

Non Resource Adequacy Capacity Report

March 2018

CAISO Market Quality and Renewable Integration

April 10, 2018

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Introduction

This report is produced pursuant to CAISO Tariff Section 43A.6.3, which requires the ISO to publish a monthly report non-resource adequacy (RA) capacity in the ISO markets through market and non-market transactions. Section 43A.6.3 also requires the ISO to publish the report on the 10th of each month with data for the prior month. The ISO will publish the report on the first business day following the 10th whenever the 10th falls on a weekend or holiday. This report provides the following information for non-RA capacity for the month of March 2018.

The Content of the Non RA Capacity Report

The report includes the following information:

- (a) the name of the resource with non-RA capacity;
- (b) The utility service area and local capacity area (if applicable);
- (c) the maximum amount of non-RA capacity committed in response to the event (MW);
- (d) how the non-RA capacity was procured (for example, by Reliability Unit Commitment (RUC) or exceptional dispatch (ED));
- (e) the reason the non- capacity was commit either through market optimization or exceptional dispatch); and

The non-RA capacity is the MW amount of capacity committed in Fifteen Minute Market (FMM) that are dispatched above the RA supply MW from CAISO CIRA system. Resources that have sold RA capacity at MW level less than PMin have an obligation to make full PMin available to the ISO as RA capacity per CAISO Tariff section 40.4.3(1), so its PMin will be used as its RA supply MW in this report.

The ISO reports the "maximum" non-RA capacity for each resource that its non-RA capacity is greater than zero for at least one 15-minute interval in the FMM per commitment reason per day in Table 1. We report the non-RA capacity based on the commitment status in FMM, because

- the FMM is the last market process to make commitment decisions,
- even if a unit is committed prior to the FMM, FMM will recognize and reflect its commitment status.

The ISO also reports the corresponding RUC award, and its utility service area and local area if applicable for the resource in Table 1.

Commitment reason in Table 1 may include "Market Optimization" and exceptional dispatch. There are no exceptional dispatch MWs of non-RA capacity for March 2018. If there is non-RA capacity committed by ED, the commitment reason will be "ED: *the specific ED reason.*"

CAISO Tariff Section 40.4.3(1)(f) specifies that the report must include information as to whether or not all RA capacity and previously-designated

Capacity Payment Mechanism (CPM) capacity was used first and, if not, why. Non-RA capacity can be committed by the market, RUC or exceptional dispactch.

- IFM and FMM market commitments and dispatches result from the market optimization utilizing bids and self-schedules without regard to RA, CPM or Non-RA status as capacity is committed and dispatched in the market based on resources compete based bids.
- When RUC commits resources, it will consider RA capacity as zero cost supply, and non-RA capacity with bid-in capacity cost. If the non-RA capacity bid-in cost is greater than zero, then RUC will choose the more economic RA capacity to commit first. If the non-RA capacity bid-in cost is zero, RUC cannot distinguish RA vs non-RA from a cost perspective in making commitment decisions.
- For resources committed and dispatched through Exceptional Dispatch, the ISO will use available information to select the most economic resources that can meet the reliability need, resulting in exceptional dispatches of non RA resources when RA or CPM resources or are not available or effective to meet the reliability need.

Table 1: Non RA Capacity in March 2018

Date	Resource	UDC	Local	Non	Reason	RUC
			Area	RA MW		award
				IVIVV	market	
3/1/2018	ALMEGT_1_UNIT 1	NCPA	Bay Area	0.4	optimization	0.0
6/ 1/2010	7.2.1.201.1.1	110.71	Day 7ou	0.1	market	0.0
3/1/2018	ALMEGT_1_UNIT 2	NCPA	Bay Area	0.5	optimization	0.0
					market	
3/1/2018	ANAHM_2_CANYN4	ANHM	LA Basin	5.8	optimization	0.0
					market	
3/1/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
			CAISO		market	
3/1/2018	BUCKBL_2_PL1X3_C4	SCE	System	410.0	optimization	0.0
0/4/0040	DUOLEDI O DI 1940 OF	005	CAISO	450.0	market	0.0
3/1/2018	BUCKBL_2_PL1X3_C5	SCE	System	452.6	optimization	0.0
0/4/0040	CALDOO C COLADA	CDCE		2.0	market	0.0
3/1/2018	CALPSS_6_SOLAR1	SDGE	CAISO	3.0	optimization	0.0
3/1/2018	CDWR07 2 GEN	CWRP		0.1	market	0.0
3/1/2016	CDWR07_2_GEN	CVVKP	System	0.1	optimization market	0.0
3/1/2018	CHINO 6 CIMGEN	SCE	LA Basin	0.4	optimization	0.0
3/1/2010	OTHING_O_OHMOEIN	OOL	San	0.4	market	0.0
3/1/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
0/1/2010		10002	Diege iv	0.0	market	0.0
3/1/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.0	optimization	0.0
					market	
3/1/2018	LODI25_2_UNIT 1	NCPA	Stockton	0.8	optimization	0.0
					market	
3/1/2018	MIRLOM_6_PEAKER	SCE	LA Basin	44.9	optimization	0.0
					market	
3/1/2018	MSTANG_2_SOLAR4	PGAE	Fresno	0.4	optimization	0.0
			San		market	
3/1/2018	PIOPIC_2_CTG1	SDGE	Diego-IV	8.7	optimization	0.0
0/4/0040	DIODIO 0 0700	0005	San		market	
3/1/2018	PIOPIC_2_CTG3	SDGE	Diego-IV	1.1	optimization	0.0
0/4/0040	DNOUEC O DIAVA A	DOAF	CAISO	75.0	market	0.0
3/1/2018	PNCHEG_2_PL1X4_1	PGAE	System CAISO	75.3	optimization	0.0
3/1/2018	PNCHEG_2_PL1X4_2	PGAE	System	204.0	market optimization	0.0
3/1/2010	FINCHEG_Z_FETX4_Z	FOAL	CAISO	204.0	market	0.0
3/1/2018	PNCHEG_2_PL1X4_4	PGAE	System	374.3	optimization	0.0
5/1/2010	1.101120_2_1 2174_4	IOAL	CAISO	017.0	market	0.0
3/1/2018	VACADX_1_UNITA1_1X1	PGAE	System	1.0	optimization	0.0
2 20.0		†	2,2.2		market	0.0
3/2/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
					market	
3/2/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	optimization	0.0
			CAISO		market	
3/2/2018	BUCKBL_2_PL1X3_C4	SCE	System	170.0	optimization	0.0
			CAISO	_	market	
3/2/2018	BUCKBL_2_PL1X3_C5	SCE	System	25.0	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	Resource	UDC	Area	RA	Reason	award
			7.100	MW		awara
					market	
3/2/2018	BUCKCK_7_OAKFLT	PGAE	Sierra	0.5	optimization	0.0
					market	
3/2/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
			CAISO		market	
3/2/2018	CARBOU_7_PL2X3	PGAE	System	10.5	optimization	0.0
					market	
3/2/2018	CENTER_6_PEAKER	SCE	LA Basin	21.0	optimization	0.0
- /- /			San		market	
3/2/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
0/0/0040	GLNARM_2_UNIT	DAGA	I A Davis	0.0	market	0.0
3/2/2018	5_CONFIG_1	PASA	LA Basin	3.3	optimization	0.0
2/2/2019	CLNADM 7 LINIT 2	DACA	I A Booin	110	market	0.0
3/2/2018	GLNARM_7_UNIT 3	PASA	LA Basin	14.8	optimization market	0.0
3/2/2018	HIIMPDD & LINITS 2	PGAE	Humboldt	4.5		0.0
3/2/2010	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	optimization market	0.0
3/2/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization	0.0
3/2/2010	TIOMBEE_0_OINTIS_3	FUAL	Tidifibolat	0.0	market	0.0
3/2/2018	HUMBPP 6 UNITS 4	PGAE	Humboldt	11.5	optimization	0.0
0/2/2010	110WB11_0_0N110_4	TOAL	Trambolat	11.0	market	0.0
3/2/2018	HUMBPP_6_UNITS_5	PGAE	Humboldt	11.4	optimization	0.0
0,2,2010	- 1.6 <u>-</u> 6_611116_6	1 0, 12	CAISO		market	0.0
3/2/2018	IVANPA_1_UNIT3	SCE	System	5.7	optimization	0.0
			CAISO		market	
3/2/2018	LOWGAP_7_QFUNTS	PGAE	System	0.5	optimization	0.0
					market	
3/2/2018	MIRLOM_6_PEAKER	SCE	LA Basin	44.9	optimization	0.0
					market	
3/2/2018	MSTANG_2_SOLAR4	PGAE	Fresno	1.0	optimization	0.0
			San		market	
3/2/2018	PIOPIC_2_CTG1	SDGE	Diego-IV	8.5	optimization	0.0
			San		market	
3/2/2018	PIOPIC_2_CTG2	SDGE	Diego-IV	9.3	optimization	0.0
			San		market	
3/2/2018	PIOPIC_2_CTG3	SDGE	Diego-IV	9.3	optimization	0.0
0/0/0040	DNOUES & DLAVA &	DO 4 E	CAISO	0000	market	0.0
3/2/2018	PNCHEG_2_PL1X4_3	PGAE	System	226.0	optimization	0.0
0/0/0040	DNOUEC O DIAVA A	DOAF	CAISO	404.0	market	0.0
3/2/2018	PNCHEG_2_PL1X4_4	PGAE	System	401.0	optimization	0.0
2/2/2019	VOLTA 6 DICHYD	DCAE	CAISO	0.0	market	0.0
3/2/2018	VOLTA_6_DIGHYD	PGAE	System	0.0	optimization market	0.0
3/2/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	optimization	0.0
5/2/2010	WALORIA_2_0100	JOL	LA Dasili	0.2	market	0.0
3/3/2018	ANZA_6_SOLAR1	SDGE	1	1.1	optimization	0.0
3, 3, 2010		3532	CAISO		market	0.0
3/3/2018	BUCKBL_2_PL1X3_C4	SCE	System	72.2	optimization	0.0
2. 2. 20.0	· · · · · · · · · · · · · · ·		CAISO		market	5.5
3/3/2018	BUCKBL_2_PL1X3_C4	SCE	System	72.2	optimization	0.0
			CAISO		market	
3/3/2018	BUCKBL_2_PL1X3_C5	SCE	System	65.0	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	110000100	020	Area	RA	riodoon	award
				MW		
					market	
3/3/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/0/0040	ONTNI A O OOLADO	0005	San	5.0	market	0.0
3/3/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
3/3/2018	HUMBPP 6 UNITS 3	PGAE	Humboldt	6.8	market optimization	0.0
3/3/2010	TIOMBEE_0_OINTS_3	FUAL	CAISO	0.0	market	0.0
3/3/2018	HYTTHM 2 UNITS	CWRP	System	65.0	optimization	0.0
5,5,25.5			CAISO	00.0	market	0.0
3/3/2018	LOWGAP_7_QFUNTS	PGAE	System	0.5	optimization	0.0
					market	
3/3/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	optimization	0.0
- /- /			_		market	
3/3/2018	MSTANG_2_SOLAR4	PGAE	Fresno	0.7	optimization	0.0
2/2/2010	DUOTNY 4 LINIT	PGAE	Ctookton	0.1	market	0.0
3/3/2018	PHOENX_1_UNIT	PGAE	Stockton San	0.1	optimization market	0.0
3/3/2018	PIOPIC 2 CTG2	SDGE	Diego-IV	9.3	optimization	0.0
0/0/2010	110110_2_0102	ODOL	CAISO	0.0	market	0.0
3/3/2018	PNCHEG_2_PL1X4_2	PGAE	System	204.0	optimization	0.0
			CAISO		market	
3/3/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization	0.0
			CAISO		market	
3/3/2018	PNCHEG_2_PL1X4_4	PGAE	System	401.0	optimization	0.0
3/3/2018	WALCEK 2 CTC2	SCE	LA Basin	0.0	market	0.0
3/3/2010	WALCRK_2_CTG2	SCE	LA DaSIII	0.0	optimization market	0.0
3/4/2018	ANAHM_2_CANYN4	ANHM	LA Basin	0.6	optimization	0.0
3, 1,2313	7 4 7 4 101 <u></u>	7 11 11 11 11 11	27 (20011)	0.0	market	0.0
3/4/2018	ANZA_6_SOLAR1	SDGE		1.4	optimization	0.0
			CAISO		market	
3/4/2018	BUCKBL_2_PL1X3_C4	SCE	System	18.8	optimization	0.0
			CAISO		market	
3/4/2018	BUCKBL_2_PL1X3_C5	SCE	System	58.4	optimization	0.0
2/4/2019	CALDES 6 SOLAD4	SDGE		2.0	market	0.0
3/4/2018	CALPSS_6_SOLAR1	SDGE	San	3.0	optimization market	0.0
3/4/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
0, ,,_0,,			CAISO		market	
3/4/2018	COLUSA_2_PL1X3_1X1	PGAE	System	19.2	optimization	0.0
			CAISO		market	
3/4/2018	COLUSA_2_PL1X3_2X1	PGAE	System	68.0	optimization	0.0
0/4/0046	0011104 0 01470 07455	DC 4 =	CAISO	2.2	market	
3/4/2018	COLUSA_2_PL1X3_2X1DF	PGAE	System	3.3	optimization	0.0
3/4/2018	ENCINA_7_GT1	SDGE	San Diego-IV	11.2	market optimization	0.0
3/4/2010	LINOINA_I_OTT	JUGE	DIEGO-I V	11.4	market	0.0
3/4/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.3	optimization	0.0
					market	
3/4/2018	GRSCRK_6_BGCKWW	PGAE	Humboldt	0.9	optimization	0.0
				_	market	
3/4/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	3.3	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	Resource	ODC	Area	RA	Reason	award
			71100	MW		awara
					market	
3/4/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization	0.0
					market	
3/4/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	optimization	0.0
			Big			
3/4/2018	MNDALY_6_MCGRTH	SCE	Creek- Ventura	47.1	market optimization	0.0
3/4/2010	WINDALT_0_WCGRTTT	JOL	Ventura	47.1	market	0.0
3/4/2018	MSTANG_2_SOLAR4	PGAE	Fresno	7.9	optimization	0.0
	<u>-</u>		CAISO		market	
3/4/2018	PIT6_7_UNIT 2	PGAE	System	7.0	optimization	0.0
			CAISO		market	
3/4/2018	PNCHEG_2_PL1X4_1	PGAE	System	102.0	optimization	0.0
0/4/0040	DNOUES & DLAVA A	DO A E	CAISO	404.0	market	0.0
3/4/2018	PNCHEG_2_PL1X4_4	PGAE	System	401.0	optimization market	0.0
3/4/2018	RVSIDE_2_RERCU3	RVSD	LA Basin	0.5	optimization	0.0
3/4/2010	NVSIDE_Z_NENCOS	INVOD	LA Dasiii	0.5	market	0.0
3/4/2018	RVSIDE 2 RERCU4	RVSD	LA Basin	0.5	optimization	0.0
			CAISO		market	
3/4/2018	SANLOB_1_LNDFIL	PGAE	System	1.5	optimization	0.0
					market	
3/4/2018	TRNQLT_2_SOLAR	PGAE	Fresno	44.3	optimization	0.0
2/5/2040	ANZA C COLADA	CDCE		4.0	market	0.0
3/5/2018	ANZA_6_SOLAR1	SDGE		1.6	optimization market	0.0
3/5/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	optimization	0.0
0,0,2010	<i>5,</i> ((1, (2_0_1, 2, (1, (2, (1, (1, (1, (1, (1, (1, (1, (1, (1, (1	1002	CAISO		market	0.0
3/5/2018	BUCKBL_2_PL1X3_C5	SCE	System	14.2	optimization	0.0
			_		market	
3/5/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/=/0040	0.17.11.4.0.001.450	0005	San		market	
3/5/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
3/5/2018	GRIDLY 6 SOLAR	PGAE	Sierra	0.1	market optimization	0.0
3/3/2010	GRIDET_0_SOLAR	FUAL	Sierra	0.1	market	0.0
3/5/2018	GRNLF2_1_UNIT	PGAE	Sierra	27.2	optimization	0.0
_					market	
3/5/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
					market	
3/5/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	optimization	0.0
2/5/2042	LILIMBDD & LINUTE O	DC A E	Liuma la cal alt	0.0	market	0.0
3/5/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization market	0.0
3/5/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	optimization	0.0
5,5,2010		1000	Big	.0.0	Spannzadon	0.0
			Creek-		market	
3/5/2018	MOORPK_6_QF	SCE	Ventura	11.3	optimization	0.0
			CAISO		market	
3/5/2018	MSOLAR_2_SOLAR3	SDGE	System	3.1	optimization	0.0
0/5/0040	MOTANIC O COLADA	DC 4E		44.0	market	0.0
3/5/2018	MSTANG_2_SOLAR4	PGAE	Fresno	11.6	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	resource		Area	RA	Reason	award
				MW		
			San		market	
3/5/2018	PIOPIC_2_CTG1	SDGE	Diego-IV	8.5	optimization	0.0
			San		market	
3/5/2018	PIOPIC_2_CTG2	SDGE	Diego-IV	9.3	optimization	0.0
0/5/0040	DIODIO O OTOO	0005	San	0.0	market	0.0
3/5/2018	PIOPIC_2_CTG3	SDGE	Diego-IV	9.3	optimization	0.0
3/5/2018	PNCHEG 2 PL1X4 3	PGAE	CAISO System	282.4	market optimization	0.0
3/3/2010	11101120_2_1 21X4_9	TOAL	Oystem	202.4	market	0.0
3/6/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.2	optimization	0.0
0,0,20.0		7 11			market	0.0
3/6/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
					market	
3/6/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
			San		market	
3/6/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
0/0/0040		DOAF	0	0.0	market	0.0
3/6/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.3	optimization	0.0
3/6/2018	GRNLF2_1_UNIT	PGAE	Sierra	24.8	market optimization	0.0
3/0/2010	GINEL Z_1_OINIT	FUAL	Sierra	24.0	market	0.0
3/6/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	11.5	optimization	0.0
0,0,20.0					market	0.0
3/6/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization	0.0
					market	
3/6/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	optimization	0.0
0/0/0040		005	l		market	
3/6/2018	MIRLOM_6_PEAKER	SCE	LA Basin	44.9	optimization	0.0
3/6/2018	MSTANC 2 SOLAB4	PGAE	Fresno	11.6	market	0.0
3/0/2010	MSTANG_2_SOLAR4	PGAE	San	11.0	optimization market	0.0
3/6/2018	PIOPIC_2_CTG1	SDGE	Diego-IV	8.5	optimization	0.0
0,0,2010	1.01.00.01	0502	San	0.0	market	0.0
3/6/2018	PIOPIC_2_CTG2	SDGE	Diego-IV	9.3	optimization	0.0
			San		market	
3/6/2018	PIOPIC_2_CTG3	SDGE	Diego-IV	9.3	optimization	0.0
- / - /			CAISO		market	
3/6/2018	PIT6_7_UNIT 2	PGAE	System	7.0	optimization	0.0
2/0/2040	DNCHEC 2 DIAVA 4	DCAE	CAISO	400.0	market	0.0
3/6/2018	PNCHEG_2_PL1X4_1	PGAE	System CAISO	102.0	optimization market	0.0
3/6/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization	0.0
3,0,2010		· OAL	2,3(0)11	550.0	market	0.0
3/7/2018	ANZA 6 SOLAR1	SDGE		1.0	optimization	0.0
					market	
3/7/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
			San		market	
3/7/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
0/7/0040	COLEMAN O LINUT	DC 4 F	CAISO	0.4	market	0.0
3/7/2018	COLEMN_2_UNIT	PGAE	System	6.1	optimization	0.0
3/7/2018	GLNARM_7_UNIT 3	PASA	LA Basin	19.6	market optimization	0.0
3/1/2010	OFINUINI 1 OINI 9	FASA	LA DaSIII	13.0	opuiiiizatioii	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	Resource	ODC	Area	RA	Reason	award
			71100	MW		awara
					market	
3/7/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
					market	
3/7/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
					market	
3/7/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.1	optimization	0.0
0/7/0040	LULIMADED O LINUTO O	DOAF	11	4.5	market	0.0
3/7/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	optimization	0.0
3/7/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	market optimization	0.0
3/1/2010	WINCOW_O_I EARLIN	JOL	CAISO	40.0	market	0.0
3/7/2018	MSOLAR_2_SOLAR3	SDGE	System	3.4	optimization	0.0
5,1,2010			- Cystoni	0	market	0.0
3/7/2018	MSTANG_2_SOLAR4	PGAE	Fresno	4.7	optimization	0.0
			San		market	
3/7/2018	PIOPIC_2_CTG1	SDGE	Diego-IV	8.5	optimization	0.0
			San		market	
3/7/2018	PIOPIC_2_CTG2	SDGE	Diego-IV	9.3	optimization	0.0
0/7/0040	DIODIO O OTOS	0005	San	0.0	market	0.0
3/7/2018	PIOPIC_2_CTG3	SDGE	Diego-IV CAISO	9.3	optimization	0.0
3/7/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	market optimization	0.0
3/1/2010	FNCHEG_Z_FL1X4_3	FGAL	CAISO	300.0	market	0.0
3/7/2018	VACADX_1_UNITA1_1X1	PGAE	System	1.0	optimization	0.0
0/1/2010	(7.(6,12)(_1_6)(1.1)(1_1)(1_1)(1_1)	1 0/12	- Cyotom		market	0.0
3/7/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	optimization	0.0
					market	
3/8/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
					market	
3/8/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/0/0040	0.17.11 4 0 001 4.70	0005	San	- 0	market	0.0
3/8/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
3/8/2018	COLEMN 2 UNIT	PGAE	CAISO System	6.0	market optimization	0.0
3/6/2016	COLEIVIN_Z_UNIT	FGAL	System	0.0	market	0.0
3/8/2018	GRIDLY 6 SOLAR	PGAE	Sierra	0.1	optimization	0.0
5,5,2010			0.0	011	market	0.0
3/8/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	optimization	0.0
					market	
3/8/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization	0.0
			CAISO		market	
3/8/2018	PNCHEG_2_PL1X4_1	PGAE	System	75.3	optimization	0.0
2/9/2019	DNCHEC 2 DL1V4 4	DCAE	CAISO	404.0	market	0.0
3/8/2018	PNCHEG_2_PL1X4_4	PGAE	System	401.0	optimization market	0.0
3/9/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
5/5/2010	,	3232	CAISO	1.0	market	0.0
3/9/2018	BUCKBL_2_PL1X3_C5	SCE	System	4.2	optimization	0.0
					market	
3/9/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
			CAISO		market	
3/9/2018	CARBOU_7_PL2X3	PGAE	System	10.0	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
			Area	RA		award
				MW		
			San		market	
3/9/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
					market	
3/9/2018	GLNARM_7_UNIT 3	PASA	LA Basin	19.6	optimization	0.0
					market	
3/9/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
					market	
3/9/2018	GRSCRK_6_BGCKWW	PGAE	Humboldt	1.8	optimization	0.0
- /- /	<u>-</u>		l		market	
3/9/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
0/0/0040		0005	CAISO		market	
3/9/2018	MSOLAR_2_SOLAR3	SDGE	System	2.6	optimization	0.0
0/0/0040	DIODIO O OTOO	0005	San	0.0	market	0.0
3/9/2018	PIOPIC_2_CTG2	SDGE	Diego-IV	9.3	optimization	0.0
0/0/0040	DNOUEC O DIAVA A	DO 4 E	CAISO	404.0	market	0.0
3/9/2018	PNCHEG_2_PL1X4_4	PGAE	System	401.0	optimization	0.0
2/0/2010	DVCIDE A DEDCUA	RVSD	LA Basin	0.5	market	0.0
3/9/2018	RVSIDE_2_RERCU3	KVSD		0.5	optimization	0.0
			Big Creek-		market	
3/9/2018	SAUGUS_6_PTCHGN	SCE	Ventura	1.3	optimization	0.0
3/9/2010	3A0G03_0_F1CHGN	JOL	ventura	1.3	market	0.0
3/10/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.2	optimization	0.0
0/10/2010	711711111_2_07111114	7 (1 (1 11 11 11	L/ (Dasiii	12.2	market	0.0
3/10/2018	ANZA 6 SOLAR1	SDGE		1.0	optimization	0.0
0/10/2010		0202	CAISO		market	0.0
3/10/2018	BUCKBL_2_PL1X3_C5	SCE	System	30.0	optimization	0.0
0					market	
3/10/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
			CAISO		market	
3/10/2018	CARBOU_7_PL4X5	PGAE	System	11.9	optimization	0.0
			San		market	
3/10/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
					market	
3/10/2018	GLNARM_7_UNIT 1	PASA	LA Basin	16.0	optimization	0.0
					market	
3/10/2018	GLNARM_7_UNIT 3	PASA	LA Basin	4.8	optimization	0.0
					market	
3/10/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
	<u>-</u>		l		market	
3/10/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	2.0	optimization	0.0
0/40/0040	LULIMADED 4 LINUTOS S	DOAE	11	0.0	market	0.0
3/10/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	optimization	0.0
0/40/0040	LILIMADED & LINITO O	DO 4 E	I loure le ellet		market	0.0
3/10/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	3.8	optimization	0.0
0/40/0040	LILIMADED C LINITO O	DO 4 E	I loure le ellet		market	0.0
3/10/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization	0.0
2/10/2019	HUMBPP 6 UNITS 4	PGAE	Humboldt	7.0	market optimization	0.0
3/10/2018	HOWIDEF_U_UINITO_4	FGAE	Humboldt	7.0	market	0.0
3/10/2018	MSTANG_2_SOLAR4	PGAE	Fresno	1.5	optimization	0.0
3/10/2018	IVIOTANU_Z_OULAR4	LEGAE	L162110	1.5	opumization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
			Area	RA		award
				MW		
					market	
3/10/2018	OLDRIV_6_LKVBM1	PGAE	0.1100	0.9	optimization	0.0
2/40/2040	DADDED C LINITS	DCAE	CAISO	440	market	0.0
3/10/2018	PARDEB_6_UNITS	PGAE	System CAISO	14.9	optimization market	0.0
3/10/2018	PNCHEG_2_PL1X4_2	PGAE	System	150.6	optimization	0.0
3/10/2010	FNCHEG_Z_FETX4_Z	FOAL	CAISO	130.0	market	0.0
3/10/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization	0.0
	· · · · · · · · · · · · · · · · · · ·		CAISO		market	
3/10/2018	PNCHEG_2_PL1X4_4	PGAE	System	401.0	optimization	0.0
			Big			
			Creek-		market	
3/10/2018	RECTOR_2_KAWH 1	SCE	Ventura	1.5	optimization	0.0
0/44/0040	ANIALINA O OANIVALA		I A Davis	5.0	market	0.0
3/11/2018	ANAHM_2_CANYN4	ANHM	LA Basin	5.8	optimization	0.0
3/11/2018	ANZA 6 SOLAR1	SDGE		1.0	market	0.0
3/11/2016	ANZA_6_SOLAR I	SDGE		1.0	optimization market	0.0
3/11/2018	CALPSS 6 SOLAR1	SDGE		3.0	optimization	0.0
0/11/2010	6/12/ 66_6_6_6E/11(1	- ODOL	San	0.0	market	0.0
3/11/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
			- 9 -		market	
3/11/2018	GLNARM_7_UNIT 3	PASA	LA Basin	4.8	optimization	0.0
					market	
3/11/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
					market	
3/11/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.1	optimization	0.0
0/44/0040	LILIMADOD C LINUTE O	DCAE	L luna la a lalt	4.4	market	0.0
3/11/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt CAISO	4.1	optimization market	0.0
3/11/2018	PNCHEG_2_PL1X4_4	PGAE	System	301.3	optimization	0.0
0/11/2010	11101120_2_1 2174_4	1 O/L	Cystem	001.0	market	0.0
3/11/2018	RVSIDE_2_RERCU4	RVSD	LA Basin	0.5	optimization	0.0
					market	
3/11/2018	WALCRK_2_CTG2	SCE	LA Basin	0.0	optimization	0.0
					market	
3/11/2018	YUBACT_6_UNITA1	PGAE	Sierra	22.1	optimization	0.0
0/40/0040	ANIALINA O OANIVALA		I A Davis	40.0	market	0.0
3/12/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.2	optimization	0.0
3/12/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
3/12/2010	ANZA_0_SOLANT	SDGL		1.0	market	0.0
3/12/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/12/2010	- C/ (L)	0000	San	0.0	market	0.0
3/12/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
			CAISO		market	
3/12/2018	COPMTN_2_CM10	SCE	System	0.1	optimization	0.0
					market	
3/12/2018	GLNARM_7_UNIT 3	PASA	LA Basin	4.8	optimization	0.0
0/40/2045	ODIDLY 0 001 45	DC 4 5	0		market	
3/12/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
			Area	RA		award
				MW		
					market	
3/12/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
0/40/0040	LILINADDD C LINUTO O	DOAF	l louse le el els	4.5	market	0.0
3/12/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	optimization	0.0
3/12/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
3/12/2010	110MB11_0_0M110_3	TOAL	Tidifibolat	0.0	market	0.0
3/12/2018	HUMBPP 6 UNITS 4	PGAE	Humboldt	9.1	optimization	0.0
			Big	_		
			Creek-		market	
3/12/2018	MOORPK_6_QF	SCE	Ventura	11.3	optimization	0.0
			CAISO		market	
3/12/2018	MSOLAR_2_SOLAR1	SDGE	System	2.1	optimization	0.0
0/40/0040	M001 AD 0 001 AD0	0005	CAISO	0.7	market	0.0
3/12/2018	MSOLAR_2_SOLAR3	SDGE	System	9.7	optimization	0.0
3/12/2018	OLDBIV 6 LKVBM1	PGAE		0.9	market	0.0
3/12/2016	OLDRIV_6_LKVBM1	PGAE	San	0.9	optimization market	0.0
3/12/2018	PIOPIC_2_CTG1	SDGE	Diego-IV	7.8	optimization	0.0
0/12/2010	110110_2_0101	0000	San	7.0	market	0.0
3/12/2018	PIOPIC_2_CTG2	SDGE	Diego-IV	9.3	optimization	0.0
			San		market	
3/12/2018	PIOPIC_2_CTG3	SDGE	Diego-IV	8.6	optimization	0.0
			CAISO		market	
3/12/2018	PNCHEG_2_PL1X4_3	PGAE	System	226.0	optimization	0.0
					market	
3/13/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
0/40/0040	041 000 0 001 404	0005		0.0	market	0.0
3/13/2018	CALPSS_6_SOLAR1	SDGE	Con	3.0	optimization	0.0
3/13/2018	CNTNLA_2_SOLAR1	SDGE	San Diego-IV	4.0	market optimization	0.0
3/13/2010	CNTNLA_2_SOLANT	JUGE	San	4.0	market	0.0
3/13/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	6.2	optimization	0.0
0,10,2010			CAISO	0.2	market	0.0
3/13/2018	COPMTN_2_CM10	SCE	System	0.1	optimization	0.0
			-		market	
3/13/2018	FROGTN_1_UTICAA	PGAE	Stockton	1.0	optimization	0.0
					market	
3/13/2018	GLNARM_7_UNIT 3	PASA	LA Basin	19.6	optimization	0.0
2/42/2040	CDIDLY C COLAR	DOAE	Ciarra	0.4	market	0.0
3/13/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
3/13/2018	HUMBPP 6 UNITS 2	PGAE	Humboldt	4.5	market optimization	4.5
3/13/2010	TIOMBFF_0_OINTI3_2	FUAL	Tidifibolat	4.5	market	4.5
3/13/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization	0.0
2, 12, 23 10		1. 3,	San	0.0	market	0.0
3/13/2018	IVSLRP_2_SOLAR1	SDGE	Diego-IV	1.5	optimization	0.0
					market	
3/13/2018	MIRLOM_6_PEAKER	SCE	LA Basin	1.1	optimization	0.0
					market	
3/13/2018	OLDRIV_6_LKVBM1	PGAE		1.0	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
			Area	RA		award
				MW		
					market	
3/13/2018	OXMTN_6_LNDFIL	PGAE	Bay Area	6.6	optimization	0.0
			San		market	
3/13/2018	PIOPIC_2_CTG2	SDGE	Diego-IV	9.3	optimization	0.0
0/40/0040	DIODIO 0 0700	0005	San		market	
3/13/2018	PIOPIC_2_CTG3	SDGE	Diego-IV	8.2	optimization	0.0
3/13/2018	DNOUEC 2 DIAVA 4	DOAE	CAISO	400.0	market	0.0
3/13/2016	PNCHEG_2_PL1X4_1	PGAE	System CAISO	102.0	optimization market	0.0
3/13/2018	PNCHEG_2_PL1X4_2	PGAE	System	90.9	optimization	0.0
3/13/2010	FNOTILG_Z_FETX4_Z	FUAL	CAISO	30.3	market	0.0
3/13/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization	0.0
0/10/2010	11101120_2_1 2174_0	1 O/ L	CAISO	000.0	market	0.0
3/13/2018	SANLOB 1 LNDFIL	PGAE	System	1.5	optimization	0.0
0,10,2010		1 0/12	Big			0.0
			Creek-		market	
3/13/2018	SNCLRA_2_HOWLNG	SCE	Ventura	1.9	optimization	0.0
					market	
3/13/2018	UKIAH_7_LAKEMN	NCPA	NCNB	0.1	optimization	0.0
					market	
3/14/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
					market	
3/14/2018	BNNIEN_7_ALTAPH	PGAE	Sierra	0.2	optimization	0.0
0/44/0040	DIJOKOK O LIVEDO	DO A E	0:	0.0	market	0.0
3/14/2018	BUCKCK_2_HYDRO	PGAE	Sierra	0.3	optimization	0.0
2/14/2019	CALBEE & SOLAB1	SDGE		2.0	market	0.0
3/14/2018	CALPSS_6_SOLAR1	SDGE	San	3.0	optimization market	0.0
3/14/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
3/14/2010	CIVINEA_2_SOLAR2	JUGE	CAISO	3.0	market	0.0
3/14/2018	COPMTN 2 CM10	SCE	System	0.1	optimization	0.0
0,11,2010				0	market	0.0
3/14/2018	DEERCR_6_UNIT 1	PGAE	Sierra	1.4	optimization	0.0
					market	
3/14/2018	GLNARM_7_UNIT 3	PASA	LA Basin	4.8	optimization	0.0
					market	
3/14/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.3	optimization	0.0
- / / / / / -					market	
3/14/2018	HAYPRS_6_QFUNTS	PGAE	Sierra	0.3	optimization	0.0
0/4/4/0040	LILINADDD 4 LINUTOS S	DO A E	11	4.5	market	0.0
3/14/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
3/14/2018	MSOLAR 2 SOLAR1	SDGE	CAISO System	1.3	market optimization	0.0
3/14/2016	WSOLAR_2_SOLART	SDGE	System	1.3	market	0.0
3/14/2018	OLDRIV_6_LKVBM1	PGAE		1.0	optimization	0.0
5/17/2010	OLDINIV_O_LINV DIVIT	, OAL		1.0	market	0.0
3/14/2018	PADUA_2_ONTARO	SCE	LA Basin	0.9	optimization	0.0
5 2010			CAISO	0.0	market	0.0
3/14/2018	PNCHEG_2_PL1X4_1	PGAE	System	75.3	optimization	0.0
			CAISO		market	
3/14/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	Resource	ODC	Area	RA	Reason	award
			71100	MW		awara
					market	
3/15/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
					market	
3/15/2018	BUCKCK_7_OAKFLT	PGAE	Sierra	0.5	optimization	0.0
					market	
3/15/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/45/0040	ONITALLA O OOLADO	0005	San	5 0	market	0.0
3/15/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV CAISO	5.0	optimization	0.0
3/15/2018	COPMTN_2_CM10	SCE	System	0.1	market optimization	0.0
3/13/2010	COT WITH_2_CWT0	JOL	CAISO	0.1	market	0.0
3/15/2018	CORRAL_6_SJOAQN	PGAE	System	0.0	optimization	0.0
0,10,2010			CAISO	0.0	market	0.0
3/15/2018	ESQUON_6_LNDFIL	PGAE	System	2.1	optimization	0.0
					market	
3/15/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
					market	
3/15/2018	HAYPRS_6_QFUNTS	PGAE	Sierra	0.4	optimization	0.0
0/45/0040	LILIMADDD 4 LINITOS O	DOAF	I loves be a lak	4.5	market	0.0
3/15/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
3/15/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	5.9	market optimization	0.0
3/13/2016	TIOMBEE_I_ONIT33_3	FGAL	CAISO	5.9	market	0.0
3/15/2018	HYTTHM_2_UNITS	CWRP	System	130.0	optimization	0.0
0,10,2010			CAISO		market	0.0
3/15/2018	MSOLAR_2_SOLAR1	SDGE	System	1.3	optimization	0.0
			CAISO		market	
3/15/2018	MSOLAR_2_SOLAR3	SDGE	System	10.4	optimization	0.0
_ , ,					market	
3/15/2018	OLDRIV_6_LKVBM1	PGAE	0.4100	0.9	optimization	0.0
2/45/2049	DNOUEC 2 DLAVA 4	DCAE	CAISO	75.0	market	0.0
3/15/2018	PNCHEG_2_PL1X4_1	PGAE	System CAISO	75.3	optimization market	0.0
3/15/2018	PNCHEG 2 PL1X4 2	PGAE	System	90.9	optimization	0.0
0/10/2010	11101120_2_1 2174_2	1 O/ L	CAISO	50.5	market	0.0
3/15/2018	PNCHEG_2_PL1X4_3	PGAE	System	156.0	optimization	0.0
			CAISO		market	
3/15/2018	SANLOB_1_LNDFIL	PGAE	System	1.5	optimization	0.0
			CAISO		market	
3/15/2018	VACADX_1_UNITA1_1X1	PGAE	System	1.0	optimization	0.0
0/40/0040	ANIALINA O CANIXALA	A N II IN 4	I A Danin	40.0	market	0.0
3/16/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.2	optimization	0.0
3/16/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
3/10/2010	/ NAZA_O_OCEAN	JOOL	CAISO	1.0	market	0.0
3/16/2018	BUCKBL_2_PL1X3_C4	SCE	System	146.3	optimization	0.0
			CAISO		market	
3/16/2018	BUCKBL_2_PL1X3_C5	SCE	System	0.5	optimization	0.0
					market	
3/16/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/40/2015	ONTNU A O COL 150	0005	San		market	
3/16/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
			Area	RA MW		award
			CAISO		market	
3/16/2018	COPMTN_2_CM10	SCE	System	0.1	optimization	0.0
				_	market	
3/16/2018	DUTCH1_7_UNIT 1	PGAE	Sierra	18.0	optimization	0.0
	GLNARM_2_UNIT				market	
3/16/2018	5_CONFIG_1	PASA	LA Basin	3.3	optimization	0.0
					market	
3/16/2018	GLNARM_7_UNIT 3	PASA	LA Basin	12.8	optimization	0.0
					market	
3/16/2018	GLNARM_7_UNIT 4	PASA	LA Basin	19.7	optimization	0.0
					market	
3/16/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
					market	
3/16/2018	HAYPRS_6_QFUNTS	PGAE	Sierra	0.6	optimization	0.0
					market	
3/16/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
					market	
3/16/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	4.5
	_				market	
3/16/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	4.5	optimization	0.0
					market	
3/16/2018	OLDRIV_6_LKVBM1	PGAE	_	1.0	optimization	0.0
			San		market	
3/16/2018	PIOPIC_2_CTG1	SDGE	Diego-IV	8.4	optimization	0.0
0/40/0040	DIODIO O OTOO	25.05	San		market	
3/16/2018	PIOPIC_2_CTG2	SDGE	Diego-IV	9.3	optimization	0.0
0/40/0040	DIODIO O OTOO	0005	San	0.0	market	0.0
3/16/2018	PIOPIC_2_CTG3	SDGE	Diego-IV	9.3	optimization	0.0
2/40/2040	DNCLIEC 2 DLAVA 2	DCAE	CAISO	200.0	market	0.0
3/16/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization	0.0
3/16/2018	RVSIDE_2_RERCU3	RVSD	LA Basin	0.5	market optimization	0.0
3/10/2016	KVSIDE_Z_KERCUS	KVSD	LA Dasili	0.5	market	0.0
3/16/2018	RVSIDE 2 RERCU4	RVSD	LA Basin	0.5	optimization	0.0
3/10/2010	IVOIDE_Z_IVEIVOO4	INVOD	CAISO	0.5	market	0.0
3/16/2018	WSENGY_1_UNIT 1	PGAE	System	22.0	optimization	0.0
0/10/2010	W62N61_1_6N111	1 0/12	Cycloni	22.0	market	0.0
3/17/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
3,11,2010	,		CAISO		market	0.0
3/17/2018	BUCKBL_2_PL1X3_C4	SCE	System	86.3	optimization	0.0
			CAISO		market	
3/17/2018	BUCKBL_2_PL1X3_C5	SCE	System	20.6	optimization	0.0
					market	
3/17/2018	CALPSS_6_SOLAR1	SDGE	<u> </u>	3.0	optimization	0.0
			San		market	
3/17/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
			CAISO		market	
3/17/2018	COLUSA_2_PL1X3_1X1	PGAE	System	19.3	optimization	0.0
			CAISO		market	
3/17/2018	COPMT4_2_SOLAR4	SCE	System	0.1	optimization	0.0
			CAISO		market	
3/17/2018	COPMTN_2_CM10	SCE	System	0.1	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	Resource	ODC	Area	RA	Reason	award
			71100	MW		awara
			CAISO		market	
3/17/2018	CSTRVL_7_PL1X2	PGAE	System	1.2	optimization	0.0
			CAISO		market	
3/17/2018	CSTRVL_7_QFUNTS	PGAE	System	0.1	optimization	0.0
					market	
3/17/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
0/47/0040	LUINARRE A LINUTOS S	5045		4 -	market	4 -
3/17/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	4.5
3/17/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	3.5	market optimization	0.0
3/11/2010	HOWBEF_0_ONTIS_2	FGAL	Humbolut	3.5	market	0.0
3/17/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization	0.0
0/11/2010	110111211 <u>-0_</u> 011110_0	1 0/12	Tidilibolat	0.0	market	0.0
3/17/2018	LODIEC_2_PL1X2	PGAE	Sierra	124.1	optimization	0.0
			CAISO		market	
3/17/2018	MSOLAR_2_SOLAR1	SDGE	System	2.7	optimization	0.0
					market	
3/17/2018	OLDRIV_6_LKVBM1	PGAE		0.9	optimization	0.0
			CAISO		market	
3/17/2018	PARDEB_6_UNITS	PGAE	System	14.9	optimization	0.0
0/47/0040	DNOUEC O DLAVA O	DOAE	CAISO	200.0	market	0.0
3/17/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization market	0.0
3/17/2018	RVSIDE 2 RERCU3	RVSD	LA Basin	0.5	optimization	0.0
3/11/2010	ICVOIDE_Z_ICEICOOS	IXVOD	LA Dasin	0.5	market	0.0
3/17/2018	RVSIDE_2_RERCU4	RVSD	LA Basin	0.5	optimization	0.0
					market	
3/18/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.2	optimization	0.0
					market	
3/18/2018	ANZA_6_SOLAR1	SDGE		1.7	optimization	0.0
			CAISO		market	
3/18/2018	BUCKBL_2_PL1X3_C4	SCE	System	120.6	optimization	0.0
0/40/0040	CALDES C COLADA	CDCE		2.0	market	0.0
3/18/2018	CALPSS_6_SOLAR1	SDGE	San	3.0	optimization market	0.0
3/18/2018	CNTNLA 2 SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
3/10/2010	ONTINEA_2_OOLAN2	ODGL	CAISO	0.0	market	0.0
3/18/2018	COLUSA_2_PL1X3_1X1DF	PGAE	System	8.5	optimization	0.0
			CAISO		market	
3/18/2018	COPMTN_2_CM10	SCE	System	0.1	optimization	0.0
			CAISO		market	
3/18/2018	GRNVLY_7_SCLAND	PGAE	System	0.9	optimization	0.0
0/40/0040		50.5			market	
3/18/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
2/10/2010	LILIMBDD 4 LINITS2 2	PGAE	Lumbaldt	6.0	market	0.0
3/18/2018	HUMBPP_1_UNITS3_3	FUAL	Humboldt CAISO	6.8	optimization market	0.0
3/18/2018	MSOLAR_2_SOLAR1	SDGE	System	3.5	optimization	0.0
5, 10,2010		5555	2,3(3)11	0.0	market	3.0
3/18/2018	OLDRIV_6_LKVBM1	PGAE		0.9	optimization	0.0
			CAISO		market	
3/18/2018	PARDEB_6_UNITS	PGAE	System	14.9	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
	. 1000000		Area	RA		award
				MW		
			CAISO		market	
3/18/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization	0.0
0/40/0040	CANILOD 4 INDEIL	DOAE	CAISO	4.5	market	0.0
3/18/2018	SANLOB_1_LNDFIL	PGAE	System	1.5	optimization	0.0
3/19/2018	ALAMIT_7_UNIT 1	SCE	LA Basin	5.4	market optimization	0.0
3/19/2010	ALAWIT_I_UNIT I	JOL	LA Dasili	3.4	market	0.0
3/19/2018	ANAHM 2 CANYN4	ANHM	LA Basin	12.2	optimization	0.0
					market	
3/19/2018	ANZA_6_SOLAR1	SDGE		1.4	optimization	0.0
					market	
3/19/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/40/0040	CNITNII A O COLADO	CDCE	San	50	market	0.0
3/19/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV CAISO	5.0	optimization market	0.0
3/19/2018	COPMTN 2 CM10	SCE	System	0.1	optimization	0.0
3/13/2010	001 W111_2_0W10	OOL	Cystem	0.1	market	0.0
3/19/2018	FMEADO 6 HELLHL	PGAE	Sierra	0.1	optimization	0.0
	<u> </u>				market	
3/19/2018	GLNARM_7_UNIT 3	PASA	LA Basin	19.6	optimization	0.0
					market	
3/19/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.2	optimization	0.0
2/10/2019	LILIMDDD 4 LINITCO O	DCAE	Llumbaldt	1.5	market	0.0
3/19/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization market	0.0
3/19/2018	HUMBPP 1 UNITS3 3	PGAE	Humboldt	6.8	optimization	0.0
6/16/2010		. 0/12	- Trainistrat	0.0	market	0.0
3/19/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	optimization	0.0
					market	
3/19/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	5.0	optimization	0.0
0/40/0040	KEDIKIO 7 LINIT 4	DOAE		50	market	0.0
3/19/2018	KERKH2_7_UNIT 1	PGAE	Fresno	5.0	optimization market	0.0
3/19/2018	MIRLOM_6_PEAKER	SCE	LA Basin	1.1	optimization	0.0
0/10/2010	MINTEGNI <u></u>		Big	1	optimization	0.0
			Creek-		market	
3/19/2018	MOORPK_6_QF	SCE	Ventura	11.3	optimization	0.0
			CAISO		market	
3/19/2018	MSOLAR_2_SOLAR1	SDGE	System	6.5	optimization	0.0
3/19/2018	OLDRIV 6 LKVBM1	PGAE		0.9	market	0.0
3/18/2018	OLDKIV_0_LKVBWI	FGAE	CAISO	0.9	optimization market	0.0
3/19/2018	PNCHEG 2 PL1X4 2	PGAE	System	204.0	optimization	0.0
2	<u></u>	1 3, 1	CAISO		market	0.0
3/19/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization	0.0
			CAISO		market	
3/19/2018	SANLOB_1_LNDFIL	PGAE	System	1.5	optimization	0.0
2/20/2040	ANIALIM O CANDANA	A N II I I N A	I A Darin	40.0	market	0.0
3/20/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.2	optimization market	0.0
3/20/2018	ANZA_6_SOLAR1	SDGE		1.8	optimization	0.0
5/20/2010	ANALA_U_UULANNI	LODOL	<u> </u>	1.0	opumzauon	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
			Area	RA MW		award
				IVIVV	wa a wi ca t	
3/20/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
			San		market	
3/20/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
			CAISO		market	
3/20/2018	COPMT4_2_SOLAR4	SCE	System	6.5	optimization	0.0
					market	
3/20/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
					market	
3/20/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
					market	
3/20/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	10.4	optimization	0.0
					market	
3/20/2018	HUMBPP_1_UNITS3_4	PGAE	Humboldt	9.1	optimization	0.0
		1			market	
3/20/2018	MIRLOM_6_PEAKER	SCE	LA Basin	1.1	optimization	0.0
			CAISO		market	
3/20/2018	MSOLAR_2_SOLAR1	SDGE	System	8.0	optimization	0.0
			CAISO		market	
3/20/2018	OILFLD_7_QFUNTS	PGAE	System	2.8	optimization	0.0
			San		market	
3/20/2018	PIOPIC_2_CTG1	SDGE	Diego-IV	0.4	optimization	0.0
			CAISO		market	
3/20/2018	PNCHEG_2_PL1X4_3	PGAE	System	306.0	optimization	0.0
			CAISO		market	
3/20/2018	SANLOB_1_LNDFIL	PGAE	System	1.5	optimization	0.0
					market	
3/20/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	optimization	0.0
			1		market	
3/21/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.2	optimization	0.0
					market	
3/21/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
0/04/0040	0.1.500 0.001.51	0005			market	
3/21/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/04/0040	0.17.11 4 0 001 4.50	0005	San		market	0.0
3/21/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
2/24/2040	CODMT4 2 COLAD4	COF	CAISO		market	0.0
3/21/2018	COPMT4_2_SOLAR4	SCE	System	6.3	optimization	0.0
2/24/2040	CDELMAN C DAMCDO	CDCE		2.0	market	0.0
3/21/2018	CRELMN_6_RAMSR3	SDGE	0	3.8	optimization	0.0
2/24/2040	ENGINA 7 EAG	CDCE	San	20.0	market	0.0
3/21/2018	ENCINA_7_EA2	SDGE	Diego-IV	20.0	optimization	0.0
3/21/2018	GANSO_1_WSTBM1	PGAE		0.4	market optimization	0.0
3/21/2010	GANSO_I_WSTDWII	FGAE		0.4	•	0.0
3/21/2018	GLNARM 7 UNIT 3	PASA	LA Basin	13.7	market optimization	0.0
3/21/2010	CLIVARINI_I_UIVII 3	1 707	בת שמאווו	13.1	market	0.0
3/21/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
3/21/2010	GRIDET_0_GOLAR	I GAE	Jiena	U. I	market	0.0
3/21/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
5/21/2010	1.01vibi i _ i _ 01vi i 00_2	IOAL	Tidilibolat	7.0	market	0.0
3/21/2018	HUMBPP 1 UNITS3 2	PGAE	Humboldt	4.5	optimization	4.5
3/21/2010	1101VIDI 1 _ 1_01VI1 00_2	I JAL	Litaribolat	7.5	οριππεαιίσπ	7.5

Date	Resource	UDC	Local	Non	Reason	RUC
Dato	rtooouroo		Area	RA	rtoacon	award
				MW		
0/04/0040	LILIMDDD 4 LINITO2 2	DOAF	I I was be a last	0.0	market	0.0
3/21/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	optimization market	0.0
3/21/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	3.6	optimization	0.0
0,2.,20.0				0.0	market	0.0
3/21/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization	0.0
					market	
3/21/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	13.2	optimization	0.0
3/21/2018	LILIMADO & LINITO E	PGAE	Humboldt	11 1	market	0.0
3/21/2010	HUMBPP_6_UNITS_5	PGAE	Humbolat	11.4	optimization market	0.0
3/21/2018	KERKH2 7 UNIT 1	PGAE	Fresno	35.0	optimization	0.0
5,=1,=5.5					market	
3/21/2018	MIRLOM_2_LNDFL	SCE	LA Basin	0.7	optimization	0.0
					market	
3/21/2018	MIRLOM_6_PEAKER	SCE	LA Basin	1.1	optimization	0.0
3/21/2018	MSOLAR 2 SOLAR1	SDGE	CAISO System	131.8	market optimization	0.0
3/21/2016	WSOLAR_Z_SOLART	SDGE	CAISO	131.0	market	0.0
3/21/2018	MSOLAR 2 SOLAR3	SDGE	System	112.2	optimization	0.0
			San		market	
3/21/2018	PIOPIC_2_CTG1	SDGE	Diego-IV	3.3	optimization	0.0
0/04/0040	DIODIO O OTOS	0005	San	- 4	market	0.0
3/21/2018	PIOPIC_2_CTG2	SDGE	Diego-IV San	5.4	optimization market	0.0
3/21/2018	PIOPIC_2_CTG3	SDGE	Diego-IV	5.1	optimization	0.0
0/21/2010	110110_2_0100	UDUL	CAISO	0.1	market	0.0
3/21/2018	PNCHEG_2_PL1X4_2	PGAE	System	204.0	optimization	0.0
			CAISO		market	
3/21/2018	PNCHEG_2_PL1X4_3	PGAE	System	136.3	optimization	0.0
3/21/2018	VACADY 1 LINITA1 1V1	PGAE	CAISO	1.0	market	0.0
3/21/2016	VACADX_1_UNITA1_1X1	PGAE	System	1.0	optimization market	0.0
3/22/2018	ANZA 6 SOLAR1	SDGE		1.0	optimization	0.0
5,22,25					market	
3/22/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/00/0040	0.17.11.4.0.001.450	0005	San		market	
3/22/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
3/22/2018	FORKBU_6_UNIT	PGAE	CAISO System	5.4	market optimization	0.0
3/22/2010	T OTTION	TOAL	Oystem	3.4	market	0.0
3/22/2018	GANSO 1 WSTBM1	PGAE		0.9	optimization	0.0
					market	
3/22/2018	GLNARM_7_UNIT 1	PASA	LA Basin	22.1	optimization	0.0
0/00/0040	CLNADM 7 LINUT 0	DAGA	I A Darin	4.0	market	0.0
3/22/2018	GLNARM_7_UNIT 3	PASA	LA Basin	4.3	optimization market	0.0
3/22/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
5,22,2010	J. 11521_0_00L/111	. 0, 1	J.3114	<u> </u>	market	3.0
3/22/2018	HAYPRS_6_QFUNTS	PGAE	Sierra	0.4	optimization	0.0
					market	
3/22/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	Resource	ODC	Area	RA	Reason	award
				MW		
	_				market	
3/22/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	10.4	optimization	0.0
2/22/2040	LILIMDDD 4 LINITCO 4	DCAE	l luna la al alt		market	0.0
3/22/2018	HUMBPP_1_UNITS3_4	PGAE	Humboldt	6.2	optimization market	0.0
3/22/2018	KERKH2 7 UNIT 1	PGAE	Fresno	21.0	optimization	0.0
0/22/2010	TERRIZ_1_ORIT 1	1 O/ L	CAISO	21.0	market	0.0
3/22/2018	MSOLAR_2_SOLAR1	SDGE	System	4.0	optimization	0.0
					market	
3/22/2018	OLDRIV_6_LKVBM1	PGAE		1.0	optimization	0.0
0/00/0040	DUOENIN A LINUT	DO 4 E	0. 1.		market	0.0
3/22/2018	PHOENX_1_UNIT	PGAE	Stockton San	0.2	optimization market	0.0
3/22/2018	PIOPIC 2 CTG3	SDGE	Diego-IV	5.0	optimization	0.0
0/22/2010	110110_2_0100	ODOL	CAISO	0.0	market	0.0
3/22/2018	PNCHEG_2_PL1X4_1	PGAE	System	52.0	optimization	0.0
			CAISO		market	
3/22/2018	PNCHEG_2_PL1X4_4	PGAE	System	301.3	optimization	0.0
			Big			
3/22/2018	RECTOR 2 KAWEAH	SCE	Creek- Ventura	2.0	market optimization	0.0
3/22/2010	RECTOR_2_KAWEAH	SUE	CAISO	2.0	market	0.0
3/22/2018	SANLOB 1 LNDFIL	PGAE	System	1.5	optimization	0.0
					market	
3/23/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
					market	
3/23/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
2/22/2010	CNITNII A 2 COLAD2	SDGE	San	F 0	market optimization	0.0
3/23/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV CAISO	5.0	market	0.0
3/23/2018	COPMT4_2_SOLAR4	SCE	System	11.3	optimization	0.0
					market	
3/23/2018	GLNARM_7_UNIT 3	PASA	LA Basin	9.7	optimization	0.0
					market	
3/23/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.2	optimization	0.0
3/23/2018	HUMBPP 1 UNITS3 2	PGAE	Humboldt	4.5	market optimization	0.0
3/23/2010	110101011_1_0111103_2	TOAL	Big	7.0	optimization	0.0
			Creek-		market	
3/23/2018	KERRGN_1_UNIT 1	SCE	Ventura	7.8	optimization	0.0
			CAISO		market	
3/23/2018	MSOLAR_2_SOLAR1	SDGE	System	6.7	optimization	0.0
3/23/2018	OLDRIV_6_LKVBM1	PGAE		0.9	market optimization	0.0
3/23/2010	OLDINIV_O_LINVDIVII	1 OAL		0.9	market	0.0
3/23/2018	PHOENX_1_UNIT	PGAE	Stockton	0.7	optimization	0.0
			San		market	
3/23/2018	PIOPIC_2_CTG2	SDGE	Diego-IV	5.3	optimization	0.0
0/00/0040	DIODIO O OTOS	0005	San		market	2.2
3/23/2018	PIOPIC_2_CTG3	SDGE	Diego-IV CAISO	5.0	optimization market	0.0
3/23/2018	PNCHEG_2_PL1X4_2	PGAE	System	90.9	optimization	0.0
3/23/2010	1 14011LU_Z_FL1A4_Z	I GAL	Oysicili	90.9	Optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	110000100	020	Area	RA	11000011	award
				MW		
			CAISO		market	
3/23/2018	PNCHEG_2_PL1X4_4	PGAE	System	301.3	optimization	0.0
					market	
3/23/2018	TRNQLT_2_SOLAR	PGAE	Fresno	113.9	optimization	0.0
			CAISO		market	
3/23/2018	WADHAM_6_UNIT	PGAE	System	22.5	optimization	0.0
			Big			
			Creek-		market	
3/24/2018	ALAMO_6_UNIT	CWRS	Ventura	3.0	optimization	0.0
					market	
3/24/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
					market	
3/24/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/04/0040	0.17.11.4.6.001.45.6	0000	San		market	
3/24/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
			CAISO		market	
3/24/2018	COPMT4_2_SOLAR4	SCE	System	6.5	optimization	0.0
0/04/0040	007004 0 1110511	5045	NONE	0.0	market	0.0
3/24/2018	CSTOGA_6_LNDFIL	PGAE	NCNB	0.6	optimization	0.0
0/04/0040	GLNARM_2_UNIT	D404	I A Davis	0.0	market	0.0
3/24/2018	5_CONFIG_1	PASA	LA Basin	3.3	optimization	0.0
0/04/0040	CLNIADNA Z LINIT O	DAGA	I A Danin		market	0.0
3/24/2018	GLNARM_7_UNIT 3	PASA	LA Basin	5.3	optimization	0.0
2/24/2019	CDIDLY 6 SOLAD	DCAE	Ciorro	0.4	market	0.0
3/24/2018	GRIDLY_6_SOLAR	PGAE	Sierra CAISO	0.1	optimization market	0.0
3/24/2018	CBNVLV 7 SCLAND	PGAE		0.9	optimization	0.0
3/24/2010	GRNVLY_7_SCLAND	PGAL	System	0.9	market	0.0
3/24/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.2	optimization	0.0
3/24/2010	TIOMBEE_1_OINT133_2	FGAL	Humbolut	4.2	market	0.0
3/24/2018	HUMBPP 6 UNITS 2	PGAE	Humboldt	4.0	optimization	0.0
3/24/2010	110MB11_0_0N110_2	TOAL	CAISO	7.0	market	0.0
3/24/2018	MSOLAR_2_SOLAR1	SDGE	System	4.3	optimization	0.0
0/24/2010	WOOL/ W	ODGE	CAISO	7.0	market	0.0
3/24/2018	PNCHEG_2_PL1X4_2	PGAE	System	90.9	optimization	0.0
0,21,2010		1 0, 12	CAISO	00.0	market	0.0
3/24/2018	PNCHEG 2 PL1X4 3	PGAE	System	136.3	optimization	0.0
0, = , = 0, 10			CAISO		market	
3/24/2018	PNCHEG 2 PL1X4 4	PGAE	System	301.3	optimization	0.0
			- ,		market	
3/24/2018	TRNQLT 2 SOLAR	PGAE	Fresno	8.2	optimization	0.0
			CAISO		market	
3/24/2018	WADHAM_6_UNIT	PGAE	System	22.0	optimization	0.0
	_		San		market	
3/25/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
			CAISO		market	
3/25/2018	COPMT4_2_SOLAR4	SCE	System	69.9	optimization	0.0
					market	
3/25/2018	DEADCK_1_UNIT	PGAE	Sierra	0.6	optimization	0.0
					market	
3/25/2018	GIFENS_6_BUGSL1	PGAE	Fresno	0.7	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
			Area	RA		award
				MW		
					market	
3/25/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
					market	
3/25/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	3.4	optimization	0.0
			CAISO		market	
3/25/2018	MSOLAR_2_SOLAR1	SDGE	System	15.4	optimization	0.0
					market	
3/25/2018	OLDRIV_6_LKVBM1	PGAE		0.5	optimization	0.0
0/05/0040	BNOUES S BLAVA S	DO 4 E	CAISO	400.0	market	0.0
3/25/2018	PNCHEG_2_PL1X4_3	PGAE	System	136.3	optimization	0.0
0/05/0040	DNOUES S DLAVA A	DOAE	CAISO	404.7	market	0.0
3/25/2018	PNCHEG_2_PL1X4_4	PGAE	System	181.7	optimization	0.0
2/25/2019	TRNOLT 2 COLAR	PGAE	France	105.0	market	0.0
3/25/2018	TRNQLT_2_SOLAR	PGAE	Fresno CAISO	125.3	optimization	0.0
3/25/2018	WADHAM_6_UNIT	PGAE	System	22.5	market optimization	0.0
3/23/2016	WADHAW_6_UNT	PGAE	System	22.5	market	0.0
3/26/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.2	optimization	0.0
3/20/2010	ANATIW_Z_CANTINA	AINI IIVI	LA Dasiii	12.2	market	0.0
3/26/2018	ANZA_6_SOLAR1	SDGE		1.0	optimization	0.0
0/20/2010	74427 (_0_00274141	ODOL		1.0	market	0.0
3/26/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0,20,20.0			San	0.0	market	0.0
3/26/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
			CAISO		market	
3/26/2018	COLUSA_2_PL1X3_1X1	PGAE	System	38.2	optimization	0.0
			CAISO		market	
3/26/2018	COPMT4_2_SOLAR4	SCE	System	58.6	optimization	0.0
					market	
3/26/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
					market	
3/26/2018	GRNLF2_1_UNIT	PGAE	Sierra	25.3	optimization	0.0
					market	
3/26/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
0/00/0040		DO 4 E		0.0	market	0.0
3/26/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	optimization	0.0
2/26/2019	KERKH2 7 UNIT 1	PGAE	Fresno	48.2	market	0.0
3/26/2018	KERKHZ_/_UNII I	PGAE		40.2	optimization	0.0
			Big Creek-		market	
3/26/2018	MOORPK_6_QF	SCE	Ventura	11.3	optimization	0.0
5/20/2010	MOOKI K_O_QI	JOL	CAISO	11.5	market	0.0
3/26/2018	MSOLAR_2_SOLAR1	SDGE	System	9.5	optimization	0.0
5.25.25.6		1202	2,0.0	0.0	market	0.0
3/26/2018	OLDRIV_6_LKVBM1	PGAE		0.9	optimization	0.0
			San		market	
3/26/2018	PIOPIC_2_CTG3	SDGE	Diego-IV	5.1	optimization	0.0
			CAISO		market	
3/26/2018	PNCHEG_2_PL1X4_3	PGAE	System	136.3	optimization	0.0
			CAISO		market	
3/26/2018	PNCHEG_2_PL1X4_4	PGAE	System	181.7	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
Date	Resource	UDC	Area	RA	Reason	award
			Alea	MW		awaiu
			Big	10100		
			Creek-		market	
3/26/2018	RECTOR 2 KAWEAH	SCE	Ventura	2.5	optimization	0.0
			Big		'	
			Creek-		market	
3/26/2018	RECTOR_2_KAWH 1	SCE	Ventura	2.3	optimization	0.0
					market	
3/26/2018	TRNQLT_2_SOLAR	PGAE	Fresno	16.8	optimization	0.0
			CAISO		market	
3/26/2018	WADHAM_6_UNIT	PGAE	System	22.0	optimization	0.0
					market	
3/27/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.2	optimization	0.0
_ ,,_					market	
3/27/2018	ANZA_6_SOLAR1	SDGE		1.1	optimization	0.0
0/07/00/0	0.1.500 0.001.154	0005			market	
3/27/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0/07/0040	CNITNII A O COL ADO	0005	San	- n	market	0.0
3/27/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV CAISO	5.0	optimization	0.0
2/27/2010	COLUEA 2 DI 1V2 1V1	DCAE		24.0	market	0.0
3/27/2018	COLUSA_2_PL1X3_1X1	PGAE	System CAISO	34.9	optimization market	0.0
3/27/2018	COPMT4_2_SOLAR4	SCE	System	82.5	optimization	0.0
3/21/2010	COFWT4_Z_GOLAN4	JOL	San	02.5	market	0.0
3/27/2018	ENCINA_7_GT1	SDGE	Diego-IV	11.2	optimization	0.0
3/21/2010	ENORNA_1_OTT	ODOL	Dicgo IV	11.2	market	0.0
3/27/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	optimization	0.0
0/2//2010	<u> </u>	1 0/12	Ciona	0.1	market	0.0
3/27/2018	HALSEY_6_UNIT	PGAE	Sierra	2.3	optimization	0.0
9,2,1,2,1,2					market	
3/27/2018	HUMBPP 1 UNITS3 2	PGAE	Humboldt	4.5	optimization	0.0
					market	
3/27/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	optimization	0.0
					market	
3/27/2018	MIRLOM_6_PEAKER	SCE	LA Basin	1.1	optimization	0.0
			CAISO		market	
3/27/2018	MSOLAR_2_SOLAR1	SDGE	System	7.7	optimization	0.0
			_		market	
3/27/2018	MSTANG_2_SOLAR4	PGAE	Fresno	1.2	optimization	0.0
0/07/0040		DO 4 E		0.0	market	0.0
3/27/2018	OLDRIV_6_LKVBM1	PGAE	0.4100	0.9	optimization	0.0
2/27/2010	DNCHEC 2 DIAVA A	PGAE	CAISO	2047	market	0.0
3/27/2018	PNCHEG_2_PL1X4_4	PGAE	System	384.7	optimization	0.0
3/27/2018	SBERDO_6_MILLCK	SCE	LA Basin	1.7	market optimization	0.0
JIZI / ZU 10	GDENDO_0_WILLON	JOL	CAISO	1./	market	0.0
3/27/2018	TBLMTN_6_QF	PGAE	System	0.3	optimization	0.0
5,21,2010		. 5/1	Cycloin	0.0	market	0.0
3/28/2018	ANZA_6_SOLAR1	SDGE		1.6	optimization	0.0
	<u> </u>				market	
3/28/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
			San		market	
3/28/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0

Date	Resource	UDC	Local	Non	Reason	RUC
			Area	RA MW		award
			CAISO		market	
3/28/2018	COPMT4_2_SOLAR4	SCE	System	18.7	optimization	0.0
			San		market	
3/28/2018	ENCINA_7_GT1	SDGE	Diego-IV	11.2	optimization	0.0
					market	
3/28/2018	EXCLSG_1_SOLAR	PGAE	Fresno	23.8	optimization	0.0
					market	
3/28/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.2	optimization	0.0
					market	
3/28/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	12.1	optimization	0.0
					market	
3/28/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	optimization	0.0
					market	
3/28/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	optimization	0.0
0/00/00/0		005			market	
3/28/2018	MIRLOM_6_PEAKER	SCE	LA Basin	1.1	optimization	0.0
0/00/0040	MOTANIO O 001 AD 4	DO 4 E	_	0.0	market	0.0
3/28/2018	MSTANG_2_SOLAR4	PGAE	Fresno	2.3	optimization	0.0
2/20/2040	OLDDIV C. LIZVDM4	DCAE		0.0	market	0.0
3/28/2018	OLDRIV_6_LKVBM1	PGAE		0.9	optimization	0.0
2/20/2010	DAICES & SOLAB	PGAE	France	10.0	market	0.0
3/28/2018	PAIGES_6_SOLAR	PGAE	Fresno CAISO	10.0	optimization market	0.0
3/28/2018	PNCHEG_2_PL1X4_1	PGAE	System	52.0	optimization	0.0
3/20/2010	FNCHEG_Z_FLTX4_T	FGAL	CAISO	32.0	market	0.0
3/28/2018	PNCHEG_2_PL1X4_2	PGAE	System	204.0	optimization	0.0
3/20/2010	11101120_2_1 21/4_2	TOAL	CAISO	204.0	market	0.0
3/28/2018	PNCHEG_2_PL1X4_4	PGAE	System	335.7	optimization	0.0
0/20/2010	11101120_2_1 21111_1	1 0/12	Cycloni	000.7	market	0.0
3/28/2018	RVSIDE 2 RERCU3	RVSD	LA Basin	0.5	optimization	0.0
0,00,00		11110			market	0.10
3/28/2018	RVSIDE_2_RERCU4	RVSD	LA Basin	0.5	optimization	0.0
					market	
3/28/2018	SCHNDR_1_FIVPTS	PGAE	Fresno	7.0	optimization	0.0
					market	
3/28/2018	STROUD_6_SOLAR	PGAE	Fresno	10.0	optimization	0.0
					market	
3/28/2018	WALCRK_2_CTG2	SCE	LA Basin	0.0	optimization	0.0
					market	
3/28/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	optimization	0.0
0/00/0040	ALMEGT A LINUT O	NODA	_ ,		market	0.0
3/29/2018	ALMEGT_1_UNIT 2	NCPA	Bay Area	0.5	optimization	0.0
2/20/2019	ANZA 6 SOLAD1	CDCE		1 =	market	0.0
3/29/2018	ANZA_6_SOLAR1	SDGE		1.5	optimization	0.0
3/29/2018	CALPSS_6_SOLAR1	SDGE		2.0	market optimization	0.0
3/28/2010	CALFOO_U_OULART	SDGE	San	3.0	market	0.0
3/29/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
3/23/2010	ONTINEA_Z_OOLANZ	UDUL	CAISO	3.0	market	0.0
3/29/2018	COPMT4_2_SOLAR4	SCE	System	21.2	optimization	0.0
2.20.20.0					market	5.0
3/29/2018	DUTCH1_7_UNIT 1	PGAE	Sierra	10.0	optimization	0.0
5, 25, 2510	0	1 . 0, 1	u			<u> </u>

Date	Resource	UDC	Local	Non	Reason	RUC
Date	Resource	ODC	Area	RA	Reason	award
			700	MW		anara
					market	
3/29/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.2	optimization	0.0
					market	
3/29/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	optimization	0.0
3/29/2018	HUMBPP 1 UNITS3 3	PGAE	Humboldt	6.1	market optimization	0.0
3/29/2016	110MBFF_1_0N1133_3	FGAL	Humbolat	0.1	market	0.0
3/29/2018	MIRLOM_6_PEAKER	SCE	LA Basin	1.1	optimization	0.0
					market	
3/29/2018	MSTANG_2_SOLAR4	PGAE	Fresno	2.4	optimization	0.0
					market	
3/29/2018	OLDRIV_6_CESDBM	PGAE		0.9	optimization	0.0
3/29/2018	OLDRIV 6 LKVBM1	PGAE		1.0	market optimization	0.0
3/29/2016	OLDRIV_6_LKVBIVI1	PGAE	CAISO	1.0	market	0.0
3/29/2018	PNCHEG_2_PL1X4_1	PGAE	System	75.3	optimization	0.0
0,20,20.0		. 0,	CAISO	7 0.0	market	0.0
3/29/2018	PNCHEG_2_PL1X4_2	PGAE	System	150.6	optimization	0.0
			CAISO		market	
3/29/2018	PNCHEG_2_PL1X4_4	PGAE	System	351.0	optimization	0.0
2/20/204.0	ANIZA C COLADA	CDCE		4.0	market	0.0
3/30/2018	ANZA_6_SOLAR1	SDGE		1.9	optimization market	0.0
3/30/2018	CALPSS_6_SOLAR1	SDGE		3.0	optimization	0.0
0,00,20.0		1 32 32	San	0.0	market	0.0
3/30/2018	CNTNLA_2_SOLAR2	SDGE	Diego-IV	5.0	optimization	0.0
					market	
3/30/2018	GANSO_1_WSTBM1	PGAE		0.9	optimization	0.0
0/00/0040	OLNIADAA Z LINIT O	DAGA	I A Dasis	4.7	market	0.0
3/30/2018	GLNARM_7_UNIT 3	PASA	LA Basin	4.7	optimization market	0.0
3/30/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.2	optimization	0.0
0,00,20.0					market	0.0
3/30/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	5.7	optimization	0.0
					market	
3/30/2018	KERKH2_7_UNIT 1	PGAE	Fresno	64.8	optimization	0.0
3/30/2018	MIDLOM & DEAKER	SCE	I A Posin	1 1	market	0.0
3/30/2016	MIRLOM_6_PEAKER	SCE	LA Basin	1.1	optimization market	0.0
3/30/2018	MSTANG_2_SOLAR4	PGAE	Fresno	2.5	optimization	0.0
2.22,20.0		1 3, 1	CAISO		market	0.0
3/30/2018	PNCHEG_2_PL1X4_2	PGAE	System	150.6	optimization	0.0
			CAISO		market	_
3/30/2018	PNCHEG_2_PL1X4_4	PGAE	System	401.0	optimization	0.0
2/20/2040	DVSIDE 2 DEDCU2	DVCD	I A Bosin	0.5	market	0.0
3/30/2018	RVSIDE_2_RERCU3	RVSD	LA Basin	0.5	optimization market	0.0
3/30/2018	RVSIDE 2 RERCU4	RVSD	LA Basin	0.5	optimization	0.0
2. 30. 20. 10		155		5.0	market	3.0
3/30/2018	WALCRK_2_CTG2	SCE	LA Basin	0.0	optimization	0.0
					market	
3/31/2018	ANZA_6_SOLAR1	SDGE		1.8	optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
3/31/2018	BUCKBL_2_PL1X3_C4	SCE	CAISO System	385.1	market optimization	0.0
3/31/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
3/31/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
3/31/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.3	market optimization	0.0
3/31/2018	MIRLOM_6_PEAKER	SCE	LA Basin	1.1	market optimization	0.0
3/31/2018	MSTANG_2_SOLAR4	PGAE	Fresno	0.9	market optimization	0.0
3/31/2018	OLDRIV_6_LKVBM1	PGAE		1.0	market optimization	0.0
3/31/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	401.0	market optimization	0.0
3/31/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0