,500 | \$2,550 | \$2,550 | \$150 | \$0 | \$12,750 | \$9,600 | \$9,600 | \$5,285 | \$8,204 | \$76,039 | \$341,389 |
| Supply Side Pilot | \$91,720 | \$15,465 | \$9,600 | \$3,136 | \$5,079 | \$9,600 | \$9,600 | \$8,347 | \$5,817 | \$350 | \$500 | \$1,600 | (\$115,314) | (\$46,220) | \$45,501 |
| Total Cost of Incentives | \$28,830,720 | \$1,806,774 | \$1,408,018 | \$1,742,195 | \$2,142,719 | \$2,321,725 | \$2,306,921 | \$1,560,795 | \$3,216,470 | \$3,944,725 | \$1,944,932 | \$1,888,069 | \$1,255,435 | \$25,538,780 | \$54,369,500 |
| | | | | | | | | | | | | | | | |
| Revenues from Penalties ³ | \$ 646,138 | \$185,994 | \$0 | \$0 | \$888 | \$136,494 | \$123,090 | \$0 | \$45,680 | \$58,439 | \$0 | \$5,946 | \$87,074 | \$643,605 | \$1,289,742 |

¹ Incentives reported are net of penalties paid by the aggregators.

Table I-5b
Pacific Gas and Electric Company
Demand Response Programs and Activities
Carryover and Incentive Funding
December 2019

| Annual Total Cost | | | | | | | | | | | | | |
|------------------------------------|----------------|-----------------|--------------|----------------|---------------|-------------|-------------|---------------|------------------|----------------|-----------------|-----------------|---|
| Cost Item ¹ | January | February | March | April | May | June | July | August | September | October | November | December | Carry-Over Incentives incurred in 2019 |
| Program Incentives | | | | | | | | | | | | | |
| Automatic Demand Response (AutoDR) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Base Interruptible Program (BIP) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Capacity Bidding Program (CBP) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| DRAM Phase 1 ² | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED |
| DRAM Phase 2 ² | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED |
| DRAM Phase 3 ² | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED | REDACTED |
| Excess Supply Pilot | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Permanent Load Shift | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Supply Side Pilot | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| SmartAC™ | \$1,550 | \$20 | \$0 | \$1,600 | (\$49) | \$55 | \$0 | \$1 | \$0 | \$0 | \$4 | \$4 | \$3,185 |
| Total Cost of Incentives | \$1,550 | \$20 | \$0 | \$1,600 | (\$49) | \$55 | \$0 | \$1 | \$0 | \$0 | \$4 | \$4 | \$3,185 |
| Revenues from Penalties | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |

¹ Incentives on this page reflect incentives paid in 2019 from all prior funding cycles.

² DRAM incentives are confidential and redacted for the public version. The MWs under contract are known, and the costs are being paid under the contracts that won in the RFO.

Table I-7
Pacific Gas and Electric Company
2018-22 Marketing, Education and Outreach
Actual Expenditures
December 2019

| PG&E's ME&O Actual Expenditures | 2018 Expenditures | 2018-22 Funding Cycle Customer Communication, Marketing, and Outreach | | | | | | | | | | | | Year-to-Date 2019 Expenditures | Total Funding Cycle expenditures to date | 2019 Authorized Budget (if Applicable) | 2018-22 Authorized Budget (if Applicable) | |
|---|---------------------|---|------------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|------------------|-------------------|------------------|------------------|--------------------------------|--|--|---|----------------------|
| | | January | February | March | April | May | June | July | August | September | October | November | December | | | | | |
| I. STATEWIDE MARKETING | | | | | | | | | | | | | | | | | | |
| IOU Administrative Costs | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Statewide ME&O contract | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| I. TOTAL STATEWIDE MARKETING | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| II. UTILITY MARKETING BY ACTIVITY¹ | | | | | | | | | | | | | | | | | | |
| TOTAL AUTHORIZED UTILITY MARKETING BUDGET | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | \$2,650,000 | \$13,570,000 |
| PROGRAMS, RATES & ACTIVITIES WHICH DO NOT REQUIRE ITEMIZED ACCOUNTING | | | | | | | | | | | | | | | | | | |
| Interestated Demand Side Marketing | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| Marketing My Account/Energy and Integrated Online Audit Tools | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Critical Peak Pricing > 200 kW | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| Demand Bidding Program | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Real Time Pricing | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| Permanent Load Shifting | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Circuit Savers | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| Small Commercial Technology Deployment | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| Enabling Technologies (e.g., AutoDR, TI) ² | \$ 132,685 | \$ 6,816 | \$ 6,512 | \$ 9,412 | \$ 7,614 | \$ 11,240 | \$ 5,169 | \$ 5,104 | \$ 7,892 | \$ 16,021 | \$ 4,686 | \$ 3,368 | \$ 6,207 | \$ 90,040 | \$ 222,725.15 | \$ 222,725.15 | | |
| PeakChoice | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| Customer Awareness, Education and Outreach ² | \$ 199,027 | \$ 10,225 | \$ 9,769 | \$ 14,118 | \$ 11,420 | \$ 16,861 | \$ 7,753 | \$ 7,656 | \$ 11,838 | \$ 24,032 | \$ 7,029 | \$ 5,051 | \$ 9,310 | \$ 135,061 | \$ 334,088.43 | \$ 334,088.43 | | |
| PROGRAMS & RATES WHICH REQUIRE ITEMIZED ACCOUNTING | | | | | | | | | | | | | | | | | | |
| SmartAC ³ | \$ 1,752,947 | \$ 10,753 | \$ 11,306 | \$ 27,357 | \$ 16,640 | \$ 90,294 | \$ 98,333 | \$ 102,928 | \$ 70,643 | \$ 51,408 | \$ (14,394) | \$ 18,540 | \$ 44,852 | \$ 528,659 | \$ 2,281,606.64 | \$ 2,281,606.64 | | |
| Customer Research | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Collateral- Development, Printing, Distribution etc. (all non-labor costs) ³ | \$ 1,598,611 | \$ 787 | \$ 3,599 | \$ 14,402 | \$ 3,734 | \$ 63,442 | \$ 92,699 | \$ 88,573 | \$ 36,924 | \$ 29,207 | \$ (14,791) | \$ 7,479 | \$ 33,610 | \$ 359,665 | \$ 1,958,276 | \$ 1,958,276 | | |
| Labor | \$ 137,890 | \$ 9,966 | \$ 7,706 | \$ 12,955 | \$ 12,906 | \$ 26,852 | \$ 5,634 | \$ 14,354 | \$ 33,719 | \$ 22,201 | \$ 397 | \$ 11,061 | \$ 11,242 | \$ 168,994 | \$ 306,884 | \$ 306,884 | | |
| Paid Media | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Other Costs | \$ 16,446 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 16,446 | |
| II. TOTAL UTILITY MARKETING BY ACTIVITY | \$ 2,084,659 | \$ 27,794 | \$ 27,586 | \$ 50,887 | \$ 35,674 | \$ 118,395 | \$ 111,255 | \$ 115,687 | \$ 90,373 | \$ 91,461 | \$ (2,679) | \$ 26,959 | \$ 60,369 | \$ 753,761 | \$ 2,838,420.22 | \$ 2,838,420.22 | \$ 2,650,000 | \$ 13,570,000 |
| III. UTILITY MARKETING BY ITEMIZED COST | | | | | | | | | | | | | | | | | | |
| Customer Research | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Collateral- Development, Printing, Distribution etc. (all non-labor costs) | \$ 1,716,183 | \$ 839 | \$ 3,599 | \$ 14,402 | \$ 4,626 | \$ 63,525 | \$ 92,672 | \$ 88,573 | \$ 36,924 | \$ 29,207 | \$ (14,791) | \$ 7,479 | \$ 33,610 | \$ 360,665 | \$ 2,076,849 | \$ 2,076,849 | | |
| Labor ⁴ | \$ 339,335 | \$ 25,601 | \$ 22,633 | \$ 36,485 | \$ 29,693 | \$ 54,870 | \$ 18,583 | \$ 25,759 | \$ 53,449 | \$ 62,254 | \$ 10,757 | \$ 20,639 | \$ 25,405 | \$ 386,126 | \$ 725,461 | \$ 725,461 | | |
| Paid Media | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | |
| Other Costs | \$ 29,141 | \$ 1,355 | \$ 1,355 | \$ - | \$ 1,355 | \$ - | \$ - | \$ 1,355 | \$ - | \$ - | \$ 1,355 | \$ (1,159) | \$ 1,355 | \$ 6,970 | \$ 36,111 | \$ 36,111 | | |
| III. TOTAL UTILITY MARKETING BY ITEMIZED COST | \$ 2,084,659 | \$ 27,794 | \$ 27,586 | \$ 50,887 | \$ 35,674 | \$ 118,395 | \$ 111,255 | \$ 115,687 | \$ 90,373 | \$ 91,461 | \$ (2,679) | \$ 26,959 | \$ 60,369 | \$ 753,761 | \$ 2,838,420.22 | \$ 2,838,420.22 | \$ 2,650,000 | \$ 13,570,000 |
| IV. UTILITY MARKETING BY CUSTOMER SEGMENT | | | | | | | | | | | | | | | | | | |
| Agricultural ⁴ | \$ 49,757 | \$ 2,556 | \$ 2,442 | \$ 3,529 | \$ 2,855 | \$ 4,215 | \$ 1,938 | \$ 1,914 | \$ 2,960 | \$ 6,008 | \$ 1,757 | \$ 1,263 | \$ 2,328 | \$ 33,765 | \$ 83,522 | \$ 83,522 | | |
| Large Commercial and Industrial ⁴ | \$ 281,955 | \$ 14,485 | \$ 13,839 | \$ 20,000 | \$ 16,179 | \$ 23,886 | \$ 10,984 | \$ 10,846 | \$ 16,771 | \$ 34,045 | \$ 9,958 | \$ 7,156 | \$ 13,189 | \$ 191,337 | \$ 473,292 | \$ 473,292 | | |
| Small and Medium Commercial | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | | |
| Residential | \$ 1,752,947 | \$ 10,753 | \$ 11,306 | \$ 27,357 | \$ 16,640 | \$ 90,294 | \$ 98,333 | \$ 102,928 | \$ 70,643 | \$ 51,408 | \$ (14,394) | \$ 18,540 | \$ 44,852 | \$ 528,659 | \$ 2,281,606 | \$ 2,281,606 | | |
| IV. TOTAL UTILITY MARKETING BY CUSTOMER SEGMENT | \$ 2,084,659 | \$ 27,794 | \$ 27,586 | \$ 50,887 | \$ 35,674 | \$ 118,395 | \$ 111,255 | \$ 115,687 | \$ 90,373 | \$ 91,461 | \$ (2,679) | \$ 26,959 | \$ 60,369 | \$ 753,761 | \$ 2,838,420.22 | \$ 2,838,420.22 | \$ 2,650,000 | \$ 13,570,000 |

¹Utility Marketing includes all activities to market individual utility programs or rates, demand response concepts, and customer tools, that were approved or directed by Decision 14-05-025, whether or not the marketing budget was approved as a line item in the Decision. For example, PG&E should not include marketing for TOU and PDP because funding was authorized in another proceeding. However, PG&E must document all amounts spent on marketing individual demand response programs even though a specific marketing budget was not approved for the program. This example applies to all of the utilities. The programs and activities listed in item II of the template are meant as examples, and may not be exhaustive. However, the utilities must include all programs or rates that meet this description. The totals for items II, III and IV should be equal.

**Pacific Gas and Electric Company
2019 Fund Shifting Documentation
December 2019**

FUND SHIFTING DOCUMENTATION PER DECISION 12-04-045 ORDERING PARAGRAPH 4

OP 4: Pacific Gas and Electric Company, San Diego Gas & Electric Company, and Southern California Edison Company:
May not shift funds between categories with two exceptions as stated in Ordering Paragraphs 4 and 5;
May continue to shift up to 50 percent of a Demand Response program's funds to another program within the same budget category, with proper monthly reporting;
Shall not shift funds within the "Pilots" or "Special Projects" categories without submitting a Tier 2 Advice Letter filing;
May shift funds for pilots in the Enabling or Emerging Technologies category;
Shall continue to submit a Tier 2 Advice Letter to eliminate a Demand Response program;
Shall not eliminate a program through multiple fund shifting events or for any other reason without prior authorization from the Commission; and
Shall submit a Tier 2 Advice Letter before shifting more than 50 percent of a program's funds to a different program within the same budget category.

| Program Category | Fund Shift Amount | Programs Impacted | Date | Rationale for Fundshift |
|---|--------------------------|--------------------------|-------------|--------------------------------|
| Category 1: Supply-Side DR Programs | | | | |
| Category 2: Load Modifying DR Programs | | | | |
| Category 3: DRAM and Rule 24/32 | | | | |
| Category 4: Emerging and Enabling Technology | | | | |
| Category 5: Pilots | | | | |
| Category 6: Marketing, Education, and Outreach (ME&O) | | | | |
| Category 7: Portfolio Support (includes EM&V, Systems Support, and Notifications) | | | | |
| Category 8: Integrated Programs and Activities | | | | |
| Total | \$0 | | | |