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

November 21, 2017

PUBLIC



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

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

		January			February			March			April			May			June		
Programs	Service Accounts ³	Ex Ante Estimated MW ¹	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ¹	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ¹	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ¹	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ¹	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ¹	Ex Post Estimated MW ²	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	0	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 [™] - Commercial	3,928	0	1	3,843	0	1	3,805	0	1	3,764	0	1	3,737	0	1	3,687	0	1	N/A
SmartAC [™] - Residential	150,718		59	150,218		59	149,480		58	148,670	0	58	148,843	52		147,304		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	151,339	371	390	
Price Response																			
AMP - Day Of	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	596,440
CBP - Day Of	0	0	0	0	0	0	0	0	0	0	0	0	878	20	24	907	22	25	550,440
DBP	N/A	N/A	N/A	N/A															
PDP (200 kW or above)	2,335	11	34	2,286	11	33	2,288	13	33	2,466	30	35	2,329	31	33	2,270	33	33	5,571
PDP (above 20 kW & below 200 kW)	52,286	7	38	51,511	6	37	51,169	6	37	47,768	15	34	46,994	16	34	46,450	19	33	91,737
PDP (20 kW or below)	180,212	7	13	179,336	7	13	178,107	5	12	168,148	8	12	163,972	10	11	161,375	11	11	316,835
SmartRate [™] - 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 ^{3,4}	Ex Ante Estimated MW ^{1,5}	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ^{1,5}	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ^{1,5}	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ^{1,5}	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ^{1,5}	Ex Post Estimated MW ²	Service Accounts ³	Ex Ante Estimated MW ^{1,5}	Ex Post Estimated MW ²	Eligible Accounts as of Jan 1, 2017
Interruptible/Reliability																			
BIP - Day of	352	309	353	352	320	353	359	312	360	379	323	380							10,935
OBMC	18	0	0	18	0	0	18	3 0	0	18	0	0							N/A
SLRP	0	0	0	0	0	0	C) 0	0	0	0	0							N/A
SmartAC [™] - Commercial	0	0	0	0	0	0	C) 0	0	0	0	0							N/A
SmartAC [™] - Residential	124,626			123,117	68	48	121,633			120,796									N/A
Sub-Total Interruptible	124,996	382	402	123,487	388	401	122,010) 375	408	121,193	353	427							
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	20	2	3	20) 4	3	17	4	3							596,440
CBP - Day Of	908			911	19		911			859									
DBP	N/A					N/A				N/A			N/A	N/A	. N/A	N/A	N/A	N/A	
PDP (200 kW or above)	2,154	31		2,069	31	30				2,040									5,571
PDP (above 20 kW & below 200 kW)	45,542			44,780		32	44,348			43,863		32							91,737
PDP (20 kW or below)	159,842			159,051	11	11	157,455			156,283	8	11							316,835
SmartRate [™] - Residential	120,295			120,870	22					121,851	9	24							N/A
Sub-Total Price Response	328,758	105	-	327,701	103	-	325,938			324,913									
Total All Programs	453,754	486	528	451,188	491	526	447,948	3 477	532	446,106	433	549							

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, and cost effectiveness analysis or in developing regulatory filings.

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

¹ Ex Ante Estimated MW = In compliance with Decision 08-04-050, the values presented herein are based on the April 3, 2017 Load Impact Report for Demand Response. The values reported are calculated by using the monthly ex ante average load impact per customer multiplied by the number of currently enrolled service accounts for the reporting month, where the Ex Ante average load impact is the average hourly load impact for an event that would occur from 1 - 6 pm on the system peak day of the month. The Ex Ante Estimated MW value for the aggregator program, e.g., CBP are the monthly nominated MW during the event season May through October and Zero non-event season months November through April.

² Ex Post Estimated MW = In compliance with Decision 08-04-050, the values presented herein are based on the April 3, 2017 Load Impact Report for Demand Response. The values reported are calculated by using the annual Ex Post average load impact per customer multiplied by the number of currently enrolled service accounts for the reporting month, where the ex post load impact per customer is the average load impact per customer for those customers that may have participated in an event(s) during all actual event hours in the preceding year when or if events occurred. New programs report "n/a", as there were no prior events.

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

⁴ 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). ⁵ 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.

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

Program Eligibility and Ex Ante Average Load Impacts¹

Program Eligibility and EX Ante Averaç	ge _eaa				Average	Ex Ante Lo	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 ¹	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 PC&E circuit or dedicated substation that provides service to that customer is reduced to or below Maximum Load Levels (MLLs) for the entire duration of each and every RO operation.
SLRP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not Available	Bundled-service customers taking service under Schedules A-10, E-19 or E-20 & minimum average monthly demand of 100 kW. Customers must commit to minimum 15% of baseline usage, with a minimum load reduction of 100 kW.
SmartAC [™] - Commercial	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Not Available	Small and medium business customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment. Closed to new enrollment.
SmartAC [™] - Residential	N/A	N/A	N/A	N/A	0.35	0.56	0.58	0.55	0.52	0.25	N/A	N/A	Not Available	Residential customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment.
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. An SA may not be nominated to both the Day-Of and Day-Ahead option during a single program month. Customers that receive electric power from third parties (other than through direct access and Community Choice Aggregation) and customers billed for standby service are not eligible for Schedule E-CBP. Eligible customers include those receiving partial standby service or services pursuant to one or more of the Net Energy Metering Service schedules except NEMCCSF.
CBP - Day Of	N/A	N/A	N/A	N/A	22.21	22.21	22.21	22.21	22.21	22.21	N/A	N/A		A customer may participate in either the Day-Ahead or Day-Of option. A customer with multiple service agreements (SA) may nominate demand reductions from a single SA to either the Day-Of option or Day-Ahead option. An SA may not be nominated to both the Day-Of and Day-Ahead option during a single program month. Customers that receive electric power from third parties (other than through direct access andCommunity Choice Aggregation) and customers billed for standby service are not eligible for Schedule E-CBP. Eligible customers include those receiving partial standby service or services pursuant to one or more of the Net Energy Metering Service schedules except NEMCCSF.
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 [™] - Residential	0.04	0.04	0.03	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	0.04	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.

¹ 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 October 2017

Program Eligibility and Ex Post Average Load Impacts ¹

					Average E	Ex Post Loa	ad Impact I	W / Custo	mer					
Program	January	February	March	April	Мау	June	July	August	September	October	November	December	Eligible Accounts as of Jan 1, 2017 ¹	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 [™] - Commercial	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	Not Available	Small and medium business customers taking service under applicable rate schedules equipped with central or packaged DX air conditioning equipment. Closed to new enrollment.
SmartAC [™] - Residential	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	Not Available	equipped with central of packaged DX an 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		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	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.
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 October 2017

2017			anuary			F	ebruary			М	arch			Į.	April				May			J	une	
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 ^{1,2}	N/A	1.		1.2				1.2	N/A	1.2	N/A	1.2			N/A	1.2		1.2	N/A	1.2		1.2	N/A	
3P - 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	
BP - Day Of		0.		0.0		0.0		0.0		0.0	0.0			0.2		0.2		0.2	0.0	0.2		2.9	0.0	
BP	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	
DP		1.		1.6		1.6		1.6		1.7	0.0			1.7	0.0	1.7		1.7	0.0	1.7		1.7	0.0	
martRate™ - 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	
martAC [™] - 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	
martAC [™] - 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	
RAM 3		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	
otal		2.	0.0	2.8	3	2.8	0.0	2.8		2.9	0.0	2.9		3.1	0.0	3.1		3.1	0.0	3.1		5.9	0.0	
Interruptible/Reliability																								
IP - Day of		Ō.	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	
DBMC		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	
ILRP		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	
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	
otal Technology MWs		2.	3 0.0	2.8	3	2.8	0.0	2.8		2.9	0.0	2.9		3.1	0.0	3.1		3.1	0.0	3.1		5.9	0.0	
General Program																								
A (may also be enrolled in TI and AutoDR)	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			
otal TA MWs	0.0	N//	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	0.0	N/A	N/A	
					. 0.0	N/P	N/A	N/A	0.0	INA	N/A	N/A	0.0	N/A	N/A	N/A	0.0	N/A	N/A	N/A	0.0	IN/A	N/A	
2017		Auto DD	July				August			Sept	ember			Oc	tober			Nov	N/A			Dec	ember	
	TA Identified	Auto DR Verified	July TI Verified	Total Technology	TA Identified	Auto DR Verified	August TI Verified	Total Technology	TA Identified	Sept Auto DR Verified	ember TI Verified	Total Technology	TA Identified	Oc Auto DR Verified	ctober TI Verified	Total Technology	TA Identified	Nov Auto DR Verified	vember TI Verified	Total Technology	TA Identified	Dec Auto DR Verified	ember TI Verified	Total Technolog
Price Responsive			July	Total	ТА	Auto DR	August	Total	TA	Sept Auto DR	ember	Total	ТА	Oc Auto DR	ctober	Total	ТА	Nov Auto DR	vember	Total	ТА	Dec Auto DR	ember	Total
Price Responsive MP - Day Of ^{1,2}	Identified	Verified MWs 1.	July TI Verified MWs 2 N/A	Total Technology MWs 1.2	TA Identified MWs 2 N/A	Auto DR Verified MWs 1.2	TI Verified MWs	Total Technology MWs 1.2	TA Identified	Sept Auto DR Verified MWs 1.2	ember TI Verified MWs N/A	Total Technology MWs 1.2	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2	tober TI Verified MWs N/A	Total Technology MWs 1.2	TA Identified MWs N/A	Nov Auto DR Verified	vember TI Verified	Total Technology	TA Identified	Dec Auto DR Verified	ember TI Verified	Total Technolog MWs
Price Responsive MP - Day Of ^{1,2} BP - Day Ahead	Identified MWs	Verified MWs 1. 0.	July TI Verified MWs 2 N/A 0 0.0	Total Technology MWs 1.3	TA Identified MWs 2 N/A	Auto DR Verified MWs 1.2 0.0	TI Verified MWs N/A	Total Technology MWs 1.2 0.0	TA Identified MWs	Sept Auto DR Verified MWs 1.2 0.0	ember TI Verified <u>MWs</u> N/A 0.0	Total Technology MWs 1.2 0.0	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0	TI Verified MWs N/A 0.0	Total Technology MWs 1.2 0.0	TA Identified MWs N/A	Nov Auto DR Verified	vember TI Verified MWs	Total Technology MWs	TA Identified MWs	Dec Auto DR Verified	ember TI Verified MWs	Total Technolog MWs
Price Responsive MP - Day Of ^{1,2} BP - Day Ahead	Identified MWs N/A	Verified MWs 1. 0. 2.	July TI Verified MWs 2 N/A 0 0.0 0 0.0	Total Technology MWs 1.2 0.0	TA Identified MWs 2 N/A	Auto DR Verified MWs 1.2 0.0 3.5	TI Verified MWs N/A 0 0.0 0.0	Total Technology MWs 1.2 0.0 3.5	TA Identified MWs N/A	Sep Auto DR Verified MWs 1.2 0.0 3.5	ember TI Verified MWs N/A 0.0 0.0	Total Technology MWs 1.2 0.0 3.5	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.7	TI Verified MWs N/A 0.0 0.0	Total Technology MWs 1.2 0.0 3.7	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MP - Day Of ¹² BP - Day Ahead BP - Day Of BP	Identified MWs	Verified MWs 1. 0. 2. N/	July TI Verified MWs 2 N/A 0 0.0 0 0.0 0 0.0	Total Technology MWs 1.1 0.0 0.0 2.5 N/A	TA Identified MWs 2 N/A 0 0	Auto DR Verified MWs 1.2 0.0 3.5 N/A	TI Verified MWs N/A 0 0.0 0 0.0 0 0.0	Total Technology MWs 1.2 0.0 3.5 N/A	TA Identified MWs	Sepi Auto DR Verified MWs 1.2 0.0 3.5 N/A	ember TI Verified MWs N/A 0.0 0.0 N/A	Total Technology MWs 1.2 0.0 3.5 N/A	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.7 N/A	TI Verified MWs N/A 0.0 0.0 N/A	Total Technology MWs 1.2 0.0 3.7 N/A	TA Identified MWs N/A	Nov Auto DR Verified	vember TI Verified MWs	Total Technology MWs	TA Identified MWs N/A	Dec Auto DR Verified	ember TI Verified MWs	Total Technolog
Price Responsive MP - Day Of ¹² BP - Day Of BP - Day Of BP DP	Identified MWs N/A	Verified <u>MWs</u> 1. 0. 2. <u>N/</u> 2.	July TI Verified MWs 2 N/A 0 0.0 3 0.0 4 N/A 0.0	Total Technology MWs 1.1 0.0 2.5 N/A N/A 2.1	TA Identified MWs 2 N/A 0	Auto DR Verified MWs 1.2 0.0 3.5 N/4 2.1	TI Verified MWs N/A 0	Total Technology MWs 1.2 0.0 3.5 N/A 2.1	TA Identified MWs N/A	Sept Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4	ember TI Verified MWs N/A 0.0 0.0 0.0 N/A 0.0	Total Technology MWs 1.2 0.0 3.5 N/A 2.4	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.7 N/A 4.7	TI Verified MWs N/A 0.0 0.0 N/A 0.0	Total Technology <u>MWs</u> 1.2 0.0 0.3.7 N/A 4.7	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MP - Day Of ¹² BP - Day Ahead BP - Day Of BP BP DP matrixet ^w - Residential	Identified MWs N/A	Verified MWs 1. 0. 2. N// 2. 0.	July TI Verified MWs 2 N/A 0 0.0 9 0.0 9 0.0 0 0.0 1 0.0 0 0.0	Total Technology MWs 1.2 0.0 2.5 N/A 2.1 0.0	TA Identified MWs N/A	Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.1 0.0	Nugust TI Verified MWs 2 N/A 0 0 0 0 0 0 0 0 0	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0	TA Identified MWs N/A	Sep Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 0.0	ember TI Verified MWs N/A 0.0 0.0 N/A 0.0 0.0	Total Technology MWs 1.2 0.0 3.5 N/A 2.4 0.0	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.7 N/A 4.7 0.0	TI Verified MWs N/A 0.0 0.0 N/A 0.0 0.0 0.0	Total Technology MWs 1.2 0.0 3.7 N/A 4.7 0.0	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MP - Day Of ^{1,2} BP - Day Ahead BP - Day Of BP - Day Of BP martRate [™] - Residential martAC [™] - Commercial	Identified MWs N/A	Verified MWs 1. 0. 2. N/A 2. 0. 0. 0.	July TI Verified MWs 2 N/A 0 0.0 0 0.0 0 N/A 1 0.0 0 0.0 0 0.0	Total Technology MWs 1.2 0.0 2.5 N/A 2.1 0.0 0.0	TA Identified MWs N/A	Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0	August TI Verified MWs 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0	TA Identified MWs N/A	Sept Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0	ember TI Verified MWs N/A 0.0 N/A 0.0 0.0 0.0 0.0	Total Technology MWs 1.2 0.0 3.5 N/A 2.4 0.0 0 0.0	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0	TI Verified <u>MWs</u> N/A 0.0 0.0 N/A 0.0 0.0 0.0 0.0	Total Technology MWs 1.2 0.0 3.7 N/A 4.7 0.0 0.0	TA Identified MWs 2 N/A 0 2 N/A 0	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MIP - Day Of ^{1,2} BP - Day Of BP DP DP martRat [™] - Residential imartAC [™] - Commercial imartAC [™] - Residential	Identified MWs N/A	Verified <u>MWs</u> 1. 0. 2. N// 2. 0. 0. 0.	July TI Verified MWs 2 N/A 2 0.0 3 0.0 4 N/A 1 0.0 0 0.0 0 0.0 0 0.0 0 0.0	Total Technology MWs 1.2 0.0 2.5 0.0 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0	August TI Verified MWs N/A 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Total Technology MWs 1.2 0.0 3.5 NA 2.1 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Sep Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0	ember TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 3.5 NA 2.4 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Cc Auto DR Verified MWs 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0	TI Verified <u>MWs</u> N/A 0.0 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0	Total Technology MWs 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MIP - Day Of ^{1,2} BP - Day Of BP DP DP martRat [™] - Residential imartAC [™] - Commercial imartAC [™] - Residential	Identified MWs N/A	Verified <u>MWs</u> 1. 0. 2. N// 2. 0. 0. 0. 0. 0. 0.	July TI Verified MWs 2 N/A 2 N/A 2 0.0 3 0.0 4 N/A 4 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	Total Technology MWs 1.2 0.0 2.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Auto DR Verified MWs 1.2 0.0 0.3 5 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 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Sep Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0 0.0 0.0	ember TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.2	TI Verified MWs N/A 0.0 N/A 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0	TA Identified WWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MIP - Day Of ¹² BP - Day Ahead BP - Day Of BP - Day Of BP - Day Of martAct [™] - Residential martAct [™] - Commercial martAct [™] - Residential RRAM ³ otal	Identified MWs N/A	Verified <u>MWs</u> 1. 0. 2. N// 2. 0. 0. 0.	July TI Verified MWs 2 N/A 2 N/A 2 0.0 3 0.0 4 N/A 4 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	Total Technology MWs 1.2 0.0 2.5 0.0 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.1 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 1.2 0.0 3.5 NA 2.1 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Sep Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0	ember TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Cc Auto DR Verified MWs 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0	TI Verified MWs N/A 0.0 N/A 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0	TA Identified WWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MP - Day Of ¹² BP - Day Of ¹² BP - Day Of BP - Day Of BP DP martAc ^{Tw} - Commercial martAC ^{Tw} - Residential RAM ³ otal Interruptible/Reliability	Identified MWs N/A	Verified MWs 1. 0. 2. N// 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	July TI Verified MWs 2 N/A 2 N/A 2 0.0 3 0.0 4 N/A 4 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0	Total Technology MWs 1.1. 0.0. 2.1 0.0. 0.0. 0.0. 0.0. 0.0.	TA Identified MWs N/A	Auto DR Verified MWs 1.2 0.0 3.5 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 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	Sep Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0 0.0 0.0	ember TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MW3 2.00 3.5 NVA 2.4 0.0 0.0 0.0 0.0 0.2 7.3	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.7 N/A 4.7 0.0 0 0.0 0.0 0.0 0.2 9.7	Stober TI Verified MWs N/A 0.0 0.0 N/A 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Technology <u>MWs</u> 1.2 0.0 3.7 N/A 4.7 0.0 0 0.0 0.0 0.0 0.2 9.7	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MP - Day Of ^{1,2} BP - Day Ahead BP - Day Of BP - Day Of BP - Day Of DP martRate ^{TW} - Residential martAC ^{TW} - Residential martAC ^{TW} - Residential RAM ³ otal Interruptible/Reliability IP - Day of	Identified MWs N/A	Verified MWs 1. 0. 2. N// 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	July TI Verified MWS 2 N/A 2 0.0 3 0.0 3 0.0 3 0.0 0 0	Total Technology MWs 1.2 0.0 2.5 N// 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	Auto DR Verified MWS 1.2. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0.	Nugust TI Verified MWs N/A 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	Sep7 Auto DR Verified MWs 1.2 0.0 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	ember TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0 0.0 2 7.3 	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 0.3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TI Verified <u>MWs</u> 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 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.2 9.7	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MP - Day Of ^{1,2} BP - Day Of ^{1,2} BP - Day Of BP Commercial martAC ^{TW} - Residential RAM ³ otal Interruptible/Reliability IP - Day of BMC	Identified MWs N/A	Verified MWs 1. 0. 2. N// 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	July TI Verified MWs 2 N/A 2 0.0.0 9 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	Total Technology MWs 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWS N/A	Auto DR Verified MWs 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	August TI Verified MWs N/A 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	September 2015 Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0 7.3 7.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	ember 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 0.0 3.55 N/A 2.4 0.0 0.0 0.0 0.0 2 7.3 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.77 N/A 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Ti Verified <u>MWs</u> 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 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.2 9.7 0.0 0.0 0.0 0.0	TA Identified MWs N/A N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MP - Day Of ¹² BP - Day Of ¹² BP - Day Of BP - Day Of BP DP martAc ^{Tw} - Commercial martAC ^{Tw} - Residential IRAM ³ otal Interruptible/Reliability IP - Day of BMC	Identified MWs N/A	Verified MWs 1. 0. 2. N// 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	July TI Verified MWS 2 N/A 2 0.0 3 0.0 3 0.0 3 0.0 0 0	Total Technology MWs 1.2 0.0 2.5 N// 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWS N/A	Auto DR Verified MWs 1.2. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0.	N/A 1 Verified MWs 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 0.0 0.0 0.0	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	Sep7 Auto DR Verified MWs 1.2 0.0 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	ember 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 3.55 N/A 2.4 0.0 0.0 0.0 0.0 2 7.3 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 0.3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TI Verified <u>MWs</u> N/A 0.0 0.0 N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Total 1.2 0.0 3.7 NA 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MP - Day Of ^{1,2} BP - Day Afted BP - Day Of BP - Day Of BP DP martRat [™] - Residential martRat [™] - Residential martRat [™] - Residential RatRat [™] - Residential Therruptible/Reliability IP - Day of BMC LRP	Identified MWs N/A	Verified MWs 1. 0. 2. N// 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	July TI Verified MWS 2 N/A/ 2 0.0.0 0 0.0.0	Total Technology MWs 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs 2 N/A 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Auto DR Verified MWs 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	N/A 1 Verified MWs 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 0.0 0.0 0.0	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	September 2015 Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 0.0 0.0 0.0 0.0 7.3 7.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	ember 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 1.2 0.0 3.5 NVA 2.4 4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.77 N/A 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Ti Verified <u>MWs</u> 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 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.2 9.7 0.0 0.0 0.0 0.0	TA Identified MWs N/A N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolo
Price Responsive MP - Day Of ^{1,2} BP - Day Ahead BP - Day Ahead BP DP martRate TM - Residential martAC TM - Residential martAC TM - Residential martAC TM - Residential RAM ³ otal Interruptible/Reliability IP - Day of BMC LRP otal Technology MWs	Identified MWs N/A	Verified <u>MWs</u> 1. 0. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	July TI Verified MWs 2 N/A 9 0.0.0 9 0.0.0 0 0.0.0	Total Technology MWs 1.3 0.0 2.5 N// 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs 2 N/A 3 3 4 N/A 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Auto DR Verified MWs 1.2. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0.	Nugust TI Verified MWs 0.0	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	September Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 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	ember TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 0.3.5 NIA 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	Oc Auto DR Verified MWs 1.2 0.0 3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	N/A N/A 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	Total Total 1.2 0.0 3.7 NA 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolo MWs
Price Responsive MP - Day Of ¹² BP - Day Of ¹² BP - Day Aheed BP - Day Of BP - Day Of BP martAc ^{TW} - Commercial martAc ^{TW} - Residential RAM ³ otal Interruptible/Reliability IP - Day of BMC LRP otal General Program	Identified MWs N/A A A A A A A A A A A A A A A A A A A	Verified <u>MWs</u> 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	July TI Verified MWs 2 N/A 9 0.0.0 9 0.0.0 0 0.0.0	Total Technology MWs 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs D D D D D D D D D D D	Auto DR Verified MWs 1.2. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0.	Nugust TI Verified MWs 0.0	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	September Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 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	ember TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 0.3.5 NIA 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	Oc Auto DR Verfied MWs 0.0 0.3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	N/A 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 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Technology MWs 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive MMP - Day Of ^{1,2} JBP - Day Anead JBP - Day Anead JBP - Day Of JBP TOP martAct™ - Commercial martAct™ - Residential JRAM ³ Total Interruptible/Reliability JIP - Day of JBMC JLRP Total General Program	Identified MWs N/A	Verified <u>MWs</u> 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	July TI Verified MWs 2 N/A 9 0.0.0 9 0.0.0 0 0.0.0	Total Technology MWs 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs 2 N/A 3 3 4 N/A 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Auto DR Verified MWs 1.2. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0.	Nugust TI Verified MWs 0.0	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	September Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 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	ember TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 0.3.5 NIA 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	Oc Auto DR Verfied MWs 0.0 0.3.7 N/A 4.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	N/A 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 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Technology MWs 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog MWs
Price Responsive AMP - Day Of ^{1,2} CBP - Day Anead CBP - Day Anead CBP - Day Of DBP POP SmartRate™ - Residential SmartAC™ - Residential SmartAC™ - Residential Commercial Total Interruptible/Reliability INF - Day of DBMC SLRP Total Total Total Technology MWs	Identified MWs N/A A A A A A A A A A A A A A A A A A A	Verified <u>MWs</u> 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	July TI Verified MWs 2 N/A 9 0.0.0 9 0.0.0 0 0.0.0	Total Technology MWs 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs D D D D D D D D D D D	Auto DR Verified MWs 3.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Nugust TI Verified MWs 0.0	Total Technology MWs 1.2 0.0 3.5 N/A 2.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	September Auto DR Verified MWs 1.2 0.0 3.5 N/A 2.4 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	ember TI Verified MWs N/A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Total Technology MWs 1.2 0.0 0.3.5 NIA 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	TA Identified MWs N/A	Oc Auto DR Verified MWs 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	N/A 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 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Technology MWs 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	TA Identified MWs N/A	Nov Auto DR Verified MWs	vember TI Verified MWs N/A	Total Technology MWs N/A	TA Identified MWs N/A	Dec Auto DR Verified MWs	ember TI Verified MWs N/A	Total Technolog 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.

¹ ADR project payments carry over to the following year. 60% is paid upfront on completion of enrollment and the remaining 40% later on performance during an event season.

² 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.
 ³ As approved in the disposition letter issued September 24, 2015 to advice letter 4618-E-A, customers participating in DRAM are eligible to receive ADR incentives. This was added to the ILP September 2017 data. The values for January to August were changed from N/A to zero MW in the October ILP.

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

2017 Program Expenditures¹

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 Funding ⁵	Fund shift Adjustments	Percent Funding
Category 1: Reliability Programs																		
Base Interruptible Program (BIP)	\$0	\$15,550	\$29,271	\$28,752	\$20,167	\$22,797	\$18,546	\$22,350	\$21,246	\$22,772	\$21,171	\$0	\$0	\$222,622	\$222,622	\$254,670	\$14,000	87.4%
Optional Bidding Mandatory Curtailment /																	(\$14,000)	17.2%
Scheduled Load Reduction (OBMC / SLRP)	\$0	\$178	\$777	\$1,463	\$1,486	\$534	\$672	\$442	\$535	\$517	\$572	\$0	\$0	\$7,176	\$7,176	\$41,833		
Budget Category 1 Total	\$0	\$15,729	\$30,048	\$30,214	\$21,652	\$23,331	\$19,218	\$22,792	\$21,780	\$23,289	\$21,744	\$0	\$0	\$229,798	\$229,798	\$296,503	\$0	77.5%
Category 2: Price-Responsive Programs																		1 1
Capacity Bidding Program (CBP)	\$0	\$16,546	\$27,037	\$30,498	\$24,904	\$25,567	\$27,074	\$31,122	\$29,430	\$29,036	\$28,397	\$0	\$0	\$269,612	\$269,612	\$8,633,975		3.1%
SmartAC™	\$0	\$169,579	\$242,264	\$338,478	\$232,767	\$596,061	\$517,194	\$511,804	\$626,233	\$335,737	\$428,215	\$0	\$0	\$3,998,330	\$3,998,330	\$6,303,512		63.4%
Budget Category 2 Total	\$0	\$186,125	\$269,301	\$368,976	\$257,671	\$621,629	\$544,268	\$542,926	\$655,662	\$364,773	\$456,612	\$0	\$0	\$4,267,942	\$4,267,942	\$14,937,486	\$0	28.6%
Category 3: DR Provider/Aggregator Managed Programs																		1 1
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																		1 1
Auto DR	\$0	\$19,971	\$175,175	\$92,591	\$120,413	\$267,444	\$181,132	\$137,441	\$153,471	\$188,489	\$138,713	\$0	\$0	\$1,474,842	\$1,474,842	\$3,619,168	\$40,000	40.3%
DR Emerging Technology ⁶	\$0	\$58,626	\$38,552	\$45,433	\$56,980	\$88,207	\$69,709	\$40,349	\$104,182	(\$22,214)	\$44,258	\$0	\$0	\$524,082	\$524,082	\$1,390,051	(\$40,000)	38.8%
Budget Category 4 Total	\$0	\$78,597	\$213,727	\$138,024	\$177,393	\$355,651	\$250,841	\$177,790	\$257,653	\$166,275	\$182,971	\$0	\$0	\$1,998,923	\$1,998,923	\$5,009,218	\$0	39.9%
Category 5: Pilots																		1 1
Supply Side Pilot	\$0	\$26,599	\$27,444	\$51,591	\$52,106	\$38,929	\$40,486	\$46,024	\$50,603	\$45,510	\$41,046	\$0	\$0	\$420,338	\$420,338	\$2,089,887		20.1%
Excess Supply	\$0	\$14,005	\$10,910	\$48,330	\$13,973	\$17,799	\$15,076	\$23,738	\$27,305	\$22,036	\$12,621	\$0	\$0	\$205,794	\$205,794	\$596,915		34.5%
Budget Category 5 Total	\$0	\$40,604	\$38,354	\$99,921	\$66,079	\$56,728	\$55,562	\$69,762	\$77,908	\$67,546	\$53,667	\$0	\$0	\$626,132	\$626,132	\$2,686,802	\$0	23.3%
Category 6: Evaluation, Measurement and Verification																		1 1
DRMEC	\$0	\$28,552	\$54,449	\$44,361	\$71,982	\$122,971	\$57,110	\$74,172	\$47,289	\$106,247	\$116,760	\$0	\$0	\$723,893	\$723,893	\$2,854,566		25.4%
DR Research		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$394,824		0.0%
Budget Category 6 Total	\$0	\$28,552	\$54,449	\$44,361	\$71,982	\$122,971	\$57,110	\$74,172	\$47,289	\$106,247	\$116,760	\$0	\$0	\$723,893	\$723,893	\$3,249,390	\$0	22.3%
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	\$221,136	\$86,122	\$167,497	\$0	\$0	\$1,852,495	\$1,852,495	\$2,979,351		62.2%
Education and Training	\$0	\$5,054	\$10,767	\$14,585	\$9,091	\$9,381	\$10,968	\$6,948	\$5,811	\$5,049	\$2,460	\$0	\$0	\$80,114	\$80,114	\$233,344		34.3%
Budget Category 7 Total	\$0	\$64,039	\$67,760	\$133,338	\$123,188	\$362,273	\$494,333	\$199,601	\$226,947	\$91,171	\$169,957	\$0	\$0	\$1,932,609	\$1,932,609	\$3,212,695	\$0	60.2%
Category 8: DR System Support Activities																		1 1
InterAct / DR Forecasting Tool	\$0	\$294,359	\$542,627	\$692,527	\$564,942	\$462,602	\$451,140	\$359,925	\$410,032	\$605,891	\$401,174	\$0	\$0	\$4,785,219	\$4,785,219	\$6,177,126		77.5%
DR Enrollment & Support	\$0	\$375,895	\$223,241	\$311,558	\$325,759	\$341,922	\$325,217	\$172,399	\$209,700	\$468,938	\$295,781	\$0	\$0	\$3,050,410	\$3,050,410	\$5,409,732		56.4%
Notifications	\$0	\$186,803	\$358,492	\$377,421	\$390,126	\$257,856	\$390,825	\$135,379	\$181,387	\$377,545	\$174,101	\$0	\$0	\$2,829,934	\$2,829,934	\$4,373,894		64.7%
DR Integration Policy & Planning	\$0	\$28,308	\$94,019	\$65,600	\$52,802	\$59,949	\$87,965	\$66,160	\$78,114	\$90,378	\$87,744	\$0	\$0	\$711,039	\$711,039	\$1,568,932		45.3%
Budget Category 8 Total	\$0	\$885,365	\$1,218,379	\$1,447,106	\$1,333,628	\$1,122,329	\$1,255,146	\$733,864	\$879,233	\$1,542,752	\$958,799	\$0	\$0	\$11,376,603	\$11,376,603	\$17,529,685	\$0	64.9%
Category 9: Integrated Programs and Activities																		1 1
(Including Technical Assistance) ²																		1 1
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 3	\$44,107	\$20,849	\$32,728	\$34,266	\$18,939	\$19,745	\$26,434	\$4,835	\$10,258	\$8,886	\$11,303	\$0	\$0	\$188,242	\$232,349	\$12,000,000		1.9%
Rule 24 O&M	\$0	\$28,575	\$76,039	\$69,565	\$76,694	\$97,031	\$124,622	\$64,574	\$27,504	\$15,997	\$35,384	\$0	\$0	\$615,983	\$615,983	\$648,395		95.0%
Budget Category 10 Total	\$44,107	\$49,425	\$108,767	\$103,830	\$95,633	\$116,776	\$151,056	\$69,409	\$37,762	\$24,883	\$46,687	\$0	\$0	\$804,226	\$848,333	\$12,648,395	\$0	6.7%
Recovery of DR-related capital costs prior to 2009 (for interval metering as authorized in D.06-03-024/D.06-11-049); and, additionally, for the HAN integration project (as authorized in D.12-04-045).	\$0	\$198,466	\$204,301	\$207,863	\$202,534	\$202,129	\$200,364	\$200,379	\$199,361	\$196,983	\$198,884	\$0	\$0	\$2,011,265	\$2,011,265	\$0	\$0	0.0%
Total Incremental Cost 4	\$44,107	\$1,554,251	\$2,205,085	\$2,573,635	\$2,349,761	\$2,983,817	\$3,027,898	\$2,090,696	\$2,403,596	\$2,583,919	\$2,206,082	\$0	\$0	\$23,978,741	\$24,022,848	\$62,864,175	\$0	38.2%
Technical Assistance & Technology Incentives (TA&TI) Identified as of October 2017	\$0																	

¹ 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.

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

³ 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.

⁴ Total Incremental Cost excludes incentives. Incentives are reported on Table I-5.

⁵ 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.

⁶ September DR Emerging Technology credit is due to an over-accrual in August - the reversal of the accrual in September resulted in a negative amount.

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

Cost Item ¹	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)	\$3,495	(\$3,477)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$18
Optional Bidding Mandatory Curtailment /													
Scheduled Load Reduction (OBMC / SLRP)	\$66	(\$62)	\$0	\$0	\$0	\$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	\$0	\$0	\$0			\$1,229
Capacity Bidding Program (CBP)	\$2,186	(\$539)	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$1,647
Peak Choice	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$0
SmartAC [™]	\$21,516	(\$19,232)	\$6,080	\$37,433	(\$24,834)	(\$0)	\$0	\$0	\$0	\$0			\$20,964
Critical Peak Pricing (CPP)	\$0	\$0	\$0	\$0	\$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	\$0	\$0	\$0			\$1.658
Budget Category 3 Total	\$2,370	(\$712)	(\$0)	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0	\$1,658
	φ2,370	(4112)	(40)	ΨU	ΨŪ	ΨU	ΨŪ	φU	ΨU	φU	4 0	φU	φ1,030
Category 4: Emerging & Enabling Programs					000 0 15	A00	A OC C OT			• /= ···-			
Auto DR	\$77,339	\$159,378	\$80,870	\$104,847	\$26,345	\$33,575	\$33,600	\$26,515	\$15,442	\$15,107			\$573,018
DR Emerging Technology	\$20,670	\$47,363	(\$55,117)	\$32,882	\$3,125	\$12,537	\$420	\$299	\$0	\$0	A -		\$62,179
Budget Category 4 Total	\$98,008	\$206,741	\$25,753	\$137,729	\$29,470	\$46,113	\$34,020	\$26,814	\$15,442	\$15,107	\$0	\$0	\$635,196
Category 5: Pilots													
IRR Phase 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$0
T&D DR	(\$965)	(\$211)	(\$1,143)	(\$352)	(\$19,707)	\$0	\$0	\$0	\$0	\$0			(\$22,378)
Plug-in Hybrid EV/EV (incl. HAN-EV)	\$0	\$19,505	\$0	(\$405)	\$0	\$0	\$0	\$0	\$0	\$0			\$19,100
Supply Side Pilot	\$2,401	\$892	(\$3,034)	(\$100)	\$0	\$0	\$0	\$0	\$0	\$0			\$158
Excess Supply	\$500	(\$469)	(\$0)	(\$600)	\$0	\$0	\$0	\$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	\$21,875	\$53,176	\$7,020			\$1,012,763
DR Research Studies	\$5,000	\$4,876	\$42,092	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$0	\$8,000			\$99,968
Budget Category 6 Total	\$214,087	\$150,396	\$333,118	\$193,053	\$52,117	\$49,506	\$22,383	\$29,875	\$53,176	\$15,020	\$0	\$0	
Category 7: Marketing, Education and Outreach	+=,+=-		<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	+,	* * - ,···	+,	+,	+,	+,	<i>+·•,•=•</i>		++	<i></i>
DR Core Marketing and Outreach	(\$627)	(\$635)	(\$2,419)	(\$351)	\$0	\$0	\$0	\$0	\$0	\$0			(\$4,032)
SmartAC [™] ME&O	(\$627) \$768			(\$351) \$96	\$0 \$0	\$0 \$342	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			
	\$768 \$4,213	(\$11,568)	(\$1,449)					\$0 \$0	\$0 \$0	\$0 \$0			(\$11,810) \$996
Education and Training	\$4,213 \$4,355	(\$1,008)	(\$2,161)	(\$48) (\$304)	\$0 \$0	\$0 \$342	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	¢0.	
Budget Category 7 Total	\$4,300	(\$13,211)	(\$6,028)	(\$304)	\$U	\$342	\$U	\$U	\$U	\$U	\$U	\$0	(\$14,846)
Category 8: DR System Support Activities													
InterAct / DR Forecasting Tool	\$100,018	\$50,906	(\$131,685)	\$56	(\$56)	\$0	\$0	\$0	\$0	\$0			\$19,240
DR Enrollment & Support	\$59,204	(\$244,076)	\$8,186	(\$9,419)	(\$7,911)	\$28	\$0	\$132	\$322	\$0			(\$193,533)
Notifications	\$8,261	(\$6,314)	(\$1)	(\$317)	\$0	\$0	\$0	\$0	\$0	\$0			\$1,630
DR Integration Policy & Planning	\$49,655	(\$34,056)	(\$15,346)	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$253
Budget Category 8 Total	\$217,138	(\$233,540)	(\$138,846)	(\$9,679)	(\$7,967)	\$28	\$0	\$132	\$322	\$0	\$0	\$0	(\$172,411)
Category 9: Integrated Programs and Activities													
(Including Technical Assistance)													
Technology Incentives - IDSM	\$9,361	(\$2,544)	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0			\$6,817
PEAK	\$0	(\$2,344) \$0	(\$0) \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			\$0,017
Integrated Marketing & Outreach	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			\$0 \$0
Integrated Education & Training	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			\$0 \$0
Integrated Sales Training	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			\$0 \$0
Integrated Energy Audits	(\$8,431)	(\$683)	\$0 (\$0)	\$0 \$0	(\$0)	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			(\$9,114)
Integrated Emerging Technology	(\$8,431)	(\$003) \$0	(\$0) \$0	\$0 \$0	(\$0) \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			(\$9,114) \$0
Budget Category 9 Total	\$930	(\$3.227)	<u>پو</u> (\$0)	\$0 \$0	(\$0)	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0	(\$2,298)
	\$ 3 30	(43,221)	(90)	φU	(4 0)	φU	φŪ	φU	φU	ψU	φU	ψU	(\$2,290)
Category 10: Special Projects Demand Response Auction Mechanism Pilot Phase 1	\$440	(\$440)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			(\$0)
Demand Response Auction Mechanism Pilot Phase 1 Demand Response Auction Mechanism Pilot Phase 2	\$9,933	(\$440) \$14,062	ەں \$21,712	ەر \$13.943	\$0 \$29.552	\$0 \$26.545	ەن \$32.909	\$0 \$35,117	ەن \$20,841	ەن \$21.673			(\$0) \$226,287
DR-HAN Integration (excl. HAN-EV)	\$0	\$0	φ21,712 \$0	\$0 \$0	\$0	\$20,545 \$0	\$02,303 \$0	\$0,117	\$20,041 \$0	\$21,075 \$0			\$0
Permanent Load Shifting	\$0 \$15.369	\$29,888	\$0 \$51.784	\$33.098	\$25.248	\$22,966	\$0 \$15.194	\$9.981	\$0 \$17.098	\$14,725			\$235.352
Budget Category 10 Total	\$25,743	\$43,510	\$73,496	\$47,041	\$54,800	\$49,511	\$48,104	\$45,098	\$37,939	\$36,398	\$0	\$0	\$461,639
	¥20,140	÷.0,010	÷. 9,400	÷.,,,	<i>40 1,000</i>	÷.5,011	÷.5,104	++0,000	\$51,003	\$30,000		ψŪ	ψ - το1,000
Total Incremental Cost	\$600,254	\$139,369	\$289,394	\$403,616	\$83,878	\$145,501	\$104,506	\$101,920	\$106,879	\$66,524	\$0	\$0	\$2,041,842

Program Category	Program Name	Month	Zones ¹	Event No. (by Program Type)	Event Date	Program Type	Trigger		Event Start Time (PDT)	Event End Time (PDT)	Program Tolled Hours	Load Reduction MW (Max Hourly) ^{2,3}
Category 1:	Reliability Programs											
	Base Interruptible Program	MAY	System	1	5/3/17	Day Of	CAISO Stage 1 Emergency	331	8:00 PM	9:25 PM	1.42	216.2
	Base Interruptible Program	JULY	System	2	7/11/17	Day Of	Retest	76	6:00 PM	8:00 PM	2	104.6
	Optional Bidding Mandatory 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
ategory 2:	Price-Responsive Programs											
	Demand Bidding Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Capacity Bidding Program ³		North of Point 15, Stockton, Kern, ZP26, Humboldt, North Coast, East Bay (Bay Area), South Bay (Bay Area), Peninsula (Bay Area), Central Coast	1	5/22/17	Day Ahead	Heat rate	12	5:00 PM	7:00 PM	2	REDACTED
	Capacity Bidding Program ³	MAY	System	2	5/23/17	Day Ahead	Heat rate	17	3:00 PM	7:00 PM	4	REDACTED
	Capacity Bidding Program 3,4	JUNE	System	3	6/19/17	Day Ahead	Heat rate and Price	22	3:00 PM	7:00 PM	4	REDACTED
	Capacity Bidding Program ³	JUNE	System	4	6/20/17	Day Ahead	Heat rate and Price	22	3:00 PM	7:00 PM	4	REDACTED
	Capacity Bidding Program ³	JUNE	System	5	6/22/17	Day Ahead	Heat rate and Price	22	3:00 PM	7:00 PM	4	REDACTED
	Capacity Bidding Program ³	JUNE	North Coast, Stockton	6	6/23/17	Day Ahead	Heat rate and Price	1	4:00 PM	7:00 PM	3	REDACTED
	Capacity Bidding Program ³	JULY	System	7	7/7/17	Day Ahead	Heat rate and Price	17	4:00 PM	7:00 PM	3	REDACTED
	Capacity Bidding Program ³	JULY	System	8	7/27/17	Day Ahead	Heat rate and Price	17	6:00 PM	7:00 PM	1	REDACTED
	Capacity Bidding Program ³	JULY	East Bay (Bay Area), Geysers, North Bay, North Coast, Peninsula, South Bay (Bay Area), Stockton	9	7/31/17	Day Ahead	Heat rate and Price	6	5:00 PM	7:00 PM	2	REDACTED
	Capacity Bidding Program ³	JULY	Central Coast, Fresno, Humboldt, Kern, North of Point 15, San Francisco (Bay Area), Sierra, ZP26	9	7/31/17	Day Ahead	Heat rate and Price	11	6:00 PM	7:00 PM	1	REDACTED
	Capacity Bidding Program ³	AUGUST	System	10	8/1/17	Day Ahead	Heat rate and Price	20	4:00 PM	7:00 PM	3	REDACTED
	Capacity Bidding Program ³	AUGUST	System	11	8/2/17	Day Ahead	Heat rate and Price	20	3:00 PM	7:00 PM	4	REDACTED
	Capacity Bidding Program ³	AUGUST	System	12	8/28/17	Day Ahead	Heat rate and Price	20	3:00 PM	7:00 PM	4	REDACTED
	Capacity Bidding Program ³	AUGUST		13	8/29/17	Day Ahead	Heat rate and Price	20	3:00 PM	7:00 PM	4	REDACTED
	Capacity Bidding Program ³	AUGUST		14	8/31/17	Day Ahead	Heat rate and price	20	3:00 PM	7:00 PM	4	REDACTED
	Capacity Bidding Program ³	SEPTEMBER		15	9/1/17	Day Ahead	Heat rate and Price	20	3:00 PM	7:00 PM	4	REDACTED
	Capacity Bidding Program ³	SEPTEMBER		16	9/27/17	Day Ahead	Heat rate and Price	20	6:00 PM	7:00 PM	1	REDACTED
	Capacity Bidding Program ³	SEPTEMBER		17	9/28/17	Day Ahead	Heat rate and Price	20	6:00 PM	7:00 PM	1	REDACTED
	Capacity Bidding Program ³		All subLAPs except Geysers, North Bay, and North Coast	18	10/17/17	Day Ahead	Heat rate and Price	13	5:00 PM	7:00 PM	2	REDACTED
	Capacity Bidding Program ³		All subLAPs except Geysers, North Bay, and North Coast	19 20	10/18/17	Day Ahead	Heat rate and Price	13	5:00 PM	7:00 PM	2	REDACTED
	Capacity Bidding Program ³		All subLAPs except Geysers, North Bay, and North Coast All subLAPs except Geysers, North Bay, and North Coast	20	10/24/17 10/25/17	Day Ahead Day Ahead	Heat rate and Price Heat rate and Price	13 13	4:00 PM 3:00 PM	7:00 PM 7:00 PM	3	REDACTED
	Capacity Bidding Program ³ Capacity Bidding Program ³		All subLAPs except Geysers, North Bay, and North Coast All subLAPs except Geysers, North Bay, and North Coast	21	10/25/17	Day Ahead	Heat rate and price	13	3:00 PM	7:00 PM	4	REDACTED

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.

¹Identifies location of event (SubLAP) for locally-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 number from 0 to 9). For example, if the SmartAC event Zone lists Serials 0,1,2,3,4,9, then 60% of the entire device population installed got dispatched.

² Load reduction amount is based on available meter data and may vary by month pending the collection of all data.

³ Pursuant to Commission guidance in D.14-05-016, p.118 and Finding of Fact 17, 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 fewer than 15 customers involved or where a single customer in the group accounts for more than 15 percent of the aggregated total.

Program Category	Program Name	Month	Zones ¹	Event No. (by Program Type)	Event Date	Program Type	Trigger	# of Accounts	Event Start Time (PDT)	Event End Time (PDT)	Program Tolled Hours	Load Reduction MW (Max Hourly) ^{2,3}
(Cont'd) Cat	egory 2: Price-Responsive Pro	grams										
	Capacity Bidding Program	MAY	System	1	5/22/17	Day Of	Heat rate	863	3:00 PM	7:00 PM	4	17.1
	Capacity Bidding Program	MAY	Central Coast, East Bay (Bay Area), Geysers, Humboldt, North Bay, North of Point 15, Peninsula (Bay Area), South Bay (Bay Area), San Francisco (Bay Area)	2	5/23/17	Day Of	Heat rate	514	3:00 PM	7:00 PM	4	9.8
	Capacity Bidding Program ⁴	JUNE	East Bay (Bay Area), Geysers, North Bay	3	6/16/17	Day Of	Heat rate and Price	162	3:00 PM	7:00 PM	4	3.4
	Capacity Bidding Program	JUNE	System	4	6/19/17	Day Of	Heat rate and Price	871	3:00 PM	7:00 PM	4	26.4
	Capacity Bidding Program	JUNE	System	5	6/20/17	Day Of	Heat rate and Price	868	3:00 PM	7:00 PM	4	22.5
	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
	Capacity Bidding Program ³	JUNE	North Coast, Stockton	7	6/23/17	Day Of	Heat rate and Price	26	4:00 PM	7:00 PM	3	REDACTED
	Capacity Bidding Program	JULY	System	8	7/7/17	Day Of	Heat rate and Price	908	4:00 PM	7:00 PM	3	22.1
	Capacity Bidding Program	JULY	System	9	7/27/17	Day Of	Heat rate and Price	908	6:00 PM	7:00 PM	1	20.6
	Capacity Bidding Program	JULY	East Bay (Bay Area), Geysers, North Bay, North Coast, Peninsula, South Bay (Bay Area), Stockton	10	7/31/17	Day Of	Heat rate and Price	380	5:00 PM	7:00 PM	2	10.2
	Capacity Bidding Program	JULY	Central Coast, Fresno, Humboldt, Kern, North of Point 15, San Francisco (Bay Area), Sierra, ZP26	10	7/31/17	Day Of	Heat rate and Price	528	6:00 PM	7:00 PM	1	10.5
	Capacity Bidding Program	AUGUST	System	11	8/1/17	Day Of	Heat rate and Price	911	3:00 PM	7:00 PM	4	26.0
	Capacity Bidding Program	AUGUST	System	12	8/2/17	Day Of	Heat rate and Price	911	3:00 PM	7:00 PM	4	26.6
	Capacity Bidding Program	AUGUST	System	13	8/28/17	Day Of	Heat rate and Price	911	3:00 PM	7:00 PM	4	18.2
	Capacity Bidding Program	AUGUST	System	14	8/29/17	Day Of	Heat rate and Price	911	3:00 PM	7:00 PM	4	20.6
	Capacity Bidding Program	AUGUST	System	15	8/31/17	Day Of	Heat rate and Price	911	3:00 PM	7:00 PM	4	17.7
	Capacity Bidding Program	SEPTEMBER	System	16	9/1/17	Day Of	Heat rate and Price	911	3:00 PM	7:00 PM	4	14.3
	Capacity Bidding Program	SEPTEMBER	Central Coast, East Bay (Bay Area), Fresno, Geysers, Kern, North Bay, North Coast, North of Path 15, Peninsula (Bay Area), San Francisco (Bay Area, Sierra, South Bay (Bay Area), Stockton, 2P26	17	9/5/17	Day Of	Heat rate and Price	906	5:00 PM	7:00 PM	2	19.3
	Capacity Bidding Program ³	SEPTEMBER	Humboldt	17	9/5/17	Day Of	Heat rate and Price	5	6:00 PM	7:00 PM	1	REDACTED
	Capacity Bidding Program	SEPTEMBER	System	18	9/11/17	Day Of	Heat rate and Price	911	5:00 PM	7:00 PM	2	21.8
	Capacity Bidding Program	SEPTEMBER	Central Coast, East Bay (Bay Area), Fresno, Geysers, Kern, North Bay, North Coast, North of Path 15, Peninsula (Bay Area), San Francisco (Bay Area, Sierra, South Bay (Bay Area), Stockton, 2P26	19	9/26/17	Day of	Heat rate and Price	906	6:00 PM	7:00 PM	1	12.6
	Capacity Bidding Program ³	SEPTEMBER		19	9/26/17	Day of	Heat rate and Price	5	4:00 PM	7:00 PM	3	REDACTED
	Capacity Bidding Program	SEPTEMBER	System	20	9/27/17	Day of	Heat rate and Price	911	6:00 PM	7:00 PM	1	14.6
	Capacity Bidding Program	OCTOBER	All subLAPs except North Coast and Humboldt	21	10/6/17	Day Of	Heat rate and Price	854	6:00 PM	7:00 PM	1	15.6
	Capacity Bidding Program	OCTOBER	All subLAPs except Geysers, North Bay, and North Coast	22	10/16/17	Day Of	Heat rate and Price	804	5:00 PM	7:00 PM	2	16.3
	Capacity Bidding Program	OCTOBER	All subLAPs except Geysers, North Bay, and North Coast	23	10/17/17	Day Of	Heat rate and Price	804	5:00 PM	7:00 PM	2	17.5
	Capacity Bidding Program	OCTOBER	All subLAPs except Geysers, North Bay, and North Coast	24	10/18/17	Day Of	Heat rate and Price	804	6:00 PM	7:00 PM	1	14.4
					10/23/17							13.5

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.

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Program Category	Program Name	Month	Zones ¹	Event No. (by Program Type)	Event Date	Program Type	Trigger	# of Accounts	Event Start Time (PDT)		Program Tolled Hours	Load Reduction MW (Max Hourly) ^{2,3}
(Cont'd) Cat	tegory 2: Price-Respon	sive Programs										
	Peak Day Pricing	JUNE	System	1	6/16/17	Day Ahead	Temperature	208,936	2:00 PM	6:00 PM	4	50.4
	Peak Day Pricing	JUNE	System	2	6/19/17	Day Ahead	Temperature	208,936	2:00 PM	6:00 PM	4	51.6
	Peak Day Pricing	JUNE	System	3	6/20/17	Day Ahead	Temperature	208,753	2:00 PM	6:00 PM	4	27.5
	Peak Day Pricing	JUNE	System	4	6/22/17	Day Ahead	Temperature	208,753	2:00 PM	6:00 PM	4	56.9
	Peak Day Pricing	JUNE	System	5	6/23/17	Day Ahead	Temperature	208,753	2:00 PM	6:00 PM	4	53.1
	Peak Day Pricing	JULY	System	6	7/7/17	Day Ahead	Temperature	207,353	2:00 PM	6:00 PM	4	55.3
	Peak Day Pricing	JULY	System	7	7/27/17	Day Ahead	Temperature	205,991	2:00 PM	6:00 PM	4	30.1
	Peak Day Pricing	JULY	System	8	7/31/17	Day Ahead	Temperature	205,755	2:00 PM	6:00 PM	4	18.5
	Peak Day Pricing	AUGUST	System	9	8/1/17	Day Ahead	Temperature	205,755	2:00 PM	6:00 PM	4	21.3
	Peak Day Pricing	AUGUST	System	10	8/2/17	Day Ahead	Temperature	205,755	2:00 PM	6:00 PM	4	26.6
	Peak Day Pricing	AUGUST	System	11	8/28/17	Day Ahead	Temperature	203,966	2:00 PM	6:00 PM	4	43.8
	Peak Day Pricing	AUGUST	System	12	8/29/17	Day Ahead	Temperature	203,966	2:00 PM	6:00 PM	4	6.9
	Peak Day Pricing	AUGUST	System	13	8/31/17	Day Ahead	Temperature	203,838	2:00 PM	6:00 PM	4	47.9
	Peak Day Pricing	SEPTEMBER	System	14	9/1/17	Day Ahead	Temperature	203,838	2:00 PM	6:00 PM	4	84.6
	Peak Day Pricing	SEPTEMBER	System	15	9/2/17	Day Ahead	Temperature	203,838	2:00 PM	6:00 PM	4	41.9

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¹ Identifies location of event (SubLAP) for locally-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 number from 0 to 9). For example, if the SmartAC event Zone lists Serials 0,1,2,3,4,9, then 60% of the entire device population installed got dispatched.

² Load reduction amount is based on available meter data and may vary by month pending the collection of all data.

³ Pursuant to Commission guidance in D.14-05-016, p.118 and Finding of Fact 17, 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 fewer than 15 customers involved or where a single customer in the group accounts for more than 15 percent of the aggregated total.

Table I-4 Pacific Gas and Electric Company Interruptible and Price Responsive Programs Year-to-Date Event Summary October 2017

Program Category	Program Name	Month	Zones ¹	Event No. (by Program Type)	Event Date	Program Type	Trigger	# of Accounts	Event Start Time (PDT)	-	Program Tolled Hours	Load Reduction MW (Max Hourly) ^{2,3}
(Cont'd) Cat	egory 2: Price-Responsive Progra	ams										
	SmartAC	MAY	System	1	5/3/17	Day Of	CAISO Stage 1 Emergency	143,987	7:15 PM	9:30 PM	2.25	26.1
	SmartAC	JUNE	Serials 0, 4, 9, 7, 8	2	6/19/17	Day Of	Temperature	62,246	4:30 PM	9:00 PM	4.5	30.0
	SmartAC	JUNE	Serials 4, 8	3	6/22/17	Day Of	Temperature	25,069	5:30 PM	8:00 PM	2.5	6.2
	SmartAC	JULY	Fresno, North of Point 15, ZP26	4	7/6/17	Day Of	Temperature	43,629	4:30 PM	7:00 PM	2.5	18.4
	SmartAC	JULY	Serials 0, 4, 5, 6, 7, 8, 9	5	7/7/17	Day Of	Temperature	78,936	3:30 PM	8:00 PM	4.5	20.2
	SmartAC	JULY	Serial 1	6	7/15/17	Day Of	Temperature	13,405	11:30 AM	3:00 PM	3.5	3.7
	SmartAC	JULY	Serial 0	6	7/15/17	Day Of	Temperature	13,528	2:30 PM	6:00 PM	3.5	7.3
	SmartAC	JULY	Serial 3	6	7/15/17	Day Of	Temperature	13,565	5:30 PM	9:00 PM	3.5	5.5
	SmartAC	JULY	Serials 5, 7, 6, 8, 4, 9	7	7/27/17	Day Of	Temperature	61,909	2:30 PM	7:00 PM	4.5	13.3
	SmartAC	JULY	Fresno, Kern, North of Point 15, ZP26	8	7/28/17	Day Of	Temperature	50,202	4:30 PM	7:00 PM	3.5	21.0
	SmartAC	JULY	Kern, Sierra, North Coast	9	7/31/17	Day Of	Temperature	20,485	4:30 PM	7:00 PM	3.5	13.1
	SmartAC	AUGUST	Serials 1, 3, 4, 8	10	8/1/17	Day Of	Temperature	40,669	5:30 AM	10:00 PM	4.5	9.0
	SmartAC	AUGUST	Serials 4, 8	11	8/2/17	Day Of	Temperature	20,575	3:30 AM	6:00 PM	2.5	7.0
	SmartAC	AUGUST	Serials 0,1,3	12	8/27/17	Day Of	Temperature	39,447	11:30 AM	9:00 PM	9.5	8.8
	SmartAC	AUGUST	Serials 1,4,5,6,7,8,9	13	8/28/17	Day Of	Temperature	70,397	4:30 PM	9:00 PM	4.5	3.7
	SmartAC	AUGUST	Serials 4,8	14	8/31/17	Day Of	Temperature	20,386	5:30 PM	8:00 PM	2.5	3.7
	SmartAC	SEPTEMBER	Peninsula (Bay Area), South Bay (Bay Area)	15	9/11/17	Day of	Temperature	6,783	5:00 PM	7:00 PM	2	2.7
	SmartAC	OCTOBER	Peninsula (Bay Area), South Bay (Bay Area)	16	10/24/17	Day of	Temperature	13,565	4:30 PM	7:00 PM	2.5	2.6

¹ Identifies location of event (SubLAP) for locally-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 number from 0 to 9). For example, if the SmartAC event Zone lists Serials 0,1,2,3,4,9, then 60% of the entire device population installed got dispatched.

² Load reduction amount is based on available meter data and may vary by month pending the collection of all data.

³ Pursuant to Commission guidance in D.14-05-016, p.118 and Finding of Fact 17, 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 fewer than 15 customers involved or where a single customer in the group accounts for more than 15 percent of the aggregated total.

Program Category	Program Name	Month	Zones ¹	Event No. (by Program Type)	Event Date	Program Type	Trigger	# of Accounts	Event Start Time (PDT)	Event End Time (PDT)	Program Tolled Hours	Load Reduction MW (Max Hourly) ^{2,3}
ont'd) Cat	egory 2: Price-Responsive Progra	ams										
	SmartRate	JUNE	System	1	6/16/17	Day Ahead	Temperature	128,528	2:00 PM	7:00 PM	5	33.1
	SmartRate	JUNE	System	2	6/19/17	Day Ahead	Temperature	128,528	2:00 PM	7:00 PM	5	52.5
	SmartRate	JUNE	System	3	6/20/17	Day Ahead	Temperature	128,464	2:00 PM	7:00 PM	5	49.6
	SmartRate	JUNE	System	4	6/22/17	Day Ahead	Temperature	128,433	2:00 PM	7:00 PM	5	59.4
	SmartRate	JUNE	System	5	6/23/17	Day Ahead	Temperature	128,425	2:00 PM	7:00 PM	5	46.8
	SmartRate	JULY	System	6	7/7/17	Day Ahead	Temperature	128,248	2:00 PM	7:00 PM	5	36.7
	SmartRate	JULY	System	7	7/27/17	Day Ahead	Temperature	121,053	2:00 PM	7:00 PM	5	26.3
	SmartRate	JULY	System	8	7/31/17	Day Ahead	Temperature	120,374	2:00 PM	7:00 PM	5	23.4
	SmartRate	AUGUST	System	9	8/1/17	Day Ahead	Temperature	120,019	2:00 PM	7:00 PM	5	39.0
	SmartRate	AUGUST	System	10	8/2/17	Day Ahead	Temperature	119,695	2:00 PM	7:00 PM	5	36.0
	SmartRate	AUGUST	System	11	8/28/17	Day Ahead	Temperature	120,543	2:00 PM	7:00 PM	5	40.2
	SmartRate	AUGUST	System	12	8/31/17	Day Ahead	Temperature	120,523	2:00 PM	7:00 PM	5	25.1
	SmartRate	SEPTEMBER	System	13	9/1/17	Day Ahead	Temperature	120,523	2:00 PM	7:00 PM	5	38.6
	SmartRate	SEPTEMBER	System	14	9/2/17	Day Ahead	Temperature	120,523	2:00 PM	7:00 PM	5	41.0
egory 3:	DR Provider/Aggregator Manage	d Programs										
	Aggregator Managed Portfolio	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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.

¹ Identifies location of event (SubLAP) for locally-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 number from 0 to 9). For example, if the SmartAC event Zone lists Serials 0,1,2,3,4,9, then 60% of the entire device population installed got dispatched.

² Load reduction amount is based on available meter data and may vary by month pending the collection of all data.

³ Pursuant to Commission guidance in D.14-05-016, p.118 and Finding of Fact 17, 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 fewer than 15 customers involved or where a single customer in the group accounts for more than 15 percent of the aggregated total.

Table I-5a Pacific Gas and Electric Company 2017 Demand Response Programs Incentives October 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) ¹	\$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) ¹	\$2,111,280	\$2,254,034	\$2,276,364	\$2,225,510	2,205,416	\$2,325,208	\$2,441,787	\$2,416,965	\$2,326,592	\$2,265,981	\$0	\$0	\$22,849,13
Capacity Bidding Program (CBP) ²	\$0	\$0	\$0	\$0	\$81,311	\$108,146	\$378,644	\$358,532	\$212,760	\$93,624	\$0	\$0	\$1,233,01
Demand Bidding Program (DBP)	\$0	\$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	\$15,200	\$7,592	\$15,200	\$0	\$0	\$54,94
/ SLRP) ¹	\$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 [™]	\$8,300	\$8,815	\$10,349	\$13,279	\$23,226	(\$50)	\$33,695	\$16,256	\$50,340	\$3,786	\$0	\$0	\$167,990
Supply Side Pilot	\$10,000	\$9,100	\$10,000	\$10,000	\$10,000	\$10,000	\$6,161	\$9,600	\$6,076	\$9,600	\$0	\$0	\$90,53
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	\$2,816,553	\$2,603,361	\$2,388,191	\$0	\$0	\$24,395,63
Revenues from Penalties ³	\$0	\$0	\$0	\$0	228,234	\$0	\$84,748	\$0	\$0	\$1,025	\$0	\$0	\$314,00

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

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

² Incentives reported are net of penalties paid by the aggregators.

³ 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 October 2017

Annual Total Cost													
Cost Item ¹	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	\$118,230	\$53,790	\$294,490	\$0	\$0	\$1,213,114
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 ²	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
DRAM Phase 2 ²	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
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		
Supply Side Pilot SmartAC [™]	\$0 \$10,273	\$0 \$9	(, ,			\$0 \$100		\$0 \$100	\$0 \$100	\$0 (\$50)	\$0 \$0		
	\$10,273		-	(\$100)				\$100 \$0	\$100 \$0	(\$50) \$0	\$0 \$0		. ,
Technology Incentive (TI)	\$0 \$0	\$0 \$0		\$0 \$0	\$0 \$0	\$0 \$0	\$0 ©0	\$0 \$0	\$0 \$0	\$0 \$0	φ0 \$0	ψυ	
Transmission and Distribution Pilot (T&D DR) Total Cost of Incentives	\$0 \$337,522	\$0 \$9	1 -	\$0 \$40,140	پ ون (\$50)	1.		_{\$0} \$118,330	\$0 \$53,890	\$0 \$294,440	\$0 \$0		
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.

¹ Incentives on this page reflect incentives paid in 2017 from all prior funding cycles. ² DRAM incentives are confidential and redacted for the public version. The MWs under contract are known, and the costs are being paid under the contracts that won in the RFO.

Table I-7 Pacific Gas and Electric Company 2017 Marketing, Education and Outreach Actual Expenditures October 2017

PG&E's ME&O Actual Expenditures	2017 Funding Cycle Customer Communication, Marketing, and Outreach														
		January February March April May June July August September October November Decemb										December	Year-to-Date 2017 Expenditures	Budget (if	
I. STATEWIDE MARKETING															
IOU Administrative Costs	\$	- \$	- \$	- \$	-	\$-	\$ -	\$ - \$	5 - 5	\$ -	\$ -	\$ -	\$-	\$-	
Statewide ME&O contract	\$	- \$	- \$	- \$	-	\$-	\$-	\$ - \$	5 - 5	\$-	\$-	\$-	\$-	\$-	
I. TOTAL STATEWIDE MARKETING	\$	- \$	- \$	- \$		\$-	\$-	\$ - \$		\$-	\$-	\$-	\$-	\$-	
II. UTILITY MARKETING BY ACTIVITY ¹ 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 \$	9,441	\$ 9,899	\$ 8,754	\$ 7,476 \$	5 7,270 \$	\$ 20,080	\$ 6,371			\$ 102,396	
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 \$	14,162	\$ 14,848	\$ 13,131	\$ 11,215 \$	10,905	\$ 30,121	\$ 9,557			\$ 143,095	
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	\$ 24,747	\$ 21,885	\$ 18,691 \$	5 18,175 \$	50,201	\$ 15,928			\$ 238,492	
PROGRAMS & RATES WHICH REQUIRE ITEMIZED ACCOUNTING															
SmartAC	\$	30,561 \$	30,624 \$	66,430 \$	75,982	\$ 312,780	\$ 450,563	\$ 162,219	190,597	\$ (9,232)	\$ 138,101	\$ -		\$ 1,448,625	
Customer Research	\$	- \$	- \$	- \$	-	\$ -	\$ -	\$ - \$		\$ -	\$ -			\$ -	
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	\$	10,000 \$	10,000 \$	52,567 \$	54,685	\$ 274,396	\$ 416,823	\$ 144,225 \$	166,945	\$ (30,812)	\$ 121,678			\$ 1,220,507	
Labor	\$	20,561 \$	20,624 \$	13,863 \$	21,297	\$ 28,434	\$ 19,740	\$ 17,994	23,652	\$ 20,581	\$ 16,423			\$ 203,168	
Paid Media	\$	- \$	- \$	- \$	-	\$-	\$-	\$ - \$	5 - 5	\$ -	\$-			\$-	
Other Costs	\$	- \$	- \$	- \$	-	\$ 9,950	\$ 14,000	\$ - \$	5 - 5	\$ 1,000	\$-			\$ 24,950	
II. TOTAL UTILITY MARKETING BY ACTIVITY	\$	64,039 \$	67,760 \$	133,338 \$	123,188	\$ 362,273	\$ 494,333	\$ 199,601 \$	226,947	\$ 91,171	\$ 169,957	\$ -	\$ -	\$ 1,932,609	
III. UTILITY MARKETING BY ITEMIZED COST															
Customer Research														Ś -	-
Collateral- Development, Printing, Distribution etc. (all non-labor costs)	Ś	14.000 Ś	7.001 Ś	65.832 \$	59.394	\$ 278.003	\$ 430.977	\$ 150.937	167.074	\$ 42.533	\$ 121.677			\$ 1,337,428	
Labor	Ś	50,039 \$	60,759 \$	67,506 \$	/	,		\$ 48,664 \$. ,	,	\$ 48,280			\$ 565,761	
Paid Media	Ś	- \$	- \$	- \$		\$ -	\$ -	\$ - \$. ,	\$ -			\$ -	
Other Costs	\$	- \$	- \$	- \$			\$ 14,000	\$ - \$	- S		\$ -			\$ 29,420	
III. TOTAL UTILITY MARKETING BY ITEMIZED COST	\$	64,039 \$	67,760 \$	133,338 \$	123,188	\$ 362,273	\$ 494,333	\$ 199,601 \$	226,947	\$ 91,171	\$ 169,957	\$ -	\$-	\$ 1,932,609	
IV. UTILITY MARKETING BY CUSTOMER SEGMENT															
Agricultural	\$	5,022 \$	5,570 \$	10,036 \$	7,081	\$ 7,424	\$ 6,566	\$ 5,607 \$	5,452	\$ 15,060	\$ 4,778			\$ 72,598	7
Large Commercial and Industrial	\$	28,457 \$	31,565 \$	56,872 \$	40,126	\$ 42,070	\$ 37,205		30,897	\$ 85,342	\$ 27,078			\$ 411,386	1
Small and Medium Commercial	\$	- \$	- \$	- \$	-	\$ -		\$ - \$	5 - 5	\$ -	\$ -			\$ -	1
Residential	\$	30,561 \$	30,624 \$	66,430 \$	75,982	\$ 312,780	\$ 450,563	\$ 162,219	190,597	\$ (9,232)	\$ 138,101			\$ 1,448,625	1
IV. TOTAL UTILITY MARKETING BY CUSTOMER SEGMENT	Ś	64,039 \$	67,760 \$	133,338 \$	123 188	\$ 362 273	\$ 494,333	\$ 199,601 \$	226,947	\$ 91,171	\$ 169,957	Ś -	Ś -	\$ 1,932,609	

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, II and IV should be equal.

Pacific Gas and Electric Company 2017 Fund Shifting Documentation October 2017

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: Reliability Programs	\$14,000	Optional Bidding Mandatory Curtailment / Scheduled Load Reduction (OBMC / SLRP) to Base Interruptible Program (BIP) for DREBA2017	10/31/2017	The transferred funds support increased labor support costs for the BIP program.
Category 2: Price- Responsive Programs	\$0.00			
Category 3: DR Provider/Aggregator Managed Programs	\$0.00			
Category 4: Emerging & Enabling Programs	\$40,000	DR Emerging Technology to Auto DR for DREBA2017	8/31/2017	The transferred funds support PG&E's membership to the OpenADR Alliance.
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			
	\$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.
Category 10: Special	\$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.
Projects	\$1,000,000	Demand Response Auction Mechanism Pilot Phase 1 to Permanent Load Shifting for DREBA 2015-2016	8/31/2017	Prior fund shift from PLS to DRAM1 in DREBA 2015-16 overestimated funds needed for DRAM1 therefore shifting back \$1,000,000 to the original program.
	\$600,000	Demand Response Auction Mechanism Pilot Phase 2 to Permanent Load Shifting for DREBA 2015-2016	8/31/2017	Prior fund shift from PLS to DRAM2 in DREBA 2015-16 overestimated funds needed for DRAM2 therefore shifting back \$600,000 to the original program.
Total	\$3,754,000			