



Non Resource Adequacy Capacity Report

July 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 July 2018	5
---	---

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 July 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 July 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 July 2018

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/1/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/1/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0
7/1/2018	BOGUE_1_UNITA1	PGAE	Sierra	37.4	market optimization	0.0
7/1/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/1/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	3.5	market optimization	0.0
7/1/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.0	market optimization	0.0
7/1/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.0	market optimization	0.0
7/1/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.0	market optimization	0.0
7/1/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	527.0	market optimization	0.0
7/1/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	0.0
7/1/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	11.3	market optimization	0.0
7/1/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	7.0	market optimization	0.0
7/1/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/2/2018	ANAHM_2_CANYN4	ANHM	LA Basin	26.3	market optimization	0.0
7/2/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/2/2018	BARRE_6_PEAKER	SCE	LA Basin	46.9	market optimization	0.0
7/2/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/2/2018	GONZLS_6_UNIT	PGAE	CAISO System	0.2	market optimization	0.0
7/2/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	2.9	market optimization	0.0
7/2/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
7/2/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	4.6	market optimization	0.0
7/2/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	7.0
7/2/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	3.1	market optimization	0.0
7/2/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	4.3	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/2/2018	RVSIDE_2_RERCU3	RVSD	LA Basin	0.5	market optimization	0.0
7/2/2018	RVSIDE_2_RERCU4	RVSD	LA Basin	0.5	market optimization	0.0
7/2/2018	VOLTA_6_DIGHYD	PGAE	CAISO System	0.1	market optimization	0.0
7/2/2018	WALCRK_2_CTG2	SCE	LA Basin	0.4	market optimization	0.0
7/2/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/3/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/3/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/3/2018	GONZLS_6_UNIT	PGAE	CAISO System	0.2	market optimization	0.0
7/3/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
7/3/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	4.5
7/3/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	3.5
7/3/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/3/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	6.8
7/3/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	market optimization	2.9
7/3/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	market optimization	9.1
7/3/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	25.0
7/3/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	24.9
7/4/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/4/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/4/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.3	market optimization	0.0
7/4/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	market optimization	0.0
7/4/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	508.5	market optimization	0.0
7/4/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	14.0
7/4/2018	SAUGUS_6_PTCHGN	SCE	Big Creek-Ventura	0.1	market optimization	0.0
7/4/2018	WALCRK_2_CTG2	SCE	LA Basin	0.4	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/4/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
7/5/2018	ANAHM_2_CANYN4	ANHM	LA Basin	26.3	market optimization	0.0
7/5/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/5/2018	BARRE_6_PEAKER	SCE	LA Basin	47.0	market optimization	0.0
7/5/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/5/2018	GLNARM_7_UNIT 3	PASA	LA Basin	15.4	market optimization	0.0
7/5/2018	PALOMR_2_PL1X3_2X1	SDGE	San Diego-IV	118.9	market optimization	0.0
7/5/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	16.0	market optimization	0.0
7/5/2018	RVSIDE_2_RERCU3	RVSD	LA Basin	0.5	market optimization	0.0
7/5/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
7/5/2018	USWND4_2_UNIT2	PGAE		3.0	market optimization	0.0
7/5/2018	VERNON_6_GONZL2	VERN	LA Basin	0.8	market optimization	0.0
7/5/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
7/5/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
7/5/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/5/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	27.6
7/6/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/6/2018	CENTER_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/6/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/6/2018	EASTWD_7_UNIT	SCE	Big Creek-Ventura	200.0	market optimization	0.0
7/6/2018	ENCINA_7_GT1	SDGE	San Diego-IV	14.5	market optimization	0.0
7/6/2018	ESCO_6_GLMQF	SDGE	San Diego-IV	9.9	market optimization	0.0
7/6/2018	GLNARM_7_UNIT 3	PASA	LA Basin	25.0	market optimization	0.0
7/6/2018	GLNARM_7_UNIT 4	PASA	LA Basin	0.9	market optimization	0.0
7/6/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/6/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0
7/6/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	499.5	market optimization	0.0
7/6/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	3.3	market optimization	0.0
7/6/2018	REDOND_7_UNIT 8_C2	SCE	LA Basin	133.1	market optimization	0.0
7/6/2018	TRNQLT_2_SOLAR	PGAE	Fresno	79.6	market optimization	0.0
7/6/2018	VERNON_6_GONZL1	VERN	LA Basin	0.7	market optimization	0.0
7/6/2018	VERNON_6_GONZL2	VERN	LA Basin	0.8	market optimization	0.0
7/6/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/7/2018	ANAHM_2_CANYN2	ANHM	LA Basin	8.7	market optimization	0.0
7/7/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/7/2018	BANGOR_6_HYDRO	PGAE	Sierra	0.2	market optimization	0.0
7/7/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/7/2018	GLNARM_7_UNIT 3	PASA	LA Basin	25.0	market optimization	0.0
7/7/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	3.0	market optimization	0.0
7/7/2018	HUMBPP_6_UNITS_5	PGAE	Humboldt	11.4	market optimization	0.0
7/7/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	523.0	market optimization	0.0
7/7/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	5.0
7/7/2018	REDOND_7_UNIT 5	SCE	LA Basin	28.7	market optimization	0.0
7/7/2018	REDOND_7_UNIT 6	SCE	LA Basin	1.1	market optimization	0.0
7/7/2018	VERNON_6_GONZL1	VERN	LA Basin	0.7	market optimization	0.0
7/7/2018	VERNON_6_GONZL2	VERN	LA Basin	0.8	market optimization	0.0
7/7/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/7/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	27.6
7/8/2018	ANZA_6_SOLAR1	SDGE		2.1	market optimization	0.0
7/8/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/8/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.2	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/8/2018	OLDRIV_6_LKVB1	PGAE	Kern	0.9	market optimization	0.0
7/8/2018	TRNQLT_2_SOLAR	PGAE	Fresno	100.0	market optimization	0.0
7/8/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/8/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	27.6
7/9/2018	ANAHM_2_CANYN4	ANHM	LA Basin	26.3	market optimization	0.0
7/9/2018	ANZA_6_SOLAR1	SDGE		1.7	market optimization	0.0
7/9/2018	BARRE_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/9/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/9/2018	GARNET_2_HYDRO	SCE	LA Basin	0.4	market optimization	0.0
7/9/2018	GLNARM_7_UNIT 3	PASA	LA Basin	17.3	market optimization	0.0
7/9/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.2	market optimization	0.0
7/9/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
7/9/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	0.9	market optimization	0.0
7/9/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	11.0	market optimization	0.0
7/9/2018	SYCAMR_2_UNIT 2	SCE	Big Creek-Ventura	2.7	market optimization	0.0
7/10/2018	ANAHM_2_CANYN4	ANHM	LA Basin	1.9	market optimization	0.0
7/10/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/10/2018	BARRE_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/10/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	27.0
7/10/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/10/2018	GLNARM_7_UNIT 3	PASA	LA Basin	44.8	market optimization	0.0
7/10/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.2	market optimization	0.0
7/10/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.0	market optimization	0.0
7/10/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	11.6	market optimization	0.0
7/10/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/10/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/10/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	11.5	market optimization	0.0
7/10/2018	HUMBPP_6_UNITS_5	PGAE	Humboldt	12.7	market optimization	0.0
7/10/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
7/10/2018	WALCRK_2_CTG2	SCE	LA Basin	0.4	market optimization	0.0
7/10/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	27.6
7/11/2018	ANAHM_2_CANYN2	ANHM	LA Basin	8.7	market optimization	0.0
7/11/2018	ANAHM_2_CANYN4	ANHM	LA Basin	26.3	market optimization	0.0
7/11/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
7/11/2018	BARRE_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/11/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/11/2018	BUCKCK_7_OAKFLT	PGAE	Sierra	0.9	market optimization	0.0
7/11/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/11/2018	GLNARM_7_UNIT 3	PASA	LA Basin	15.4	market optimization	0.0
7/11/2018	GLNARM_7_UNIT 4	PASA	LA Basin	11.0	market optimization	0.0
7/11/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.2	market optimization	0.0
7/11/2018	HATCR1_7_UNIT	PGAE	CAISO System	0.8	market optimization	0.0
7/11/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
7/11/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	12.8	market optimization	0.0
7/11/2018	HUMBPP_1_UNITS3_4	PGAE	Humboldt	9.1	market optimization	0.0
7/11/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.2	market optimization	0.0
7/11/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	market optimization	0.0
7/11/2018	INLDEM_5_UNIT 1	SCE	LA Basin	73.9	market optimization	0.0
7/11/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	560.0	market optimization	22.0
7/11/2018	OLDRIV_6_LKVB1	PGAE	Kern	0.9	market optimization	0.0
7/11/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	3.5	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/11/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	1.4	market optimization	0.0
7/11/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	7.0	market optimization	0.0
7/11/2018	SBERDO_2_PSP3_C2	SCE	LA Basin	50.5	market optimization	0.0
7/11/2018	SBERDO_2_PSP4_C2	SCE	LA Basin	13.2	market optimization	0.0
7/11/2018	ULTPCH_1_UNIT 1	PGAE	Stockton	1.8	market optimization	0.0
7/11/2018	VERNON_6_GONZL1	VERN	LA Basin	0.7	market optimization	0.0
7/11/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
7/11/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
7/11/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
7/11/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
7/11/2018	WEBER_6_FORWRD	PGAE	Stockton	4.0	market optimization	0.0
7/11/2018	WHEATL_6_LNDFIL	PGAE	Sierra	0.2	market optimization	0.0
7/11/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/12/2018	ANZA_6_SOLAR1	SDGE		1.5	market optimization	0.0
7/12/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/12/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/12/2018	ENCINA_7_EA5_D1	SDGE	San Diego-IV	17.6	market optimization	0.0
7/12/2018	GLNARM_7_UNIT 3	PASA	LA Basin	44.8	market optimization	0.0
7/12/2018	GLNARM_7_UNIT 4	PASA	LA Basin	11.0	market optimization	0.0
7/12/2018	INLDEM_5_UNIT 1	SCE	LA Basin	117.0	market optimization	0.0
7/12/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0
7/12/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	526.0	market optimization	0.0
7/12/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	548.0	market optimization	0.0
7/12/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	8.5	market optimization	0.0
7/12/2018	SALIRV_2_UNIT	PGAE	CAISO System	0.3	market optimization	0.0
7/12/2018	VERNON_6_GONZL1	VERN	LA Basin	0.7	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/12/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
7/12/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/13/2018	ANAHM_2_CANYN4	ANHM	LA Basin	1.9	market optimization	0.0
7/13/2018	ANZA_6_SOLAR1	SDGE		1.7	market optimization	0.0
7/13/2018	BARRE_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/13/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/13/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	10.8	market optimization	0.0
7/13/2018	EASTWD_7_UNIT	SCE	Big Creek-Ventura	200.0	market optimization	0.0
7/13/2018	GLNARM_7_UNIT 3	PASA	LA Basin	25.0	market optimization	0.0
7/13/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/13/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	5.7	market optimization	0.0
7/13/2018	HUMBPP_6_UNITS_6	PGAE	Humboldt	13.6	market optimization	0.0
7/13/2018	INLDEM_5_UNIT 1	SCE	LA Basin	35.6	market optimization	0.0
7/13/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	517.0	market optimization	0.0
7/13/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	0.0
7/13/2018	OAK C_7_UNIT 1	PGAE	Bay Area	15.0	market optimization	0.0
7/13/2018	OAK C_7_UNIT 2	PGAE	Bay Area	15.0	market optimization	0.0
7/13/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	7.5	market optimization	0.0
7/13/2018	PARDEB_6_UNITS	PGAE	CAISO System	1.0	market optimization	0.0
7/13/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	8.5	market optimization	0.0
7/13/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
7/13/2018	SBERDO_2_PSP3_C2	SCE	LA Basin	37.4	market optimization	0.0
7/13/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/14/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/14/2018	BARRE_6_PEAKER	SCE	LA Basin	46.9	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/14/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/14/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	11.3	market optimization	0.0
7/14/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/14/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	19.5	market optimization	0.0
7/14/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/14/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	27.6
7/15/2018	ANAHM_2_CANYN2	ANHM	LA Basin	8.7	market optimization	0.0
7/15/2018	ANAHM_2_CANYN4	ANHM	LA Basin	26.3	market optimization	0.0
7/15/2018	ANZA_6_SOLAR1	SDGE		3.7	market optimization	0.0
7/15/2018	BARRE_6_PEAKER	SCE	LA Basin	46.9	market optimization	0.0
7/15/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.0	market optimization	0.0
7/15/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.0	market optimization	27.6
7/15/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/15/2018	CUYAMS_6_CUYSR1	PGAE	CAISO System	21.0	market optimization	0.0
7/15/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/15/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	10.4	market optimization	0.0
7/15/2018	HUMBPP_6_UNITS_5	PGAE	Humboldt	12.7	market optimization	0.0
7/15/2018	SBERDO_2_PSP3_C2	SCE	LA Basin	63.0	market optimization	0.0
7/15/2018	SBERDO_2_PSP4_C2	SCE	LA Basin	19.0	market optimization	0.0
7/15/2018	SLUISP_2_UNITS	CWRP	CAISO System	96.0	market optimization	0.0
7/15/2018	WALCRK_2_CTG2	SCE	LA Basin	0.4	market optimization	0.0
7/15/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
7/15/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
7/15/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/16/2018	ANZA_6_SOLAR1	SDGE		2.9	market optimization	0.0
7/16/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.0	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/16/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.0	market optimization	27.6
7/16/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	27.4	market optimization	0.0
7/16/2018	CORRAL_6_SJOAQN	PGAE	CAISO System	1.1	market optimization	0.0
7/16/2018	GLNARM_7_UNIT 3	PASA	LA Basin	15.4	market optimization	0.0
7/16/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/16/2018	MRGT_6_MEF2	SDGE	San Diego-IV	3.9	market optimization	0.0
7/16/2018	OLDRIV_6_LKVBM1	PGAE	Kern	0.9	market optimization	0.0
7/16/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
7/16/2018	SLUISP_2_UNITS	CWRP	CAISO System	124.0	market optimization	0.0
7/16/2018	VERNON_6_GONZL1	VERN	LA Basin	0.7	market optimization	0.0
7/16/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
7/16/2018	WALNUT_6_HILLGEN	SCE	LA Basin	0.0	market optimization	0.0
7/16/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/17/2018	ANZA_6_SOLAR1	SDGE		1.8	market optimization	0.0
7/17/2018	BARRE_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/17/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/17/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	24.4	market optimization	0.0
7/17/2018	ELCAJN_6_LM6K	SDGE	San Diego-IV	2.7	market optimization	0.0
7/17/2018	ESCENDO_6_PL1X2	SDGE	San Diego-IV	2.3	market optimization	0.0
7/17/2018	GEYS11_7_UNIT11	PGAE	NCNB	2.0	market optimization	0.0
7/17/2018	GLNARM_7_UNIT 3	PASA	LA Basin	15.4	market optimization	0.0
7/17/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/17/2018	NHOGAN_6_UNITS	PGAE	CAISO System	2.0	market optimization	0.0
7/17/2018	RVSIDE_2_RERCU3	RVSD	LA Basin	0.5	market optimization	0.0
7/17/2018	SLUISP_2_UNITS	CWRP	CAISO System	93.0	market optimization	0.0
7/17/2018	TRNQLT_2_SOLAR	PGAE	Fresno	102.6	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/17/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/18/2018	ANZA_6_SOLAR1	SDGE		1.4	market optimization	0.0
7/18/2018	BOGUE_1_UNITA1	PGAE	Sierra	21.1	market optimization	0.0
7/18/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	19.5	market optimization	0.0
7/18/2018	ENCINA_7_EA3	SDGE	San Diego-IV	38.0	market optimization	0.0
7/18/2018	ENCINA_7_EA4_D1	SDGE	San Diego-IV	19.4	market optimization	0.0
7/18/2018	ESCND0_6_PL1X2	SDGE	San Diego-IV	2.5	market optimization	0.0
7/18/2018	GEYS11_7_UNIT11	PGAE	NCNB	2.0	market optimization	0.0
7/18/2018	GLNARM_7_UNIT 3	PASA	LA Basin	20.0	market optimization	0.0
7/18/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/18/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	495.5	market optimization	0.0
7/18/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	2.2	market optimization	0.0
7/18/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	5.2	market optimization	0.0
7/18/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	3.0	market optimization	0.0
7/18/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
7/18/2018	VERNON_6_GONZL1	VERN	LA Basin	0.7	market optimization	0.0
7/18/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/19/2018	ANZA_6_SOLAR1	SDGE		2.6	market optimization	0.0
7/19/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/19/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	27.6
7/19/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	30.9	market optimization	0.0
7/19/2018	GARNET_2_HYDRO	SCE	LA Basin	0.4	market optimization	0.0
7/19/2018	GEYS11_7_UNIT11	PGAE	NCNB	2.0	market optimization	0.0
7/19/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/19/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0
7/19/2018	OAK C_7_UNIT 1	PGAE	Bay Area	15.0	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/19/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	0.2	market optimization	0.0
7/19/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	19.5	market optimization	0.0
7/19/2018	REDOND_7_UNIT 8_C2	SCE	LA Basin	133.1	market optimization	0.0
7/19/2018	SYCAMR_2_UNIT 2	SCE	Big Creek-Ventura	4.4	market optimization	0.0
7/19/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/20/2018	ANZA_6_SOLAR1	SDGE		2.6	market optimization	0.0
7/20/2018	BARRE_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/20/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/20/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	27.6
7/20/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	30.4	market optimization	0.0
7/20/2018	ENCINA_7_EA5_D1	SDGE	San Diego-IV	57.0	market optimization	0.0
7/20/2018	GEYS11_7_UNIT11	PGAE	NCNB	2.0	market optimization	0.0
7/20/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/20/2018	HATCR2_7_UNIT	PGAE	CAISO System	1.2	market optimization	0.0
7/20/2018	HIGGNS_1_COMBIE	PGAE	Sierra	0.4	market optimization	0.0
7/20/2018	HIGGNS_7_QFUNTS	PGAE	Sierra	0.2	market optimization	0.0
7/20/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
7/20/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/20/2018	NAVYII_2_UNITS	SCE	CAISO System	16.7	market optimization	0.0
7/20/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	0.7	market optimization	0.0
7/20/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	4.3	market optimization	0.0
7/20/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	2.1	market optimization	0.0
7/20/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
7/20/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
7/20/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/20/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
7/20/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/20/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	27.6
7/21/2018	ANZA_6_SOLAR1	SDGE		2.5	market optimization	0.0
7/21/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/21/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	27.6
7/21/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	28.2	market optimization	0.0
7/21/2018	ESCND0_6_PL1X2	SDGE	San Diego-IV	2.6	market optimization	0.0
7/21/2018	GLNARM_7_UNIT 3	PASA	LA Basin	15.4	market optimization	0.0
7/21/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/21/2018	HUMBPP_1_UNITS3_4	PGAE	Humboldt	9.1	market optimization	0.0
7/21/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/21/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	11.5	market optimization	0.0
7/21/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	518.0	market optimization	0.0
7/21/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.1	market optimization	0.0
7/21/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	11.0	market optimization	0.0
7/21/2018	TRNQLT_2_SOLAR	PGAE	Fresno	74.1	market optimization	0.0
7/21/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/21/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	27.6
7/22/2018	ANZA_6_SOLAR1	SDGE		2.7	market optimization	0.0
7/22/2018	BOGUE_1_UNITA1	PGAE	Sierra	42.9	market optimization	0.0
7/22/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	29.8	market optimization	0.0
7/22/2018	GONZLS_6_UNIT	PGAE	CAISO System	0.2	market optimization	0.0
7/22/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/22/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/22/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	524.0	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/22/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.1	market optimization	0.0
7/22/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
7/22/2018	TRNQLT_2_SOLAR	PGAE	Fresno	76.0	market optimization	0.0
7/22/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/22/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	9.9
7/23/2018	ANZA_6_SOLAR1	SDGE		2.3	market optimization	0.0
7/23/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/23/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/23/2018	ENCINA_7_GT1	SDGE	San Diego-IV	11.2	market optimization	0.0
7/23/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/23/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.0	market optimization	0.0
7/23/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	549.0	market optimization	0.0
7/23/2018	OLDRIV_6_LKVB1	PGAE	Kern	0.9	market optimization	0.0
7/23/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
7/23/2018	REDOND_7_UNIT 7_C2	SCE	LA Basin	126.3	market optimization	0.0
7/23/2018	REDOND_7_UNIT 8_C2	SCE	LA Basin	24.1	market optimization	0.0
7/23/2018	SBERDO_2_PSP3_C2	SCE	LA Basin	63.0	market optimization	0.0
7/23/2018	SBERDO_2_PSP4_C2	SCE	LA Basin	19.0	market optimization	0.0
7/23/2018	TRNQLT_2_SOLAR	PGAE	Fresno	90.7	market optimization	0.0
7/23/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/24/2018	ANZA_6_SOLAR1	SDGE		2.3	market optimization	0.0
7/24/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/24/2018	CLRKRD_6_LIMESD	PGAE	CAISO System	0.5	market optimization	0.0
7/24/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/24/2018	ENCINA_7_EA4_D1	SDGE	San Diego-IV	28.0	market optimization	0.0
7/24/2018	ENCINA_7_EA5_D1	SDGE	San Diego-IV	57.0	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/24/2018	ESCENDO_6_PL1X2	SDGE	San Diego-IV	0.1	market optimization	0.0
7/24/2018	GLNARM_7_UNIT 3	PASA	LA Basin	15.4	market optimization	0.0
7/24/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/24/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	market optimization	0.0
7/24/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
7/24/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/24/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	market optimization	0.0
7/24/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0
7/24/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	560.0	market optimization	0.0
7/24/2018	NOVATO_6_LNDFL	PGAE	NCNB	0.5	market optimization	0.0
7/24/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	21.3	market optimization	0.0
7/24/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
7/24/2018	REDOND_7_UNIT 6	SCE	LA Basin	1.1	market optimization	0.0
7/24/2018	REDOND_7_UNIT 7_C2	SCE	LA Basin	103.6	market optimization	0.0
7/24/2018	REDOND_7_UNIT 8_C2	SCE	LA Basin	133.1	market optimization	133.1
7/24/2018	SBERDO_2_PSP3_C2	SCE	LA Basin	61.0	market optimization	0.0
7/24/2018	SBERDO_2_PSP4_C2	SCE	LA Basin	17.0	market optimization	0.0
7/24/2018	SLUISP_2_UNITS	CWRP	CAISO System	58.0	market optimization	0.0
7/24/2018	VERNON_6_GONZL1	VERN	LA Basin	0.7	market optimization	0.0
7/24/2018	VOLTA_6_DIGHYD	PGAE	CAISO System	0.1	market optimization	0.0
7/24/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/25/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/25/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/25/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/25/2018	GLNARM_7_UNIT 3	PASA	LA Basin	15.4	market optimization	0.0
7/25/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/25/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
7/25/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.0	market optimization	0.0
7/25/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.0	market optimization	0.0
7/25/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0
7/25/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.1	market optimization	0.0
7/25/2018	PALOMR_2_PL1X3_1X1	SDGE	San Diego-IV	22.8	market optimization	0.0
7/25/2018	PALOMR_2_PL1X3_2X1	SDGE	San Diego-IV	98.0	market optimization	0.0
7/25/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	11.0	market optimization	0.0
7/25/2018	REDOND_7_UNIT 8_C2	SCE	LA Basin	133.1	market optimization	0.0
7/25/2018	REDOND_7_UNIT 8_C3	SCE	LA Basin	5.0	market optimization	0.0
7/25/2018	SBERDO_2_PSP3_C2	SCE	LA Basin	62.9	market optimization	0.0
7/25/2018	SBERDO_2_PSP4_C2	SCE	LA Basin	18.4	market optimization	0.0
7/25/2018	SLUISP_2_UNITS	CWRP	CAISO System	60.0	market optimization	0.0
7/25/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/26/2018	ANAHM_2_CANYN2	ANHM	LA Basin	8.7	market optimization	0.0
7/26/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
7/26/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/26/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/26/2018	COCOPP_2_CTG1	PGAE	Bay Area	0.8	market optimization	0.0
7/26/2018	CORRAL_6_SJOAQN	PGAE	CAISO System	1.1	market optimization	0.0
7/26/2018	GLNARM_7_UNIT 3	PASA	LA Basin	15.4	market optimization	0.0
7/26/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/26/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	3.0	market optimization	0.0
7/26/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
7/26/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	3.0	market optimization	0.0
7/26/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/26/2018	MALAGA_1_PL1X2_2X	PGAE	Fresno	2.0	market optimization	0.0
7/26/2018	PALOMR_2_PL1X3_1X1	SDGE	San Diego-IV	40.3	market optimization	0.0
7/26/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	2.9	market optimization	0.0
7/26/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
7/26/2018	REDOND_7_UNIT 8_C2	SCE	LA Basin	63.1	market optimization	0.0
7/26/2018	RVSIDE_2_RERCU3	RVSD	LA Basin	0.5	market optimization	0.0
7/26/2018	RVSIDE_2_RERCU4	RVSD	LA Basin	0.5	market optimization	0.0
7/26/2018	SNCLRA_2_HOWLNG	SCE	Big Creek-Ventura	4.2	market optimization	0.0
7/26/2018	WNDMAS_2_UNIT 1	PGAE	Bay Area	13.7	market optimization	0.0
7/26/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/27/2018	ANZA_6_SOLAR1	SDGE		1.7	market optimization	0.0
7/27/2018	BARRE_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/27/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/27/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/27/2018	CONTRL_1_OXBOW	SCE	CAISO System	5.5	market optimization	0.0
7/27/2018	ENCINA_7_EA5_D1	SDGE	San Diego-IV	57.0	market optimization	0.0
7/27/2018	GLNARM_7_UNIT 3	PASA	LA Basin	15.4	market optimization	0.0
7/27/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
7/27/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	3.0	market optimization	0.0
7/27/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/27/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	5.4	market optimization	0.0
7/27/2018	KIRKER_7_KELCYN	PGAE	Bay Area	3.0	market optimization	0.0
7/27/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0
7/27/2018	MALAGA_1_PL1X2_2X	PGAE	Fresno	2.0	market optimization	0.0
7/27/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	19.0	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/27/2018	PGEB_2_PDRP20	PGAE		0.1	market optimization	0.0
7/27/2018	PGNB_2_PDRP11	PGAE		0.0	market optimization	0.0
7/27/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	19.5	market optimization	0.0
7/27/2018	REDOND_7_UNIT 8_C2	SCE	LA Basin	13.1	market optimization	0.0
7/27/2018	UNOCAL_1_UNITS	PGAE	Bay Area	0.1	market optimization	0.0
7/27/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/28/2018	ANAHM_2_CANYN2	ANHM	LA Basin	8.7	market optimization	0.0
7/28/2018	ANZA_6_SOLAR1	SDGE		1.4	market optimization	0.0
7/28/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/28/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/28/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/28/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
7/28/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	3.0	market optimization	0.0
7/28/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.0	market optimization	0.0
7/28/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	3.0	market optimization	0.0
7/28/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	1.0	market optimization	0.0
7/28/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	534.0	market optimization	0.0
7/28/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	8.0
7/28/2018	OLDRIV_6_LKVBM1	PGAE	Kern	0.9	market optimization	0.0
7/28/2018	PEABDY_2_LNDFL1	PGAE	CAISO System	0.2	market optimization	0.0
7/28/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
7/28/2018	POTTER_6_UNITS	PGAE	NCNB	2.0	market optimization	0.0
7/28/2018	TRNQLT_2_SOLAR	PGAE	Fresno	104.1	market optimization	0.0
7/28/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/28/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	9.3
7/29/2018	ANAHM_2_CANYN2	ANHM	LA Basin	8.7	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/29/2018	ANZA_6_SOLAR1	SDGE		1.3	market optimization	0.0
7/29/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/29/2018	ELCAJN_6_LM6K	SDGE	San Diego-IV	0.3	market optimization	0.0
7/29/2018	ESCND0_6_PL1X2	SDGE	San Diego-IV	2.6	market optimization	0.0
7/29/2018	GEYS11_7_UNIT11	PGAE	NCNB	3.0	market optimization	0.0
7/29/2018	GLNARM_7_UNIT 3	PASA	LA Basin	25.0	market optimization	0.0
7/29/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/29/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
7/29/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.0	market optimization	0.0
7/29/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.0	market optimization	0.0
7/29/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/29/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	4.0	market optimization	0.0
7/29/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0
7/29/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	535.0	market optimization	0.0
7/29/2018	OLDRIV_6_LKVBM1	PGAE	Kern	0.9	market optimization	0.0
7/29/2018	PALOMR_2_PL1X3_2X1	SDGE	San Diego-IV	133.5	market optimization	0.0
7/29/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	0.4	market optimization	0.0
7/29/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	15.5	market optimization	0.0
7/29/2018	TRNQLT_2_SOLAR	PGAE	Fresno	69.1	market optimization	0.0
7/29/2018	UKIAH_7_LAKEMN	NCPA	NCNB	1.6	market optimization	0.0
7/29/2018	VERNON_6_GONZL1	VERN	LA Basin	0.7	market optimization	0.0
7/29/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/30/2018	ANZA_6_SOLAR1	SDGE		1.2	market optimization	0.0
7/30/2018	BARRE_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/30/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
7/30/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	27.6

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/30/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/30/2018	ENCINA_7_EA3	SDGE	San Diego-IV	11.2	market optimization	0.0
7/30/2018	ENCINA_7_EA4_D1	SDGE	San Diego-IV	26.8	market optimization	0.0
7/30/2018	ENCINA_7_EA5_D1	SDGE	San Diego-IV	57.0	market optimization	0.0
7/30/2018	ESCENDO_6_PL1X2	SDGE	San Diego-IV	0.4	market optimization	0.0
7/30/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
7/30/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
7/30/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	market optimization	0.0
7/30/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
7/30/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/30/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	11.5	market optimization	0.0
7/30/2018	HUMBPP_6_UNITS_5	PGAE	Humboldt	12.7	market optimization	0.0
7/30/2018	HUMBPP_6_UNITS_6	PGAE	Humboldt	13.6	market optimization	0.0
7/30/2018	KILARC_2_UNIT 1	PGAE	CAISO System	1.5	market optimization	0.0
7/30/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0
7/30/2018	OXMTN_6_LNDFIL	PGAE	Bay Area	0.1	market optimization	0.0
7/30/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	0.3	market optimization	0.0
7/30/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
7/30/2018	UKIAH_7_LAKEMN	NCPA	NCNB	1.0	market optimization	0.0
7/30/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/31/2018	ANZA_6_SOLAR1	SDGE		4.0	market optimization	0.0
7/31/2018	BARRE_6_PEAKER	SCE	LA Basin	0.1	market optimization	0.0
7/31/2018	BLCKBT_2_STONEY	NCPA	CAISO System	0.8	market optimization	0.0
7/31/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
7/31/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
7/31/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0

CAISO\ Market Quality and Renewable Integration

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
7/31/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	2.0	market optimization	0.0
7/31/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
7/31/2018	HUMBPP_6_UNITS_5	PGAE	Humboldt	9.6	market optimization	0.0
7/31/2018	LODI25_2_UNIT 1	NCPA	Stockton	23.0	market optimization	0.0
7/31/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	551.0	market optimization	0.0
7/31/2018	MIDWY3_2_MDSSR1	SDGE		20.0	market optimization	0.0
7/31/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
7/31/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0