
Pacific Gas and Electric Company Monthly Report On Interruptible Load and Demand Response
Programs for April 2020



May 21, 2020
Public

Pacific Gas and Electric Company ("PG&E") hereby submits this report on Interruptible Load and Demand Response Programs for April 2020. 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
April 2020**

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, 2020 ⁴	
	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 ⁶	Ex Post Estimated MW	Service Accounts	Ex Ante Estimated MW	Ex Post Estimated MW		
PILOT PROGRAMS¹																				
SSP II (Load Decrease)																				
Non-Residential																			N/A	
Residential	37	N/A	N/A	37	N/A	N/A	37	N/A	N/A	44	N/A	N/A							N/A	
XSP (Load Increase)	0	N/A	N/A	0	N/A	N/A	0	N/A	N/A	0	N/A	N/A							N/A	
Non-Residential	23	N/A	N/A	23	N/A	N/A	23	N/A	N/A	23	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							N/A	
INTERRUPTIBLE RELIABILITY PROGRAMS³																				
BIP - Day Of	487	242	253	483	248	251	479	256	249	478	273	248							10,935	
OBMC	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							N/A	
SmartAC™ - Commercial	0	0	0	0	0	0	0	0	0	0	0	0							N/A	
SmartAC™ - Residential	96,187	0	30	95,514	0	30	94,887	0	29	94,422	0	29							N/A	
Sub-Total Interruptible	96,690	242	283	96,013	248	280	95,382	256	278	94,916	273	277								
PRICE-RESPONSIVE PROGRAMS²																				
CBP - Day Ahead	0	0	0	0	0	0	0	0	0	0	0	0							603,881	
PDP (200 kW or above)	1,226	7	17	1,212	7	17	3,140	17	44	3,089	18	43							7,299	
PDP (above 20 kW & below 200 kW)	23,231	0	3	23,038	0	3	14,158	0	2	14,015	0	2							95,833	
PDP (20 kW or below)	84,199	0	0	83,586	0	0	89,337	0	0	88,251	0	0							315,414	
SmartRate™ - Residential	65,891	2	11	66,070	2	11	66,241	2	11	66,375	3	11							N/A	
Sub-Total Price Response	174,547	8	31	173,906	8	31	172,876	19	57	171,730	21	56								
Total All Programs	271,237	250	314	269,919	256	311	268,258	275	335	266,646	294	333								
July																				
August																				
September																				
October																				
November																				
December																				
PILOT PROGRAMS¹																				
SSP II (Load Decrease)																				
Non-Residential																				N/A
Residential																				N/A
XSP (Load Increase)																				N/A
Non-Residential																				N/A
Residential																				N/A
INTERRUPTIBLE RELIABILITY PROGRAMS³																				
BIP - Day of																				10,935
OBMC																				N/A
SLRP																				N/A
SmartAC™ - Commercial																				N/A
SmartAC™ - Residential																				N/A
Sub-Total Interruptible																				N/A
PRICE-RESPONSIVE PROGRAMS²																				
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, 2019 (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, 2019 (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 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 The current number of eligible accounts for January 2020 are from the load impact filing from April 2019. Eligible account numbers will be updated following the 2020 load impact filing.

Pacific Gas and Electric Company
Average Ex Ante Load Impact kW / Customer
April 2020

Program Eligibility and Ex Ante Average Load Impacts¹

Program	Average Ex Ante Load Impact kW / Customer												Eligible Accounts as of Jan 1, 2020	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
April 2020

Program Eligibility and Ex Post Average Load Impacts ¹

Program	Average Ex Post Load Impact kW / Customer												Eligible Accounts as of Jan 1, 2020	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	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	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	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	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	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	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	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	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	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	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 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.

Table I-2
Pacific Gas and Electric Company
Program Subscription Statistics
April 2020

2020 Detailed Breakdown of MWs To Date in TA/Auto DR/TI Programs																									
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	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
Residential	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
XSP (Load Increase)																									
Non-Residential	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
Residential	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
PRICE-RESPONSIVE PROGRAMS																									
CBP	N/A	0.2	N/A	0.2	N/A	2.5	N/A	2.5	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
PDP	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
SmartRate™ - Residential	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
SmartAC™ - Commercial	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
SmartAC™ - Residential	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
DRAM ²	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
Total	N/A	0.2	N/A	0.2	N/A	2.5	N/A	2.5	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0									
INTERRUPTIBLE RELIABILITY PROGRAMS																									
BIP - Day of	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									
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	N/A	N/A	N/A	N/A									
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	N/A	N/A	N/A	N/A									
Total	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									
TOTAL TECHNOLOGY MWs	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									
GENERAL PROGRAM																									
TA (may also be enrolled in TI and AutoDR)	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									
Total	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									
TOTAL TA MWs	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									
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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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
April 2020**

2020 Program Expenditures ¹

Cost Item	2019 Expenditures	January	February	March	April	May	June	July	August	September	October	November	December	Year-to-Date Expenditures ²	Total Funding Cycle Expenditures to Date	2018-22 Authorized Funding ³	Fund shift Adjustments	Percent Funding ³	
Category 1: Supply-Side DR Programs																			
AC Cycling Smart AC	\$2,924,042	\$214,434	\$146,371	\$141,305	\$121,496									\$623,606	\$7,830,661	\$31,978,000		25.5%	
Base Interruptible Program (BIP)	\$335,272	\$21,286	\$37,288	\$18,224	\$17,498									\$94,295	\$689,162	\$161,770,000		31.5%	
Capacity Bidding Program (CBP)	\$378,985	\$32,255	\$28,702	\$40,379	\$31,957									\$133,293	\$790,471	\$20,518,000		17.8%	
Budget Category 1 Total	\$3,638,299	\$267,975	\$212,361	\$199,908	\$170,950									\$851,195	\$9,310,294	\$214,266,000	\$0	4.3%	
Category 2: Load Modifying DR Programs																			
OMBC/SLRP	\$5,004	\$310	\$410	\$395	\$268									\$1,383	\$11,621	\$63,000		18.4%	
Permanent Load Shifting (PLS)	\$0	\$0	\$0	\$0	\$0									\$0	\$0	\$0		0.0%	
Budget Category 2 Total	\$5,004	\$310	\$410	\$395	\$268									\$1,383	\$11,621	\$63,000	\$0	18.4%	
Category 3: DRAM and Rule 24/32																			
DRAM Phase 4	\$157,821	\$9,321	\$5,182	\$9,514	\$140									\$24,157	\$275,482	\$6,000,000		4.6%	
Rule 24 O&M	\$1,300,088	\$86,327	\$160,023	\$167,578	\$145,864									\$559,792	\$2,278,632	\$12,931,000		17.6%	
Budget Category 3 Total	\$1,457,909	\$95,648	\$165,205	\$177,093	\$146,004									\$583,949	\$2,554,114	\$18,931,000	\$0	13.5%	
Category 4: Emerging & Enabling Programs																			
Auto DR	\$1,630,517	\$120,265	\$88,208	\$170,808	\$217,138									\$596,419	\$3,919,693	\$20,446,000		21.1%	
DR Emerging Technology	\$362,338	\$13,738	\$24,622	\$17,833	\$66,219									\$122,412	\$975,266	\$7,230,000		13.5%	
Budget Category 4 Total	\$1,992,855	\$134,003	\$112,830	\$188,641	\$283,357									\$718,831	\$4,894,959	\$27,676,000	\$0	17.7%	
Category 5: Pilots																			
Supply Side Pilot	\$823,053	\$26,466	\$27,004	\$36,930	\$33,159									\$123,559	\$1,355,000	\$6,337,000		24.4%	
Excess Supply	\$318,507	\$24,898	\$24,311	\$31,023	\$25,202									\$105,434	\$720,626	\$1,813,000		61.6%	
Local Capacity Planning Areas and Disadvantaged Communities Pilot	\$108,599	\$6,850	\$15,212	\$966	\$29,700									\$52,729	\$108,599	\$1,000,000		0.0%	
Budget Category 5 Total	\$1,250,159	\$58,214	\$66,526	\$68,919	\$88,061									\$281,721	\$2,184,226	\$9,150,000	\$0	23.9%	
Category 6: Marketing, Education, and Outreach (ME&O)																			
DR Core Marketing & Outreach	\$685,416	\$12,355	\$18,576	\$10,278	\$40,296									\$81,505	\$2,802,894	\$12,221,000		22.9%	
Education and Training	\$68,345	(\$136)	\$1,862	(\$4,219)	\$1,753									(\$739)	\$128,016	\$1,350,000		9.5%	
Budget Category 6 Total	\$753,761	\$12,220	\$20,438	\$6,059	\$42,049									\$80,765	\$2,930,910	\$13,571,000	\$0	21.6%	
Category 7: Portfolio Support (Includes EM&V, Systems Support, and Notifications)																			
DR Measurement and Evaluation (DRMEC) ⁴	\$1,392,672	\$222,798	\$106,249	\$135,829	\$97,586									\$562,462	\$2,221,361	\$11,777,000		18.9%	
DR Integration Policy & Planning	\$1,396,900	\$64,670	\$60,914	\$80,659	\$60,587									\$266,829	\$3,056,383	\$8,386,000		36.4%	
Support for Market Activities	\$4,709,669	\$287,223	\$349,799	\$398,614	\$338,319									\$1,373,954	\$7,284,150	\$13,524,000		53.9%	
Support for Retail & Customer Facing Activities ⁴	\$4,366,816	\$1,237,969	\$336,625	\$544,651	\$328,386									\$2,447,631	\$9,372,418	\$19,926,000		47.0%	
DR Potential Study	\$0	\$0	\$0	\$0	\$0									\$0	\$2,000,000	\$0		0.0%	
Budget Category 7 Total	\$11,866,056	\$1,812,660	\$853,587	\$1,159,752	\$824,877									\$4,650,876	\$21,934,311	\$55,615,000	\$0	39.4%	
Category 8: Integrated Programs and Activities (Including Technical Assistance) ²																			
Technology Incentives - IDSM	\$0	\$0	\$0	\$0	\$0									\$0	\$0	\$0		0.0%	
Integrated Energy Audits	\$0	\$0	\$0	\$0	\$0									\$0	\$30,321	\$30,321		100.0%	
Residential IDSM	\$0	\$0	\$0	\$0	\$0									\$0	\$0	\$5,000,000		0.0%	
Non-Residential IDSM	\$0	\$0	\$0	\$0	\$0									\$0	\$0	\$39,969,679		0.0%	
Budget Category 8 Total	\$0	\$0	\$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).	\$1,911,817	\$155,934	\$155,971	\$155,063	\$154,473									\$621,440	\$3,904,312	\$0		0.0%	
Total Incremental Cost ³	\$22,875,859	\$2,536,964	\$1,587,328	\$1,955,630	\$1,710,039									\$7,790,161	\$47,755,067	\$384,272,000	\$0	12.4%	
Technical Assistance & Technology Incentives (TA&TI) Identified as of April 2020	\$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 IDSM 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.

⁴ Adjustment 2019 Actuals for IT Managed Services from 2019 December ILP. Reduced expenditures \$307,432

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
April 2020**

Cost Item ¹	January	February	March	April	May	June	July	August	September	October	November	December	Carry-Over Expenditures incurred in 2020
Category 1: Reliability Programs													
Base Interruptible Program (BIP)	\$0	\$0	\$0	\$0									\$0
Optional Bidding Mandatory Curtailment / Scheduled Load Reduction (OBMC / SLRP)	\$0	\$0	\$0	\$0									\$0
Budget Category 1 Total	\$0	\$0	\$0	\$0									\$0
Category 2: Price-Responsive Programs													
Capacity Bidding Program (CBP)	\$0	\$0	\$0	\$0									\$0
SmartAC™	\$0	\$0	\$0	\$0									\$0
Budget Category 2 Total	\$0	\$0	\$0	\$0									\$0
Category 3: DR Provider/Aggregator Managed Programs													
Aggregator Managed Portfolio (AMP)	\$0	\$0	\$0	\$0									\$0
Budget Category 3 Total	\$0	\$0	\$0	\$0									\$0
Category 4: Emerging & Enabling Programs													
Auto DR	\$0	\$0	\$0	\$0									\$0
DR Emerging Technology	\$0	\$0	\$0	\$0									\$0
Budget Category 4 Total	\$0	\$0	\$0	\$0									\$0
Category 5: Pilots													
Supply Side Pilot	\$0	\$0	\$0	\$0									\$0
Excess Supply	\$0	\$0	\$0	\$0									\$0
Budget Category 5 Total	\$0	\$0	\$0	\$0									\$0
Category 6: Evaluation, Measurement and Verification													
DRMEC	\$8,000	\$8,000	\$85,041	\$75,607									\$176,648
DR Research Studies	\$0	\$0	\$0	\$0									\$0
Budget Category 6 Total	\$8,000	\$8,000	\$85,041	\$75,607									\$176,648
Category 7: Marketing, Education and Outreach													
DR Core Marketing and Outreach	\$0	\$0	\$0	\$0									\$0
SmartAC™ ME&O	\$0	\$0	\$0	\$0									\$0
Education and Training	\$0	\$0	\$0	\$0									\$0
Budget Category 7 Total	\$0	\$0	\$0	\$0									\$0
Category 8: DR System Support Activities													
InterAct / DR Forecasting Tool	\$0	\$0	\$0	\$0									\$0
DR Enrollment & Support ²	\$0	\$0	\$0	\$0									\$0
Notifications	\$0	\$0	\$0	\$0									\$0
DR Integration Policy & Planning	\$0	\$0	\$0	\$0									\$0
Budget Category 8 Total	\$0	\$0	\$0	\$0									\$0
Category 9: Integrated Programs and Activities (Including Technical Assistance)													
Technology Incentives - IDSM	\$0	\$0	\$0	\$0									\$0
Integrated Energy Audits	\$0	\$0	\$0	\$0									\$0
Budget Category 9 Total	\$0	\$0	\$0	\$0									\$0
Category 10: Special Projects													
Demand Response Auction Mechanism Pilot Phase 1	\$0	\$0	\$0	\$0									\$0
Demand Response Auction Mechanism Pilot Phase 2	(\$721)	\$6	(\$1,309)	\$6									(\$2,018)
Demand Response Auction Mechanism Pilot Phase 3	\$10,579	\$6,375	\$11,593	\$1,711									\$30,259
Rule 24 O&M	(\$360)	\$3	(\$654)	\$3									(\$1,009)
Permanent Load Shifting	\$3,414	\$3,504	\$3,756	\$6,737									\$17,411
Budget Category 10 Total	\$12,912	\$9,888	\$13,386	\$8,457									\$44,642
Total Incremental Cost	\$20,912	\$17,888	\$98,427	\$84,064									\$221,290

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
April 2020**

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 Tolerated Hours	Load Reduction MW (Max Hourly)
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.

Table I-5a
Pacific Gas and Electric Company
2018-22 Demand Response Programs Incentives
April 2020

Annual Total Expenditures														
Cost Item	January	February	March	April	May	June	July	August	September	October	November	December	Year-to-Date Expenditures	Program-to-Date Total Expenditures
Program Incentives														
Automatic Demand Response (AutoDR)	\$112,409	\$314,330	\$2,150	\$3,000									\$431,889	\$392,889
Base Interruptible Program (BIP)	\$2,335,052	\$1,973,338	\$2,103,980	\$1,739,994									\$8,152,363	\$50,335,314
Capacity Bidding Program (CBP) ¹	(\$25,942)	(\$9,071)	\$0	\$69									(\$34,944)	\$2,857,735
DRAM Phase 4 ²	REDACTED	REDACTED	REDACTED	REDACTED									REDACTED	REDACTED
Excess Supply Pilot	\$0	\$22,371	\$4,930	\$9,038									\$36,339	\$396,672
SmartAC™ ⁴	\$2,400	\$50	\$0	\$800									\$3,250	\$313,700
Supply Side Pilot	\$7,400	\$7,400	\$5,700	\$3,725									\$24,225	\$191,053
Total Cost of Incentives	\$2,431,320	\$2,308,418	\$2,116,760	\$1,756,625									\$8,613,122	\$58,114,018
Revenues from Penalties ³	(\$77,082)	(\$70,748)	(\$59,052)	\$0									(\$206,882)	\$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
April 2020

Annual Total Expenditures													
Cost Item ¹	January	February	March	April	May	June	July	August	September	October	November	December	Carry-Over Incentives incurred in 2020
Program Incentives													
Automatic Demand Response (AutoDR)	(\$51,259)	\$0	\$0	\$0									(\$51,259)
Base Interruptible Program (BIP)	\$0	\$0	\$0	\$0									\$0
Capacity Bidding Program (CBP)	\$0	\$0	\$0	\$0									\$0
DRAM Phase 1 ²	REDACTED	REDACTED	REDACTED	REDACTED									REDACTED
DRAM Phase 2 ²	REDACTED	REDACTED	REDACTED	REDACTED									REDACTED
DRAM Phase 3 ²	REDACTED	REDACTED	REDACTED	REDACTED									REDACTED
Excess Supply Pilot	\$0	\$0	\$0	\$0									\$0
Permanent Load Shift	\$0	\$0	\$0	\$0									\$0
Supply Side Pilot	\$0	\$0	\$0	\$0									\$0
SmartAC™	\$0	\$0	\$0	\$0									\$0
Total Cost of Incentives	(\$51,259)	\$0	\$0	\$0									(\$51,259)
Revenues from Penalties													
	\$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
 April 2020

PG&E's ME&O Actual Expenditures	2019 Expenditures	2018-22 Funding Cycle Customer Communication, Marketing, and Outreach												Year-to-Date Expenditures	Total Funding Cycle Expenditures to date	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																	\$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	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)	\$ 90,041	\$ 209	\$ 2,525	\$ 478	\$ 1,762												\$ 4,975	\$ 227,700.20	
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	N/A	
Customer Awareness, Education and Outreach	\$ 135,061	\$ 314	\$ 3,787	\$ 717	\$ 2,644												\$ 7,462	\$ 341,550.31	
PROGRAMS & RATES WHICH REQUIRE ITEMIZED ACCOUNTING																			
SmartIAC	\$ 528,659	\$ 11,696	\$ 14,126	\$ 4,863	\$ 37,643												\$ 68,329	\$ 2,349,935.17	
Customer Research	\$ -	\$ -	\$ -	\$ -	\$ -												\$ -	\$ -	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$ 359,665	\$ 764	\$ 7,843	\$ 8,936	\$ 33,321												\$ 50,863	\$ 2,009,139	
Labor	\$ 168,994	\$ 10,932	\$ 6,284	\$ (4,072)	\$ 4,322												\$ 17,466	\$ 324,350	
Paid Media	\$ -	\$ -	\$ -	\$ -	\$ -												\$ -	\$ -	
Other Costs	\$ -	\$ -	\$ -	\$ -	\$ -												\$ -	\$ 16,446	
II. TOTAL UTILITY MARKETING BY ACTIVITY	\$ 753,761	\$ 12,220	\$ 20,438	\$ 6,059	\$ 42,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,765	\$ 2,919,185.68	\$ 13,570,000
III. UTILITY MARKETING BY ITEMIZED COST																			
Customer Research	\$ -	\$ -	\$ -	\$ -	\$ -												\$ -	\$ -	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$ 360,665	\$ 764	\$ 7,841	\$ 16,007	\$ 33,321												\$ 57,932	\$ 2,134,781	
Labor	\$ 386,126	\$ 11,456	\$ 11,168	\$ (11,998)	\$ 8,635												\$ 19,261	\$ 744,722	
Paid Media	\$ -	\$ -	\$ -	\$ -	\$ -												\$ -	\$ -	
Other Costs	\$ 6,970	\$ -	\$ 1,428	\$ 2,050	\$ 93												\$ 3,572	\$ 39,683	
III. TOTAL UTILITY MARKETING BY ITEMIZED COST	\$ 753,761	\$ 12,220	\$ 20,438	\$ 6,059	\$ 42,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,765	\$ 2,919,185.68	\$ 13,570,000
IV. UTILITY MARKETING BY CUSTOMER SEGMENT																			
Agricultural	\$ 33,765	\$ 79	\$ 947	\$ 179	\$ 661												\$ 1,865	\$ 85,388	
Large Commercial and Industrial	\$ 191,337	\$ 445	\$ 5,365	\$ 1,016	\$ 3,745												\$ 10,571	\$ 483,863	
Small and Medium Commercial	\$ -	\$ -	\$ -	\$ -	\$ -												\$ -	\$ -	
Residential	\$ 528,659	\$ 11,696	\$ 14,126	\$ 4,863	\$ 37,643												\$ 68,329	\$ 2,349,935	
IV. TOTAL UTILITY MARKETING BY CUSTOMER SEGMENT	\$ 753,761	\$ 12,220	\$ 20,438	\$ 6,059	\$ 42,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,765	\$ 2,919,185.69	\$ 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
2020 Fund Shifting Documentation
April 2020**

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			