Pacific Gas and Electric Company Monthly Report On Interruptible Load and Demand Response Programs for July 2017

August 21, 2017

Public



Pacific Gas and Electric Company ("PG&E") hereby submits this report on Interruptible Load and Demand Response Programs for July 2017. 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 July 2017

#### UTILITY NAME: Pacific Gas and Electric Company

Monthly Program Enrollment and Estimated Load Impacts

r	r	Januarv			February		r	March		r – – – – – – – – – – – – – – – – – – –	April			Mav			June		
Programs	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Eligible Accounts as of Jan 1, 2017
Interruptible/Reliability																			
BIP - Day Of	252	190	253	321	248	322	335	261	336	335	286	336	331	287	332	330	289	331	10,935
OBMC	18	0	0	18	0	0	18	6 O	0	18	0	0	18	0	0	18	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 <sup>™</sup> - Commercial	3,928	0	1	3,843	0	1	3,805	i 0	1	3,764	0	1	3,737	0	1	3,687	0	1	N/A
SmartAC <sup>™</sup> - Residential	150,718	0	59	150,218	0	59	149,480	0	58	148,670	0	58	148,843	52	58	147,304	82	57	N/A
Sub-Total Interruptible	154,916	190	313	154,400	248	382	153,638	261	395	152,787	286	395	152,929	339	391			390	
Price Response																			
AMP - 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	N/A	N/A	N/A
CBP - Day Ahead	0	0	0	0	0	0	0	0	0	0	0	0	17	2	3	19	2	3	500 440
CBP - Day Of	0	0	0	0	0	0	0	0	0	0	0		878	20	24	907			596,440
DBP	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
PDP (200 kW or above)	2,335	11		2,286										31					5,571
PDP (above 20 kW & below 200 kW)	52,286	7	38	51,511			51,169							16					
PDP (20 kW or below)	180,212	7	13	179,336	7	13			12	168,148			163,972	10	11	161,375			316,835
SmartRate <sup>™</sup> - Residential	141.685	9	28	139,190	8	28	139.597	. 8	28	128,954	6	26	129.013	13	26	128.517	23	26	N/A
Sub-Total Price Response	376,518	33	112	372,323	33	110	371,161	33	110	347,336	60	107	343,203	92	131	339,538	110	131	
Total All Programs	531,434	223	425	526,723	281	492	524,799	294	506	500,123	346	503	496,132	431	522	490,877	481	520	
	•						•			•			•			•			
		July			August			September			October			November	•		December		
Programs	Service Accounts <sup>3,4</sup>	Ex Ante Estimated MW <sup>1,5</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Service Accounts <sup>3</sup>	Ex Ante Estimated MW <sup>1</sup>	Ex Post Estimated MW <sup>2</sup>	Eligible Accounts as of Jan 1, 2017
Interruptible/Reliability																			
BIP - Day of	352	309	353																10,935
OBMC	18	0	0																N/A
SLRP	0	0	0																N/A
SmartAC <sup>™</sup> - Commercial	0	0	0				1												N/A
SmartAC <sup>™</sup> - Residential	124,626	72																	N/A
Sub-Total Interruptible	124,996	382	402																
Price Response																			
AMP - 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	N/A	N/A	N/A
CBP - Day Ahead	17	2	3																596.440

3 25 CBP - Day Of 20 908 DBP N/A PDP (200 kW or above) 2.154 31 31 5,571 PDP (above 20 kW & below 200 kW) 33 45,542 18 91,737 PDP (20 kW or below) 11 159,842 11 316,835 SmartRate<sup>™</sup> - Residential Sub-Total Price Response N/A 120.295 22 24 328,758 126 104 Total All Programs 453,754 486 528 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.

NOTE: AMP and DBP are closed and not available in 2017.

<sup>1</sup> 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 March.

<sup>2</sup> 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.

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

<sup>4</sup>Customers with little to no air conditioning usage or low economic viability were retired from SmartAC in July 2017. This measure was implemented to improve customer experience, reliability, economic efficiency, and support market integration (A.17-01-018 and A.17-01-019). <sup>5</sup> BIP customers that dual participate in PDP are not counted towards the 300 MW BIP cap. The BIP program is below the 300 MW cap for the month of July 2017.

#### Pacific Gas and Electric Company Average Ex Ante Load Impact kW / Customer July 2017

Program Eligibility and Ex Ante Average Load Impacts<sup>1</sup>

					Average	Ex Ante Loa	ad Impact	kW / Custo	mer					
Program	January	February	March	April	Мау	June	July	August	September	October	November	December	Eligible Accounts as of Jan 1, 2017 <sup>1</sup>	Eligibility Criteria (Refer to tariff for specifics)
BIP - Day Of	753.06	773.34	779.58	853.08	866.22	874.64	878.77	909.47	868.27	851.46	774.42	742.80	10,935	This schedule is available to bundled-service, Community Choice Aggregation (CCA) Service, and Direct Access (DA) commercial, industrial, and agricultural customers. Each customer, both directly enrolled and those enrolled in an aggregator's portfolio, must take service under the provisions of a demand time- of-use rate schedule to participate in the program and have at least an average monthly demand of 100 kilowatt (kW). Customers being served under Schedules AG-R or AG-V are not eligible for this program. Customers taking service under DA must meet the metering requirements prescribed in the Metering Equipment section of this rate schedule.
овмс	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not Available	Bundled, DA and CCA non-residential customer accounts with interval meters that must be able to reduce electric load such that the entire load on the PG&E circuit or dedicated substation that provides service to that customer is reduced to or below Maximum Load Levels (MLLs) for the entire duration of each and every RO operation.
SLRP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not Available	Bundled-service customers taking service under Schedules A-10, E-19 or E-20 & minimum average monthly demand of 100 kW. Customers must commit to minimum 15% of baseline usage, with a minimum load reduction of 100 kW.
SmartAC <sup>™</sup> - 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 <sup>™</sup> - Residential	N/A	N/A	N/A	N/A	0.35	0.56	0.58	0.55	0.52	0.25	N/A	N/A	Not Available	Residential customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment.
AMP - 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	Not Available	Program is closed for 2017.
CBP - Day Ahead	N/A	N/A	N/A	N/A	138.07	138.07	138.07	138.07	138.07	138.07	N/A	N/A	596.440	A customer may participate in either the Day-Ahead or Day-Of option. A customer with multiple service agreements (SA) may nominate demand reductions from a single SA to either the Day-Of option or Day-Ahead option. Ar SA may not be nominated to both the Day-Of and Day-Ahead option during a single program month. Customers that receive electric power from third parties (other than through direct access and Community Choice Aggregation) and customers billed for standby service are not eligible for Schedule E-CBP. Eligible customers include those receiving partial standby service or services pursuant to one or more of the Net Energy Metering Service schedules except NEMCCSF.
CBP - Day Of	N/A	N/A	N/A	N/A	22.21	22.21	22.21	22.21	22.21	22.21	N/A	N/A	. 590,440	A customer may participate in either the Day-Ahead or Day-Of option. A customer with multiple service agreements (SA) may nominate demand reductions from a single SA to either the Day-Of option or Day-Ahead option. Ar SA may not be nominated to both the Day-Of and Day-Ahead option during a single program month. Customers that receive electric power from third parties (other than through direct access andCommunity Choice Aggregation) and customers billed for standby service are not eligible for Schedule E-CBP. Eligible customers include those receiving partial standby service or services pursuant to one or more of the Net Energy Metering Service schedules except NEMCCSF.
DBP	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	Program is closed for 2017.
PDP (200 kW or above)	4.67	5.03	5.74	12.33	13.12	14.37	14.35	14.78	14.47	12.74	5.79	5.21	5,571	November 2014 for bundled C&I Customers with <200 kW Maximum Demand
PDP (above 20 kW & below 200 kW)	0.13	0.12	0.12	0.31	0.35	0.40	0.40	0.41	0.40	0.33	0.13	0.13		and 12 consecutive months of interval data.
PDP (20 kW or below) SmartRate <sup>™</sup> - Residential	0.04	0.04	0.03	0.05 0.05	0.06 0.10	0.07 0.18	0.07 0.18	0.07 0.18	0.07 0.16	0.05	0.03		316,835 Not Available	A voluntary rate supplement to residential customers' otherwise applicable schedule. Available to Bundled-Service customers served on a single family residential electric rate schedule.

NOTE: The average Ex Ante load impacts per customer are based on the load impacts filing on April 3, 2017 (R.13-09-011). Estimated Average Ex Ante Load Impact kW/Customer = Average kW / Customer, under 1-in-2 weather conditions, of an event that would occur from 1 - 6 pm for April through October, and 4 - 9 pm for November through March, on the PG&E system peak day of the month.

NOTE: AMP and DBP are closed and not available in 2017.

<sup>1</sup> April data corrects the Ex Ante Load Impacts. The March ILP provided the updated Eligible Accounts and Program Eligibility for the Ex Ante Average Load Impacts for 2017.

#### Pacific Gas and Electric Company Average ExPost Load Impact kW / Customer July 2017

Program Eligibility and Ex Post Average Load Impacts <sup>1</sup>

					Average I	Ex Post Lo	ad Impact k	W / Custo	mer					
Program	January	February	March	April	Мау	June	July	August	September	October	November	December	Eligible Accounts as of Jan 1, 2017 <sup>1</sup>	Eligibility Criteria (Refer to tariff for specifics)
BIP - Day Of	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	1003.14	10,935	Bundled, DA and CCA non-residential customer service accounts that have at least an average monthly demand of 100 kW.
ОВМС	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 <sup>™</sup> - Commercial	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	Not Available	Small and medium business customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment. Closed to new enrollment.
SmartAC <sup>™</sup> - Residential	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	Not Available	Residential customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment.
AMP - 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	Not Available	Program is closed for 2017.
CBP - Day Ahead	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	149.47	596.440	Non-residential customers on commercial, industrial, partial standby, or agricultural rate schedules, except those who receive electric power from third parties (other than DA), billed via net metering or full standby services.
CBP - Day Of	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27	27.27		Non-residential customers on commercial, industrial, partial standby, or agricultural rate schedules, except those who receive electric power from third parties (other than DA), billed via net metering or full standby services.
DBP	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	Program is closed for 2017.
PDP (200 kW or above)	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	14.37	5,571	Default beginning on: May 1, 2010 for bundled C&I Customers >200 kW Maximum Demand: February 1st, 2011 for large bundled Ag customers;
PDP (above 20 kW & below 200 kW)	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	91,737	November 2014 for bundled C&I Customers with <200 kW Maximum Demand
PDP (20 kW or below)	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	316,835	and 12 consecutive months of interval data.
SmartRateTM - Residential	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	Not Available	A voluntary rate supplement to residential customers' otherwise applicable schedule. Available to Bundled-Service customers served on a single family residential electric rate schedule.

NOTE: The average Ex Ante Load Impacts per customer are based on the load impacts filing on April 3, 2017 (R.13-09-011). Estimated Average Ex Ante Load Impact kW/Customer = Average kW / Customer, under 1-in-2 weather conditions, of an event that would occur from 1 - 6 pm for April through October, and 4 - 9 pm for November through March, on the PG&E system peak day of the month.

NOTE: AMP and DBP are closed and not available in 2017.

 $^{1}$  The March ILP provided the updated Eligible Accounts and Program Eligibility for the Ex Post Average Load Impacts for 2017.

## Table I-2 Pacific Gas and Electtric Company Program Subscription Statistics July 2017

2017		Ji	anuarv			F	ebruary			N	arch		l –		April		l –		Mav				June	
Price Responsive	TA Identified MWs	Auto DR Verified MWs	TI Verified MWs	Total Technology MWs	TA Identified MWs	Auto DR Verified MWs	TI Verified MWs	Total Technology MWs	TA Identified MWs	Auto DR Verified MWs	TI Verified MWs	Total Technology MWs	TA Identified MWs	Auto DR Verified MWs	TI Verified MWs	Total Technology MWs	TA Identified MWs	Auto DR Verified MWs	TI Verified MWs	Total Technology MWs	TA Identified MWs	Auto DR Verified MWs	TI Verified MWs	Total Technolog MWs
MP - Day Of <sup>1,2</sup>	N/A	1.2	N/A	1.2	2 N/A	1.1	2 N/A	1.2	N/A	1.2	N/A	1.2	N/A	1.2	N/A	N/A	N/A	N/A	N/A	N/.	A N/A	N/A	N/A	
P - Day Ahead		0.0	0.0	0.0	0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0	0.0	0.0	
P - Day Of		0.0	0.0	0.0	0	0.0	0.0	0.0		0.0	0.0	0.0		0.2	0.0	0.2		0.2	2 0.0	0.3	2	2.9	0.0	
3P	N/A	N/A	N/A	N/A	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	
P		1.6	0.0	1.0	6	1.6	6 0.0	1.6		1.7	0.0	1.7		1.7	0.0	1.7		1.7	0.0	1.1	7	1.7	0.0	
nartRate™ - Residential		0.0	0.0	0.0	0	0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0	0.0	0.0	
nartAC™ - Commercial		0.0	0.0	0.0	0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0	0.0	0.0	
nartAC™ - Residential		0.0	0.0	0.0	0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0	0.0	0.0	
tal		2.8	0.0	2.8	в	2.8	B 0.0	2.8		2.9	0.0	2.9		3.1	0.0	1.9		1.9	0.0	1.9	9	4.6	0.0	
Interruptible/Reliability																								
P - Day of		0.0	0.0	0.0	0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0	0.0	0.0	
BMC		0.0	0.0			0.0		0.0		0.0	0.0			0.0				0.0		0.0		0.0	0.0	
LRP		0.0	0.0		0	0.0		0.0		0.0	0.0			0.0				0.0		0.0		0.0		
otal		0.0	0.0	0.0		0.0		0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.		0.0	0.0	
										0.0			1							-	-	1		
al Technology MWs		2.8	0.0	2.8	8	2.8	B 0.0	2.8		2.9	0.0	2.9		3.1	0.0	1.9		1.9	0.0	1.9	9	4.6	0.0	
General Program (may also be enrolled in TI and AutoDR)	0.0			1			1	1	0.0			1				r	0.0			1	0.0			
					0.0	-			0.0				0.0	-			0.0							
al	0.0				0.0				0.0				0.0	)			0.0				0.0			
tal 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	0.0	N/A	N/A	N/A	0.0	N/A	N/A	N//	A 0.0	N/A	N/A	
				147	0.0	147		1671		10/1	IN/A	19/5	0.0	N/A	19/2	IV/A	0.0	N/A	N/A	N//	4 0.0	IN/A	19/0	
0047	1		huku									190	0.0			IVA	0.0			N//				
2017	ТА		July		1		August		ТА	Sep	tember			0	ctober	•		No	ovember	•		De	cember	
	TA Identified	Auto DR Verified	TI Verified	Total Technology	TA Identified	Auto DR Verified	August TI Verified	Total Technology	TA Identified	Sep Auto DR Verified	tember TI Verified	Total Technology	TA Identified	O Auto DR Verified	ctober TI Verified	Total Technology	TA Identified	No Auto DR Verified	ovember TI Verified	Total Technology	TA Identified	De Auto DR Verified	cember TI Verified	Total Technolog
Price Responsive	Identified MWs	Auto DR Verified MWs	TI Verified MWs	Total Technology MWs	TA Identified MWs	Auto DR Verified MWs	August TI Verified MWs	Total Technology MWs	ldentified MWs	Sep Auto DR Verified MWs	tember TI Verified MWs	Total Technology MWs	TA Identified MWs	O Auto DR Verified MWs	ctober TI Verified MWs	Total Technology MWs	TA Identified MWs	No Auto DR Verified MWs	vember TI Verified MWs	Total Technology MWs	TA Identified MWs	De Auto DR Verified MWs	cember TI Verified MWs	Total Technolo MWs
Price Responsive	Identified	Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	Auto DR Verified MWs	August TI Verified MWs	Total Technology	Identified	Sep Auto DR Verified MWs	tember TI Verified	Total Technology MWs	TA Identified MWs	O Auto DR Verified MWs	ctober TI Verified MWs	Total Technology MWs	TA Identified	No Auto DR Verified	vember TI Verified MWs	Total Technology MWs	TA Identified MWs	De Auto DR Verified MWs	cember TI Verified MWs	Total Technolog
Price Responsive /IP - Day Of <sup>1,2</sup> /IP - Day Ahead	Identified MWs	Auto DR Verified MWs N/A 0.0	TI Verified MWs N/A 0.0	Total Technology MWs N// 0.1	TA Identified MWs A N/A	Auto DR Verified MWs	August TI Verified MWs	Total Technology MWs	ldentified MWs	Sep Auto DR Verified MWs	tember TI Verified MWs	Total Technology MWs	TA Identified MWs	O Auto DR Verified MWs	ctober TI Verified MWs	Total Technology MWs	TA Identified MWs	No Auto DR Verified MWs	vember TI Verified MWs	Total Technology MWs	TA Identified MWs	De Auto DR Verified MWs	cember TI Verified MWs	Total Technolo MWs
Price Responsive           MP - Day Of <sup>1,2</sup> P - Day Ahead           P - Day Of	Identified MWs N/A	Auto DR Verified MWs N/A 0.0 2.9	TI Verified MWs N/A 0.0 0.0	Total Technology MWs N// 0.0	TA Identified MWs A N/A 0 9	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
Price Responsive AP - Day Of <sup>1,2</sup> P - Day Ahead P - Day Of JP	Identified MWs	Auto DR Verified MWs N/A 0.0 2.9 N/A	TI Verified MWs N/A 0.0 0.0 N/A	Total Technology MWs 0.0 2.1 N//	TA Identified MWs A N/A 0 9 A N/A	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs	No Auto DR Verified MWs	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
Price Responsive P - Day Of <sup>1,2</sup> P - Day Afread P - Day Of P P	Identified MWs N/A	Auto DR Verified MWs N/A 0.0 2.9 N/A 2.1	TI Verified MWs 0.0 0.0 0.0 N/A 0.0	Total Technology MWs N// 0.0 2.1 N// N// 2.2	TA Identified MWs A N/A 9 A N/A	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
Price Responsive           MP - Day Of <sup>1,2</sup> P - Day Of <sup>1,2</sup> P - Day Of <sup>1,2</sup> P           JP           P           arRate <sup>100</sup> - Residential	Identified MWs N/A	Auto DR Verified MWs 0.0 2.9 N/A 2.1 0.0	TI Verified MWs 0.0 0.0 0.0 N/A 0.0 0.0	Total Technology MWs 0.0 2.1 N// 2.1 0.0	TA Identified MWs A N/A 0 9 A N/A 1	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
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Price Responsive P - Dav Qf <sup>1,2</sup> - Day Ahad Day Ahad Day Of P Day Afract <sup>10</sup> - Residential artAC <sup>100</sup> - Commercial artAC <sup>100</sup> - Residential	Identified MWs N/A	Auto DR Verified MWs N/A 0.0 2.9 N/A 2.1 0.0 0.0 0.0	TI Verified MWs N/A 0.0 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Technology MWs N// 0./ 2. N// 2. 0. 0. 0. 0. 0. 0.	TA Identified MWs A N/A 0 9 A N/A 1 0 0 0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
Price Responsive           P - Day Of <sup>1,2</sup> P - Day Ahead           P- Day Of           Parta Total           artAc™ - Residential           artAC™ - Residential	Identified MWs N/A	Auto DR Verified MWs 0.0 2.9 N/A 2.1 0.0 0.0	TI Verified MWs N/A 0.0 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Technology MWs N// 0./ 2. N// 2. 0. 0. 0. 0. 0. 0.	TA Identified MWs A N/A 0 9 A N/A 1 0 0 0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
Price Responsive           IP - Day Of 1-2           P - Day Ahead           P - Day Of P           P           PartRate™ - Residential artAC™ - Commercial artAC™ - Residential al           Interruptible/Reliability	Identified MWs N/A	Auto DR Verified MWs N/A 0.0 2.9 N/A 2.1 0.0 0.0 0.0	TI Verified MWs N/A 0.0 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs N// 0./ 2. N// 2. 0. 0. 0. 0. 0. 0.	TA Identified MWs A N/A 0 9 9 4 N/A 1 0 0 0 0 0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
Price Responsive AP - Day Of <sup>1,2</sup> P - Day Ahead P - Day Of P - Day Of P P arrRate <sup>TW</sup> - Residential arrRate <sup>TW</sup> - Residential tal	Identified MWs N/A	Auto DR Verified MWs 0.0 2.9 N/A 2.1 0.0 0.0 0.0 0.0 0.0	TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 0.0 2.: 0.1 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	TA Identified MWs A N/A 0 9 A N/A 1 0 0 0 0 0 0 0 0 0 0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
Price Responsive           P - Day Of 1-2           > Day Abead           > Day Of           P           partRate™ - Residential artAC™ - Commercial artAC™ - Residential artAC™ - Residential artAC™ - Residential           al           Interruptible/Reliability           - Day of           MC	Identified MWs N/A	Auto DR Verified MWs N/A 0.0 2.9 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 0.0 2.: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	TA Identified MW's A N/A 9 0 0 0 0 0 0 0 0 0 0 0 0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
Price Responsive P-Day Of <sup>12</sup> Day Ahead Day Of P P P P P P P P P P P P P P P P P P P	Identified MWs N/A	Auto DR Verified MWs N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TI Verified MWs N/A 0.0 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs N// 0.1 2.2 0.1 0.1 0.1 5.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0	TA           Identified           MWs           A           N/A           9           A           N/A           0           0           0           0           0           0           0           0           0           0           0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs
Price Responsive           P - Day Of <sup>12</sup> - Day Ahead           - Day Of <sup>12</sup> of           rtAc <sup>10</sup> - Residential           rtAC <sup>11</sup> - Commercial           rtAC <sup>11</sup> - Residential           1           Interruptible/Reliability           - Day of           P           Al	Identified MWs N/A	Auto DR Verified MWs 2.9 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs N// 0. 2. 2. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	TA           Identified           MWs           A           N/A           0           9           A           0           0           0           0           0           0           0           0           0           0           0           0           0           0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technol MWs
Price Responsive P - Day Of <sup>1,2</sup> - Day Ahead - Day Of <sup>1,2</sup> - Day Of <sup>1,2</sup> - Day Of <sup>1,2</sup> - Day Of <sup>1,2</sup> - Commercial rtAC <sup>™</sup> - Residential -  Interruptible/Reliability Day of  C P I I I Technology MWs	Identified MWs N/A	Auto DR Verified MWs N/A 0.0 2.9 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TI Verified MWs N/A 0.0 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs N// 2.2 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	TA           Identified           MWs           A           N/A           0           9           A           0           0           0           0           0           0           0           0           0           0           0           0           0           0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Tota Technol MWs
Price Responsive  P - Day Of <sup>12</sup> Day Ahead Day Of P Day Ahead Day Of P P P P P P P P P P P P P P P P P P P	Identified MWs N/A	Auto DR Verified MWs 2.9 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs N// 0. 2. 2. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	TA           Identified           MWs           A           N/A           0           9           A           0           0           0           0           0           0           0           0           0           0           0           0           0           0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technole MWs
Price Responsive Price Responsive P-Day Of <sup>1,2</sup> P-Day Of <sup>1,2</sup> P P P artRet <sup>™</sup> - Residential artAC <sup>™</sup> - Commercial artAC <sup>™</sup> - Residential al Interruptible/Reliability - Day of MC AP al al Technology MWs	Identified MWs N/A N/A	Auto DR Verified MWs 2.9 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs N// 0. 2. 2. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	TA           Identified           MWs           A           N/A           0           9           A           0           0           0           0           0           0           0           0           0           0           0           0           0           0	Auto DR Verified MWs	August TI Verified MWs A N/A	Total Technology MWs N/A	Identified MWs N/A	Sep Auto DR Verified MWs N/A	tember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	O Auto DR Verified MWs A N/A	ctober TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	No Auto DR Verified MWs N/A	TI Verified MWs	Total Technology MWs N//	TA Identified MWs A N/A	De Auto DR Verified MWs N/A	cember TI Verified MWs N/A	Total Technolo MWs

NOTE: Projects for which applications were approved in the previous funding cycle are charged to that funding cycle; however, installed megawatts are at the time of installation regardless of funding cycle. NOTE: AMP and DBP are not available in 2017. <sup>1</sup> ADR project payments carry over to the following year. 60% is paid upfront on completion of enrollment and the remaining 40% later on performance during an event season. <sup>2</sup> AMP value for January reflects 40% of the incentive payment that was processed and paid out in January for customer's participation in the 2016 DR Season.

#### Table I-3a Pacific Gas and Electric Company Demand Response Programs and Activities 2017 Incremental Cost Funding July 2017

#### 2017 Program Expenditures<sup>1</sup>

Cost Item	2016 Expenditures	January	February	March	April	May	June	July	August	September	October	November	December	Year-to-Date 2017 Expenditures	Program-to-Date 2017 Expenditures	2017 Fundina⁵	Fund shift Adjustments	Percent Funding
Category 1: Reliability Programs	Expenditures	January	rebruary	March	April	way	June	July	August	September	October	November	December	Expenditures	Expenditures	2017 Funding	Adjustments	Funding
Base Interruptible Program (BIP) Optional Bidding Mandatory Curtailment /	\$0	\$15,550	\$29,271	\$28,752	\$20,167	\$22,797	\$18,546	\$22,350	\$0	\$0	\$0	\$0	\$0	\$157,433	\$157,433	\$254,670		61.8% 13.3%
Scheduled Load Reduction (OBMC / SLRP)	\$0	\$178	\$777	\$1,463	\$1,486	\$534	\$672	\$442	\$0	\$0	\$0	\$0	\$0	\$5,552	\$5,552	\$41,833		
Budget Category 1 Total	\$0	\$15,729	\$30,048	\$30,214	\$21,652	\$23,331	\$19,218	\$22,792	\$0	\$0	\$0	\$0	\$0	\$162,984	\$162,984	\$296,503	\$0	55.0%
Category 2: Price-Responsive Programs																		
Capacity Bidding Program (CBP) SmartAC <sup>™</sup>	\$0 \$0	\$16,546 \$169,579	\$27,037 \$242,264	\$30,498 \$338,478	\$24,904 \$232,767	\$25,567 \$596,061	\$27,074 \$517,194	\$31,122 \$511,804	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$182,749 \$2,608,146	\$182,749 \$2,608,146	\$8,633,975 \$6,303,512		2.1% 41.4%
Budget Category 2 Total	\$0	\$186,125	\$269,301	\$368,976	\$257,671	\$621,629	\$544,268	\$542,926	\$0	\$0	\$0	\$0	\$0	\$2,790,895	\$2,790,895	\$14,937,486	\$0	18.7%
Category 3: DR Provider/Aggregator Managed Programs Aggregator Managed Portfolio (AMP)	\$0	\$7.350	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7.350	\$7.350	\$30.000		24.5%
Budget Category 3 Total	\$0	\$7.350	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,350	\$7,350	\$30.000	\$0	24.5%
Category 4: Emerging & Enabling Programs Auto DR	\$0	\$19,971	\$175,175	\$92,591	\$120,413	\$267,444	\$181,132	\$137,441	\$0	\$0	\$0	\$0	\$0	\$994,168	\$994,168	\$3,619,168		27.5%
DR Emerging Technology	\$0	\$58,626	\$38,552	\$45,433	\$56,980	\$88,207	\$69,709	\$40.349	\$0	\$0	\$0 \$0	\$0	\$0 \$0	\$397,856	\$397,856	\$1,390.051		28.6%
Budget Category 4 Total	\$0	\$78,597	\$213,727	\$138,024	\$177,393	\$355,651	\$250.841	\$177,790	\$0	\$0	\$0	\$0	\$0 \$0	\$1,392,024	\$1,392,024	\$5,009,218	\$0	27.8%
Category 5: Pilots Supply Side Pilot	\$0	\$26,599	\$27,444	\$51,591	\$52,106	\$38,929	\$40,486	\$46,024	\$0	\$0	\$0	\$0	\$0	\$283,179	\$283,179	\$2.089.887	ţŭ	13.5%
Excess Supply	\$0	\$14.005	\$10,910	\$48,330	\$13.973	\$17,799	\$15.076	\$23,738	\$0 \$0	\$0	\$0 \$0	\$0	\$0 \$0	\$143.832	\$143.832	\$596.915		24.1%
Budget Category 5 Total	\$0	\$40,604	\$38,354	\$99,921	\$66,079	\$56,728	\$55,562	\$69,762	\$0 \$0	\$0	\$0	\$0	\$0 \$0	\$427,011	\$427,011	\$2,686,802	\$0	
Category 6: Evaluation, Measurement and Verification DRMEC	so	\$28,552	\$54,449	\$44,361	\$71,982	\$122,971	\$57,110	\$74,172	\$0	\$0	\$0	\$0	\$0	\$453,597	\$453,597	\$2,854,566		15.9%
DR Research	ψu	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$00,001	\$394.824		0.0%
Budget Category 6 Total	\$0	\$28,552	\$54,449	\$44.361	\$71.982	\$122.971	\$57,110	\$74.172	\$0	\$0	\$0	\$0	\$0	\$453,597	\$453,597	\$3,249,390	\$0	14.0%
Category 7: Marketing, Education and Outreach																		
DR Core Marketing and Outreach	\$0	\$58,985	\$56,993	\$118,754	\$114,097	\$352,892	\$483,366	\$192,653	\$0	\$0	\$0	\$0	\$0	\$1,377,739	\$1,377,739	\$2,979,351		46.2%
Education and Training	\$0	\$5.054	\$10,767	\$14,585	\$9.091	\$9.381	\$10.968	\$6,948	\$0	\$0	\$0	\$0	\$0	\$66,795	\$66,795	\$233.344		28.6%
Budget Category 7 Total	\$0	\$64,039	\$67,760	\$133,338	\$123,188	\$362,273	\$494,333	\$199,601	\$0	\$0	\$0	\$0	\$0	\$1,444,534	\$1,444,534	\$3,212,695	\$0	45.0%
Category 8: DR System Support Activities																		
InterAct / DR Forecasting Tool	\$0	\$294,359	\$542,627	\$692,527	\$564,942	\$462,602	\$451,140	\$359,925	\$0	\$0	\$0	\$0	\$0	\$3,368,123	\$3,368,123	\$6,177,126		54.5%
DR Enrollment & Support	\$0	\$375,895	\$223,241	\$311,558	\$325,759	\$341,922	\$325,217	\$172,399	\$0 \$0	\$0	\$0 \$0	\$0	\$0 \$0	\$2,075,991	\$2,075,991	\$5,409,732		38.4%
Notifications	\$0	\$186.803	\$358,492	\$377.421	\$390,126	\$257.856	\$390.825	\$135.379	\$0	\$0	\$0	\$0	\$0	\$2,096,901	\$2,096,901	\$4,373,894		47.9%
DR Integration Policy & Planning	\$0	\$28,308	\$94.019	\$65,600	\$52,802	\$59,949	\$87,965	\$66,160	\$0	\$0	\$0	\$0	\$0	\$454,803	\$454,803	\$1,568,932		29.0%
Budget Category 8 Total	\$0	\$885,365	\$1,218,379	\$1,447,106	\$1,333,628	\$1,122,329	\$1,255,146	\$733,864	\$0	\$0	\$0	\$0	\$0	\$7,995,818	\$7,995,818	\$17,529,685	\$0	45.6%
Category 9: Integrated Programs and Activities (Including Technical Assistance) <sup>2</sup>																		
Technology Incentives - IDSM	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000		0.0%
Integrated Energy Audits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,264,000		0.0%
Budget Category 9 Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,264,000	\$0	0.0%
Category 10: Special Projects																		
Demand Response Auction Mechanism Pilot Phase 3 <sup>3</sup> Rule 24 O&M	\$44,107 \$0	\$20,849 \$28,575	\$32,728 \$76.039	\$34,266 \$69.565	\$18,939 \$76,694	\$19,745 \$97.031	\$26,434 \$124.622	\$4,835 \$64,574	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$157,796 \$537.099	\$201,903 \$537,099	\$12,000,000 \$648,395		1.7% 82.8%
Budget Category 10 Total	\$44.107	\$49,425	\$108,767	\$103,830	\$95,633	\$116,776	\$151.056	\$69,409	\$0	\$0	\$0	\$0	\$0	\$694,895	\$739.002	\$12.648.395	\$0	5.8%
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					****										*****	+-=10.001000		
HAN Integration project (as authorized in D.12-04-045).	\$0	\$198,466	\$204,301	\$207,863	\$202,534	\$202,129	\$200,364	\$200,379	\$0	\$0	\$0	\$0	\$0	\$1,416,037	\$1,416,037	\$0	\$0	0.0%
Total Incremental Cost <sup>4</sup>	\$44,107	\$1,554,251	\$2,205,085	\$2,573,635	\$2,349,761	\$2,983,817	\$3,027,898	\$2,090,696	\$0	\$0	\$0	\$0	\$0	\$16,785,144	\$16,829,251	\$62,864,175	\$0	26.8%
Technical Assistance & Technology Incentives (TA&TI) Identified as of July 2017	\$0	]																

<sup>1</sup> The expenditures listed are in support of PG&E's DR programs for large commercial, industrial and agricultural customers, excluding the aggregator-managed programs. Disclosure complies with OP 24 of D.12-04-045.

<sup>2</sup>Additional funding for Technology Incentives and Integrated Energy Audits was approved in Energy Efficiency Decision 14-10-046. This funding will continue through 2025 unless the Commission issues a superseding funding decision.

<sup>3</sup> Per D. 16-06-029 DRAM funds from the 2017 Funding Cycle are available beginning in 2016 to ensure that the 2017 auction will take place in time for 2018 delivery. D. 16-06-029 Ordering Paragraph 21 authorizes PG&E \$12m for DRAM in 2017 for auctions in 2018 and 2019.

<sup>4</sup> Total Incremental Cost excludes incentives. Incentives are reported on Table I-5.

<sup>5</sup> Program budgets have been updated to include employee benefits costs approved in the GRC (D.17-05-013) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2017-2019, issue date of May 11, 2017.

#### Table I-3b Pacific Gas and Electric Company Demand Response Programs and Activities Carry-Over Expenditures and Funding July 2017

Cost Item <sup>1</sup>	January	February	March	April	May	June	July	August	September	October	November	December	Carry-Over Expenditures incurred in 2017
Category 1: Reliability Programs													
Base Interruptible Program (BIP) Optional Bidding Mandatory Curtailment /	\$3,495	(\$3,477)	\$0	\$0	\$0	\$0	\$0						\$18
Scheduled Load Reduction (OBMC / SLRP)	\$66	(\$62)	\$0	\$0	\$0	\$0	\$0						\$4
Budget Category 1 Total	\$3,561	(\$3,539)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22
Category 2: Price-Responsive Programs													
Demand Bidding Program (DBP)	\$8,424	(\$6,994)	(\$0)	(\$201)	\$0	\$0	\$0						\$1,229
Capacity Bidding Program (CBP)	\$2,186	(\$539)	(\$0)	\$0	\$0	\$0	\$0						\$1,647
Peak Choice	\$0	\$0	\$0	\$0	\$0	\$0	\$0						\$0
SmartAC <sup>™</sup>	\$21,516	(\$19,232)	\$6,080	\$37,433	(\$24,834)	(\$0)	\$0						\$20,964
Critical Peak Pricing (CPP)	\$0	\$0	\$0	\$0	\$0	\$0							\$0
Budget Category 2 Total	\$32,126	(\$26,765)	\$6,080	\$37,232	(\$24,834)	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$23,839
Category 3: DR Provider/Aggregator Managed Programs													
Aggregator Managed Portfolio (AMP)	\$2,370	(\$712)	(\$0)	\$0	\$0	\$0	\$0						\$1,658
Budget Category 3 Total	\$2,370	(\$712)	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,658
Category 4: Emerging & Enabling Programs													
Auto DR	\$77,339	\$159,378	\$80,870	\$104,847	\$26,345	\$33,575	\$33,600						\$515,953
DR Emerging Technology	\$20,670	\$47,363	(\$55,117)	\$32,882	\$3,125	\$12,537	\$420						\$61,879
Budget Category 4 Total	\$98,008	\$206,741	\$25,753	\$137,729	\$29,470	\$46,113	\$34,020	\$0	\$0	\$0	\$0	\$0	\$577,833
Category 5: Pilots			•	•	,	r	,						
IRR Phase 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0						\$0
T&D DR	(\$965)	(\$211)	(\$1,143)	(\$352)	(\$19,707)	\$0	\$0						(\$22,378)
Plug-in Hybrid EV/EV (incl. HAN-EV)	\$0	\$19,505	\$0	(\$405)	\$0	\$0	\$0						\$19,100
Supply Side Pilot	\$2,401	\$892	(\$3,034)	(\$100)	\$0	\$0	\$0						\$158
Excess Supply	\$500	(\$469)	(\$0)	(\$600)	\$0	\$0	\$0						(\$570)
Budget Category 5 Total	\$1,936	\$19,716	(\$4,177)	(\$1,457)	(\$19,707)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$3,689)
Category 6: Evaluation, Measurement and Verification													
DRMEC	\$209,087	\$145,520	\$291,026	\$185,053	\$44,117	\$41,506	\$14,383						\$930,693
DR Research Studies	\$5,000	\$4,876	\$42,092	\$8,000	\$8,000	\$8,000	\$8,000						\$83,968
Budget Category 6 Total	\$214,087	\$150,396	\$333,118	\$193,053	\$52,117	\$49,506	\$22,383	\$0	\$0	\$0	\$0	\$0	\$1,014,660
Category 7: Marketing, Education and Outreach													
DR Core Marketing and Outreach	(\$627)	(\$635)	(\$2,419)	(\$351)	\$0	\$0	\$0						(\$4,032)
SmartAC <sup>™</sup> ME&O	\$768	(\$11,568)	(\$1,449)	\$96	\$0	\$342	\$0						(\$11,810)
Education and Training	\$4,213	(\$1,008)	(\$2,161)	(\$48)	\$0	\$0	\$0						\$996
Budget Category 7 Total	\$4,355	(\$13,211)	(\$6,028)	(\$304)	\$0	\$342	\$0	\$0	\$0	\$0	\$0	\$0	(\$14,846)
Category 8: DR System Support Activities													
InterAct / DR Forecasting Tool	\$100,018	\$50,906	(\$131,685)	\$56	(\$56)	\$0	\$0						\$19,240
DR Enrollment & Support	\$59,204	(\$244,076)	\$8,186	(\$9,419)	(\$7,911)	\$28	\$0						(\$193,988)
Notifications	\$8,261	(\$6,314)	(\$1)	(\$317)	\$0	\$0	\$0						\$1,630
DR Integration Policy & Planning	\$49,655	(\$34,056)	(\$15,346)	\$0	\$0	\$0	\$0						\$253
Budget Category 8 Total	\$217,138	(\$233,540)	(\$138,846)	(\$9,679)	(\$7,967)	\$28	\$0	\$0	\$0	\$0	\$0	\$0	(\$172,866)
Category 9: Integrated Programs and Activities													
(Including Technical Assistance)													
Technology Incentives - IDSM	\$9,361	(\$2,544)	(\$0)	\$0	\$0	\$0	\$0						\$6,817
PEAK	\$0	\$0	\$0	\$0	\$0	\$0	\$0						\$0
Integrated Marketing & Outreach	\$0	\$0	\$0	\$0	\$0	\$0	\$0						\$0
Integrated Education & Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0						\$0
Integrated Sales Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0						\$0
Integrated Energy Audits	(\$8,431)	(\$683)	(\$0)	\$0	(\$0)	\$0	\$0						(\$9,114)
Integrated Emerging Technology	\$0	\$0	\$0	\$0	\$0	\$0	\$0						\$0
Budget Category 9 Total	\$930	(\$3,227)	(\$0)	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,298)
Category 10: Special Projects													
Demand Response Auction Mechanism Pilot Phase 1	\$440	(\$440)	\$0	\$0	\$0	\$0 \$00 5 4 5	\$0						(\$0)
Demand Response Auction Mechanism Pilot Phase 2	\$9,933	\$14,062	\$21,712	\$13,943	\$29,552	\$26,545	\$32,909						\$148,656
DR-HAN Integration (excl. HAN-EV) Permanent Load Shifting	\$0 \$15,369	\$0 \$29,888	\$0 \$51,784	\$0 \$33,098	\$0 \$25,248	\$0 \$22,966	\$0 \$15,194						\$0 \$193,548
Budget Category 10 Total	\$15,369 \$25,743	\$29,888 \$43,510	\$51,784 \$73,496	\$33,098 \$47,041	\$25,248 <b>\$54,800</b>	\$22,966 \$49,511	\$15,194 \$48,104	\$0	\$0	\$0	\$0	\$0	\$193,548 \$342,204
	φ <b>2</b> 3,143	φ <del>4</del> 3,310	\$13, <del>43</del> 0	φ <del>4</del> 1,041	φ <b>J</b> 4,000	949,JII	φ <del>4</del> 0,104	\$U	φ	<b>\$</b> U	<b>\$</b> U	<b>ә</b> 0	φ <b>3</b> 42,204
Total Incremental Cost	\$600,254	\$139,369	\$289,394	\$403,616	\$83,878	\$145,501	\$104,506	\$0	\$0	\$0	\$0	\$0	\$1,766,519

<sup>1</sup> Expenditures on this page reflect expenses incurred in 2017 from all prior funding cycles

Areal, Persingal Sing Areag, Central Coast         Image: Central Coast	rogram ategory	Program Name	Month	Zones <sup>1</sup>	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 M <sup>1</sup> (Max Hourly) <sup>2,3</sup>
Decimality         Decimality <thdecimality< th="">         Decimality         Decimal</thdecimality<>	egory 1: Rel	liability Programs											
Instrumental regard ControlAddStatuAddStatuAddStatuAddNoNoNA <t< td=""><td></td><td>Base Interruptible Program</td><td>MAY</td><td>System</td><td>1</td><td>5/3/17</td><td>Day Of</td><td>CAISO Stage 1 Emergency</td><td>331</td><td>8:00 PM</td><td>9:25 PM</td><td>1.42</td><td>216.2</td></t<>		Base Interruptible Program	MAY	System	1	5/3/17	Day Of	CAISO Stage 1 Emergency	331	8:00 PM	9:25 PM	1.42	216.2
condent/ condent/ spacecondent/ 			JULY	System	2	7/11/17	Day Of		76	6:00 PM	8:00 PM	2	104.6
<table-container>          Bandbardsorm         Bandbardsorm</table-container>		Curtailment/ Scheduled Load Reduction	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bith         Bith </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td> </td> <td></td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>					1			1	1				
Capacy basis may any symple with grant many any symple with grant many and symple wit		2017)	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Decky biology ProgramMotMotMoreNotMot <td>1</td> <td>Capacity Bidding Program<sup>3</sup></td> <td></td> <td>North Coast, East Bay (Bay Area), South Bay (Bay</td> <td>1</td> <td></td> <td></td> <td></td> <td>12</td> <td></td> <td></td> <td>2</td> <td>REDACTED</td>	1	Capacity Bidding Program <sup>3</sup>		North Coast, East Bay (Bay Area), South Bay (Bay	1				12			2	REDACTED
Image: space		Capacity Bidding Program <sup>3</sup>	MAY		2	5/23/17			17	3:00 PM	7:00 PM	4	REDACTED
Aber Jacky Making Program Appex Jacky Making Program Appex Jacky Making Program Appex Jacky Making Program JALN System System System Appex Jacky Making Program JALN System Sys		Capacity Bidding Program <sup>3,4</sup>	JUNE	System	3	6/19/17	Day Ahead	Price	22	3:00 PM	7:00 PM	4	REDACTED
Capacy hading magnalJ.M.J.M.J.M.J.M.J.M.J.M.J.M.Math Casc, SussianG.O.G.O.Y.MarkMarkMarkG.O.M.O.Y.MarkMarkJ.G.M.O.Y.M.O.Y.MarkM.O.Y. <td></td> <td>Capacity Bidding Program<sup>3</sup></td> <td>JUNE</td> <td>System</td> <td>4</td> <td>6/20/17</td> <td>Day Ahead</td> <td></td> <td>22</td> <td>3:00 PM</td> <td>7:00 PM</td> <td>4</td> <td>REDACTED</td>		Capacity Bidding Program <sup>3</sup>	JUNE	System	4	6/20/17	Day Ahead		22	3:00 PM	7:00 PM	4	REDACTED
Indication (sequence)	t	Capacity Ridding Program <sup>3</sup>	ILINE	System	5	6/22/17	Day Ahead	Heat rate and	22	3-00 PM	7:00 PM	4	REDACTED
Individual magnam         Lot         Lot         Not	H												
picky listing rogan <sup>1</sup> (A)0         (A)00         (A)00<	1	Capacity Bidding Program*	JUNE	North Coast, Stockton	6	6/23/17	Day Ahead		1	4:00 PM	7:00 PM	3	REDACTED
Biolocky liading Program         Dial         Dial         Pail of the program         Dial         Dial <thdia< th="">         Dial         <thdia< th=""></thdia<></thdia<>		Capacity Bidding Program <sup>3</sup>	JULY	System	7	7/7/17	Day Ahead	Price	17	4:00 PM	7:00 PM	3	REDACTED
Depick bising Program         And Process bising Process bisi		Capacity Bidding Program <sup>3</sup>	JULY	System	8	7/27/17	Day Ahead		17	6:00 PM	7:00 PM	1	REDACTED
Instruction         Description         Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>			IIIIV		9	7/31/17	Day Ahead	Heat rate and	6	5:00 PM	7:00 PM	2	REDACTED
Capachy Biology Program         Capachy Biology Program <thcapachy biology="" program<="" th=""> <thcapachy biology<="" td=""><td>H</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td>E</td><td></td></thcapachy></thcapachy>	H								-			E	
Cupacity Bidding Program         Cuttur Cast. Lest Big May Avel, Gravers, Methods May Avel, Sam Bay May Avel, Gravers, Methods May Avel, Gravers May Avel, Grave				15, San Francisco (Bay Area), Sierra, ZP26	а			Price				1	
Capacity liading PagramMorth Bay, hom for bit 3, formina (ig My reds.)A properties (ig My reds.)Servers (ig My r	1	Capacity Bidding Program	MAY		1	5/22/17	Day Of	Heat rate	863	3:00 PM	7:00 PM	4	17.1
Capacity liabiding Program         (JUR)         Diry         Diry <thdiry< th="">         Diry         Diry         <th< td=""><td>1</td><td>Capacity Bidding Program</td><td>MAY</td><td>North Bay, North of Point 15, Peninsula (Bay Area),</td><td>2</td><td>5/23/17</td><td>Day Of</td><td>Heat rate</td><td>514</td><td>3:00 PM</td><td>7:00 PM</td><td>4</td><td>9.8</td></th<></thdiry<>	1	Capacity Bidding Program	MAY	North Bay, North of Point 15, Peninsula (Bay Area),	2	5/23/17	Day Of	Heat rate	514	3:00 PM	7:00 PM	4	9.8
Description         JULE         System         4         6/19/72         Day Office are and Price are	1	Canacity Bidding Program <sup>4</sup>	JUNE	East Bay (Bay Area), Geysers, North Bay	3	6/16/17	Day Of		162	3:00 PM	7:00 PM	4	3.4
Capachy ladding Program         June         System         So         6/2007         Bay Control         Sole M	-						0				2.00.014		26.4
Appekery langer register         June         J	-				4							4	-
Algobring		Capacity Bidding Program	JUNE	System	5	6/20/17	Day Of	Price	868	3:00 PM	7:00 PM	4	22.5
Lapectry liabiding Program         Junk         Point Looks, Junk		Capacity Bidding Program	JUNE	System	6	6/22/17	Day Of	Heat rate and Price	863	3:00 PM	7:00 PM	4	26.0
Description         B         7/7/7         Day Of         Processed         SOUND         20.0 PM         20.		Capacity Bidding Program <sup>3</sup>	JUNE	North Coast, Stockton	7	6/23/17	Day Of		26	4:00 PM	7:00 PM	3	REDACTED
Instructional process	-					2042	0.01						
Appert Manna Program         Control Markan         Control Markan <thcontrol markan<="" th="">         Control Markan         Co</thcontrol>	Ľ	Capacity Bidding Program	JULY	System	8	7/7/17	Day Of	Price	908	4:00 PM	7:00 PM	3	22.1
Approx         Approx         Bernstade, Scatth Rarey, Merchalder, Kern, Merch Law,		Capacity Bidding Program	JULY		9	7/27/17	Day Of	Price	908	6:00 PM	7:00 PM	1	20.6
Capaciry Liading Program         Capaciry Liading Program <thcapaciry liading="" program<="" th=""> <thcapaciry< td=""><td>-</td><td>Capacity Bidding Program</td><td>JULY</td><td>East Bay (Bay Area), Geysers, North Bay, North Coast,</td><td>10</td><td>7/31/17</td><td>Day Of</td><td></td><td>380</td><td>5:00 PM</td><td>7:00 PM</td><td>2</td><td>10.2</td></thcapaciry<></thcapaciry>	-	Capacity Bidding Program	JULY	East Bay (Bay Area), Geysers, North Bay, North Coast,	10	7/31/17	Day Of		380	5:00 PM	7:00 PM	2	10.2
Pick Day Pricing         Dis. Dis Trattonico (pryce), Darg, Ar-D         1         6/14/2         Day Abeat         Filter         200,591         20,794         6,00 PM         4         5,04           Peak Day Pricing         JURE         System         2         6/15/72         Day Abeat         Filterprintur         200,591         200,794         6:00 PM         4         5/1.5           Peak Day Pricing         JURE         System         6         6/2072         Day Abeat         Filterprintur         200,791         200 PM         6:00 PM         4         5/63           Peak Day Pricing         JURE         System         6         77772         Day Abeat         Filterprintur         200,791         200 PM         6:00 PM         4         5/3.3           Peak Day Pricing         JURE         System         6         77772         Day Abeat         Filterprintur         200,791         200 PM         6:00 PM         4         5/3.3           Peak Day Pricing         JURE         System         6         77772         Day Abeat         Filterprintur         200,791         200 PM         6:00 PM         4         5/3.3           SmartAC         JURE         System         1         5/177         Day Abeat <td></td> <td>Canacity Bidding Program</td> <td>1111</td> <td>Central Coast, Fresno, Humboldt, Kern, North of Point</td> <td>10</td> <td>7/31/17</td> <td>Day Of</td> <td></td> <td>528</td> <td>6:00 PM</td> <td>7:00 PM</td> <td>1</td> <td>10.5</td>		Canacity Bidding Program	1111	Central Coast, Fresno, Humboldt, Kern, North of Point	10	7/31/17	Day Of		528	6:00 PM	7:00 PM	1	10.5
Peak Day Pricing         JAME         System         2         67.307         Day Abest         Temperature         200.791								Price				-	
Peak Day Pricing         JANE         Spatem         1         6/20/7         Day Abead         Temperature         200,751         250 PM         6/00 PM         4         5/27           Peak Day Pricing         JANE         System         6         6/2177         Day Abead         Temperature         200,751         200 PM         6/00 PM         4         5/3           Peak Day Pricing         JANE         System         6         6/2177         Day Abead         Temperature         20,751         200 PM         6/00 PM         4         5/3           Peak Day Pricing         JANE         System         6         7/177         Day Abead         Temperature         20,751         200 PM         6/00 PM         4         5/3           Peak Day Pricing         JANE         System         1         5/177         Day Abead         Temperature         20,751         200 PM         6/00 PM         4         1/8         5/1           SmartAC         MARE         SmartAC         MARE         5/177         Day Of         Temperature         20,80         20.0PM         6/00 PM         4         20.2         5/1           SmartAC         JANE         SmartAC         JANE         SmartA         5/177					-							4	
Peak Day Pricing         JUNE         Spatial	H				2			· · · · · p · · · · · · · ·				4	
Peak Dry Pricing         JUME         System         S         G/3/J         Day Abeal         Temperature         200,753         20.0 PM         6.00 PM         4.0         5.11           Peak Dry Pricing         JUXE         System         6         7/77         Dary Abeal         Temperature         200,753         20.0 PM         6.00 PM         4         5.3           Peak Dry Pricing         JUXE         System         7         27727         Dary Abeal         Temperature         200,753         20.0 PM         6.00 PM         4         5.3           Peak Dry Pricing         JUXE         System         8         7/372         Dary Abeal         Temperature         200,755         20.0 PM         6.00 PM         4         5.3           SmartAC         JUXE         System         3         6.73/7         Dary Of         Temperature         20,078         20.0 PM         6.3         20.0 PM         6.3         20.0 PM         5.3         2.0 <td< td=""><td>H</td><td></td><td></td><td></td><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>-</td></td<>	H				3							4	-
Peak Day Pacing         JUX         Spleterm         6         7/77         Bay Meet         Temperature         207.35         JUM         6.00 PM         4         5.31           Peak Day Pacing         JUX         Synthm         Temperature         207.355         JUM         6.00 PM         4         10.1           Peak Day Pacing         JUX         Synthm         Temperature         207.355         JUM         6.00 PM         4         15.1           SmartAC         MAX         Synthm         1         5.07.7         Day Add         Temperature         6.26.4         3.00 PM         4.35         3.00 PM         4.35           SmartAC         JUME         Fenning Add         0.4         6.13/01         Day Od         Temperature         6.26.4         3.00 PM         4.5         3.00 PM         5.2         5.4         4.00 PM         5.2         5.4         4.00 PM         5.2         5.2         5.4         4.00 PM         5.2         5.2         5.4         4.00 PM         5.2         2.2         5.3         5.00 PM         5.2         2.2         5.3         5.00 PM         5.2         2.2         5.00 PM         5.2         2.2         5.00 PM         5.2         2.2         5.00					4 C		.,					4	
Peak Day Pricing         JAJX         Spattem         7         7/27/2         Day Ahead         Temperature         205,95         2:0.0 PM         6:0.0 PM         4         10.1           Beak Day Pricing         JAJX         Spattem         8         7/31/2         Day Ahead         Temperature         205,95         2:0.0 PM         6:0.0 PM         4         14.5           SmartAC         JAMZ         Spattem         1         5/A/7         Day Of         CMS092827         62.30         4         30.0 PM         2.5         2.6         3.0           SmartAC         JAMZ         Spattem         2         67.19         Day Of         Temperature         62.36         4.30 PM         2.5         2.6         3.0           SmartAC         JAMZ         Spattem         2.5         4.7         Day Of         Temperature         62.36         4.30 PM         2.5         2.2           SmartAC         JAMZ         SmartA         Spattem         2.5         2.0         18.4           SmartAC         JAMZ         SmartA         Sattem         5.7         7.7         Day Of         Temperature         7.30 PM         5.0         7.3           SmartAC         JAMZ         Se	-				3							4	
Peak Day Pricing         JAJX         Spittm         B         7/3/12         Day Abnut         Temperature         205, 75         2.00 PM         6.00 PM         4         18.5           SmartAC         MAX         Spittm         1         5/3/7         Day OM         Spittm         205, 75         2.00 PM         6.00 PM         4         1.85           SmartAC         MAX         Spittm         2         6/5/37         Day OM         Temperature         2.06, 75         2.00 PM         6.20 PM         6.20         5.00 PM         6.20         2.00 PM         6.20         2.00 PM         5.00 PM         5	H				2							4	
SmarkL         MAV         Spitter         1         Sr/J77         Day Of         CM03 Sage 1 (morgers)         143,89         715 PM         9.30 PM         2.55         3.6.1           SmarkLC         JURE         Benk 0.4,9,7,8         2         6/1997         Day Of         Temperature         62,246         3.00 PM         5.2         6.2         300 PM         5.2         5.2         5.0         300 PM         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.2         5.3         5.2         5.2         5.3         5.3         5.2         5.2         5.3 <t< td=""><td>H</td><td></td><td></td><td></td><td>, e</td><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td></td></t<>	H				, e							4	
Induk         Image         Image <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></th<>												-	
SourdAC         JUME         Second 4, 8         3         6/27/2         Bay CM         Temperature         3.00M         8.00PM         8.02PM         8.02	-				*			Emergency					
Smarklc         JAU         Freinin, North of Paint 15, 2726         4         7/6/72         Day Of         Temperature         4, 22.8         4.30 PM         2.00 PM         2.50         18.4           Smarklc         JLUZ         Sensity A, 5, 6, 7, 8, 0         5         7/7/7         Day Of         Temperature         78,366         3.20 PM         8.00 PM         2.50         3.21           Smarklc         JLUZ         Sensity A         6.7         715/73         Day Of         Temperature         13.228         2.30 PM         8.00 PM         5.5         3.7           Smarklc         JLUZ         Sensity S         6.6         7.15/37         Day Of         Temperature         13.288         2.30 PM         6.00 PM         5.5         3.31           Smarklc         JLUZ         Sensity Ferzon, Kern, North Orbit 15, 272.6         8         7.281/73         Day Of         Temperature         13.08         5.30 PM         5.00 PM         4.5         1.31           Smarklc         JLUZ         Sensity Ferzon, Kern, North Coatt         9         7.271/73         Day Of         Temperature         1.82,52         2.00 PM         4.5         1.31           Smarklc         JLUZ         Senstin         JLUZ         Senstin	H				2								
Smarkle         JUX         Senith 0, 4, 5, 6, 7, 8, 9         S         7/77         Day OF         Temperature         7,833         3,0 PM         8,00 PM         6,0         9,232           Smarkle         JUX         Genit 1         6         7,1571         Day OF         Temperature         13,051         13,041         3,00 PM         1,50         13,041         3,00 PM         5,0         1,30         3,00 PM         5,00         1,31         3,00 PM         5,00         1,31         3,00 PM         5,00         1,31         3,00 PM         5,00         1,31           SmartAte         JUME         Spertm         <	-				3								
Junck         Junc         Junck	H				5								-
SmartAC         JULY         Servital         G         7/5/17         Day Off         Temperature         13,26         5.30 PM         6.00 PM         1.5         7.3           SmartAC         JULY         Servital         6         7/5/17         Day Of         Temperature         13,26         5.30 PM         6.00 PM         1.5         5.3           SmartAC         JULY         Servital         7         72/17         Day Of         Temperature         13,26         5.30 PM         6.00 PM         1.5         5.3           SmartAC         JULY         Servital         7         72/17         Day Of         Temperature         5.002         3.20 PM         6.00 PM         5.5         1.3           SmartAC         JULY         Servital         7         72/17         Day Of         Temperature         5.002         3.20 PM         5.00 PM         5.3         3.3           SmartAte         JULK         Servital         6         7         7         Day Of         Temperature         126.52         2.00 PM         5.0         3.31           SmartAte         JULK         Servital         6         6         7         Day Abate         Temperature         126.52         2.0	-				6	.,.,							
Junck         Junck         Formation         G         27/57/2         Day Off         Temperature         31.565         32.07M         40.07M         5.5         5.5           SmartAC         Junck         Ferrors, Kern, Korth of Point 15, 292.6         8         727/17         Day Of         Temperature         43.09         40.07M         4.5         5.3           SmartAC         Junck         Ferrors, Kern, Korth of Point 15, 292.6         8         727/17         Day Of         Temperature         63.00         2.30 PM         70.07M         1.5         2.1           SmartAC         JUNC         Ferrors, Kern, Korth of Point 15, 292.6         8         72.01/17         Day Of         Temperature         8.02         4.30 PM         7.00 PM         5         3.3           SmartAC         JUNC         Ferrors         3.04         4.00 PM         5         3.3           SmartAte         JUNC         System         3         6.010         Day Med         Temperature         3.24         4.00 PM         5         9.2           SmartAte         JUNC         System         3         6.010         Day Med         Temperature         3.26.2         2.00 PM         5         9.2           SmartAte	H				6								-
SmartAC         JUX         Second Matrix				Serial 3	6		Day Of					3.5	
SmartAC         JUX         Kem, Sterra, North Coast         9         7/31/2         Day Of         Temperature         20,455         4.30 PM         9.00 PM         15.0         13.1           SmartRate         JURE [System         1         6/16/72         Day Abest         Temperature         126,252         20.00 M         7.00 PM         5.2         5.25           SmartRate         JURE [System         2         6/10/7         Day Abest         Temperature         126,252         20.00 M         7.00 PM         5.2           SmartRate         JURE [System         3         6/20/7         Day Abest         Temperature         126,431         20.00 M         5.0         6/5.0           SmartRate         JURE [System         6         6/21/7         Day Abest         Temperature         126,431         20.00 M         5.0         6/5.4           SmartRate         JURE [System         6         6/21/7         Day Abest         Temperature         126,431         20.00 M         5.0         6/5.2           SmartRate         JURE [System         6         7/17/7         Day Abest         Temperature         126,431         20.00 M         5.0         6.7           SmartRate         JURE [System         6		SmartAC	JULY	Serials 5, 7, 6, 8, 4, 9	7		Day Of	Temperature	61,909	2:30 PM		4.5	
Smartitate         JUNE [system         1         67.647         Day Abed         Temperature         128.528         2.00 PM         5.00 PM	H H				8							310	
SmartRate         JUNE [system         2         6/19/17         Day Ahead         Temperature         128,52         2.00 PM         7.00 PM         5         5.25           SmartRate         JUNE [system         3         6/2007         Day Ahead         Temperature         128,642         2.00 PM         7.00 PM         5         6.56           SmartRate         JUNE [system         4         6/207         Day Ahead         Temperature         128,642         2.00 PM         7.00 PM         5         6.56           SmartRate         JUNE [system         5         6/217         Day Ahead         Temperature         128,452         2.00 PM         7.00 PM         6         4.68           SmartRate         JUNE [system         5         6/217         Day Ahead         Temperature         128,452         2.00 PM         7.00 PM         5         6.27           SmartRate         JUNE [system         6         7/7/7         Day Ahead         Temperature         128,452         2.00 PM         7.00 PM         5         6.27           SmartRate         JUNE [system         6         7/7/7         Day Ahead         Temperature         128,452         2.00 PM         5.00 PM         5.0         3.7					9	.,,						3.5	
SmartRate         JURE         Spream         3         6/2017         Day Abeat         Temperature         128,46         200PM         50.0PM         50.0	-			1	1							5	
Junci System         4         6/22/37         Day Abset         Temperature         22,833         200 PM         200 PM         5         94.4           SmartRate         Junci System         5         6/23/37         Day Abset         Temperature         128,433         200 PM         700 PM         5         94.4           SmartRate         Junci System         6         77/77         Day Abset         Temperature         128,433         200 PM         700 PM         5         46.8           SmartRate         JUNC System         6         77/77         Day Abset         Temperature         128,433         200 PM         700 PM         5         45.7           SmartRate         JUNC System         7         72/717         Day Abset         Temperature         128,431         200 PM         700 PM         5         2.4           SmartRate         JUNC System         8         721/17         Day Abset         Temperature         120,781         200 PM         700 PM         5         2.4					2							5	
SmartRate         JUNE [system         S         6/23/17         Day Abeat         Temperature         128,425         2:00 PM         5:00 PM					3							5	
SmartRate         JUX System         6         7/7/7         Day Abead         Temperature         228,248         2:00 PM         5:00 PM					4							5	
SmartRate         JULY System         7         7/27/17         Day Ahead         Temperature         121,05         2:00 PM         5:00 PM	H				6		.,					s s	
SmartRate         JULY         System         8         7/31/12         Day Ahead         Temperature         120,374         2:0.0 PM         7:00 PM         5         23.4	H				7							5	
	H				8							5	
Aggregator Managed Portfolio N/A N/A N/A N/A N/A N/A N/A N/A N/A	egory 3: DR	Provider/Aggregator Managedd			-		.,	mparatare	+++++++++++++++++++++++++++++++++++++++			r	·

NOTE: For 2017 the Results for CBP and BIP include load reduction from participants that are enrolled in multiple programs and the Results for PDP exclude load reduction from participants that are enrolled in multiple programs. NOTE: AMP and DBP are not available in 2017.

NOTE: AMP and DBP are not available in 2017. I deturtifies backnot over (SoldAL)P to Koaly-dispatchable programs. Non-locally-dispatchable programs are listed as System. Serials listed can be throughout the territory, not a specific sublap (device serial last digits have a "I deturtifies backnot over (SoldAL)P to Koaly-dispatchable programs. Non-locally-dispatchable programs are listed as System. Serials listed can be throughout the territory, not a specific sublap (device serial last digits have a "I deturtifies backnot over (SoldAL)P to Koaly-dispatchable mered tata and many ary by mosth pending ming the collection of al data. <sup>3</sup> Pursuant to Commission guidance in 0.14-05-016, p.111 and Finding of Far12, PG&E will redact the load reduction MW (Max Hourly) in the Public Version (identified with shaded cells) according to the 15/15 rule where there are fever than 1.5 customes involved on where a subject submers in the group accounts for more than 15 percent of the aggregated total. <sup>4</sup> CBP uses both heat rate and price triggers starting 5/25/2017.

# Table I-5a Pacific Gas and Electric Company 2017 Demand Response Programs Incentives July 2017

Annual Total Cost													
Cost Item	January	February	March	April	Мау	June	July	August	September	October	November	December	Year-to-Dat Total Cost
Program Incentives													
Aggregator Managed Portfolio (AMP) <sup>1</sup>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
Automatic Demand Response (AutoDR)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
Base Interruptible Program (BIP) <sup>1</sup>	\$2,111,280	\$2,254,034	\$2,276,364	\$2,225,510	2,205,416	\$2,325,208	\$2,441,787	\$0	\$0	\$0	\$0	\$0	\$15,839,59
Capacity Bidding Program (CBP) <sup>2</sup>	\$0	\$0	\$0	\$0	\$81,311	\$108,146	\$378,644	\$0	\$0	\$0	\$0	\$0	\$568,10
Demand Bidding Program (DBP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
Excess Supply Pilot Optional Binding Mandatory Curtailment / Scheduled Load Reduction Program (OBMC	\$700	\$700	\$700	\$700	\$700	\$7,300	\$6,151	\$0	\$0	\$0	\$0	\$0	\$16,95
/ SLRP) <sup>1</sup>	\$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
SmartAC <sup>™</sup>	\$8,300	\$8,815	\$10,349	\$13,279	\$23,226	(\$50)	\$33,695	\$0	\$0	\$0	\$0	\$0	\$97,614
Supply Side Pilot	\$10,000	\$9,100	\$10,000	\$10,000	\$10,000	\$10,000	\$6,161	\$0	\$0	\$0	\$0	\$0	\$65,262
Technology Incentive (TI)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transmission and Distribution Pilot (T&D DR)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost of Incentives	\$2,130,280	\$2,272,649	\$2,297,414	\$2,249,489	\$2,320,653	\$2,450,605	\$2,866,437	\$0	\$0	\$0	\$0	\$0	\$16,587,52
Revenues from Penalties <sup>3</sup>	\$0	\$0	\$0	\$0	228,234	\$0	\$84,748	\$0	\$0	\$0	\$0	\$0	\$312,98

NOTE: AMP and DBP are closed and not available in 2017.

<sup>1</sup> Amounts reported are for incentive costs that are not recorded in the Demand Response Expenditures Balancing Account.

<sup>2</sup> Incentives reported are net of penalties paid by the aggregators.

<sup>3</sup> Revenues from Penalties denote penalty/default payments made by aggregators and charges to direct enrolled customers enrolled in BIP programs.

#### Table I-5b Pacific Gas and Electric Company **Demand Response Programs and Activities** Carry-Over Incentives and Funding July 2017

Annual Total Cost													
Cost Item <sup>1</sup>	January	February	March	April	Мау	June	July	August	September	October	November	December	Carry-Over Incentives incurred in 2016
Program Incentives													
Aggregator Managed Portfolio (AMP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Automatic Demand Response (AutoDR)	\$327,645	\$0	\$10,559	\$43,207	\$0	\$313,353	\$51,840	\$0	\$0	\$0	\$0	\$0	\$746,604
Base Interruptible Program (BIP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capacity Bidding Program (CBP)	(\$397)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$397)
Demand Bidding Program (DBP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DRAM Phase 1 <sup>2</sup>	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
DRAM Phase 2 <sup>2</sup>	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Excess Supply Pilot	\$0	\$0	(\$551)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$551)
Permanent Load Shift	\$0	\$0		\$0	\$0	\$0				\$0	\$0	\$0	\$0
PHEV/EV Pilots	\$0	\$0		\$0	\$0	\$0	\$0			\$0	\$0	\$0	\$0
Supply Side Pilot SmartAC <sup>™</sup>	\$0	\$0 \$0	(+ - ) )	,		\$0 \$100	\$0	• -	+-	\$0 \$0	\$0 ©	\$0 ©	(\$8,644)
Technology Incentive (TI)	\$10,273 \$0	\$9 \$0	•	(\$100) \$0	) (\$50) \$0	) \$100 \$0				\$0 \$0	\$0 \$0	\$0 \$0	\$10,482
	\$0 \$0	\$0 \$0		\$0 \$0	\$0 \$0	\$0 \$0			**	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Transmission and Distribution Pilot (T&D DR) Total Cost of Incentives	\$0 \$337,522	\$0 <b>\$9</b>		\$0 \$40,140	۵۵ ( <b>\$50</b> )					\$0 <b>\$0</b>	\$0 <b>\$0</b>		
Revenues from Penalties	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

NOTE: AMP and DBP are closed and not available in 2017.

<sup>1</sup> Incentives on this page reflect incentives paid in 2017 from all prior funding cycles. <sup>2</sup> 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 2017 Marketing, Education and Outreach Actual Expenditures July 2017

PG&E's ME&O Actual Expenditures				2017	Funding Cycle	Customer	Communica	tion, Market	ing, and O	utreach					2017 Authorized
		January	February	March	April	May	June	July	August	September	October	November	December	Year-to-Date 2017 Expenditures	2017 Authorized Budget (if Applicable)
I. STATEWIDE MARKETING															
IOU Administrative Costs	\$	- \$	- \$	- 9	\$ -	\$-	\$ -	\$ -	\$ -	\$ -	\$-	\$ -	\$ -	\$-	
Statewide ME&O contract	\$	- \$	- \$	- 5	\$-	\$-	\$-	\$-	\$ -	\$-	\$-	\$-	\$ -	\$-	
I. TOTAL STATEWIDE MARKETING	\$	- \$	- \$	- 9	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	
II. UTILITY MARKETING BY ACTIVITY <sup>1</sup>															
TOTAL AUTHORIZED UTILITY MARKETING BUDGET FOR 2015-2016															
PROGRAMS, RATES & ACTIVITES WHICH DO NOT REQUIRE ITEMIZED ACCOUNTING															
Integrated Demand Side Marketing		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Marketing My Account/Energy and Integrated Online Audit Tools	\$	- \$	- \$			\$ -		\$ -						\$ -	
Critical Peak Pricing > 200 kW	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Demand Bidding Program	\$	- \$	- \$			\$ -	•	\$ -						\$ -	
Real Time Pricing	,	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Permanent Load Shifting	\$	, 9,896 \$	9,826 \$	13,382			\$ 8,754			,		,	•	\$ 68,674	
Circuit Savers		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Small Commercial Technology Deployment		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Enabling Technologies (e.g., AutoDR, TI)	\$	, 8,844 \$	. 10,241 \$	20,073			•	\$ 11,215		,		,	•	\$ 92,513	
PeakChoice		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Customer Awareness, Education and Outreach	\$	14,739 \$	17,068 \$	33,454	\$ 23,603		\$ 21,885	\$ 18,691						\$ 154,188	
PROGRAMS & RATES WHICH REQUIRE ITEMIZED ACCOUNTING		20 FC4 Å	20.C24	66 400 V		A	A 450 550	<b>A</b> 452 242	~			<u>,</u>		<b>A A A A A A A A A A</b>	
SmartAC	\$ \$	30,561 \$	30,624 \$	66,430	- 1	1 - 7		\$ 162,219 \$ -	\$ -	\$ -	\$ -	\$ -		\$ 1,129,158 \$ -	-
Customer Research	ş Ş	- \$	- \$			\$ -	Ŧ	Ŧ						+	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	s s	10,000 \$	10,000 \$	52,567	· · ·	\$ 274,396 \$ 28,434	. ,	\$ 144,225 \$ 17,994						\$ 962,696 \$ 142,512	
Labor Paid Media	ç	20,561 \$ - \$	20,624 \$	13,863		\$ 28,434 \$ -	. ,	\$ 17,994 \$ -						\$ 142,512 \$ -	
	Ş	- >	- >											Ŧ	
Other Costs	\$		Ŧ	,			1 7	\$ -						+	
II. TOTAL UTILITY MARKETING BY ACTIVITY	Ş	64,039 \$	67,760 \$	133,338	5 123,188	\$ 362,273	\$ 494,333	\$ 199,601	Ş -	Ş -	Ş -	Ş -	Ş -	\$ 1,444,534	
III. UTILITY MARKETING BY ITEMIZED COST															
Customer Research				/										\$-	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$	14,000 \$	7,001 \$	65,832		\$ 278,003	1 / -	\$ 150,937						\$ 1,006,145	
Labor	\$	50,039 \$	60,759 \$	67,506		\$ 74,235	. ,	\$ 48,664						\$ 410,159	
Paid Media	\$	- \$	- \$	-		\$ -		\$ -						\$-	
Other Costs	\$	- \$	- \$	- (	• .,	. ,	1 7	\$ -						\$ 28,230	
III. TOTAL UTILITY MARKETING BY ITEMIZED COST	Ş	64,039 \$	67,760 \$	133,338	5 123,188	\$ 362,273	\$ 494,333	\$ 199,601	Ş -	\$ -	Ş -	\$ -	Ş -	\$ 1,444,534	
IV. UTILITY MARKETING BY CUSTOMER SEGMENT															
Agricultural	\$	5,022 \$	5,570 \$	10,036	· · ·		. ,	\$ 5,607						\$ 47,306	
Large Commercial and Industrial	\$	28,457 \$	31,565 \$	56,872	\$ 40,126	\$ 42,070	\$ 37,205	\$ 31,775						\$ 268,069	
Small and Medium Commercial	\$	- \$	- \$	- 5	\$-	\$-		\$-						\$-	
Residential	\$	30,561 \$	30,624 \$	66,430	\$ 75,982	\$ 312,780	\$ 450,563	\$ 162,219						\$ 1,129,158	
IV. TOTAL UTILITY MARKETING BY CUSTOMER SEGMENT	\$	64,039 \$	67,760 \$	133,338	\$ 123,188	\$ 362,273	\$ 494,333	\$ 199,601	\$ -	\$-	\$ -	\$ -	\$ -	\$ 1,444,534	

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

### Pacific Gas and Electric Company 2017 Fund Shifting Documentation July 2017

Program Category	Fund Shift Amount	Programs Impacted	Date	Rationale for Fundshift
Category 1: Reliability Programs	\$0.00			
Category 2: Price- Responsive Programs	\$0.00			
Category 3: DR Provider/Aggregator Managed Programs	\$0.00			
Category 4: Emerging & Enabling Programs	\$0.00			
Category 5: Pilots	\$0.00			
Category 6: Evaluation, Measurement and Verification	\$0.00			
Category 7: Marketing, Education and Outreach	\$0.00			
Category 8: DR System Support Activities	\$0.00			
Category 9: Integrated Programs and Activities	\$0.00			
Category 10: Special	\$550,000	Demand Response Auction Mechanism Pilot Phase 2 to Permanent Load Shifting for DREBA 2015-2016	1/31/2017	Prior fund shift from PLS to DRAM2 in DREBA 2015-16 underestimated funds needed for PLS therefore shifting back \$550,000 to the original program.
Projects	\$1,550,000	Auto DR to Demand Response Auction Mechanism Pilot Phase 2 for DREBA 2015-2016	1/31/2017	The transferred funds support Demand Response Auction Mechanism pilot for DREBA 2015-16 pursuant to Ordering Paragraph 5 of Decision 14-12-024.
Total	\$2,100,000			