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



April 19, 2019
Public

Pacific Gas and Electric Company ("PG&E") hereby submits this report on Interruptible Load and Demand Response Programs for March 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
March 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 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	Service Accounts	Ex Ante Estimated MW ¹	Ex Post Estimated MW ¹	
PILOT PROGRAMS²																			
SSP II (Load Decrease)																			
Non-Residential ⁵																			N/A
Residential	34	N/A	N/A	36	N/A	N/A	37	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										N/A
Residential	0	N/A	N/A	0	N/A	N/A	0	N/A	N/A										N/A
INTERRUPTIBLE RELIABILITY PROGRAMS⁴																			
BIP - Day Of	473	236	279	421	218	249	473	256	279										10,935
OBMC	16	0	0	16	0	0	16	0	0										N/A
SLRP	0	0	0	0	0	0	0	0	0										N/A
SmartAC™ - Commercial	0	0	0	0	0	0	0	0	0										N/A
SmartAC™ - Residential	108,211	0	54	107,354	0	54	106,475	0	53										N/A
Sub-Total Interruptible	108,700	236	334	107,791	218	302	106,964	256	333										
PRICE-RESPONSIVE PROGRAMS³																			
CBP - Day Ahead	0	0	0	0	0	0	0	0	0										603,881
PDP (200 kW or above)	1,543	6	0	1,428	5	0	1,410	5	0										7,299
PDP (above 20 kW & below 200 kW)	29,937	2	7	27,979	2	6	27,691	2	6										95,833
PDP (20 kW or below)	105,256	0	7	104,326	0	7	103,605	0	7										315,414
SmartRate™ - Residential	88,309	8	18	77,281	7	15	76,503	6	15										N/A
Sub-Total Price Response	225,045	15	32	211,014	13	29	209,209	13	29										
Total All Programs	333,745	251	365	318,805	231	332	316,173	269	362										
Programs	July			August			September			October			November			December			Eligible Accounts as of Jan 1, 2019 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	Service Accounts	Ex Ante Estimated MW ¹	Ex Post Estimated MW ¹	
PILOT PROGRAMS²																			
SSP II (Load Decrease)																			
Non-Residential																			N/A
Residential																			N/A
XSP (Load Increase)																			
Non-Residential																			N/A
Residential																			N/A
INTERRUPTIBLE RELIABILITY PROGRAMS⁴																			
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OBMC																			N/A
SLRP																			N/A
SmartAC™ - Commercial																			N/A
SmartAC™ - Residential																			N/A
Sub-Total Interruptible																			
PRICE-RESPONSIVE PROGRAMS³																			
CBP - Day Ahead																			603,881
PDP (200 kW or above)																			7,299
PDP (above 20 kW & below 200 kW)																			95,833
PDP (20 kW or below)																			315,414
SmartRate™ - Residential																			N/A
Sub-Total Price Response																			
Total All Programs																			

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 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 2, 2018 (R.13-09-011) 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, 2018 (R.13-09-011) 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 The 2018 Ex Ante and Ex Post Load Impacts and Eligible Accounts reflect and update the January, February, and March recorded data in the April 2019 ILP Report.

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.

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

⁴ 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.

⁵ Revised February Non-residential SSP II (Load Decrease) Service Account count.

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

Program Eligibility and Ex Ante Average Load Impacts ¹

Program	Average Ex Ante Load Impact kW / Customer												Eligible Accounts as of Jan 1, 2018 ¹	Eligibility Criteria (Refer to tariff for specifics)
	January	February	March	April	May	June	July	August	September	October	November	December		
BIP - Day Of	499.47	517.01	542.25	580.65	597.58	624.48	611.84	609.35	609.06	588.82	527.97	525.49	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	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	0.24	0.49	0.54	0.48	0.46	0.13	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	603,881	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)	3.69	3.53	3.39	7.73	7.88	8.00	7.98	8.26	8.61	8.09	3.27	3.10	7,299	Default beginning on: May 1, 2010 for bundled C&I Customers >200kW
PDP (above 20 kW & below 200 kW)	0.06	0.06	0.05	0.19	0.21	0.23	0.23	0.24	0.23	0.20	0.06	0.06	95,833	Maximum Demand; February 1st, 2011 for large bundled Ag customers; November 2014 for bundled C&I Customers with <200 kW Maximum Demand
PDP (20 kW or below)	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	315,414	and 12 consecutive months of interval data.
SmartRate™ - Residential	0.09	0.09	0.08	0.09	0.13	0.17	0.19	0.18	0.18	0.11	0.09	0.09	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, 2018 (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, an 4 - 9 pm for November through March, on the PG&E system peak day of the month.

¹ The 2018 Ex Ante Load Impacts and Eligible Accounts reflect and update the January, February, and March recorded data in the April 2018 ILP Report.

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

Program Eligibility and Ex Post Average Load Impacts ¹

Program	Average Ex Post Load Impact kW / Customer												Eligible Accounts as of Jan 1, 2018 ¹	Eligibility Criteria (Refer to tariff for specifics)
	January	February	March	April	May	June	July	August	September	October	November	December		
BIP - Day Of	590.40	590.40	590.40	590.40	590.40	590.40	590.40	590.40	590.40	590.40	590.40	590.40	10,907	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	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	Not Available	Residential customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment.
CBP - Day Ahead	26.84	26.84	26.84	26.84	26.84	26.84	26.84	26.84	26.84	26.84	26.84	26.84	603,881	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)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	7,299	Default beginning on: May 1, 2010 for bundled C&I Customers >200kW
PDP (above 20 kW & below 200 kW)	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	95,833	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 (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	315,414	
SmartRate™ - 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.

The average ex post load impacts per customer are based on the load impacts filing on April 2, 2018 (R.13-09-011). Estimated Average Ex Post Load Impact kW / Customer = Average kW / Customer service account from the typical event for the preceeding 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.

¹ The 2018 Ex Post Load Impacts and Eligible Accounts reflect and update the January, February, and March recorded data in the April 2018 ILP Report.

Table I-2
 Pacific Gas and Electric Company
 Program Subscription Statistics
 March 2019

PROGRAM	JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE					
	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	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	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	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	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0										
PRICE-RESPONSIVE PROGRAMS																										
CBP	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0														
PDP	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0														
SmartRate™ - Residential	N/A	0.0	0.0	0.0	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	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	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	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	N/A	0.0	0.0	0.0														
INTERRUPTIBLE RELIABILITY PROGRAMS																										
BIP - Day of	N/A	0.0	0.0	0.0	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	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	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	N/A	0.0	0.0	0.0														
TOTAL TECHNOLOGY MWs	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0	N/A	0.0	0.0	0.0														
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	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	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	0.0	N/A	N/A	N/A														

PROGRAM	JULY				AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER						
	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)																											
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XSP (Load Increase)																											
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Total																											
TOTAL TECHNOLOGY MWs																											
GENERAL PROGRAM																											
TA (may also be enrolled in TI and AutoDR)																											
Total																											
TOTAL TA MWs																											

¹ADR Non-Residential MWs are verified after installation of the equipment and customers have been paid 60% incentive for customers >200 kW. Actual performance is measured after the first full year of DR program participation and the remaining 40% incentive is paid based on performance values. Office and Retail <499 kW excepted and paid at 100%. Unable to verify IR
²As 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 but PG&E is unable to determine the capacity associated with these ADR-enabled devices.

Table I-3a
Pacific Gas and Electric Company
Demand Response Programs and Activities
2018-22 Incremental Cost Funding
March 2019

2018 Program Expenditures¹

Cost Item	2017 Expenditures	2018 Expenditures	January	February	March	April	May	June	July	August	September	October	November	December	Year-to-Date 2019 Expenditures	Program-to-Date 2019 Admin Expenditures	2018-22 Funding ³	Fund shift Adjustments	Percent Funding ³
Category 1: Supply-Side DR Programs																			
AC Cycling: Smart AC	\$0	\$4,906,619	\$243,948	\$183,028	\$293,765										\$720,741	\$5,627,360	\$31,978,000		18.5%
Base Interruptible Program (BIP)	\$0	\$353,891	\$23,166	\$29,856	\$29,288										\$82,309	\$436,200	\$161,770,000		19.8%
Capacity Bidding Program (CBP)	\$0	\$411,485	\$26,308	\$32,621	\$31,902										\$90,832	\$502,317	\$20,518,000		10.3%
Budget Category 1 Total	\$0	\$5,671,995	\$293,422	\$245,505	\$354,956										\$893,882	\$6,565,877	\$214,266,000	\$0	3.1%
Category 2: Load Modifying DR Programs																			
OMBC/SLRP	\$0	\$6,618	\$677	\$312	\$701										\$1,690	\$8,308	\$63,000		13.2%
Permanent Load Shifting (PLS)	\$0	\$0	\$0	\$0	\$0										\$0	\$0	\$0		0.0%
Budget Category 2 Total	\$0	\$6,618	\$677	\$312	\$701										\$1,690	\$8,308	\$63,000	\$0	13.2%
Category 3: DRAM and Rule 24/32																			
DRAM Phase 4	\$6,548	\$117,661	\$5,485	\$19,067	\$17,268										\$41,821	\$166,029	\$6,000,000		2.8%
Rule 24 O&M	\$0	\$978,544	\$85,898	\$84,096	\$216,073										\$386,067	\$1,364,611	\$12,931,000		10.6%
Budget Category 3 Total	\$6,548	\$1,096,205	\$91,383	\$103,163	\$233,341										\$427,887	\$1,530,640	\$18,931,000	\$0	8.1%
Category 4: Emerging & Enabling Programs																			
Auto DR	\$0	\$2,289,176	\$160,229	\$152,867	\$138,107										\$451,204	\$2,740,380	\$20,446,000		13.4%
DR Emerging Technology	\$0	\$612,928	\$71,805	\$46,599	\$39,294										\$157,698	\$770,626	\$7,230,000		10.7%
Budget Category 4 Total	\$0	\$2,902,104	\$232,034	\$199,466	\$177,402										\$608,902	\$3,511,006	\$27,676,000	\$0	12.7%
Category 5: Pilots																			
Supply Side Pilot	\$0	\$531,947	\$33,774	\$65,589	\$149,473										\$248,837	\$780,784	\$6,337,000		14.2%
Excess Supply	\$0	\$402,119	\$23,102	\$29,516	\$32,193										\$84,811	\$486,930	\$1,813,000		40.5%
Local Capacity Planning Areas and Disadvantaged Communities Pilot	\$0	\$0	\$0	\$0	\$0										\$0	\$0	\$1,000,000		0.0%
Budget Category 5 Total	\$0	\$934,066	\$56,876	\$95,105	\$181,666										\$333,648	\$1,267,714	\$9,150,000	\$0	13.9%
Category 6: Marketing, Education, and Outreach (ME&O)																			
DR Core Marketing & Outreach	\$0	\$2,117,477	\$22,924	\$25,283	\$43,391										\$91,598	\$2,209,075	\$12,221,000		18.1%
Education and Training	\$0	\$59,672	\$4,871	\$2,304	\$7,495										\$14,670	\$74,341	\$1,350,000		5.5%
Budget Category 6 Total	\$0	\$2,177,149	\$27,794	\$27,586	\$50,887										\$106,267	\$2,283,417	\$13,571,000	\$0	16.8%
Category 7: Portfolio Support (includes EM&V, Systems Support, and Notifications)																			
DR Measurement and Evaluation (DRMEC)	\$0	\$828,689	\$198,258	\$233,062	\$141,913										\$573,233	\$1,401,923	\$11,777,000		11.9%
DR Integration Policy & Planning	\$0	\$1,659,483	\$106,175	\$126,824	\$173,797										\$406,795	\$2,066,278	\$8,386,000		24.6%
Support for Market Activities	\$0	\$2,574,481	\$366,080	\$514,739	\$311,098										\$1,191,917	\$3,766,398	\$13,524,000		27.8%
Support for Retail & Customer Facing Activities	\$0	\$5,005,602	\$306,198	\$95,130	\$351,166										\$752,494	\$5,758,096	\$19,928,000		26.9%
DR Potential Study	\$0	\$0	\$0	\$0	\$0										\$0	\$0	\$2,000,000		0.0%
Budget Category 7 Total	\$0	\$10,068,255	\$976,711	\$969,755	\$977,974										\$2,924,439	\$12,992,694	\$55,615,000	\$0	23.4%
Category 8: Integrated Programs and Activities (Including Technical Assistance)²																			
Technology Incentives - IDSMM	\$0	\$0	\$0	\$0	\$0										\$0	\$0	\$0		0.0%
Integrated Energy Audits	\$0	\$30,321	\$0	\$0	\$0										\$0	\$30,321	\$30,321		100.0%
Residential IDSMM	\$0	\$0	\$0	\$0	\$0										\$0	\$0	\$5,000,000		0.0%
Non Residential IDSMM	\$0	\$0	\$0	\$0	\$0										\$0	\$0	\$39,969,679		0.0%
Budget Category 8 Total	\$0	\$30,321	\$0	\$0	\$0										\$0	\$30,321	\$45,000,000	\$0	0.1%
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	\$1,992,495	\$162,424	\$162,281	\$161,109										\$485,813	\$2,478,309	\$0	\$0	0.0%
Total Incremental Cost³	\$6,548	\$24,879,208	\$1,841,322	\$1,803,173	\$2,138,035										\$5,782,530	\$30,668,285	\$384,272,000	\$0	8.0%
Technical Assistance & Technology Incentives (TA&TI) Identified as of March 2019																			
	\$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 was to continue through 2025 unless the Commission issues a superseding funding decision. On May 31 2018, the Commission issued a superseding decision via the EE Business Plan which allocated \$9m to PG&E for IDSMM projects (\$1m to Residential and \$8m to non-Residential). Since the funding was approved after the cycle had started, PG&E incurred some costs for Integrated Energy Audits prior to the decision being issued - those funds have now been redirected as per the EE Business Plan decision.

³ Total Incremental Cost excludes incentives (only Admin costs are reported here). Incentives are reported on Table I-5. 2018-22 Funding and Percent Funding includes incentives (reported on Table I-5) to accurately show budget used.

**Table I-3b
Pacific Gas and Electric Company
Demand Response Programs and Activities
Carry-Over Expenditures and Funding
March 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
Optional Bidding Mandatory Curtailment / Scheduled Load Reduction (OBMC / SLRP)	\$0	\$0	\$0										\$0
Budget Category 1 Total	\$0	\$0	\$0										\$0
Category 2: Price-Responsive Programs													
Capacity Bidding Program (CBP)	\$0	\$0	\$0										\$0
SmartAC™	\$0	\$0	\$0										\$0
Budget Category 2 Total	\$0	\$0	\$0										\$0
Category 3: DR Provider/Aggregator Managed Programs													
Aggregator Managed Portfolio (AMP)	\$0	\$0	\$0										\$0
Budget Category 3 Total	\$0	\$0	\$0										\$0
Category 4: Emerging & Enabling Programs													
Auto DR	\$19,920	\$39,540	\$51,500										\$110,960
DR Emerging Technology	\$0	\$0	\$0										\$0
Budget Category 4 Total	\$19,920	\$39,540	\$51,500										\$110,960
Category 5: Pilots													
Supply Side Pilot	\$0	\$0	\$0										\$0
Excess Supply	\$0	\$0	\$0										\$0
Budget Category 5 Total	\$0	\$0	\$0										\$0
Category 6: Evaluation, Measurement and Verification													
DRMEC	\$0	\$0	\$0										\$0
DR Research Studies	\$20,000	\$10,000	\$57,387										\$87,387
Budget Category 6 Total	\$20,000	\$10,000	\$57,387										\$87,387
Category 7: Marketing, Education and Outreach													
DR Core Marketing and Outreach	\$0	\$0	\$0										\$0
SmartAC™ ME&O	(\$384)	\$5,817	(\$5,817)										(\$384)
Education and Training	\$0	\$0	\$255										\$255
Budget Category 7 Total	(\$384)	\$5,817	(\$5,562)										(\$129)
Category 8: DR System Support Activities													
InterAct / DR Forecasting Tool	\$0	\$0	\$0										\$0
DR Enrollment & Support ²	\$0	\$0	\$0										\$0
Notifications	\$65	\$0	\$0										\$65
DR Integration Policy & Planning	\$0	\$0	\$0										\$0
Budget Category 8 Total	\$65	\$0	\$0										\$65
Category 9: Integrated Programs and Activities (Including Technical Assistance)													
Technology Incentives - IDSM	\$0	\$0	\$0										\$0
Integrated Energy Audits	(\$1,527)	\$0	\$0										(\$1,527)
Budget Category 9 Total	(\$1,527)	\$0	\$0										(\$1,527)
Category 10: Special Projects													
Demand Response Auction Mechanism Pilot Phase 1	\$0	\$0	\$0										\$0
Demand Response Auction Mechanism Pilot Phase 2	\$627	(\$470)	\$434										\$592
Demand Response Auction Mechanism Pilot Phase 3	\$7,897	\$24,060	\$22,067										\$54,024
Rule 24 O&M	\$0	\$0	\$0										\$0
Permanent Load Shifting	\$3,461	\$5,672	\$700										\$9,833
Budget Category 10 Total	\$11,985	\$29,263	\$23,201										\$64,449
Total Incremental Cost	\$50,060	\$84,619	\$126,526										\$261,206

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
March 2019**

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	FEB	SLAP_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 (Bay Area) PGEB ; Fresno PGF1 ; Geysers PGFG ; Humbolt PGHB ; Kern PGKN ; North Bay PGNB ; North Coast PGNC ; North of Path 15 PGNP ; Peninsula (Bay Area) PGP2 ; San Francisco (Bay Area) PGSF ; Sierra PGSI ; South Bay (Bay Area) 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											
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
March 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
Base Interruptible Program (BIP)	\$26,647,119	\$1,773,680	\$ 1,375,018	\$ 1,718,461										\$4,867,160	\$31,514,279
Capacity Bidding Program (CBP) ¹	\$1,612,847	\$4,361	\$0	(\$884)										\$3,478	\$1,616,325
DRAM Phase 4 ²	REDACTED	REDACTED	REDACTED	REDACTED										REDACTED	REDACTED
Excess Supply Pilot	\$213,683	\$12,168	\$22,650	(\$2,019)										\$32,799	\$246,482
SmartAC™	\$265,350	\$1,100	\$750	\$23,500										\$25,350	\$290,700
Supply Side Pilot	\$91,720	\$15,465	\$9,600	\$3,136										\$28,201	\$119,921
Total Cost of Incentives	\$28,830,720	\$1,806,774	\$1,408,018	\$1,742,195										\$4,956,988	\$33,787,707
Revenues from Penalties ³	\$ 646,138	\$185,994	\$0	\$0										\$185,994	\$832,132

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
March 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
Base Interruptible Program (BIP)	\$0	\$0	\$0										\$0
Capacity Bidding Program (CBP)	\$0	\$0	\$0										\$0
DRAM Phase 1 ²	REDACTED	REDACTED	REDACTED										REDACTED
DRAM Phase 2 ²	REDACTED	REDACTED	REDACTED										REDACTED
DRAM Phase 3 ²	REDACTED	REDACTED	REDACTED										REDACTED
Excess Supply Pilot	\$0	\$0	\$0										\$0
Permanent Load Shift	\$0	\$0	\$0										\$0
Supply Side Pilot	\$0	\$0	\$0										\$0
SmartAC™	\$1,550	\$20	\$0										\$1,570
Total Cost of Incentives	\$1,550	\$20	\$0										\$1,570
Revenues from Penalties	\$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
March 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																		
IYOU 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																		
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	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		
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		
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		
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		
Enabling Technologies (e.g., AutoDR, TI)	\$ 132,685	\$ 6,816	\$ 6,512	\$ 9,511											\$ 22,839	\$ 155,523.95		
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		
Customer Awareness, Education and Outreach	\$ 199,027	\$ 10,225	\$ 9,769	\$ 14,266											\$ 34,260	\$ 233,286.94		
PROGRAMS & RATES WHICH REQUIRE ITEMIZED ACCOUNTING																		
SmartAC	\$ 1,752,947	\$ 10,753	\$ 11,306	\$ 27,357											\$ 49,416	\$ 1,802,362.83		
Customer Research	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$ 1,598,611	\$ 787	\$ 3,599	\$ 14,402											\$ 18,788	\$ 1,617,399		
Labor	\$ 137,890	\$ 9,966	\$ 7,706	\$ 12,955											\$ 30,628	\$ 168,518		
Paid Media	\$ -	\$ -	\$ -	\$ -											\$ -	\$ -		
Other Costs	\$ 16,446	\$ -	\$ -	\$ -											\$ -	\$ 16,446		
II. TOTAL UTILITY MARKETING BY ACTIVITY	\$ 2,084,659	\$ 27,794	\$ 27,586	\$ 51,134	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 106,515	\$ 2,191,173.72	\$ 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											\$ 18,840	\$ 1,735,023		
Labor	\$ 339,335	\$ 25,601	\$ 22,633	\$ 36,740											\$ 84,973	\$ 424,308		
Paid Media	\$ -	\$ -	\$ -	\$ -											\$ -	\$ -		
Other Costs	\$ 29,141	\$ 1,355	\$ 1,355	\$ -											\$ 2,709	\$ 31,850		
III. TOTAL UTILITY MARKETING BY ITEMIZED COST	\$ 2,084,659	\$ 27,794	\$ 27,586	\$ 51,142	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 106,522	\$ 2,191,181.24	\$ 2,650,000	\$ 13,570,000
IV. UTILITY MARKETING BY CUSTOMER SEGMENT																		
Agricultural	\$ 49,757	\$ 2,556	\$ 2,442	\$ 3,568											\$ 8,566	\$ 58,323		
Large Commercial and Industrial	\$ 281,955	\$ 14,485	\$ 13,839	\$ 20,217											\$ 48,541	\$ 330,496		
Small and Medium Commercial	\$ -	\$ -	\$ -	\$ -											\$ -	\$ -		
Residential	\$ 1,752,947	\$ 10,753	\$ 11,306	\$ 27,357											\$ 49,416	\$ 1,802,363		
IV. TOTAL UTILITY MARKETING BY CUSTOMER SEGMENT	\$ 2,084,659	\$ 27,794	\$ 27,586	\$ 51,142	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 106,522	\$ 2,191,181.24	\$ 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
March 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			