
Pacific Gas and Electric Company Monthly Report On Interruptible Load and Demand Response
Programs for December 2021



January 21, 2021
Public

Pacific Gas and Electric Company ("PG&E") hereby submits this report on Interruptible Load and Demand Response Programs for December 2021. This report is being sent to the Energy Division via EnergyDivisionCentralFiles@cpuc.ca.gov and public version will be served on the service list for A.11-03-001

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

Table I-1
Pacific Gas and Electric Company
Interruptible and Price Responsive Programs
Subscription Statistics - Enrolled MW
December 2021

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, 2021 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 ⁵	Ex Post Estimated MW	Service Accounts	Ex Ante Estimated MW	Ex Post Estimated MW	
PILOT PROGRAMS ¹																			
SSP II (Load Decrease)																			
Non-Residential																			
Residential																			
XSP (Load Increase)																			
Non-Residential																			
Residential																			
INTERRUPTIBLE RELIABILITY PROGRAMS ³																			
BIP - Day Of	306	146	128	306	148	128	302	155	126	303	170	127	306	181	128	306	190	128	10,935
OBMC	16	0	0	16	0	0	16	0	0	16	0	0	16	0	0	16	0	0	N/A
SLRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
SmartAC™ - Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
SmartAC™ - Residential	86,582	0	0	86,067	0	0	85,358	0	0	84,709	0	0	83,960	9	31	83,224	19	31	N/A
Sub-Total Interruptible	86,904	146	128	86,389	148	128	85,676	155	126	85,028	170	127	84,282	190	159	83,546	209	159	
PRICE-RESPONSIVE PROGRAMS ²																			
CBP - Day Ahead - Residential	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	603,881
CBP - Day Ahead Non-Residential	0	0	0	0	0	0	0	0	0	0	0	0	702	10	13	750	12	14	603,881
PDP (200 kW or above)	907	4	8	945	4	8	1,371	3	12	1,352	4	12	1,360	5	12	1,442	5	13	7,299
PDP (above 20 kW & below 200 kW)	14,088	3	5	14,234	3	5	16,040	0.8	5	15,972	2	5	15,891	2	5	15,783	2	5	95,833
PDP (20 kW or below)	77,208	0	3	77,910	0	3	92,459	0	4	93,186	0.5	4	92,768	1	4	92,065	1	4	315,414
SmartRate™ - Residential	59,280	2	11	59,018	2	11	56,967	2	11	53,752	3	10	53,293	4	10	52,824	4	10	N/A
Sub-Total Price Response	151,483	9	27	152,107	10	27	166,837	6	32	164,262	9	31	164,014	21	44	162,864	25	46	
Total All Programs	238,387	155	155	238,496	158	155	252,513	161	158	249,290	179	158	248,296	212	204	246,410	234	205	
Programs	July			August			September			October			November			December			Eligible Accounts as of Jan 1, 2021 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	Ex Post Estimated MW	Service Accounts	Ex Ante Estimated MW	Ex Post Estimated MW	
PILOT PROGRAMS ¹																			
SSP II (Load Decrease)																			
Non-Residential																			
Residential																			
XSP (Load Increase)																			
Non-Residential																			
Residential																			
INTERRUPTIBLE RELIABILITY PROGRAMS ³																			
BIP - Day of	306	181	128	311	184	130	311	189	130	310	178	130	311	167	130	263	131	110	10,935
OBMC	16	0	0	16	0	0	16	0	0	16	0	0	16	0	0	16	0	0	N/A
SLRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
SmartAC™ - Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
SmartAC™ - Residential	82,075	22	30	81,564	19	30	80,809	15	30	80,324	4	30	79,741	0	0	79,248	0	0	N/A
Sub-Total Interruptible	82,397	203	158	81,891	203	160	81,136	204	160	80,650	182	159	80,068	167	130	79,527	131	110	
PRICE-RESPONSIVE PROGRAMS ²																			
CBP - Day Ahead - Residential	0	0	0	0	0	0	REDACTED	0	0	REDACTED	0	0	0	0	0	0	0	0	603,881
CBP - Day Ahead Non-Residential	939	16	18	943	16	18	981	17	19	961	16	18	0	0	0	0	0	0	603,881
PDP (200 kW or above)	1,331	5	12	1,335	5	12	1,319	5	12	1,225	4	11	1,214	2	11	1,214	2	11	7,299
PDP (above 20 kW & below 200 kW)	15,791	2	5	15,699	2	5	15,578	2	5	16,207	2	5	16,095	1	5	16,095	1	5	95,833
PDP (20 kW or below)	90,849	2	4	90,266	1	4	89,522	1	4	88,360	1	4	87,674	0	4	87,674	0	4	315,414
SmartRate™ - Residential	52,369	4	10	52,170	4	10	51,701	5	10	51,269	3	10	50,725	2	10	50,725	2	10	N/A
Sub-Total Price Response	161,279	28	48	160,413	28	48	159,101	30	49	158,022	25	48	155,708	5	29	155,708	5	29	
Total All Programs	243,676	232	207	242,304	231	209	240,237	234	209	238,672	207	207	235,776	172	159	235,235	135	139	

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 1, 2021 (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 1, 2021 (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 D.17-12-003 approved a three-year budget (2018-2020 - OP 37 and OP 38) for Supply Side Pilot and Excess Supply Pilot. As of January 1, 2021, both pilots are no longer active.

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 2021 are from the load impact filing from April 2020. Eligible account numbers will be updated following the 2021 load impact filing.

⁵ CBP Residential Ex Post information is confidential under market sensitive/proprietary information.

Pacific Gas and Electric Company
Average Ex Ante Load Impact kW / Customer
December 2021

Program Eligibility and Ex Ante Average Load Impacts ¹

Program	Average Ex Ante Load Impact kW / Customer												Eligible Accounts as of May 2021	Eligibility Criteria (Refer to tariff for specifics)
	January	February	March	April	May	June	July	August	September	October	November	December		
BIP - Day Of	476.00	484.06	512.76	562.11	592.21	619.97	592.33	592.92	608.88	573.57	537.23	497.54	22,000	Bundled, DA and CCA non-residential customer service accounts that have at least an average monthly demand of 100 kW, and being billed on a PG&E commercial, industrial, or agricultural electric time-of-use (TOU) 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 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	0.11	0.23	0.27	0.23	0.18	0.05	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 - Residential	N/A	N/A	N/A	N/A	0.00	0.18	0.18	0.18	0.18	0.18	N/A	N/A	4.8 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.
CBP - Day Ahead Non-Residential	N/A	N/A	N/A	N/A	14.83	15.96	16.73	16.59	16.86	16.23	N/A	N/A	681,000	
PDP (200 kW or above)	4.63	4.64	2.08	3.05	3.32	3.73	3.76	3.72	3.60	3.13	1.75	1.75	5,000	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)	0.21	0.21	0.05	0.09	0.11	0.13	0.13	0.12	0.13	0.10	0.04	0.04	37,000	
PDP (20 kW or below)	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.00	0.00	238,000	
SmartRate™ - Residential	0.04	0.04	0.04	0.05	0.07	0.09	0.08	0.08	0.10	0.06	0.04	0.04	1.9 Million	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 1, 2021 (R.13-09-011). Estimated Average Ex Ante Load Impact kW/Customer = Average kW / Customer, under 1-in-2 weather conditions, of an event that would occur at 4 - 9 pm on the PG&E system peak day of the month.

Pacific Gas and Electric Company
Average ExPost Load Impact kW / Customer
December 2021

Program Eligibility and Ex Post Average Load Impacts ¹

Program	Average Ex Post Load Impact kW / Customer												Eligible Accounts as of May 2021	Eligibility Criteria (Refer to tariff for specifics)
	January	February	March	April	May	June	July	August	September	October	November	December		
BIP - Day Of	418.37	418.37	418.37	418.37	418.37	418.37	418.37	418.37	418.37	418.37	418.37	418.37	22,000	Bundled, DA and CCA non-residential customer service accounts that have at least an average monthly demand of 100 kW, and being billed on a PG&E commercial, industrial, or agricultural electric time-of-use (TOU) 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 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	N/A	N/A	N/A	N/A	0.37	0.37	0.37	0.37	0.37	0.37	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 - Residential	N/A	N/A	N/A	N/A	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	N/A	N/A	4.8 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.
CBP - Day Ahead Non-Residential	N/A	N/A	N/A	N/A	18.90	18.90	18.90	18.90	18.90	18.90	N/A	N/A	681,000	
PDP (200 kW or above)	8.89	8.89	8.89	8.89	8.89	8.89	8.89	8.89	8.89	8.89	8.89	8.89	5,000	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)	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	37,000	
PDP (20 kW or below)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	238,000	
SmartRate™ - Residential	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.9 Million	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 1, 2021 (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 CBP Residential Ex Post information is confidential under market sensitive/proprietary information.

Table I-2
Pacific Gas and Electric Company
Program Subscription Statistics
December 2021

2021 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 PROGRAMS²																								
SSP II (Load Decrease)																								
Non-Residential																								
Residential																								
XSP (Load Increase)																								
Non-Residential																								
Residential																								
PRICE-RESPONSIVE PROGRAMS																								
CBP	N/A	0.6	N/A	0.6	N/A	0.4	N/A	0.6	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	1.0	N/A	1.0	N/A	0.2	N/A	0.2
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	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	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	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	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	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0
Total	N/A	0.6	N/A	0.6	N/A	0.4	N/A	0.6	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	1.0	N/A	1.0	N/A	0.2	N/A	0.2
INTERUPTIBLE RELIABILITY PROGRAMS																								
BIP - Day of																								
OBMC																								
SLRP																								
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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL TECHNOLOGY MWs																								
N/A	0.6	N/A	0.6	N/A	0.4	N/A	0.6	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	1.0	N/A	1.0	N/A	0.2	N/A	0.2	
GENERAL PROGRAM																								
TA (may also be enrolled in TI and AutoDR)																								
Total																								
TOTAL TA MWs																								
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 PROGRAMS²																								
SSP II (Load Decrease)																								
Non-Residential																								
Residential																								
XSP (Load Increase)																								
Non-Residential																								
Residential																								
PRICE-RESPONSIVE PROGRAMS																								
CBP	N/A	0.4	N/A	0.4	N/A	0.0	N/A	0.0	N/A	0.6	N/A	0.6	N/A	0.0	N/A	0.0	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	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	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	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	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	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0
Total	N/A	0.4	N/A	0.4	N/A	0.0	N/A	0.0	N/A	0.6	N/A	0.6	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0
INTERUPTIBLE RELIABILITY PROGRAMS																								
BIP - Day of																								
OBMC																								
SLRP																								
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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL TECHNOLOGY MWs																								
N/A	0.4	N/A	0.4	N/A	0.0	N/A	0.0	N/A	0.6	N/A	0.6	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	
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 Residential MWs. Only values for newly paid customers are recorded.

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-3b
Pacific Gas and Electric Company
Demand Response Programs and Activities
Carry-Over Expenditures and Funding
December 2021**

Cost Item ¹	January	February	March	April	May	June	July	August	September	October	November	December	Carry-Over Expenditures incurred in 2021
Category 1: Reliability Programs													
Base Interruptible Program (BIP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Optional Bidding Mandatory Curtailment / Scheduled Load Reduction (OBMC / SLRP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Budget Category 1 Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Category 2: Price-Responsive Programs													
Capacity Bidding Program (CBP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SmartAC™	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Budget Category 2 Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Category 3: DR Provider/Aggregator Managed Programs													
Aggregator Managed Portfolio (AMP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Budget Category 3 Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Category 4: Emerging & Enabling Programs													
Auto DR	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DR Emerging Technology	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Budget Category 4 Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Category 5: Pilots													
Supply Side Pilot	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Excess Supply	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Budget Category 5 Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Category 6: Evaluation, Measurement and Verification													
DRMEC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DR Research Studies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Budget Category 6 Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Category 7: Marketing, Education and Outreach													
DR Core Marketing and Outreach	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SmartAC™ ME&O	\$292	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$292
Education and Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Budget Category 7 Total	\$292	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$292
Category 8: DR System Support Activities													
DR Forecasting Tool	\$1,000	\$1,000	\$1,500	\$1,500	\$1,387	\$1,500	\$0	\$0	\$0	\$18,760	\$2,396	\$1,500	\$30,542
DR Enrollment & Support ²	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Notifications	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DR Integration Policy & Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Budget Category 8 Total	\$1,000	\$1,000	\$1,500	\$1,500	\$1,387	\$1,500	\$0	\$0	\$0	\$18,760	\$2,396	\$1,500	\$30,542
Category 9: Integrated Programs and Activities (Including Technical Assistance)													
Technology Incentives - IDSM	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Integrated Energy Audits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Budget Category 9 Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Category 10: Special Projects													
Demand Response Auction Mechanism Pilot Phase 1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Demand Response Auction Mechanism Pilot Phase 2	\$715	\$245	(\$1,188)	(\$223)	\$943	(\$978)	(\$494)	(\$5)	\$157	\$824	(\$269)	\$694	\$422
Demand Response Auction Mechanism Pilot Phase 3	\$3,371	\$3,671	(\$8)	\$2,177	\$393	\$2,259	\$3,002	(\$3,547)	\$1,672	\$1,415	(\$668)	\$1,207	\$14,944
Rule 24 O&M	\$357	\$122	(\$594)	\$621	\$472	\$1,014	(\$247)	(\$2)	\$79	\$1,496	\$12,196	\$689	\$16,202
Permanent Load Shifting	\$17,457	\$6,494	\$8,399	\$586,686	\$16,131	\$17,439	\$13,300	\$7,524	\$1,298,365	\$12,237	\$12,150	\$15,631	\$2,011,812
Budget Category 10 Total	\$21,900	\$10,532	\$6,609	\$589,261	\$17,939	\$19,735	\$15,561	\$3,970	\$1,300,273	\$15,973	\$23,409	\$18,221	\$2,043,381
Total Incremental Cost	\$23,192	\$11,532	\$8,109	\$590,761	\$19,325	\$21,235	\$15,561	\$3,970	\$1,300,273	\$34,732	\$25,805	\$19,721	\$2,074,215

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

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

**Table I-4
Pacific Gas and Electric Company
Interruptible and Price Responsive Programs
Year-to-Date Event Summary
December 2021**

Program Name	Month	Zones	Event No. (by Program Type)	Event Date	Program Type	Trigger	# of Accounts	Event Start Time (PDT)	Event End Time (PDT)	Program Tolled Hours	Load Reduction MW (Max Hourly)
Category 1: Reliability Programs											
Base Interruptible Program	July	Sublap PGEB, PGF1, PGZP, PGNP, PGCC, PGST, PGNC, PGSB, PGSI, PGKN	1	7/9/2021	Day-Of	Transmission Emergency	293	6:32 PM	8:32 PM	2	124.7
Optional Bidding Mandatory Curtailment (OBMC) / Scheduled Load Reduction (SLRP)											
Category 2: Price-Responsive Programs											
Capacity Bidding Program	May	Market Resources in South Bay PGSB	1	5/5/21	Day Ahead	Market Award	1	7:00 PM	8:00 PM	1	REDACTED
Capacity Bidding Program	May	Market Resources in South Bay PGSB	2	5/11/21	Day Ahead	Market Award	1	7:00 PM	8:00 PM	1	REDACTED
Capacity Bidding Program	May	Market Resources in ZP26 PGZP	3	5/12/21	Day Ahead	Market Award	77	8:00 PM	9:00 PM	1	6.7
Capacity Bidding Program	June	Market Resources in PGCC, PGEB, PGF1, PGFG, PGKN, PGNB, PGNP, PGP2, PGSB, PGSF, PGSI, PGST, PGZP	4	6/16/21	Day Ahead	Market Award	540	7:00 PM	8:00 PM	1	26.9
Capacity Bidding Program	June	Market Resources in PGCC, PGEB, PGF1, PGFG, PGKN, PGNB, PGNP, PGP2, PGSB, PGSF, PGSI, PGST, PGZP	5	6/17/21	Day Ahead	Market Award	540	6:00 PM	9:00 PM	3	21.6
Capacity Bidding Program	June	Market Resources in PGFG	6	6/18/21	Day Ahead	Market Award	18	7:00 PM	8:00 PM	1	REDACTED
Capacity Bidding Program	June	Market Resources in PGCC, PGEB, PGSB	7	6/29/21	Day Ahead	PG&E Test	10	6:00 PM	8:00 PM	2	REDACTED
Capacity Bidding Program	July	Market Resources in PGCC, PGEB, PGF1, PGFG, PGKN, PGNB, PGNP, PGP2, PGSB, PGSF, PGSI, PGST, PGZP	8	7/9/21	Day Ahead	Market Award	435	6:00 PM	8:00 PM	2	7.8
Capacity Bidding Program	July	Market Resources in PGCC, PGEB, PGF1, PGFG, PGKN, PGNB, PGNP, PGP2, PGSB, PGSF, PGSI, PGST, PGZP	9	7/12/21	Day Ahead	Market Award	482	5:00 PM	9:00 PM	4	10.8
Capacity Bidding Program	July	Market Resources in PGCC, PGEB, PGF1, PGFG, PGKN, PGNB, PGNP, PGP2, PGSB, PGSF, PGSI, PGST, PGZP	10	7/13/21	Day Ahead	Market Award	482	6:00 PM	9:00 PM	3	9.5
Capacity Bidding Program	July	Market Resources in PGCC	11	7/14/21	Day Ahead	Market Award	2	7:00 PM	8:00 PM	1	REDACTED
Capacity Bidding Program	July	Market Resources in PGCC, PGEB, PGF1, PGFG, PGNB, PGP2, PGSB, PGSF, PGSI, PGST, PGZP	12	7/19/21	Day Ahead	Market Award	349	5:00 PM	9:00 PM	4	8.9
Capacity Bidding Program	July	Market Resources in PGCC, PGEB	13	7/20/21	Day Ahead	Market Award	9	6:00 PM	9:00 PM	3	REDACTED
Capacity Bidding Program	July	Market Resources in PGEB	14	7/21/21	Day Ahead	Market Award	7	6:00 PM	9:00 PM	3	REDACTED
Capacity Bidding Program	July	Market Resources in PGCC, PGEB, PGNB, PGP2, PGSB, PGST	14	7/21/21	Day Ahead	PG&E Test	69	7:00 PM	9:00 PM	2	REDACTED
Capacity Bidding Program	July	Market Resources in PGEB	15	7/23/21	Day Ahead	Market Award	7	6:00 PM	8:00 PM	2	REDACTED
Capacity Bidding Program	July	Market Resources in PGEB	16	7/26/21	Day Ahead	Market Award	7	7:00 PM	8:00 PM	1	REDACTED
Capacity Bidding Program	July	Market Resources in PGEB	17	7/27/21	Day Ahead	Market Award	7	6:00 PM	9:00 PM	3	REDACTED
Capacity Bidding Program	July	Market Resources in PGCC, PGEB, PGF1, PGFG, PGKN, PGNB, PGNP, PGP2, PGSB, PGSF, PGSI, PGST, PGZP	18	7/28/21	Day Ahead	Market Award	480	7:00 PM	8:00 PM	1	9.6
Capacity Bidding Program	July	Market Resources in PGCC, PGEB, PGF1, PGFG, PGKN, PGNB, PGNP, PGP2, PGSB, PGSF, PGSI, PGST, PGZP	19	7/29/21	Day Ahead	Market Award	480	6:00 PM	8:00 PM	2	9.2
Capacity Bidding Program	July	Market Resources in PGCC, PGSB	19	7/29/21	Day Ahead	PG&E Test	6	6:00 PM	8:00 PM	2	REDACTED

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**Table I-4
Pacific Gas and Electric Company
Interruptible and Price Responsive Programs
Year-to-Date Event Summary
December 2021**

Category 2: Price-Responsive Programs											
Capacity Bidding Program	July	Market Resources in PGEB, PGKN, PGNP, PGSB	20	7/30/21	Day Ahead	Market Award	187	6:00 PM	8:00 PM	2	1.6
Capacity Bidding Program	August	Market Resources in PGCC, PGEB, PGP2, PGZP	21	8/3/21	Day Ahead	Market Award	9	6:00 PM	8:00 PM	2	REDACTED
Capacity Bidding Program	August	Market Resources in PGCC, PGEB, PGP2, PGZP	22	8/4/21	Day Ahead	Market Award	9	6:00 PM	8:00 PM	2	REDACTED
Capacity Bidding Program	August	Market Resources in PGCC, PGEB, PGP2, PGZP	23	8/11/21	Day Ahead	Market Award	9	5:00 PM	8:00 PM	3	REDACTED
Capacity Bidding Program	August	Market Resources in PGCC, PGEB, PGNB, PGP2, PGZP	24	8/12/21	Day Ahead	Market Award	24	5:00 PM	8:00 PM	3	REDACTED
Capacity Bidding Program	August	Market Resources in PGCC, PGEB, PGP2, PGZP	25	8/13/21	Day Ahead	Market Award	9	6:00 PM	9:00 PM	3	REDACTED
Capacity Bidding Program	August	Market Resources in PGEB, PGP2, PGZP	26	8/16/21	Day Ahead	Market Award	7	6:00 PM	8:00 PM	2	REDACTED
Capacity Bidding Program	August	Market Resources in PGHB	27	8/20/21	Day Ahead	PG&E Test	5	3:00 PM	4:00 PM	1	REDACTED
Capacity Bidding Program	August	Market Resources in PGST	28	8/23/21	Day Ahead	PG&E Test	35	6:00 PM	8:00 PM	2	REDACTED
Capacity Bidding Program	August	Market Resources in PGCC	29	8/26/21	Day Ahead	Market Award	2	7:00 PM	8:00 PM	1	REDACTED
Capacity Bidding Program	August	Market Resources in PGCC, PGEB, PGNB, PGP2, PGSB, PGSF	29	8/26/21	Day Ahead	PG&E Test	192	7:00 PM	8:00 PM	1	REDACTED
Capacity Bidding Program	August	Market Resources in PGCC, PGEB, PGSB	30	8/27/21	Day Ahead	PG&E Test	17	6:00 PM	8:00 PM	2	REDACTED
Capacity Bidding Program	August	Market Resources in PGNP, PGSI	31	8/30/21	Day Ahead	PG&E Test	122	6:00 PM	8:00 PM	2	1.6
Capacity Bidding Program	September	Market Resources in PGCC, PGEB, PGF1, PGP2, PGZP	32	9/7/21	Day Ahead	Market Award	149	5:00 PM	9:00 PM	4	8.7
Capacity Bidding Program	September	Market Resources in PGCC, PGEB, PGP2, PGZP	33	9/8/21	Day Ahead	Market Award	32	5:00 PM	9:00 PM	4	REDACTED
Capacity Bidding Program	September	Market Resources in PGCC, PGEB, PGF1, PGFG, PGKN, PGNB, PGNP, PGP2, PGSB, PGSF, PGSI, PGST, PGZP	34	9/9/21	Day Ahead	Market Award	525	5:00 PM	9:00 PM	4	10.8
Capacity Bidding Program	September	Market Resources in PGCC, PGEB, PGP2, PGZP	35	9/13/21	Day Ahead	Market Award	32	6:00 PM	8:00 PM	2	REDACTED
Capacity Bidding Program	September	Market Resources in PGCC, PGEB, PGP2, PGZP	36	9/14/21	Day Ahead	Market Award	32	1:00 PM	7:00 PM	6	REDACTED
Capacity Bidding Program	September	Market Resources in PGEB, PGP2, PGZP	37	9/15/21	Day Ahead	Market Award	30	6:00 PM	8:00 PM	2	REDACTED
Capacity Bidding Program	September	Market Resources in PGCC	38	9/17/21	Day Ahead	Market Award	2	6:00 PM	7:00 PM	1	REDACTED
Capacity Bidding Program	September	Market Resources in PGCC, PGEB, PGP2, PGSB, PGSI	39	9/21/21	Day Ahead	PG&E Test	81	5:00 PM	8:00 PM	3	REDACTED
Capacity Bidding Program	September	Market Resources in PGKN, PGZP	40	9/24/21	Day Ahead	PG&E Test	125	6:00 PM	7:00 PM	1	11.7
Capacity Bidding Program	September	Market Resources in PGF1	41	9/30/21	Day Ahead	PG&E Test	44	6:00 PM	7:00 PM	1	REDACTED
Capacity Bidding Program	October	Market Resources in PGCC, PGEB, PGP2	42	10/1/21	Day Ahead	Market Award	25	6:00 PM	7:00 PM	1	REDACTED
Capacity Bidding Program	October	Market Resources in PGCC, PGEB, PGP2, PGSI	43	10/4/21	Day Ahead	Market Award	36	5:00 PM	8:00 PM	3	REDACTED
Capacity Bidding Program	October	Market Resources in PGCC, PGEB, PGP2, PGSI	44	10/5/21	Day Ahead	Market Award	36	6:00 PM	7:00 PM	1	REDACTED
Capacity Bidding Program	October	Market Resources in PGEB, PGP2, PGSI	45	10/6/21	Day Ahead	Market Award	33	6:00 PM	7:00 PM	1	REDACTED
Capacity Bidding Program	October	Market Resources in PGCC	46	10/12/21	Day Ahead	Market Award	3	6:00 PM	9:00 PM	3	REDACTED
Capacity Bidding Program	October	Market Resources in PGCC	47	10/13/21	Day Ahead	Market Award	3	6:00 PM	7:00 PM	1	REDACTED
Capacity Bidding Program	October	Market Resources in PGEB, PGP2, PGSI	48	10/14/21	Day Ahead	Market Award	33	4:00 PM	8:00 PM	4	REDACTED
Capacity Bidding Program	October	Market Resources in PGCC, PGEB, PGP2, PGSI	49	10/15/21	Day Ahead	Market Award	36	5:00 PM	8:00 PM	3	REDACTED
Capacity Bidding Program	October	Market Resources in PGSI	50	10/19/21	Day Ahead	Market Award	11	6:00 PM	7:00 PM	1	REDACTED
Capacity Bidding Program	October	Market Resources in PGCC, PGEB, PGF1, PGFG, PGNB, PGNP, PGSB, PGSF, PGSI, PGST, PGZP	51	10/21/21	Day Ahead	Test Event	252	6:00 PM	8:00 PM	2	6.3
Capacity Bidding Program	October	Market Resources in PGP2	52	10/26/21	Day Ahead	Test Event	1	6:00 PM	7:00 PM	1	REDACTED

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**Table I-4
Pacific Gas and Electric Company
Interruptible and Price Responsive Programs
Year-to-Date Event Summary
December 2021**

Program Name	Month	Zones	Event No. (by Program Type)	Event Date	Program Type	Trigger	# of Accounts	Event Start Time (PDT)	Event End Time (PDT)	Program Tolled Hours	Load Reduction MW (Max Hourly)
Category 2: Price-Responsive Programs											
Peak Day Pricing	June	System	1	6/17/21	Day Ahead	Temperature	1,442	5:00 PM	8:00 PM	3	0.0
Peak Day Pricing	July	System	2	7/8/21	Day Ahead	Temperature	1,442	5:00 PM	8:00 PM	3	0.0
Peak Day Pricing	July	System	3	7/9/21	Day Ahead	Temperature	1,442	5:00 PM	8:00 PM	3	0.0
Peak Day Pricing	July	System	4	7/10/21	Day Ahead	Temperature	1,442	5:00 PM	8:00 PM	3	8.2
Peak Day Pricing	July	System	5	7/28/21	Day Ahead	Temperature	1,442	5:00 PM	8:00 PM	3	2.1
Peak Day Pricing	July	System	6	7/29/21	Day Ahead	Temperature	1,442	5:00 PM	8:00 PM	3	2.5
Peak Day Pricing	August	System	7	8/12/21	Day Ahead	Temperature	1,331	5:00 PM	8:00 PM	3	5.9
Peak Day Pricing	August	System	8	8/16/21	Day Ahead	Temperature	1,331	5:00 PM	8:00 PM	3	9.3
Peak Day Pricing	September	System	9	9/8/21	Day Ahead	Temperature	1,335	5:00 PM	8:00 PM	3	13.1
SmartAC	June	Sublap PGEB, PGF1, PGNC, PGNP, PGSI, PGST	1	6/17/21	Day Ahead	Market Award	63,839	4:00 PM	8:00 PM	4	25.9
SmartAC	June	Sublap PGF1, PGKN, PGNC, PGNP, PGSI, PGST, PGZP	2	6/18/21	Day Ahead	Market Award	50,316	5:00 PM	8:00 PM	3	23.3
SmartAC	June	Sublap PGF1, PGKN, PGNP, PGZP	3	6/19/21	Day Ahead	Market Award	36,275	5:00 PM	7:00 PM	2	9.5
SmartAC	June	Sublap PGSI	4	6/26/21	Day Ahead	Market Award	10,575	4:00 PM	7:00 PM	3	2.5
SmartAC	June	Sublap PGNP, PGST	5	6/27/21	Day Ahead	Market Award	19,483	4:00 PM	6:00 PM	2	3.9
SmartAC	July	Sublap PGF1, PGKN, PGNP, PGZP	6	7/9/21	Day Ahead	Market Award	31,402	4:00 PM	6:45 PM	3	10.4
SmartAC	July	Sublap PGCC, PGEB, PGF1, PGFG, PGKN, PGNB, PGNC, PGNP, PGP2, PGSB, PGSI, PGST, PGZP	7	7/9/21	Day Of	Transmission Emergency	83,094	6:50 PM	9:16 PM	3	15.1
SmartAC	July	Sublap PGF1, PGKN, PGNC, PGNP, PGSI, PGST, PGZP	8	7/10/21	Day Ahead	Market Award	43,617	5:00 PM	8:00 PM	3	18.8
SmartAC	July	Sublap PGF1, PGKN, PGNC, PGNP, PGSI, PGZP	9	7/11/21	Day Ahead	Market Award	46,876	5:00 PM	8:00 PM	3	15.8
SmartRate	June	System	1	6/17/21	Day Ahead	Temperature	52,772	2:00 PM	7:00 PM	5	0.0
SmartRate	July	System	2	7/8/21	Day Ahead	Temperature	52,824	2:00 PM	7:00 PM	5	19.6
SmartRate	July	System	3	7/9/21	Day Ahead	Temperature	52,824	2:00 PM	7:00 PM	5	24.8
SmartRate	July	System	4	7/10/21	Day Ahead	Temperature	52,824	2:00 PM	7:00 PM	5	26.6
SmartRate	July	System	5	7/28/21	Day Ahead	Temperature	52,824	2:00 PM	7:00 PM	5	20.5
SmartRate	July	System	6	7/29/21	Day Ahead	Temperature	52,824	2:00 PM	7:00 PM	5	20.9
SmartRate	August	System	7	8/12/21	Day Ahead	Temperature	52,369	2:00 PM	7:00 PM	5	16.4
SmartRate	August	System	8	8/16/21	Day Ahead	Temperature	52,369	2:00 PM	7:00 PM	5	18.6
SmartRate	September	System	9	9/8/21	Day Ahead	Temperature	52,170	2:00 PM	7:00 PM	5	20.0

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Table I-5a
Pacific Gas and Electric Company
2018-22 Demand Response Programs Incentives
December 2021

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)	\$77,640	\$57,780	\$31,150	\$204,700	\$138,380	\$35,100	\$200,150	\$11,250	\$76,010	\$6,700	\$6,800	\$3,650	\$849,310	\$392,889
Base Interruptible Program (BIP) ^{2,4}	\$2,156,901	\$1,155,061	\$2,503,439	\$1,192,732	2,766,038	\$1,866,079	\$1,799,385	\$2,007,362	\$1,986,187	\$1,777,132	(\$541,033)	\$3,751,534	\$22,420,817	\$50,335,314
Capacity Bidding Program (CBP) ^{1,4}	\$3,943	\$0	\$0	\$0	\$0	\$259,566	\$65,731	\$2,516,187	\$1,300,510	\$1,032,450	(\$1,280,213)	(\$441,788)	\$3,456,385	\$2,857,735
DRAM Phase 4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,744,519
Excess Supply Pilot	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$11,761)	\$0	\$0	\$0	\$0	(\$11,761)	\$396,672
SmartAC ^{TM,4}	\$0	\$250	\$0	\$0	\$150	\$50	\$0	\$0	\$100	\$0	\$0	\$0	\$550	\$313,700
Supply Side Pilot	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$191,053
Total Cost of Incentives	\$2,238,484	\$1,213,091	\$2,534,589	\$1,397,432	\$2,904,568	\$2,160,794	\$2,065,266	\$4,523,038	\$3,362,807	\$2,816,281	(\$1,814,446)	\$3,313,396	\$26,715,300	\$58,114,018
Revenues from Penalties³	(\$214,998)	\$516	(\$553,476)	(\$5,068)	(\$2,484)	\$0	\$0	\$0	(\$22,614)	(\$160,344)	(\$37,104)	\$0	(\$995,572)	\$1,289,742

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

Table I-5b
Pacific Gas and Electric Company
Demand Response Programs and Activities
Carryover and Incentive Funding
December 2021

Annual Total Expenditures													
Cost Item ¹	January	February	March	April	May	June	July	August	September	October	November	December	Carry-Over Incentives incurred in 2021
Program Incentives													
Automatic Demand Response (AutoDR)	\$0	\$0	\$0	\$0	\$11,880	\$15,100	(\$15,100)	\$0	\$0	\$0	\$0	\$0	\$11,880
Base Interruptible Program (BIP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capacity Bidding Program (CBP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DRAM Phase 1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DRAM Phase 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DRAM Phase 3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Excess Supply Pilot	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permanent Load Shift	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Supply Side Pilot	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SmartAC™	\$0	\$100	(\$285)	(\$64)	\$50	\$158	(\$647)	\$650	\$58	\$0	\$0	\$0	\$20
Total Cost of Incentives	\$0	\$100	(\$285)	(\$64)	\$11,930	\$15,258	(\$15,747)	\$650	\$58	\$0	\$0	\$0	\$11,900
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 2019 from all prior funding cycles.

Table I-7
Pacific Gas and Electric Company
2018-22 Marketing, Education and Outreach
Actual Expenditures
December 2021

PG&E's ME&O Actual Expenditures	2020 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																
IU 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
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)	\$ 90,041	\$ 4,281	\$ 2,861	\$ (980)	\$ 8,621	\$ 9,933	\$ 63,601	\$ 62,676	\$ 15,343	\$ 11,176	\$ 11,821	\$ 4,856	\$ 14,391	\$ 208,579	\$ 431,304.57	
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	\$ 135,061	\$ 6,421	\$ 4,291	\$ (1,470)	\$ 12,932	\$ 14,900	\$ 95,401	\$ 94,014	\$ 23,014	\$ 16,764	\$ 17,731	\$ 7,284	\$ 21,587	\$ 312,869	\$ 646,957.36	
PROGRAMS & RATES WHICH REQUIRE ITEMIZED ACCOUNTING																
SmartAC	\$ 528,659	\$ 1,416	\$ 23,997	\$ (401)	\$ 51,561	\$ 33,166	\$ 22,296	\$ 22,101	\$ 8,097	\$ 25,968	\$ 10,758	\$ 15,271	\$ 73,356	\$ 287,587	\$ 2,569,193.19	
Customer Research	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$ 359,665	\$ 4,581	\$ 6,008	\$ 11,778	\$ 49,888	\$ 26,076	\$ 15,183	\$ 7,572	\$ 19,575	\$ 25,910	\$ 6,540	\$ 7,965	\$ 69,349	\$ 250,426	\$ 2,208,702	
Labor	\$ 168,994	\$ (3,165)	\$ 17,989	\$ (12,179)	\$ 1,673	\$ 7,090	\$ 7,113	\$ 14,529	\$ (11,478)	\$ 58	\$ 4,217	\$ 7,306	\$ 4,007	\$ 37,161	\$ 344,045	
Paid Media	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,446	
II. TOTAL UTILITY MARKETING BY ACTIVITY	\$ 753,761	\$ 12,119	\$ 31,149	\$ (2,851)	\$ 73,114	\$ 58,000	\$ 181,298	\$ 178,792	\$ 46,454	\$ 53,908	\$ 40,310	\$ 27,410	\$ 109,334	\$ 809,035	\$ 3,647,455.12	\$ 13,570,000
III. UTILITY MARKETING BY ITEMIZED COST																
Customer Research	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$ 360,665	\$ 4,581	\$ 6,008	\$ 11,778	\$ 49,888	\$ 26,076	\$ 15,183	\$ 7,572	\$ 19,575	\$ 25,910	\$ 6,540	\$ 7,965	\$ 69,349	\$ 250,426	\$ 2,327,274	
Labor	\$ 386,126	\$ 7,537	\$ 25,140	\$ (14,629)	\$ 23,228	\$ 31,923	\$ 166,115	\$ 171,220	\$ 26,878	\$ 27,998	\$ 33,769	\$ 19,445	\$ 39,985	\$ 558,609	\$ 1,284,070	
Paid Media	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other Costs	\$ 6,970	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,847	\$ 1,847	\$ 37,958	
III. TOTAL UTILITY MARKETING BY ITEMIZED COST	\$ 753,761	\$ 12,119	\$ 31,149	\$ (2,851)	\$ 73,114	\$ 58,000	\$ 181,298	\$ 178,792	\$ 46,454	\$ 53,908	\$ 40,310	\$ 27,410	\$ 111,181	\$ 810,882	\$ 3,649,302.60	\$ 13,570,000
IV. UTILITY MARKETING BY CUSTOMER SEGMENT																
Agricultural	\$ 33,765	\$ 1,605	\$ 1,073	\$ (367)	\$ 3,233	\$ 3,725	\$ 23,850	\$ 23,504	\$ 5,753	\$ 4,191	\$ 4,433	\$ 1,821	\$ 5,397	\$ 78,217	\$ 161,739	
Large Commercial and Industrial	\$ 191,337	\$ 9,097	\$ 6,079	\$ (2,082)	\$ 18,320	\$ 21,108	\$ 135,152	\$ 133,187	\$ 32,603	\$ 23,748	\$ 25,119	\$ 10,318	\$ 30,581	\$ 443,231	\$ 916,523	
Small and Medium Commercial	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Residential	\$ 528,659	\$ 1,416	\$ 23,997	\$ (401)	\$ 51,561	\$ 33,166	\$ 22,296	\$ 22,101	\$ 8,097	\$ 25,968	\$ 10,758	\$ 15,271	\$ 75,204	\$ 289,434	\$ 2,571,041	
IV. TOTAL UTILITY MARKETING BY CUSTOMER SEGMENT	\$ 753,761	\$ 12,119	\$ 31,149	\$ (2,851)	\$ 73,114	\$ 58,000	\$ 181,298	\$ 178,792	\$ 46,454	\$ 53,908	\$ 40,310	\$ 27,410	\$ 111,181	\$ 810,882	\$ 3,649,302.60	\$ 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
2021 Fund Shifting Documentation
December 2021**

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			