



Non Resource Adequacy Capacity Report

September 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 September 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 September 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 September 2018

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/1/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
9/1/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/1/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.0	market optimization	0.0
9/1/2018	MIDWY3_2_MDSSR1	SDGE		20.0	market optimization	0.0
9/1/2018	SPQUIN_6_SRPCQU	PGAE	CAISO System	2.0	market optimization	0.0
9/1/2018	WALCRK_2_CTG2	SCE	LA Basin	0.4	market optimization	0.0
9/1/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
9/1/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
9/1/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	27.6
9/2/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
9/2/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/2/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.0	market optimization	0.0
9/2/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	5.7	market optimization	0.0
9/2/2018	MIDWY3_2_MDSSR1	SDGE		20.0	market optimization	0.0
9/2/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	15.5	market optimization	0.0
9/2/2018	WALCRK_2_CTG2	SCE	LA Basin	0.4	market optimization	0.0
9/2/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
9/2/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
9/2/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	27.6
9/3/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
9/3/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/3/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.0	market optimization	0.0
9/3/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
9/3/2018	MIDWY3_2_MDSSR1	SDGE		20.0	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/3/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	40.0	market optimization	0.0
9/3/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	11.0	market optimization	0.0
9/3/2018	RTREE_2_WIND1	SCE	CAISO System	0.1	market optimization	0.0
9/3/2018	WALCRK_2_CTG2	SCE	LA Basin	0.4	market optimization	0.0
9/3/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
9/3/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
9/3/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	26.3
9/3/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	27.6
9/4/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/4/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
9/4/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/4/2018	CUMMNG_6_SUNCT1	SCE		3.5	market optimization	0.0
9/4/2018	ELCAJN_6_UNITA1_CT2	SDGE	San Diego-IV	40.0	market optimization	0.0
9/4/2018	ENCINA_7_EA5_D1	SDGE	San Diego-IV	11.3	market optimization	0.0
9/4/2018	ESCND0_6_PL1X2	SDGE	San Diego-IV	1.0	market optimization	0.0
9/4/2018	GONZLS_6_UNIT	PGAE	CAISO System	1.4	market optimization	0.0
9/4/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/4/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.3
9/4/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
9/4/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	10.4	market optimization	0.0
9/4/2018	HUMBPP_1_UNITS3_4	PGAE	Humboldt	9.1	market optimization	0.0
9/4/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	0.0
9/4/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
9/4/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	11.5	market optimization	0.0
9/4/2018	HUMBPP_6_UNITS_5	PGAE	Humboldt	11.4	market optimization	0.0
9/4/2018	MIDWY3_2_MDSSR1	SDGE		20.0	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/4/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	40.0	market optimization	0.0
9/4/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	13.6	market optimization	0.0
9/4/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	0.8	market optimization	0.0
9/4/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
9/4/2018	TOPAZ_2_SOLAR	PGAE	CAISO System	266.3	market optimization	0.0
9/4/2018	VERNON_6_GONZL1	VERN	LA Basin	0.0	market optimization	0.0
9/4/2018	VERNON_6_GONZL2	VERN	LA Basin	0.3	market optimization	0.0
9/4/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/4/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
9/4/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
9/5/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
9/5/2018	BELDEN_7_UNIT 1	PGAE	Sierra	17.6	market optimization	0.0
9/5/2018	CARBOU_7_UNIT 1	PGAE	CAISO System	7.8	market optimization	0.0
9/5/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/5/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
9/5/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	4.5	market optimization	4.1
9/5/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	4.0	market optimization	0.0
9/5/2018	METEC_2_PL1X3_2X1_DB	PGAE	Bay Area	545.0	market optimization	16.0
9/5/2018	MIDWY3_2_MDSSR1	SDGE		20.0	market optimization	0.0
9/5/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	40.0	market optimization	0.0
9/5/2018	OLDRIV_6_CESDBM	PGAE	Kern	0.1	market optimization	0.0
9/5/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	24.7	market optimization	0.0
9/5/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	2.7	market optimization	0.0
9/5/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	2.9	market optimization	0.0
9/5/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	3.2	market optimization	0.0
9/5/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	8.5	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/5/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
9/5/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
9/5/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/5/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
9/5/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
9/6/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
9/6/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/6/2018	DRUM_7_UNIT 5	PGAE	Sierra	30.2	market optimization	0.0
9/6/2018	ENCINA_7_GT1	SDGE	San Diego-IV	11.2	market optimization	0.0
9/6/2018	GARNET_2_HYDRO	SCE	LA Basin	0.6	market optimization	0.0
9/6/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/6/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	0.0
9/6/2018	HUMBPP_1_UNITS3_2	PGAE	Humboldt	4.5	market optimization	4.5
9/6/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	6.8	market optimization	0.0
9/6/2018	HUMBPP_6_UNITS_2	PGAE	Humboldt	3.8	market optimization	0.0
9/6/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
9/6/2018	HUMBPP_6_UNITS_4	PGAE	Humboldt	9.1	market optimization	0.0
9/6/2018	MIDWY3_2_MDSSR1	SDGE		20.0	market optimization	0.0
9/6/2018	MNDALY_6_MCGRTH	SCE	Big Creek-Ventura	0.1	market optimization	0.0
9/6/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	40.0	market optimization	0.0
9/6/2018	NAROW2_2_UNIT	PGAE	Sierra	6.9	market optimization	0.0
9/6/2018	OXMTN_6_LNDFIL	PGAE	Bay Area	9.8	market optimization	0.0
9/6/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	2.3	market optimization	0.0
9/6/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	5.8	market optimization	0.0
9/6/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	3.6	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/6/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	11.0	market optimization	0.0
9/6/2018	RTREE_2_WIND1	SCE	CAISO System	35.0	market optimization	0.0
9/6/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
9/6/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/6/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
9/6/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
9/7/2018	ANZA_6_SOLAR1	SDGE		3.6	market optimization	0.0
9/7/2018	CAMCHE_1_PL1X3	PGAE	Stockton	0.8	market optimization	0.0
9/7/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/7/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
9/7/2018	RTREE_2_WIND1	SCE	CAISO System	3.0	market optimization	0.0
9/8/2018	ANZA_6_SOLAR1	SDGE		3.3	market optimization	0.0
9/8/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/8/2018	DRUM_7_PL1X2	PGAE	Sierra	20.6	market optimization	0.0
9/8/2018	METEC_2_PL1X3_2X1	PGAE	Bay Area	527.0	market optimization	0.0
9/8/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
9/8/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/8/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
9/8/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
9/8/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	2.3
9/8/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	9.5
9/8/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	27.6
9/9/2018	ANZA_6_SOLAR1	SDGE		3.3	market optimization	0.0
9/9/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/9/2018	GRNVLY_7_SCLAND	PGAE	CAISO System	2.0	market optimization	0.0
9/9/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	15.5	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/9/2018	SBERDO_2_PSP3_C2	SCE	LA Basin	10.0	market optimization	0.0
9/9/2018	SBERDO_2_PSP4_C2	SCE	LA Basin	10.0	market optimization	0.0
9/9/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/9/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
9/10/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/10/2018	ANZA_6_SOLAR1	SDGE		20.0	market optimization	0.0
9/10/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
9/10/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/10/2018	GONZLS_6_UNIT	PGAE	CAISO System	1.4	market optimization	0.0
9/10/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/10/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.3	market optimization	0.0
9/10/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	45.0	market optimization	0.0
9/10/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	3.2	market optimization	0.0
9/10/2018	SLYCRK_1_UNIT 1	PGAE	Sierra	2.8	market optimization	0.0
9/10/2018	VERNON_6_GONZL1	VERN	LA Basin	0.0	market optimization	0.0
9/10/2018	VERNON_6_GONZL2	VERN	LA Basin	0.3	market optimization	0.0
9/10/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
9/11/2018	ANZA_6_SOLAR1	SDGE		2.9	market optimization	0.0
9/11/2018	BREGGO_6_SOLAR	SDGE	San Diego-IV	14.4	market optimization	0.0
9/11/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/11/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/11/2018	NOVATO_6_LNDFL	PGAE	NCNB	0.5	market optimization	0.0
9/11/2018	PEABDY_2_LNDFL1	PGAE	CAISO System	0.4	market optimization	0.0
9/11/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	5.4	market optimization	0.0
9/11/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	19.5	market optimization	0.0
9/11/2018	RCKCRK_7_UNIT 2	PGAE	Sierra	22.5	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/11/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/11/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	27.6
9/12/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/12/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/12/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
9/12/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/12/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/12/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.3
9/12/2018	MNDALY_6_MCGRTH	SCE	Big Creek-Ventura	0.1	market optimization	0.0
9/12/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
9/12/2018	WALCRK_2_CTG2	SCE	LA Basin	0.4	market optimization	0.0
9/13/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/13/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/13/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
9/13/2018	BOGUE_1_UNITA1	PGAE	Sierra	47.6	market optimization	27.6
9/13/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/13/2018	ELCAJN_6_UNITA1_CT2	SDGE	San Diego-IV	40.0	market optimization	0.0
9/13/2018	ESCENDO_6_PL1X2	SDGE	San Diego-IV	2.7	market optimization	0.0
9/13/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/13/2018	HATLOS_6_LSCRK	PGAE	CAISO System	0.3	market optimization	0.0
9/13/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	45.0	market optimization	0.0
9/13/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
9/13/2018	TRNQLT_2_SOLAR	PGAE	Fresno	42.9	market optimization	0.0
9/13/2018	VERNON_6_GONZL1	VERN	LA Basin	0.0	market optimization	0.0
9/13/2018	VERNON_6_GONZL2	VERN	LA Basin	0.3	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/13/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
9/13/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/13/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
9/13/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
9/14/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/14/2018	ANAHM_2_CANYN4	ANHM	LA Basin	20.0	market optimization	0.0
9/14/2018	ANZA_6_SOLAR1	SDGE		8.2	market optimization	0.0
9/14/2018	BOGUE_1_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
9/14/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	12.9	market optimization	0.0
9/14/2018	ELCAJN_6_UNITA1_CT2	SDGE	San Diego-IV	45.4	market optimization	0.0
9/14/2018	ESCND0_6_PL1X2	SDGE	San Diego-IV	2.7	market optimization	0.0
9/14/2018	FMEADO_6_HELLHL	PGAE	Sierra	0.4	market optimization	0.0
9/14/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/14/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	45.0	market optimization	0.0
9/14/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	12.6	market optimization	0.0
9/14/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	2.5	market optimization	0.0
9/14/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	3.9	market optimization	0.0
9/14/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
9/14/2018	RTREE_2_WIND1	SCE	CAISO System	1.5	market optimization	0.0
9/14/2018	TRNQLT_2_SOLAR	PGAE	Fresno	124.3	market optimization	0.0
9/14/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
9/14/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
9/15/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/15/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/15/2018	ANZA_6_SOLAR1	SDGE		7.7	market optimization	0.0
9/15/2018	AVENAL_6_AVSLR1	PGAE	Fresno	4.4	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/15/2018	AVENAL_6_AVSLR2	PGAE	Fresno	4.4	market optimization	0.0
9/15/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	11.3	market optimization	0.0
9/15/2018	ELCAJN_6_UNITA1_CT2	SDGE	San Diego-IV	40.0	market optimization	0.0
9/15/2018	ESCND0_6_PL1X2	SDGE	San Diego-IV	2.7	market optimization	0.0
9/15/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/15/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/15/2018	IVWEST_2_SOLAR1	SDGE	San Diego-IV	74.8	market optimization	0.0
9/15/2018	MRGT_6_MEF2	SDGE	San Diego-IV	1.0	market optimization	0.0
9/15/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	46.0	market optimization	0.0
9/15/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	22.9	market optimization	0.0
9/15/2018	RTREE_2_WIND1	SCE	CAISO System	1.3	market optimization	0.0
9/15/2018	TRNQLT_2_SOLAR	PGAE	Fresno	26.6	market optimization	0.0
9/15/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
9/15/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/15/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
9/15/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	0.0
9/15/2018	YUBACT_6_UNITA1	PGAE	Sierra	47.6	market optimization	27.6
9/16/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/16/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/16/2018	ANZA_6_SOLAR1	SDGE		8.2	market optimization	0.0
9/16/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	12.9	market optimization	0.0
9/16/2018	ELCAJN_6_UNITA1_CT2	SDGE	San Diego-IV	45.4	market optimization	0.0
9/16/2018	ESCND0_6_PL1X2	SDGE	San Diego-IV	2.7	market optimization	0.0
9/16/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/16/2018	MNDALY_6_MCGRTH	SCE	Big Creek-Ventura	0.1	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/16/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	45.0	market optimization	0.0
9/16/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	12.0	market optimization	0.0
9/16/2018	PSWEET_1_STCRUZ	PGAE	CAISO System	1.0	market optimization	0.0
9/16/2018	RTREE_2_WIND1	SCE	CAISO System	0.3	market optimization	0.0
9/16/2018	SBERDO_2_PSP3_C2	SCE	LA Basin	8.0	market optimization	0.0
9/16/2018	TRNQLT_2_SOLAR	PGAE	Fresno	28.3	market optimization	0.0
9/16/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
9/16/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
9/16/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
9/17/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/17/2018	ANZA_6_SOLAR1	SDGE		2.1	market optimization	0.0
9/17/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/17/2018	COPMT4_2_SOLAR4	SCE	CAISO System	58.8	market optimization	0.0
9/17/2018	GARNET_2_HYDRO	SCE	LA Basin	0.6	market optimization	0.0
9/17/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.2	market optimization	0.0
9/17/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/17/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
9/17/2018	MRCHNT_2_PL1X3_2X1	SCE	CAISO System	25.8	market optimization	0.0
9/17/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	40.0	market optimization	0.0
9/17/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
9/17/2018	SAUGUS_6_MWDFTH	SCE	Big Creek-Ventura	0.4	market optimization	0.0
9/17/2018	SGREGY_6_SANGER	PGAE	Fresno	3.0	market optimization	0.0
9/17/2018	TENGEN_2_PL1X2	SCE	Big Creek-Ventura	1.4	market optimization	0.0
9/17/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
9/18/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/18/2018	ANZA_6_SOLAR1	SDGE		8.2	market optimization	0.0
9/18/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	12.9	market optimization	0.0
9/18/2018	ESQUON_6_LNDFIL	PGAE	CAISO System	2.1	market optimization	0.0
9/18/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/18/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/18/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	4.3	market optimization	0.0
9/18/2018	HYTTHM_2_UNITS	CWRP	CAISO System	45.0	market optimization	0.0
9/18/2018	KERKH2_7_UNIT 1	PGAE	Fresno	70.0	market optimization	0.0
9/18/2018	MNDALY_6_MCGRTH	SCE	Big Creek-Ventura	0.1	market optimization	0.0
9/18/2018	TRNQLT_2_SOLAR	PGAE	Fresno	14.6	market optimization	0.0
9/18/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
9/18/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/19/2018	ANAHM_2_CANYN4	ANHM	LA Basin	14.9	market optimization	0.0
9/19/2018	ANZA_6_SOLAR1	SDGE		8.2	market optimization	0.0
9/19/2018	ARLVAL_5_SOLAR	SDGE	CAISO Import	17.7	market optimization	0.0
9/19/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	12.9	market optimization	0.0
9/19/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/19/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/19/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
9/19/2018	NAVYII_2_UNITS	SCE	CAISO System	11.7	market optimization	0.0
9/19/2018	PEABDY_2_LNDFL1	PGAE	CAISO System	0.4	market optimization	0.0
9/19/2018	SANLOB_1_LNDFIL	PGAE	CAISO System	1.5	market optimization	0.0
9/19/2018	TRNQLT_2_SOLAR	PGAE	Fresno	19.0	market optimization	0.0
9/20/2018	ANZA_6_SOLAR1	SDGE		1.9	market optimization	0.0
9/20/2018	BNNIEN_7_ALTAPH	PGAE	Sierra	0.6	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/20/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/20/2018	DEERCR_6_UNIT 1	PGAE	Sierra	0.2	market optimization	0.0
9/20/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/20/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
9/20/2018	OXMTN_6_LNDFIL	PGAE	Bay Area	10.6	market optimization	0.0
9/20/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
9/21/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/21/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/21/2018	ANZA_6_SOLAR1	SDGE		2.1	market optimization	0.0
9/21/2018	BREGGO_6_SOLAR	SDGE	San Diego-IV	12.2	market optimization	0.0
9/21/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/21/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/21/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/21/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
9/21/2018	MRGT_6_MEF2	SDGE	San Diego-IV	3.9	market optimization	0.0
9/21/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	2.6	market optimization	0.0
9/21/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	6.2	market optimization	0.0
9/21/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	0.7	market optimization	0.0
9/21/2018	SLYCRK_1_UNIT 1	PGAE	Sierra	2.3	market optimization	0.0
9/22/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/22/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/22/2018	ANZA_6_SOLAR1	SDGE		1.6	market optimization	0.0
9/22/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/22/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/22/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/22/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	45.0	market optimization	0.0

Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/22/2018	OLDRIV_6_LKVB1	PGAE	Kern	0.1	market optimization	0.0
9/22/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	12.0	market optimization	0.0
9/22/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	18.0	market optimization	0.0
9/22/2018	RTREE_2_WIND1	SCE	CAISO System	1.7	market optimization	0.0
9/22/2018	WALCRK_2_C1G1	SCE	LA Basin	0.4	market optimization	0.0
9/22/2018	WALCRK_2_C1G2	SCE	LA Basin	0.9	market optimization	0.0
9/22/2018	WALCRK_2_C1G3	SCE	LA Basin	0.7	market optimization	0.0
9/22/2018	WALCRK_2_C1G4	SCE	LA Basin	0.5	market optimization	0.0
9/22/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
9/23/2018	ANZA_6_SOLAR1	SDGE		1.4	market optimization	0.0
9/23/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/23/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/23/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/23/2018	OLDRIV_6_LKVB1	PGAE	Kern	0.2	market optimization	0.0
9/23/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	19.5	market optimization	0.0
9/23/2018	PSWEET_1_STCRUZ	PGAE	CAISO System	1.0	market optimization	0.0
9/23/2018	WALCRK_2_C1G2	SCE	LA Basin	0.4	market optimization	0.0
9/23/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0
9/24/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/24/2018	ANZA_6_SOLAR1	SDGE		1.2	market optimization	0.0
9/24/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/24/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/24/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/24/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
9/24/2018	OLDRIV_6_LKVB1	PGAE	Kern	0.1	market optimization	0.0
9/24/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/25/2018	ANZA_6_SOLAR1	SDGE		1.0	market optimization	0.0
9/25/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/25/2018	DONNLS_7_UNIT	NCPA	Stockton	72.0	market optimization	0.0
9/25/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/25/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/25/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	4.5	market optimization	0.0
9/25/2018	MALIN_5_GCPDDYN	PGAE		63.0	market optimization	0.0
9/25/2018	NOVATO_6_LNDFL	PGAE	NCNB	0.5	market optimization	0.0
9/25/2018	OLDRIV_6_LKVBM1	PGAE	Kern	0.1	market optimization	0.0
9/25/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	18.0	market optimization	0.0
9/25/2018	WHEATL_6_LNDFIL	PGAE	Sierra	1.5	market optimization	0.0
9/26/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/26/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/26/2018	ANZA_6_SOLAR1	SDGE		4.3	market optimization	0.0
9/26/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/26/2018	GARNET_2_HYDRO	SCE	LA Basin	0.6	market optimization	0.0
9/26/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/26/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/26/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	45.0	market optimization	0.0
9/26/2018	OLDRIV_6_LKVBM1	PGAE	Kern	0.1	market optimization	0.0
9/26/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	3.8	market optimization	0.0
9/26/2018	PLMSSR_6_HISIER	NCPA		3.0	market optimization	0.0
9/26/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
9/26/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/26/2018	WALCRK_2_CTG3	SCE	LA Basin	0.7	market optimization	0.0
9/26/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/27/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/27/2018	ANZA_6_SOLAR1	SDGE		4.4	market optimization	0.0
9/27/2018	BUCKBL_2_PL1X3_C6	SCE	CAISO System	3.6	market optimization	0.0
9/27/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/27/2018	CORRAL_6_SJOAQN	PGAE	CAISO System	4.3	market optimization	0.0
9/27/2018	CSTOGA_6_LNDFIL	PGAE	NCNB	0.6	market optimization	0.0
9/27/2018	ELCAJN_6_UNITA1_CT2	SDGE	San Diego-IV	45.4	market optimization	0.0
9/27/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/27/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/27/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.3
9/27/2018	HUMBPP_1_UNITS3_3	PGAE	Humboldt	5.5	market optimization	0.0
9/27/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	6.8	market optimization	0.0
9/27/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	40.0	market optimization	0.0
9/27/2018	NHOGAN_6_UNITS	PGAE	CAISO System	1.0	market optimization	0.0
9/27/2018	PIOPIC_2_CTG1	SDGE	San Diego-IV	0.4	market optimization	0.0
9/27/2018	PIOPIC_2_CTG2	SDGE	San Diego-IV	4.1	market optimization	0.0
9/27/2018	PIOPIC_2_CTG3	SDGE	San Diego-IV	1.9	market optimization	0.0
9/27/2018	RTREE_2_WIND1	SCE	CAISO System	0.4	market optimization	0.0
9/28/2018	ANAHM_2_CANYN4	ANHM	LA Basin	21.3	market optimization	0.0
9/28/2018	ANZA_6_SOLAR1	SDGE		4.4	market optimization	0.0
9/28/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/28/2018	CSTOGA_6_LNDFIL	PGAE	NCNB	0.6	market optimization	0.0
9/28/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/28/2018	HUMBPP_1_UNITS3_1	PGAE	Humboldt	0.3	market optimization	0.0
9/28/2018	HUMBPP_6_UNITS_3	PGAE	Humboldt	4.9	market optimization	0.0
9/28/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	45.0	market optimization	0.0

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Date	Resource	UDC	Local Area	Non RA MW	Reason	RUC award
9/28/2018	OLDRIV_6_LKVB1	PGAE	Kern	0.1	market optimization	0.0
9/28/2018	RTREE_2_WIND1	SCE	CAISO System	2.0	market optimization	0.0
9/28/2018	WALCRK_2_CTG3	SCE	LA Basin	0.2	market optimization	0.0
9/29/2018	ANAHM_7_CT	ANHM	LA Basin	18.3	market optimization	0.0
9/29/2018	ANZA_6_SOLAR1	SDGE		3.0	market optimization	0.0
9/29/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/29/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/29/2018	OLDRIV_6_LKVB1	PGAE	Kern	0.2	market optimization	0.0
9/29/2018	PHOENX_1_UNIT	PGAE	Stockton	0.8	market optimization	0.0
9/30/2018	ANAHM_2_CANYN2	ANHM	LA Basin	3.7	market optimization	0.0
9/30/2018	ANZA_6_SOLAR1	SDGE		1.8	market optimization	0.0
9/30/2018	CNTNLA_2_SOLAR2	SDGE	San Diego-IV	5.0	market optimization	0.0
9/30/2018	GRIDLY_6_SOLAR	PGAE	Sierra	0.1	market optimization	0.0
9/30/2018	MNDALY_6_MCGRTH	SCE	Big Creek-Ventura	0.1	market optimization	0.0
9/30/2018	MRGT_6_MMAREF	SDGE	San Diego-IV	40.0	market optimization	0.0
9/30/2018	PALOMR_2_PL1X3_2X1_DF	SDGE	San Diego-IV	12.0	market optimization	0.0
9/30/2018	PEABDY_2_LNDFL1	PGAE	CAISO System	0.4	market optimization	0.0
9/30/2018	PNCHEG_2_PL1X4_4	PGAE	CAISO System	20.0	market optimization	0.0
9/30/2018	SRINTL_6_UNIT	PGAE	Bay Area	0.9	market optimization	0.0
9/30/2018	WALCRK_2_CTG1	SCE	LA Basin	0.4	market optimization	0.0
9/30/2018	WALCRK_2_CTG2	SCE	LA Basin	0.9	market optimization	0.0
9/30/2018	WALCRK_2_CTG4	SCE	LA Basin	0.5	market optimization	0.0
9/30/2018	YUBACT_6_UNITA1	PGAE	Sierra	20.0	market optimization	0.0