



Non Resource Adequacy Capacity Report

June 2018

TABLE OF CONTENTS

Introduction	3
The Content of the Non RA Capacity Report	3

LIST OF TABLES AND FIGURES

Table 1: Non RA Capacity in June 2018	5
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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 June 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 June 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 dispatch.

- 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 June 2018

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/1/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/1/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0
6/1/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.0	market optimization	0.6
6/1/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/1/2018	CHICPK_7_UNIT 1	PGAE	Sierra	0.9	market optimization	0.0
6/1/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/1/2018	CUMMNG_6_SUNCT1	SCE		1.5	market optimization	0.0
6/1/2018	GANSO_1_WSTBM1	PGAE		0.9	market optimization	0.0
6/1/2018	GARNET_2_HYDRO	SCE	LA Basin	0.6	market optimization	0.0
6/1/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.1	market optimization	0.0
6/1/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	market optimization	0.0
6/1/2018	PIT7_7_UNIT 2	PGAE	CAISO System	1.6	market optimization	0.0
6/1/2018	PNCHEG_2_PL1X4_1	PGAE	CAISO System	46.8	market optimization	0.0
6/1/2018	REDOND_7_UNIT 7_C2	SCE	LA Basin	82.3	market optimization	0.0
6/1/2018	SNDBAR_7_UNIT 1	PGAE	Stockton	16.0	market optimization	0.0
6/1/2018	TIDWTR_2_UNITS	PGAE	Bay Area	11.7	market optimization	0.0
6/1/2018	UNOCAL_1_UNITS	PGAE	Bay Area	0.7	market optimization	0.0
6/1/2018	WESTPT_2_UNIT	PGAE	CAISO System	14.0	market optimization	0.0
6/2/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/2/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/2/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/2/2018	GRNVLY_7_SCLAND	PGAE	CAISO System	0.3	market optimization	0.0
6/2/2018	PALOMR_2_PL1X3_2X1	SDGE	San Diego-IV	118.9	market optimization	0.0
6/2/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	8.8	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/2/2018	PNCHEG_2_PL1X4_1	PGAE	CAISO System	100.1	market optimization	0.0
6/2/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	204.0	market optimization	0.0
6/2/2018	SLUISP_2_UNITS	CWRP	CAISO System	193.0	market optimization	0.0
6/2/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
6/2/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
6/3/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/3/2018	BARRE_6_PEAKEK	SCE	LA Basin	47.0	market optimization	0.0
6/3/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
6/3/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/3/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/3/2018	FORKBU_6_UNIT	PGAE	CAISO System	0.9	market optimization	0.0
6/3/2018	MIRLOM_6_PEAKEK	SCE	LA Basin	46.0	market optimization	0.0
6/3/2018	PALOMR_2_PL1X3_2X1	SDGE	San Diego-IV	133.5	market optimization	133.5
6/3/2018	PNCHEG_2_PL1X4_1	PGAE	CAISO System	98.0	market optimization	0.0
6/3/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	203.3	market optimization	0.0
6/3/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	372.7	market optimization	0.0
6/3/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
6/3/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
6/3/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
6/3/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
6/3/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
6/4/2018	ANAHM_2_CANYN4	ANHM	LA Basin	6.0	market optimization	0.0
6/4/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/4/2018	BARRE_6_PEAKEK	SCE	LA Basin	47.0	market optimization	0.0
6/4/2018	BURNYF_2_UNIT 1	PGAE	CAISO System	4.2	market optimization	0.0
6/4/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/4/2018	CASTVL_2_FCELL	PGAE		1.0	market optimization	0.0
6/4/2018	GONZLS_6_UNIT	PGAE	CAISO System	0.2	market optimization	0.0
6/4/2018	HINSON_6_LBECH4	SCE	LA Basin	3.0	market optimization	0.0
6/4/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	2.0	market optimization	0.0
6/4/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	1.8	market optimization	0.0
6/4/2018	IVSLRP_2_SOLAR1	SDGE	San Diego-IV	104.3	market optimization	0.0
6/4/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	market optimization	0.0
6/4/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	4.4	market optimization	0.0
6/4/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	7.8	market optimization	0.0
6/4/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	4.5	market optimization	0.0
6/4/2018	PNCHEG_2_PL1X4_1	PGAE	CAISO System	46.8	market optimization	0.0
6/4/2018	SPBURN_2_UNIT 1	PGAE	CAISO System	0.3	market optimization	0.0
6/4/2018	UNOCAL_1_UNITS	PGAE	Bay Area	0.2	market optimization	0.0
6/4/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
6/4/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
6/4/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
6/4/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
6/5/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/5/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/5/2018	CLOVER_2_UNIT	PGAE	CAISO System	0.1	market optimization	0.0
6/5/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/5/2018	GANSO_1_WSTBM1	PGAE	CAISO System	0.4	market optimization	0.0
6/5/2018	GONZLS_6_UNIT	PGAE	CAISO System	0.2	market optimization	0.0
6/5/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
6/5/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	market optimization	0.0
6/5/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/5/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	market optimization	0.0
6/5/2018	LOWGAP_7_QFUNTS	PGAE	CAISO System	0.7	market optimization	0.0
6/5/2018	MTNPOS_1_UNIT	PGAE	Kern	3.0	market optimization	0.0
6/5/2018	OLDRIV_6_LKVBM1	PGAE	Kern	0.9	market optimization	0.0
6/5/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	90.9	market optimization	0.0
6/6/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/6/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/6/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/6/2018	EASTWD_7_UNIT	SCE	Big Creek-Ventura	200.0	market optimization	0.0
6/6/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
6/6/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	market optimization	0.0
6/6/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
6/6/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
6/6/2018	SUNSHN_2_LNDFL	PGAE	Big Creek-Ventura	1.3	market optimization	0.0
6/7/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/7/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0
6/7/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/7/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/7/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	3.7	market optimization	0.0
6/7/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	3.1	market optimization	0.0
6/7/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	market optimization	0.0
6/7/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	150.6	market optimization	0.0
6/7/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	301.3	market optimization	0.0
6/8/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/8/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/8/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/8/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/8/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	1.5	market optimization	0.0
6/8/2018	MIRLOM_6_PEAKEER	SCE	LA Basin	46.0	market optimization	0.0
6/8/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	370.2	market optimization	0.0
6/8/2018	TOADTW_6_UNIT	PGAE	CAISO System	0.6	market optimization	0.0
6/9/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/9/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/9/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/9/2018	CUMMNG_6_SUNCT1	SCE		1.5	market optimization	0.0
6/9/2018	OLDRIV_6_LKVBM1	PGAE	Kern	0.9	market optimization	0.0
6/9/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/10/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
6/10/2018	BARRE_6_PEAKEER	SCE	LA Basin	47.0	market optimization	0.0
6/10/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
6/10/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/10/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/10/2018	COPMT4_2_SOLAR4	SCE	CAISO System	47.7	market optimization	0.0
6/10/2018	GLNARM_7_UNIT 3	PASA	LA Basin	7.8	market optimization	0.0
6/10/2018	MIRLOM_6_PEAKEER	SCE	LA Basin	46.0	market optimization	0.0
6/10/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	103.3	market optimization	0.0
6/10/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	201.0	market optimization	0.0
6/10/2018	TRNQLT_2_SOLAR	PGAE	Fresno	73.4	market optimization	0.0
6/11/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0
6/11/2018	ANZA_6_SOLAR1	SDGE		1.4	market optimization	0.0
6/11/2018	BOGUE_1_UNITA1	PGAE	Sierra	26.8	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/11/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/11/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/11/2018	DUTCH1_7_UNIT 1	PGAE	Sierra	7.0	market optimization	0.0
6/11/2018	ENCINA_7_EA4_D1	SDGE	San Diego-IV	19.0	market optimization	0.0
6/11/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
6/11/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	10.4	market optimization	0.0
6/11/2018	HUMBPP_1_UNITS3_4	PGAE	Humboldt	9.1	market optimization	0.0
6/11/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
6/11/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	4.7	market optimization	0.0
6/11/2018	PNCHEG_2_PL1X4_3	PGAE	CAISO System	306.0	market optimization	0.0
6/11/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	401.0	market optimization	0.0
6/11/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
6/12/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0
6/12/2018	ANZA_6_SOLAR1	SDGE		1.3	market optimization	0.0
6/12/2018	BARRE_6_PEAKER	SCE	LA Basin	46.9	market optimization	0.0
6/12/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/12/2018	CENTER_6_PEAKER	SCE	LA Basin	47.1	market optimization	0.0
6/12/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/12/2018	GRIZLY_1_UNIT 1	PGAE	CAISO System	2.0	market optimization	0.0
6/12/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	3.1	market optimization	0.0
6/12/2018	MIRLOM_6_PEAKER	SCE	LA Basin	44.9	market optimization	0.0
6/12/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	198.5	market optimization	0.0
6/12/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	301.3	market optimization	0.0
6/12/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
6/12/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/13/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/13/2018	ANZA_6_SOLAR1	SDGE		1.3	market optimization	0.0
6/13/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/13/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/13/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/13/2018	ENCINA_7_EA3	SDGE	San Diego-IV	0.1	market optimization	0.0
6/13/2018	GONZLS_6_UNIT	PGAE	CAISO System	0.2	market optimization	0.0
6/13/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	2.0	market optimization	0.0
6/13/2018	HUMBPP_1_UNITS3_4	PGAE	Humboldt	7.4	market optimization	0.0
6/13/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
6/13/2018	STANIS_7_UNIT 1	PGAE	Stockton	6.1	market optimization	0.0
6/13/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
6/13/2018	WHEATL_6_LNDFIL	PGAE	Sierra	1.7	market optimization	0.0
6/13/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/14/2018	ANZA_6_SOLAR1	SDGE		1.3	market optimization	0.0
6/14/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/14/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/14/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	3.7	market optimization	0.0
6/14/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	393.5	market optimization	0.0
6/14/2018	SPQUIN_6_SRPCQU	PGAE	CAISO System	22.0	market optimization	0.0
6/14/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/15/2018	ANZA_6_SOLAR1	SDGE		1.2	market optimization	0.0
6/15/2018	BOWMN_6_HYDRO	PGAE	Sierra	2.2	market optimization	0.0
6/15/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/15/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/15/2018	GARNET_2_HYDRO	SCE	LA Basin	0.6	market optimization	0.0
6/15/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	3.0	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/15/2018	PNCHEG_2_PL1X4_1	PGAE	CAISO System	101.9	market optimization	0.0
6/15/2018	RVSIDE_2_RERCU4	RVSD	LA Basin	0.5	market optimization	0.0
6/15/2018	SPBURN_2_UNIT 1	PGAE	CAISO System	0.3	market optimization	0.0
6/15/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/16/2018	ANZA_6_SOLAR1	SDGE		1.1	market optimization	0.0
6/16/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/16/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/16/2018	GONZLS_6_UNIT	PGAE	CAISO System	0.2	market optimization	0.0
6/16/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
6/17/2018	ANZA_6_SOLAR1	SDGE		1.3	market optimization	0.0
6/17/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/17/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/17/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	0.0
6/17/2018	TRNQLT_2_SOLAR	PGAE	Fresno	60.2	market optimization	0.0
6/18/2018	ANZA_6_SOLAR1	SDGE		1.3	market optimization	0.0
6/18/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0
6/18/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/18/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/18/2018	GARNET_2_HYDRO	SCE	LA Basin	0.6	market optimization	0.0
6/18/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	506.5	market optimization	169.0
6/18/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	market optimization	0.0
6/18/2018	OAK C_7_UNIT 2	PGAE	Bay Area	41.1	market optimization	0.0
6/18/2018	OLDRIV_6_LKVBM1	PGAE	Kern	1.0	market optimization	0.0
6/18/2018	PIT4_7_PL1X2	PGAE	CAISO System	76.0	market optimization	0.0
6/18/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	301.3	market optimization	0.0
6/18/2018	SPBURN_2_UNIT 1	PGAE	CAISO System	0.3	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/19/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
6/19/2018	BARRE_6_PEAKER	SCE	LA Basin	46.9	market optimization	0.0
6/19/2018	BOWMN_6_HYDRO	PGAE	Sierra	2.3	market optimization	0.0
6/19/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/19/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/19/2018	GRNLF2_1_UNIT	PGAE	Sierra	9.5	market optimization	0.0
6/19/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
6/19/2018	MIRLOM_6_PEAKER	SCE	LA Basin	44.9	market optimization	0.0
6/19/2018	NOVATO_6_LNDFL	PGAE	NCNB	0.5	market optimization	0.0
6/19/2018	OAK C_7_UNIT 1	PGAE	Bay Area	15.0	market optimization	0.0
6/19/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	90.9	market optimization	0.0
6/19/2018	PNCHEG_2_PL1X4_3	PGAE	CAISO System	226.0	market optimization	0.0
6/20/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0
6/20/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
6/20/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0
6/20/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/20/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/20/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/20/2018	ESQUON_6_LNDFIL	PGAE	CAISO System	2.1	market optimization	0.0
6/20/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	market optimization	0.0
6/20/2018	OAK C_7_UNIT 2	PGAE	Bay Area	15.6	market optimization	0.0
6/20/2018	PALOMR_2_PL1X3_2X1	SDGE	San Diego-IV	239.0	market optimization	0.0
6/20/2018	PNCHEG_2_PL1X4_1	PGAE	CAISO System	102.0	market optimization	0.0
6/20/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	181.7	market optimization	0.0
6/20/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/21/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/21/2018	BARRE_6_PEAKE	SCE	LA Basin	46.9	market optimization	0.0
6/21/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/21/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/21/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/21/2018	LAPLMA_2_UNIT 1	PGAE	CAISO System	235.0	market optimization	0.0
6/21/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	470.0	market optimization	0.0
6/21/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	569.0	market optimization	0.0
6/21/2018	MIRLOM_6_PEAKE	SCE	LA Basin	44.9	market optimization	0.0
6/21/2018	OAK C_7_UNIT 1	PGAE	Bay Area	15.3	market optimization	0.0
6/21/2018	PADUA_6_MWSDSM	SCE	LA Basin	2.0	market optimization	0.0
6/21/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	150.6	market optimization	0.0
6/21/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	371.3	market optimization	0.0
6/21/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
6/21/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/22/2018	ALMEGT_1_UNIT 2	NCPA	Bay Area	0.5	market optimization	0.0
6/22/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
6/22/2018	BARRE_6_PEAKE	SCE	LA Basin	46.9	market optimization	0.0
6/22/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/22/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/22/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/22/2018	ESQUON_6_LNDFIL	PGAE	CAISO System	2.1	market optimization	0.0
6/22/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
6/22/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.8
6/22/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	2.2
6/22/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	4.0
6/22/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/22/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	11.5	market optimization	0.0
6/22/2018	HUMBPP_6_UNITS_5	PGAE	Humboldt	12.7	market optimization	0.0
6/22/2018	HUMBPP_6_UNITS_6	PGAE	Humboldt	13.6	market optimization	0.0
6/22/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	market optimization	0.0
6/22/2018	OAK C_7_UNIT 1	PGAE	Bay Area	25.0	market optimization	0.0
6/22/2018	OAK C_7_UNIT 2	PGAE	Bay Area	15.2	market optimization	0.0
6/22/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	388.0	market optimization	0.0
6/22/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
6/22/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
6/22/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
6/22/2018	YUBACT_6_UNITA1	PGAE	Sierra	31.8	market optimization	0.0
6/23/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0
6/23/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
6/23/2018	AVENAL_6_AVSLR1	PGAE	Fresno	6.0	market optimization	0.0
6/23/2018	AVENAL_6_AVSLR2	PGAE	Fresno	6.0	market optimization	0.0
6/23/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0
6/23/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/23/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/23/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
6/23/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	market optimization	0.0
6/23/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	market optimization	0.0
6/23/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	150.6	market optimization	0.0
6/23/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	392.0	market optimization	0.0
6/23/2018	RVSIDE_2_RERCU3	RVSD	LA Basin	0.5	market optimization	0.0
6/23/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
6/24/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/24/2018	BOGUE_1_UNITA1	PGAE	Sierra	22.5	market optimization	0.0
6/24/2018	BRDSLD_2_SHILO1	PGAE	Bay Area	74.8	market optimization	0.0
6/24/2018	BRDSLD_2_SHLO3B	PGAE	Bay Area	44.1	market optimization	0.0
6/24/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/24/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/24/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	3.8	market optimization	0.0
6/24/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
6/24/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
6/24/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	301.3	market optimization	0.0
6/24/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
6/24/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/25/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0
6/25/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
6/25/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0
6/25/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
6/25/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/25/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/25/2018	COLGAT_7_UNIT 2	PGAE	Sierra	40.9	market optimization	0.0
6/25/2018	ESQUON_6_LNDFIL	PGAE	CAISO System	2.1	market optimization	0.0
6/25/2018	FMEADO_6_HELLHL	PGAE	Sierra	0.5	market optimization	0.0
6/25/2018	OILFLD_7_QFUNTS	PGAE	CAISO System	2.0	market optimization	0.0
6/25/2018	PALOMR_2_PL1X3_2X1	SDGE	San Diego-IV	241.0	market optimization	0.0
6/25/2018	PIT3_7_PL1X3	PGAE	CAISO System	27.0	market optimization	0.0
6/25/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	393.5	market optimization	0.0
6/25/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
6/25/2018	TOADTW_6_UNIT	PGAE	CAISO System	0.4	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/25/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
6/26/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0
6/26/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
6/26/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0
6/26/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/26/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/26/2018	GANSO_1_WSTBM1	PGAE	CAISO System	0.9	market optimization	0.0
6/26/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
6/26/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
6/26/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	market optimization	0.0
6/26/2018	KILARC_2_UNIT 1	PGAE	CAISO System	1.5	market optimization	0.0
6/26/2018	MIRLOM_6_PEAKER	SCE	LA Basin	46.0	market optimization	0.0
6/26/2018	OLDRIV_6_CESDBM	PGAE	Kern	0.9	market optimization	0.0
6/26/2018	PALOMR_2_PL1X3_2X1	SDGE	San Diego-IV	118.9	market optimization	0.0
6/26/2018	PEABDY_2_LNDFL1	PGAE	CAISO System	0.3	market optimization	0.0
6/26/2018	PIT3_7_PL1X3	PGAE	CAISO System	23.0	market optimization	0.0
6/26/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	392.0	market optimization	0.0
6/26/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
6/26/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
6/27/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0
6/27/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
6/27/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/27/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/27/2018	DALYCT_1_FCELL	PGAE		1.5	market optimization	0.0
6/27/2018	GANSO_1_WSTBM1	PGAE	CAISO System	0.9	market optimization	0.0
6/27/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.4	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/27/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	392.0	market optimization	0.0
6/27/2018	PSWEET_1_STCRUZ	PGAE	CAISO System	1.0	market optimization	0.0
6/27/2018	VOLTA_2_UNIT 2	PGAE	CAISO System	0.7	market optimization	0.0
6/27/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
6/28/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
6/28/2018	BARRE_6_PEAKEK	SCE	LA Basin	46.9	market optimization	0.0
6/28/2018	BUCKCK_2_HYDRO	PGAE	Sierra	0.2	market optimization	0.0
6/28/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/28/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/28/2018	MIRLOM_6_PEAKEK	SCE	LA Basin	46.0	market optimization	0.0
6/28/2018	PNCHEG_2_PL1X4_1	PGAE	CAISO System	58.2	market optimization	0.0
6/28/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	155.1	market optimization	0.0
6/28/2018	TOADTW_6_UNIT	PGAE	CAISO System	0.4	market optimization	0.0
6/28/2018	VOLTA_2_UNIT 2	PGAE	CAISO System	0.0	market optimization	0.0
6/29/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0
6/29/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
6/29/2018	BUCKCK_7_OAKFLT	PGAE	Sierra	1.1	market optimization	0.0
6/29/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/29/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/29/2018	EXCHEC_7_UNIT 1	PGAE	Fresno	4.5	market optimization	0.0
6/29/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	0.0
6/29/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
6/30/2018	ANAHM_2_CANYN4	ANHM	LA Basin	12.4	market optimization	0.0
6/30/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
6/30/2018	BARRE_6_PEAKEK	SCE	LA Basin	46.9	market optimization	0.0
6/30/2018	BEARDS_7_UNIT 1	NCPA	Stockton	11.0	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
6/30/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	27.6
6/30/2018	CALPSS_6_SOLAR1	SDGE		3.0	market optimization	0.0
6/30/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
6/30/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.0	market optimization	0.0
6/30/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.0	market optimization	0.0
6/30/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	503.5	market optimization	0.0
6/30/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	15.0
6/30/2018	MIRLOM_6_PEAKER	SCE	LA Basin	44.9	market optimization	0.0
6/30/2018	OLDRIV_6_LKVBM1	PGAE	Kern	0.9	market optimization	0.0
6/30/2018	PNCHEG_2_PL1X4_2	PGAE	CAISO System	150.6	market optimization	0.0
6/30/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	301.3	market optimization	0.0
6/30/2018	SNDBAR_7_UNIT 1	PGAE	Stockton	16.0	market optimization	0.0
6/30/2018	STANIS_7_UNIT 1	PGAE	Stockton	6.1	market optimization	0.0
6/30/2018	YUBACT_6_UNITA1	PGAE	Sierra	22.0	market optimization	27.6