Pacific Gas and Electric Company Monthly Report On Interruptible Load and Demand Response Programs for February 2018

March 21, 2018

Public

Pacific Gas and Electric Company®

Pacific Gas and Electric Company ("PG&E") hereby submits this report on Interruptible Load and Demand Response Programs for February 2018. 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
February 2018

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

	January			February			March			April			May			June			
PROGRAMS	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Eligible Accounts as of Jan 1, 2017**
PILOT PROGRAMS																			
SSP II (Load Decrease)																			N/A
Non-Residential	30	N/A	N/A	30	N/A	N/A													N/A
Residential	0	N/A	N/A	0	N/A	N/A													N/A
XSP (Load Increase)																			N/A
Non-Residential	6	N/A	N/A	6	N/A	N/A													N/A
Residential	0	N/A	N/A	0	N/A	N/A													N/A
INTERUPTIBLE RELIABILITY PROGRAMS																			
BIP - Day Of	387	291	388	361	279	362													10,935
OBMC	16	0	0	16	0	0													N/A
SLRP	0	0	0	0	0	0													N/A
SmartAC™ - Commercial	0	0	0	0	0	0													N/A
SmartAC™ - Residential	114,841	0	45	112,408	0	44													N/A
Sub-Total Interruptible	**115,244**	**291**	**433**	**112,785**	**279**	**406**													
PRICE-RESPONSIVE PROGRAMS																			
CBP - Day Ahead	0	0	0	0	0	0													596,440
CBP - Day Of	0	0	0	0	0	0													
PDP (200 kW or above)	2,587	12	37	2,583	13	37													5,571
PDP (above 20 kW & below 200 kW)	54,596	7	39	53,491	6	39													91,737
PDP (20 kW or below)	181,940	7	13	180,502	7	13													316,835
SmartRate™ - Residential	122,294	7	24	122,053	7	24													N/A
Sub-Total Price Response	**476,661**	**34**	**114**	**471,414**	**34**	**113**													
Total All Programs	**476,661**	**325**	**547**	**471,414**	**313**	**519**													

	July			August			September			October			November			December			
Programs	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Service Accounts**	**Ex Ante Estimated MW[1]**	**Ex Post Estimated MW[1]**	**Eligible Accounts as of Jan 1, 2017**
PILOT PROGRAMS																			
SSP II (Load Decrease)																			N/A
Non-Residential																			N/A
Residential																			N/A
XSP (Load Increase)																			N/A
Non-Residential																			N/A
Residential																			N/A
INTERUPTIBLE RELIABILITY PROGRAMS																			
BIP - Day of																			10,935
OBMC																			N/A
SLRP																			N/A
SmartAC™ - Commercial																			N/A
SmartAC™ - Residential																			N/A
Sub-Total Interruptible																			
PRICE-RESPONSIVE PROGRAMS																			
CBP - Day Ahead																			596,440
CBP - Day Of																			
PDP (200 kW or above)																			5,571
PDP (above 20 kW & below 200 kW)																			91,737
PDP (20 kW or below)																			316,835
SmartRate™ - Residential																			N/A
Sub-Total Price Response																			
Total All Programs																			

NOTES:

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.

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

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 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 3, 2017 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 3, 2017 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] The 2017 per-customer Ex Ante and Ex Post load MW impacts, based on data as of April 3, 2017, will be used for 2018 January and February ILP reports. The 2018 Ex Ante Load Impacts and Eligible Accounts will reflect in the March ILP 2018 and update the January and February recorded data.

[2] 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.

Program Eligibility and Ex Ante Average Load Impacts [1]

Program	Average Ex Ante Load Impact kW / Customer												Eligible Accounts as of Jan 1, 2017 [1]	Eligibility Criteria (Refer to tariff for specifics)
	January	February	March	April	May	June	July	August	September	October	November	December		
BIP - Day Of	753.06	773.34	779.58	853.08	866.22	874.64	878.77	909.47	868.27	851.46	774.42	742.80	10,935	This schedule is available to bundled-service, Community Choice Aggregation (CCA) Service, and Direct Access (DA) commercial, industrial, and agricultural customers. Each customer, both directly enrolled and those enrolled in an aggregator's portfolio, must take service under the provisions of a demand time-of-use rate schedule to participate in the program and have at least an average monthly demand of 100 kilowatt (kW). Customers being served under Schedules AG-R or AG-V are not eligible for this program. Customers taking service under DA must meet the metering requirements prescribed in the Metering Equipment section of this rate schedule.
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 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	0.35	0.56	0.58	0.55	0.52	0.25	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	138.07	138.07	138.07	138.07	138.07	138.07	N/A	N/A	596,440	A customer may participate in either the Day-Ahead or Day-Of option. A customer with multiple service agreements (SA) may nominate demand reductions from a single SA to either the Day-Of option or Day-Ahead option. An SA may not be nominated to both the Day-Of and Day-Ahead option during a single program month. Customers that receive electric power from third parties (other than through direct access and Community Choice Aggregation) and customers billed for standby service are not eligible for Schedule E-CBP. Eligible customers include those receiving partial standby service or services pursuant to one or more of the Net Energy Metering Service schedules except NEMCCSF.
CBP - Day Of	N/A	N/A	N/A	N/A	22.21	22.21	22.21	22.21	22.21	22.21	N/A	N/A		A customer may participate in either the Day-Ahead or Day-Of option. A customer with multiple service agreements (SA) may nominate demand reductions from a single SA to either the Day-Of option or Day-Ahead option. An SA may not be nominated to both the Day-Of and Day-Ahead option during a single program month. Customers that receive electric power from third parties (other than through direct access andCommunity Choice Aggregation) and customers billed for standby service are not eligible for Schedule E-CBP. Eligible customers include those receiving partial standby service or services pursuant to one or more of the Net Energy Metering Service schedules except NEMCCSF.
PDP (200 kW or above)	4.67	5.03	5.74	12.33	13.12	14.37	14.35	14.78	14.47	12.74	5.79	5.21	5,571	Default beginning on: May 1, 2010 for bundled C&I Customers >200 kW 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)	0.13	0.12	0.12	0.31	0.35	0.40	0.40	0.41	0.40	0.33	0.13	0.13	91,737	
PDP (20 kW or below)	0.04	0.04	0.03	0.05	0.06	0.07	0.07	0.07	0.07	0.05	0.03	0.04	316,835	
SmartRate™ - Residential	0.06	0.06	0.06	0.05	0.10	0.18	0.18	0.18	0.16	0.07	0.06	0.06	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.

NOTE: The average Ex Ante load impacts per customer are based on the load impacts filing on April 3, 2017 (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 from 1 - 6 pm for April through October, and 4 - 9 pm for November through March, on the PG&E system peak day of the month.

[1] The 2017 per-customer Ex Ante and Ex Post load MW impacts, based on data as of April 3, 2017, will be used for 2018 January and February ILP reports. The 2018 Ex Ante Load Impacts and Eligible Accounts will reflect in the March ILP 2018 and update the January and February recorded data.

Program Eligibility and Ex Post Average Load Impacts [1]

Program	Average Ex Post Load Impact kW / Customer												Eligible Accounts as of Jan 1, 2017 [1]	Eligibility Criteria (Refer to tariff for specifics)
	January	February	March	April	May	June	July	August	September	October	November	December		
BIP - Day Of	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	10,935	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	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	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	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	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	Not Available	Residential customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment.
CBP - Day Ahead	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	596,440	Non-residential customers on commercial, industrial, partial standby, or agricultural rate schedules, except those who receive electric power from third parties (other than DA), billed via net metering or full standby services.
CBP - Day Of	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27		Non-residential customers on commercial, industrial, partial standby, or agricultural rate schedules, except those who receive electric power from third parties (other than DA), billed via net metering or full standby services.
PDP (200 kW or above)	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	5,571	Default beginning on: May 1, 2010 for bundled C&I Customers >200 kW 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)	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	91,737	
PDP (20 kW or below)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	316,835	
SmartRateTM - Residential	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	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.

NOTE: The average Ex Ante Load Impacts per customer are based on the load impacts filing on April 3, 2017 (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 from 1 - 6 pm for April through October, and 4 - 9 pm for November through March, on the PG&E system peak day of the month.

[1] The 2017 per-customer Ex Ante and Ex Post load MW impacts, based on data as of April 3, 2017, will be used for 2018 January and February ILP reports. The 2018 Ex Ante Load Impacts and Eligible Accounts will reflect in the March ILP 2018 and update the January and February recorded dat

2018 Detailed Breakdown of MWs To Date in TA/Auto DR/TI Programs

	JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE			
PROGRAM	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**
PILOT PROGRAMS																								
SSP II (Load Decrease)																								
Non-Residential	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
Residential	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
XSP (Load Increase)																								
Non-Residential	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
Residential	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
PRICE-RESPONSIVE PROGRAMS																								
CBP - Day Ahead	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
CBP - Day Of	N/A	**4.2**	0.0	**4.2**	N/A	4.2	0.0	**4.2**																
PDP	N/A	0.0	0.0	**0.0**	N/A	**1.2**	0.0	**1.2**																
SmartRate™ - Residential	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
SmartAC™ - Commercial	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
SmartAC™ - Residential	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
DRAM [2]	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
Total	**N/A**	**4.2**	**0.0**	**4.2**	**N/A**	**5.4**	**0.0**	**5.4**																
INTERUPTIBLE RELIABILITY PROGRAMS																								
BIP - Day of	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
OBMC	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
SLRP	N/A	0.0	0.0	**0.0**	N/A	0.0	0.0	**0.0**																
Total	**N/A**	**0.0**	**0.0**	**0.0**	**N/A**	**0.0**	**0.0**	**0.0**																
TOTAL TECHNOLOGY MWs	**N/A**	**4.2**	**0.0**	**4.2**	**N/A**	**5.4**	**0.0**	**5.4**																
GENERAL PROGRAM																								
TA (may also be enrolled in TI and AutoDR)	0.0	N/A	N/A	N/A	0.0	N/A	N/A	N/A																
Total	**0.0**	N/A	N/A	N/A	**0.0**	N/A	N/A	N/A																
TOTAL TA MWs	**0.0**	**N/A**	**N/A**	**N/A**	**0.0**	**N/A**	**N/A**	**N/A**																

	JULY				AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
PROGRAM	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**	TA Identified MWs	Auto DR Verified MWs [1]	TI Verified MWs	**Total Technology MWs**
PILOT PROGRAMS																								
SSP II (Load Decrease)																								
Non-Residential																								
Residential																								
XSP (Load Increase)																								
Non-Residential																								
Residential																								
PRICE-RESPONSIVE PROGRAMS																								
CBP - Day Ahead																								
CBP - Day Of																								
PDP																								
SmartRate™ - Residential																								
SmartAC™ - Commercial																								
SmartAC™ - Residential																								
DRAM [2]																								
Total																								
INTERUPTIBLE RELIABILITY PROGRAMS																								
BIP - Day of																								
OBMC																								
SLRP																								
Total																								
TOTAL TECHNOLOGY MWs																								
GENERAL PROGRAM																								
TA (may also be enrolled in TI and AutoDR)																								
Total																								
TOTAL TA MWs																								

[1] ADR project payments carry over to the following year. 60% is paid upfront on completion of enrollment and the remaining 40% later on performance during an event season.
[2] As approved in the disposition letter issued September 24, 2015 to advice letter 4618-E-A, customers participating in DRAM are eligible to receive ADR incentives.

Table I-3a
Pacific Gas and Electric Company
Demand Response Programs and Activities
2018-22 Incremental Cost Funding
February 2018

2018 Program Expenditures [1]

Cost Item	2017 Expenditures	January	February	March	April	May	June	July	August	September	October	November	December	Year-to-Date 2018 Expenditures	Program-to-Date 2018 Expenditures	2018 Funding	Fund shift Adjustments	Percent Funding
Category 1: Supply-Side DR Programs																		
AC Cycling: Smart AC	$0	$317,849	$448,616											$766,465	$766,465	$6,396,000		12.0%
Base Interruptible Program (BIP)	$0	$23,290	$24,370											$47,660	$47,660	$32,354,000		
Capacity Bidding Program (CBP)	$0	$23,314	$28,701											$52,015	$52,015	$4,103,000		1.3%
Budget Category 1 Total	$0	$364,454	$501,687	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$866,140	$866,140	$42,853,000	$0	2.0%
Category 2: Load Modifying DR Programs																		
OMBC/SLRP	$0	$592	$319											$911	$911	$12,000		7.6%
Permanent Load Shifting (PLS)	$0	$0	$0											$0	$0	$0		0.0%
Budget Category 2 Total	$0	$592	$319	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$911	$911	$12,000	$0	7.6%
Category 3: DRAM and Rule 24/32																		
DRAM Phase 4	$6,548	$16,035	$18,086											$34,120	$40,668	$6,000,000		0.7%
Rule 24 O&M	$0	$51,505	$77,904											$129,409	$129,409	$2,439,000		5.3%
Budget Category 3 Total	$6,548	$67,540	$95,990	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$163,529	$170,077	$8,439,000	$0	2.0%
Category 4: Emerging & Enabling Programs																		
Auto DR	$0	$29,127	$217,189											$246,316	$246,316	$4,006,000		6.1%
DR Emerging Technology	$0	$22,487	$38,716											$61,204	$61,204	$1,380,000		4.4%
Budget Category 4 Total	$0	$51,614	$255,905	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$307,519	$307,519	$5,386,000	$0	5.7%
Category 5: Pilots																		
Supply Side Pilot	$0	$31,884	$40,429											$72,313	$72,313	$2,083,000		3.5%
Excess Supply	$0	$17,738	$23,677											$41,415	$41,415	$596,000		6.9%
Local Capacity Planning Areas andDisadvantaged Communities Pilot	$0	$0	$0											$0	$0	$0		0.0%
Budget Category 5 Total	$0	$49,621	$64,106	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$113,728	$113,728	$2,679,000	$0	4.2%
Category 6: Marketing, Education, and Outreach (ME&O)																		
DR Core Marketing & Outreach	$0	$74,778	$38,350											$113,128	$113,128	$2,325,000		4.9%
Education and Training	$0	$2,839	$3,043											$5,882	$5,882	$252,000		2.3%
Budget Category 6 Total	$0	$77,616	$41,393	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$119,010	$119,010	$2,577,000	$0	4.6%
Category 7: Portfolio Support (includes EM&V, Systems Support, and Notifications)																		
DR Measurement and Evaluation (DRMEC)	$0	$6,785	$6,414											$13,199	$13,199	$3,007,000		0.4%
DR Integration Policy & Planning	$0	$97,888	$163,959											$261,847	$261,847	$1,576,000		16.6%
Support for Market Activities	$0	$60,947	$110,705											$171,651	$171,651	$3,791,000		4.5%
Support for Retail & Customer Facing Activities	$0	$221,454	$194,161											$415,615	$415,615	$4,235,000		9.8%
DR Potential Study	$0	$0	$0											$0	$0	$400,000		0.0%
Budget Category 7 Total	$0	$387,074	$475,239	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$862,313	$862,313	$13,009,000	$0	6.6%
Category 8: Integrated Programs and Activities (Including Technical Assistance) [2]																		
Technology Incentives - IDSM	$0	$0	$0											$0	$0	$2,000,000		0.0%
Integrated Energy Audits	$0	$0	$0											$0	$0	$1,264,000		0.0%
Budget Category 8 Total	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,264,000	$0	0.0%
Recovery of DR-related capital costs prior to 2009 (for interval metering as authorized in D.06-03-024/D.06-11-049); and, additionally, for the HAN Integration project (as authorized in D.12-04-045).	$0	$195,972	$173,771											$369,744	$369,744	$0	$0	0.0%
Total Incremental Cost [3]	$6,548	$1,194,484	$1,608,410	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$2,802,894	$2,809,442	$78,219,000	$0	3.6%

Technical Assistance & Technology Incentives (TA&TI) Identified as of February 2018	$0

[1] The expenditures listed are in support of PG&E's DR programs for large commercial, industrial and agricultural customers.
[2] Additional funding for Technology Incentives and Integrated Energy Audits was approved in Energy Efficiency Decision 14-10-046. This funding will continue through 2025 unless the Commission issues a superseding funding decision.
[3] Total Incremental Cost excludes incentives. Incentives are reported on Table I-5.

Table I-3b
Pacific Gas and Electric Company
Demand Response Programs and Activities
Carry-Over Expenditures and Funding
February 2018

Cost Item [1]	January	February	March	April	May	June	July	August	September	October	November	December	Carry-Over Expenditures incurred in 2018
Category 1: Reliability Programs													
Base Interruptible Program (BIP)	$3,174	($3,106)											$68
Optional Bidding Mandatory Curtailment / Scheduled Load Reduction (OBMC / SLRP)	$280	$364											$643
Budget Category 1 Total	**$3,453**	**($2,742)**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$711**
Category 2: Price-Responsive Programs													
Capacity Bidding Program (CBP)	$3,801	($2,767)											$1,034
SmartAC™	$23,723	($52,579)											($28,856)
Budget Category 2 Total	**$27,524**	**($55,346)**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**($27,822)**
Category 3: DR Provider/Aggregator Managed Programs													
Aggregator Managed Portfolio (AMP)	$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	$4,839	$54,689											$59,528
DR Emerging Technology	$5,871	$600											$6,470
Budget Category 4 Total	**$10,710**	**$55,289**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$65,998**
Category 5: Pilots													
Supply Side Pilot	$5,687	$1,705											$7,392
Excess Supply	$5,130	$1,266											$6,396
Budget Category 5 Total	**$10,817**	**$2,970**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$13,788**
Category 6: Evaluation, Measurement and Verification													
DRMEC	$133,076	$344,543											$477,619
DR Research Studies	$10,000	$8,000											$18,000
Budget Category 6 Total	**$143,076**	**$352,543**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$495,619**
Category 7: Marketing, Education and Outreach													
DR Core Marketing and Outreach	$4,175	($2,529)											$1,646
SmartAC™ ME&O	$12,048	$4,559											$16,607
Education and Training	$946	($1,388)											($442)
Budget Category 7 Total	**$17,169**	**$642**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$17,811**
Category 8: DR System Support Activities													
InterAct / DR Forecasting Tool	$123,472	$137,825											$261,297
DR Enrollment & Support [2]	($513,756)	$107,793											($405,964)
Notifications	$59,445	$68,445											$127,890
DR Integration Policy & Planning	$25,928	($13,276)											$12,651
Budget Category 8 Total	**($304,911)**	**$300,787**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**($4,125)**
Category 9: Integrated Programs and Activities (Including Technical Assistance)													
Technology Incentives - IDSM	$0	$0											$0
Integrated Energy Audits	$8,539	($889)											$7,649
Budget Category 9 Total	**$8,539**	**($889)**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$7,649**
Category 10: Special Projects													
Demand Response Auction Mechanism Pilot Phase 1	$0	$0											$0
Demand Response Auction Mechanism Pilot Phase 2	$9,853	$1,410											$11,262
Demand Response Auction Mechanism Pilot Phase 3	$11,954	$6,758											$18,712
Rule 24 O&M	$410	$0											$410
Permanent Load Shifting	$6,927	$145											$7,072
Budget Category 10 Total	**$29,143**	**$8,313**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$37,456**
Total Incremental Cost	**($54,481)**	**$661,566**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$607,085**

[1] Expenditures on this page reflect expenses incurred in 2018 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
February 2018

Program Name	Month	Zones [1]	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 1: Reliability Programs											
Base Interruptible Program											
Optional Bidding Mandatory Curtailment (OBMC) / Scheduled Load Reduction (SLRP)											
Category 2: Price-Responsive Programs											
Capacity Bidding Program											
Peak Day Pricing											
SmartAC											
SmartRate											

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 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.

[1] Ex Ante Estimated MW = In compliance with Decision 08-04-050, the values presented herein are based on the April 3, 2017 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.

[2] Ex Post Estimated MW = In compliance with Decision 08-04-050, the values presented herein are based on the April 3, 2017 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.

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

Table I-5a
Pacific Gas and Electric Company
2018-22 Demand Response Programs Incentives
February 2018

Annual Total Cost													
Cost Item	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**October**	**November**	**December**	**Year-to-Date Total Cost**
Program Incentives													
Automatic Demand Response (AutoDR)	$0	$0											$0
Base Interruptible Program (BIP)	$1,661,645	$1,967,373											$3,629,018
Capacity Bidding Program (CBP) [1]	$0	$0											$0
Excess Supply Pilot	$18,600	21,425											$40,025
SmartAC™	$0	$0											$0
Supply Side Pilot	$9,440	$7,961											$17,400
Total Cost of Incentives	$1,689,685	$1,996,758	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,686,443
Revenues from Penalties [2]	$0												$0

[1] Incentives reported are net of penalties paid by the aggregators.
[2] Revenues from Penalties denote penalty/default payments made by aggregators and charges to direct enrolled customers enrolled in BIP programs.

Table I-5b
Pacific Gas and Electric Company
Demand Response Programs and Activities
Carryover and Incentive Funding
February 2018

Cost Item [1]	January	February	March	April	May	June	July	August	September	October	November	December	Carry-Over Incentives incurred in 2018
Annual Total Cost													
Program Incentives													
Automatic Demand Response (AutoDR)	$53,246	$136,986	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$190,232
Base Interruptible Program (BIP)	($15,302)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	($15,302)
Capacity Bidding Program (CBP)	($16,824)	($330)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	($17,154)
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	$6,894	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6,894
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™	$0	$4,750	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$4,750
Total Cost of Incentives	**$21,120**	**$148,300**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$169,420**
Revenues from Penalties	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

[1] Incentives on this page reflect incentives paid in 2018 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
February 2018

PG&E's ME&O Actual Expenditures	2018-22 Funding Cycle Customer Communication, Marketing, and Outreach												Year-to-Date 2018 Expenditures	2018 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 ACTIVITY[1]															
TOTAL AUTHORIZED UTILITY MARKETING BUDGET	[redacted]													$2,577,000	$13,570,000
PROGRAMS, RATES & ACTIVITES WHICH DO NOT REQUIRE ITEMIZED ACCOUNTING															
Integrated 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		
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		
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		
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		
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		
Enabling Technologies (e.g., AutoDR, TI)	$ 7,958	$ 9,640											$ 17,598		
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		
Customer Awareness, Education and Outreach	$ 11,937	$ 14,460											$ 26,397		
PROGRAMS & RATES WHICH REQUIRE ITEMIZED ACCOUNTING															
SmartAC	$ 57,722	$ 17,294	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 75,015		
Customer Research													$ -		
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	$ 51,699	$ 1,864											$ 53,563		
Labor	$ 6,023	$ 15,430											$ 21,453		
Paid Media													$ -		
Other Costs													$ -		
II. TOTAL UTILITY MARKETING BY ACTIVITY	$ 77,616	$ 41,393	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 119,010	$ 2,577,000	$ 13,570,000
III. UTILITY MARKETING BY ITEMIZED COST															
Customer Research													$ -		
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	$ 51,699	$ 1,864											$ 53,563		
Labor	$ 25,918	$ 39,530											$ 65,447		
Paid Media													$ -		
Other Costs													$ -		
III. TOTAL UTILITY MARKETING BY ITEMIZED COST	$ 77,616	$ 41,393	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 119,010	$ 2,577,000	$ 13,570,000
IV. UTILITY MARKETING BY CUSTOMER SEGMENT															
Agricultural	$ 2,984	$ 3,615											$ 6,599		
Large Commercial and Industrial	$ 16,911	$ 20,485											$ 37,395		
Small and Medium Commercial	$ -	$ -											$ -		
Residential	$ 57,722	$ 17,294											$ 75,015		
IV. TOTAL UTILITY MARKETING BY CUSTOMER SEGMENT	$ 77,616	$ 41,393	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 119,010	$ 2,577,000	$ 13,570,000

[1]Utility 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
2017 Fund Shifting Documentation
February 2018

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**			