

January 22, 2024

The Honorable Debbie-Anne A. Reese Acting Secretary Federal Energy Regulatory Commission 888 First Street. NE Washington, DC 20426

> Re: **California Independent System Operator Corporation**

Docket No. ER15-861-

Western Energy Imbalance Market – Fourth Quarter 2023

Available Balancing Capacity Report

Dear Acting Secretary Reese:

The California Independent System Operator Corporation (CAISO) hereby submits its guarterly informational report for the fourth guarter of 2023 (from October 1 up to and including December 31, 2023) on the Available Balancing Capacity (ABC) enhancement for the Western Energy Imbalance Market (WEIM). The purpose of the quarterly informational report is to provide the Commission with information on the performance of the ABC enhancement and to provide the same information the CAISO provides in its monthly informational reports submitted during a WEIM Entity's first six-month transition period.

Consistent with the Commission's directive in the December 17, 2015 order, the CAISO will continue to file such quarterly reports for at least the first year after implementation of the ABC enhancement, or until the Commission finds the quarterly informational reports are no longer needed.

Please contact the undersigned with any questions.

Respectfully submitted

By: /s/ John Anders

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Western Energy Imbalance Market October 1 – December 31, 2023 Available Balancing Capacity Report

January 20, 2024

Table of Contents

I.	Back	kground	
II. Availa		kgroundlable Balancing Capacitylable Balancing Capacity	4
	A.	ABC Submitted to the Market	4
	В.	ABC Awarded by the Market	7
	C.	ABC and Power Balance Constraint Infeasibilities	8
III.	WEII	M Performance	11
	A.	ELAP Prices	11
	B.	Balancing Test Failures	12
	C	Flexible Ramp Sufficiency Test Failures	14

I. Background

On December 17, 2015, the Federal Energy Regulatory Commission (Commission) approved the California Independent System Operator Corporation's (CAISO) proposed tariff revisions to comply with the Commission's July 20, 2015 order in FERC Docket No. ER15-861-006.¹ The CAISO's proposed tariff provisions enhanced the Western Energy Imbalance Market (WEIM) functionality so that the market systems automatically recognize and account for capacity a WEIM entity has available to maintain reliable operations in its own balancing authority area (BAA), but has not been bid into the WEIM.² This enhancement is referred to as the Available Balancing Capacity (ABC) enhancement. The CAISO implemented the ABC enhancement on March 23, 2016.

Consistent with the CAISO's commitments made in this proceeding, the Commission directed the CAISO to prepare and file with the Commission quarterly informational reports for at least the first year after implementation of the ABC enhancement, and until the Commission finds the quarterly informational reports are no longer needed.³ The quarterly informational reports are to provide information on the performance of the ABC enhancement and to include the same information the CAISO provides in its monthly transitional period report submitted during a WEIM entity's first six-month transition period.⁴ There were no WEIM entities undergoing a transition period during this quarter.

¹ Cal. Indep. Sys. Operator Corp., 152 FERC ¶ 61,060 (2015) (July 20 Order); and Cal. Indep. Sys. Operator Corp., 153 FERC ¶ 61, 305 (2015) (December 17 Order).

December 17 Order at P 1.

³ December 17 Order at P 99

⁴ December 17 Order at P 39.

II. Available Balancing Capacity

A. ABC Submitted to the Market

Each WEIM entity can identify and choose the amount of ABC they will make available to the CAISO and the resources supporting this capacity through its resource plan. The WEIM entity submits this capacity to the CAISO on an hourly basis, and it is available for both the Fifteen-Minute Market (FMM) and the five-minute Real-Time Dispatch (RTD). The data in this section shows the ABC bid into, and awarded by, the market in each of the WEIM BAAs for each month within the quarter.

Table 1 below summarizes the percentage of hours in which each WEIM entity submitted upward and downward ABC bids to the WEIM for each month within the quarter. Many entities submitted ABC for nearly all intervals in each month with some exceptions. AVRN, EPE, and IPCO did not submit any ABC to the WEIM during the quarter.

Table 1: Frequency of ABC Submitted to the WEIM

	Octob	er 2023	Novem	ber 2023	December 2023	
BAA	Upward	Downward	Upward	Downward	Upward	Downward
	Capacity	Capacity	Capacity	Capacity	Capacity	Capacity
AVA	99.87%	99.87%	100.00%	99.86%	100.00%	99.73%
AVRN						
AZPS	98.25%	98.66%	97.50%	98.61%	97.04%	95.03%
BANC	99.87%	99.87%	100.00%	100.00%	100.00%	100.00%
BCHA	99.19%	99.87%	100.00%	100.00%	100.00%	100.00%
BPA	99.87%	99.87%	100.00%	100.00%	100.00%	100.00%
EPE						
IPCO						
LADWP	94.89%		98.47%	0.14%	100.00%	0.00%
NEVP	99.46%	87.63%	99.45%	81.83%	99.60%	91.80%
NWMT	94.76%	99.87%	94.87%	99.72%	96.51%	100.00%
PACE	49.87%	90.73%	16.09%	31.48%	6.45%	3.36%
PACW	7.66%	12.10%	20.53%	15.67%	3.09%	2.96%
PGE	99.60%		98.89%		98.39%	0.00%
PNM		81.85%	5.96%	95.70%	0.00%	86.02%
PSEI					1.75%	1.75%
SCL	15.59%		9.02%			
SRP	99.73%	96.77%	99.86%	97.23%	100.00%	97.85%
TEP	99.60%	99.33%	99.72%	100.00%	99.73%	100.00%
TIDC	99.87%	99.87%	100.00%	100.00%	100.00%	100.00%
TPWR	98.79%	98.92%	99.86%	99.86%	100.00%	100.00%
WALC	99.73%	99.06%	100.00%	99.72%	100.00%	99.46%

Table 2 below shows the average ABC capacity, in MW, which each WEIM entity submitted to the WEIM for each month within the quarter. Powerex (BCHA) consistently submitted the highest average ABC capacity to the WEIM in both the upward and downward directions.

Table 2: Average ABC Capacity Submitted to the WEIM

	Octob	er 2023	Novem	oer 2023	December 2023	
BAA	Upward Capacity (MW)	Downward Capacity (MW)	Upward Capacity (MW)	Downward Capacity (MW)	Upward Capacity (MW)	Downward Capacity (MW)
AVA	20	20	20	20	20	20
AVRN						
AZPS	19.99	20	20	19.98	19.98	19.97
BANC	13.93	36.73	17.29	39.11	15.92	41.96
BCHA	596.92	299.9	598.4	300	598.81	300
BPA	156.59	163.86	157.55	166.89	156.2	164.64
EPE						
IPCO						
LADWP	59.46		59.08	65	59.93	
NEVP	24.26	32	35.48	32.26	28.36	30.8
NWMT	5	5	5	5	5	5
PACE	25.82	75.78	28.05	43.44	21.79	53.03
PACW	38.68	54.42	29.76	30.8	25.39	33.64
PGE	29.94		30.01		29.95	
PNM		30.54	24.07	31.27		28.57
PSEI					1	33
SCL	49.43		46.92			
SRP	21.19	30.26	24.12	29.83	24.35	27.55
TEP	12.44	28.13	12.6	18.33	15.93	23.55
TIDC	12.63	5	10.51	5	14.99	5
TPWR	1.03	1.39	0.95	1.68	0.96	2.17
WALC	17.56	17.21	17.43	17.2	17.52	17.37

Table 3 below shows the maximum ABC capacity, in MW, which each WEIM entity submitted to the WEIM for each month within the quarter. The highest ABC bid was submitted by BCHA in the upward direction for 1000 MW, which was consistent across all three months of the quarter.

Table 3: Maximum ABC Capacity Submitted to the WEIM

	Octob	October 2023		November 2023		ber 2023
ВАА	Upward	Downward	Upward	Downward	Upward	Downward
	Capacity	Capacity	Capacity	Capacity	Capacity	Capacity
	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)

			_			
AVA	20	20	20	20	20	20
AVRN						
AZPS	20	20	20	20	20	20
BANC	105	140	76	135	60	84
BCHA	1000	500	1000	500	1000	500
BPA	332	310	582	696	294	298
EPE						
IPCO						
LADWP	100		60	75	60	
NEVP	40	40	40	40	40	40
NWMT	5	5	5	5	5	5.9
PACE	50	115	80	90	40	90
PACW	90	125	100	40	100	40
PGE	30		40		30	
PNM		70	25	75		80
PSEI					1	33
SCL	70		60			
SRP	100	50	100	50	100	50
TEP	40	49	33	36	40	41
TIDC	15	5	15	5	15	5
TPWR	5	2	5	3.2	1.1	3.6
WALC	50	20	20	20	50	20

Table 4 below shows the number of different resources supporting the ABC that the WEIM entities bid into the WEIM in both the upward and downward directions, for each month within the quarter. A maximum of 20 resources supported upward ABC capacity bids submitted by SRP. Some entities used as few as one resource to support their ABC bids.

Table 4: Number of Resources Supporting ABC

	October 2023		Novemi	oer 2023	December 2023	
BAA	Upward Capacity	Downward Capacity	Upward Capacity	Downward Capacity	Upward Capacity	Downward Capacity
AVA	7	7	8	8	8	8
AVRN						
AZPS	6	6	7	7	3	3
BANC	13	10	12	8	13	9
ВСНА	2	2	2	2	2	2
BPA	2	3	2	2	3	3
EPE						
IPCO						
LADWP	3		2	3	1	
NEVP	11	11	9	10	10	11
NWMT	3	3	2	2	2	2
PACE	13	13	5	5	3	5

PACW	1	3	2	1	1	1
PGE	4		2		2	
PNM		9	3	9		7
PSEI					1	1
SCL	2		1			1
SRP	20	19	20	15	13	11
TEP	17	15	16	14	17	12
TIDC	4	2	5	2	1	1
TPWR	3	3	4	4	4	4
WALC	3	5	3	4	2	4

B. ABC Awarded by the Market

Table 5 below shows the frequency of each WEIM entities' dispatched ABC for the FMM market, when the WEIM entities made ABC available, for each month within the quarter. Overall, the market dispatched ABC quite infrequently throughout the quarter. The highest frequency of ABC dispatch in FMM occurred in October 2023 for PNM's bid-in downward ABC capacity. Often, the market dispatched ABC around or less than 1 percent of the time during the month.

Table 5: Frequency of ABC Dispatched by WEIM in the FMM

	October 2023		November 2023		December 2023	
BAA	Upward Capacity	Downward Capacity	Upward Capacity	Downward Capacity	Upward Capacity	Downward Capacity
AVA				0.04%		
AVRN						
AZPS				0.10%		0.40%
BANC				0.04%		
BCHA			0.07%	0.07%		
BPA		0.13%	0.10%		0.03%	0.03%
EPE						
IPCO						
LADWP	0.27%					
NEVP		0.03%	0.04%	0.17%	0.03%	0.20%
NWMT						
PACE						
PACW						
PGE	0.07%					
PNM		2.29%	0.04%	2.12%		0.74%
PSEI					0.03%	
SCL	0.03%					
SRP	0.57%	0.07%	0.62%	0.07%	0.74%	0.07%
TEP	0.20%	0.13%	0.10%	0.04%		
TIDC	0.03%					

TPWR	0.03%					
WALC	0.10%	0.20%	0.14%	0.90%	0.13%	0.10%

Table 6 below shows the frequency of each WEIM entities' dispatched ABC for the RTD market, when the WEIM entities made ABC available, for each month within the quarter. Overall, the market dispatched ABC infrequently throughout the quarter. The highest frequency of ABC dispatch in RTD occurred in November 2023 on SRP's bid-in upward ABC capacity. Often, the market dispatched ABC less than or around 1 percent of the time during the month.

Table 6: Frequency of ABC Dispatched by WEIM in the RTD

	Octo	ber 2023	Noven	nber 2023	December 2023	
BAA	Upward Capacity	Downward Capacity	Upward Capacity	Downward Capacity	Upward Capacity	Downward Capacity
AVA	0.01%		0.01%	0.07%	0.09%	
AVRN						
AZPS	0.16%		0.02%		0.15%	0.44%
BANC	0.54%	0.07%	0.14%	0.05%	0.27%	
BCHA		0.74%	0.04%	0.43%		0.72%
BPA	0.27%	0.02%	0.14%			
EPE						
IPCO						
LADWP	0.45%		0.06%		0.08%	
NEVP	0.21%	0.22%	0.13%	0.14%	0.01%	0.38%
NWMT	0.05%				0.11%	
PACE	0.01%	0.53%		0.17%		0.56%
PACW						
PGE	0.03%					
PNM		0.69%		1.40%		0.62%
PSEI						
SCL	0.03%					
SRP	1.75%	0.43%	3.11%	0.35%	1.17%	0.13%
TEP	0.29%	0.11%	0.08%	0.04%	0.11%	0.08%
TIDC			0.05%		0.01%	
TPWR	0.09%		0.02%	0.09%		
WALC	0.27%	0.12%	0.30%	0.07%	0.09%	0.11%

C. ABC and Power Balance Constraint Infeasibilities

The purpose of the ABC enhancement is to make capacity available that otherwise would not be visible to the WEIM. The primary objective in making such capacity available is that the WEIM can recognize and access that capacity when the conditions warrant its

use, namely when the WEIM is running out of capacity made available through economic bids. The ABC is capacity stacked above economic bids, but below the power balance constraint relaxation penalty price. When the market is tight in supply and it has exhausted all effective economic bids, the market clearing process will access the ABC. If there is sufficient ABC, the WEIM will relax the power balance constraint to clear the market. As such, the market clearing process uses the ABC to resolve the power balance infeasibility. If instead the ABC identified is not sufficient to cure the infeasibility, the ABC may be exhausted and there may still be the need to relax the power balance constraint in order to clear the WEIM.

Table 7 below shows the frequency of intervals in which the WEIM entities did not make any ABC available to the WEIM, when there was a power balance infeasibility for each month within the quarter, in the FMM. Specifically, the data in the table below provides the percentage amount of over-supply infeasibilities where downward ABC was needed, and under-supply infeasibilities where upward ABC was needed. No data indicates that there were no infeasibilities during the period. A metric of 0 percent indicates that in all intervals when there was an infeasibility observed, the WEIM entity did submit ABC to the WEIM. A metric of 100 percent indicates that in all intervals when there was an infeasibility observed, the WEIM entity did not submit any ABC to the WEIM.

These instances occurred relatively infrequently throughout the quarter, indicating that the WEIM entities typically had submitted ABC bids during instances when infeasibilities were observed.

Table 7: Frequency of Power Balance Infeasibilities When ABC was not Submitted in FMM

	Octo	October 2023		ember 2023	Dece	December 2023	
BAA	Over- supply	Under- supply	Over- supply	Under- supply	Over- supply	Under- supply	
AVA							
AVRN							
AZPS					0%		
BANC							
ВСНА			0%	0%			
BPA				0%			
EPE		100%		100%	100%	100%	
IPCO				100%			
LADWP							
NEVP			100%				
NWMT							
PACE							
PACW		100%					
PGE		0%					

PNM		100%		100%		100%
PSEI		100%		100%		
SCL			100%		100%	
SRP	0%	0%		25%		0%
TEP	0%					
TIDC						
TPWR		0%				
WALC	0%		0%	0%		0%

Table 8 below shows the frequency of intervals in which the WEIM entities did not make any ABC available to the WEIM, when there was a power balance infeasibility for each month within the quarter, in the RTD. Instances of observed infeasibilities with no submitted ABC occurred more frequently in RTD than FMM.

Table 8: Frequency of Power Balance Infeasibilities When ABC was not Submitted in RTD

ВАА	October 2023		November 2023		December 2023	
	Over- supply	Under- supply	Over- supply	Under- supply	Over- supply	Under- supply
AVA			0%			0%
AVRN						
AZPS		0%		0%	8%	8%
BANC						0%
ВСНА			0%	0%		
BPA				0%		
EPE		100%	100%	100%	100%	100%
IPCO						
LADWP		0%				
NEVP		0%	100%	0%	0%	0%
NWMT		0%				0%
PACE	0%	0%				
PACW		100%		100%		
PGE		0%		0%		
PNM	75%	100%		87%		100%
PSEI		100%		100%		
SCL		0%	100%	100%	100%	
SRP	0%	0%	0%	0%	0%	0%
TEP	0%	0%				0%
TIDC						
TPWR		0%	0%	0%		
WALC	0%	0%		0%		0%

III. WEIM Performance

This section provides the information the CAISO previously provided in its monthly transition period report submitted during a WEIM entity's first six-month transition period.

A. ELAP Prices

The figures in this section show the WEIM load aggregation point (ELAP) prices⁵ for the FMM and RTD in each WEIM BAA. In prior reports, the CAISO provided these factual prices in comparison to counterfactual prices in order to show the effect of using the pricing waiver of the price discovery mechanism.⁶

The CAISO may correct prices posted on its Open Access Same-time Information System (OASIS) pursuant to the CAISO's price correction authority in section 35 of the CAISO tariff, if it finds: (1) that the prices were the product of an invalid market solution; or (2) the market solution produced an invalid price due to data input failures, hardware or software failures; or (3) a result that is inconsistent with the CAISO Tariff.

The prices presented in the figures below include all prices produced by the CAISO consistent with the CAISO tariff requirements. That is, the trends below represent: (1) prices as produced in the market for which the CAISO deemed valid; (2) prices that the CAISO could and did correct pursuant to section 35; and (3) any prices the CAISO adjusted pursuant to transition period pricing reflected in section 29.27 of the CAISO tariff.

Table 9 below shows the average ELAP prices for all WEIM entities for each month within the quarter. Prices stayed within stable ranges throughout the transitional months into winter.

BAA	October 2023		November 2023		December 2023	
	FMM (\$/MWh)	RTD (\$/MWh)	FMM (\$/MWh)	RTD (\$/MWh)	FMM (\$/MWh)	RTD (\$/MWh)
AVA	63.37	68	54.98	55.48	46.58	47.83
AVRN	63.39	67.93	56.34	55.47	47.69	47.95
AZPS	34.19	40.42	44.82	46.38	38.32	40.52
BANC	59.25	56.99	62.06	61.8	52.85	53.3

Table 9: Average FMM and RTD ELAP Prices

⁵ The ELAP provides aggregate prices that are representative of pricing in the overall BAA.

⁶ In Docket ER15-402, the CAISO reported on prices based on the price discovery mechanism in effect during the term of the Commission's waiver granted in that docket and the prices as they would be if the waiver was not in effect, *i.e.*, what prices would have been had they been on the penalty prices in the CAISO tariff. Because pricing under the waiver pricing is based on the last economic bid price signal, these prices are a proxy of what the prices would have been absent the seven category of learning curve type issues experience in that market. The difference between the counterfactual pricing and the price in effect during the term of the reports in that docket illustrated the market impact of the waiver pricing.

BCHA	101.86	101.86	98.36	100.62	62	61.2
BPA	65.43	69.51	56.83	55.56	47.12	47.36
EPE	30.09	33.39	20.36	22.78	19.78	23.16
IPCO	55.95	60.75	53.49	53.7	45.18	45.97
LADWP	44.79	50.58	52.08	52.81	46.05	45.5
NEVP	37.51	43.55	47.89	49.82	41.73	42.68
NWMT	62.51	67.54	54.24	54.91	46.04	47.92
PACE	40.29	44.24	45.73	46.69	39.56	40.27
PACW	63.86	68.5	55.04	54.37	46.95	47.49
PGE	64.8	68.83	55.21	54.3	46.91	47.23
PNM	39.96	46.18	49.78	50.97	40.03	42.17
PSEI	68.94	74.35	58.46	55.67	47.7	47.43
SCL	63.93	68.49	54.77	55.04	46.57	46.99
SRP	33.99	37.51	44.47	48.67	37.59	39.07
TEP	32.58	37.73	44.74	45.94	38.61	40.27
TIDC	60.2	58.09	62.87	62.7	54.09	53.63
TPWR	64.38	68.71	55.31	54.47	46.88	47.08
WALC	33.59	38.24	45.34	47.17	39.64	40.33

B. Balancing Test Failures

The CAISO performs the balancing test pursuant to Section 29.34(k) of the CAISO tariff. BCHA is not subject to the balancing test.

Table 10 below shows the frequency that each WEIM entity passed the balancing test, as well as what percentage of balancing test failures were due to under-scheduling and over-scheduling, for each month within the quarter. Overall, the entities passed the balancing test at high frequencies throughout the quarter.

Table 10: Frequency of Passing Balancing Test

BAA	October 2023	November 2023	December 2023
AVA	98.92%	100.00%	99.46%
AVRN	99.73%	98.89%	99.06%
AZPS	98.12%	98.61%	96.77%
BANC	99.60%	99.31%	99.60%
ВСНА			
BPA	98.79%	99.03%	99.19%
EPE	99.60%	99.72%	99.73%
IPCO	99.87%	99.44%	99.73%
LADWP	99.33%	99.44%	99.19%
NEVP	95.42%	95.00%	96.90%
NWMT	99.06%	99.17%	99.06%
PACE	97.98%	97.50%	95.82%
PACW	97.58%	98.89%	97.98%

PGE	98.25%	98.75%	98.65%
PNM	91.92%	91.25%	95.42%
PSEI	97.17%	98.47%	98.92%
SCL	99.87%	99.44%	99.87%
SRP	98.38%	97.50%	98.25%
TEP	98.52%	98.61%	99.06%
TIDC	99.87%	99.72%	100.00%
TPWR	100.00%	99.72%	99.73%
WALC	99.06%	99.44%	99.06%

Table 11 below shows the frequency of balancing test failures due to over-scheduling and under-scheduling respectively, for each month of the quarter. Overall, balancing test failures were balanced between under-scheduling and over-scheduling conditions.

Table 11: Frequency of Balancing Test Failures due to Over-Scheduling and Under-Scheduling

	October 2023		November 2023		December 2023	
BAA	Over-	Under-	Over-	Under-	Over-	Under-
	scheduling	Scheduling	scheduling	Scheduling	scheduling	Scheduling
AVA	25.00%	75.00%	0.00%	0.00%	25.00%	75.00%
AVRN	0.00%	100.00%	37.50%	62.50%	0.00%	100.00%
AZPS	35.71%	64.29%	70.00%	30.00%	58.33%	41.67%
BANC	66.67%	33.33%	0.00%	100.00%	0.00%	100.00%
BCHA						
BPA	11.11%	88.89%	71.43%	28.57%	33.33%	66.67%
EPE	33.33%	66.67%	50.00%	50.00%	100.00%	0.00%
IPCO	100.00%	0.00%	50.00%	50.00%	50.00%	50.00%
LADWP	60.00%	40.00%	25.00%	75.00%	66.67%	33.33%
NEVP	38.24%	61.76%	41.67%	58.33%	47.83%	52.17%
NWMT	42.86%	57.14%	66.67%	33.33%	57.14%	42.86%
PACE	13.33%	86.67%	55.56%	44.44%	19.35%	80.65%
PACW	16.67%	83.33%	50.00%	50.00%	20.00%	80.00%
PGE	46.15%	53.85%	22.22%	77.78%	70.00%	30.00%
PNM	71.67%	28.33%	52.38%	47.62%	41.18%	58.82%
PSEI	4.76%	95.24%	0.00%	100.00%	12.50%	87.50%
SCL	0.00%	100.00%	25.00%	75.00%	100.00%	0.00%
SRP	41.67%	58.33%	22.22%	77.78%	23.08%	76.92%
TEP	36.36%	63.64%	40.00%	60.00%	57.14%	42.86%
TIDC	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%
TPWR	0.00%	0.00%	50.00%	50.00%	0.00%	100.00%
WALC	14.29%	85.71%	50.00%	50.00%	57.14%	42.86%

C. Flexible Ramp Sufficiency Test Failures

Table 12 below shows the frequency that each WEIM entity passed the flexible ramping sufficiency test in the upward and downward directions, for each month within the quarter. Generally, the entities passed the flexible ramp sufficiency test very frequently throughout the months in the quarter.

Table 12: Frequency of Passing Flexible Ramping Sufficiency Test

ВАА	October 2023		November 2023		December 2023	
	Upward Direction	Downward Direction	Upward Direction	Downward Direction	Upward Direction	Downward Direction
AVA	99.93%	100.00%	99.90%	99.93%	100.00%	100.00%
AVRN	99.93%	100.00%	99.93%	100.00%	99.83%	100.00%
AZPS	100.00%	100.00%	99.79%	100.00%	99.87%	99.66%
BANC	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
BCHA	100.00%	99.87%	99.86%	100.00%	100.00%	99.87%
BPA	99.93%	99.80%	99.55%	100.00%	100.00%	100.00%
EPE	99.60%	100.00%	99.83%	99.83%	99.90%	99.73%
IPCO	99.93%	100.00%	100.00%	99.93%	100.00%	100.00%
LADWP	100.00%	100.00%	100.00%	100.00%	99.93%	100.00%
NEVP	100.00%	99.90%	99.90%	99.86%	99.97%	100.00%
NWMT	99.83%	100.00%	99.97%	100.00%	99.90%	100.00%
PACE	100.00%	99.93%	100.00%	100.00%	100.00%	100.00%
PACW	99.97%	100.00%	99.97%	99.90%	99.93%	100.00%
PGE	99.36%	100.00%	99.97%	100.00%	100.00%	100.00%
PNM	98.15%	99.56%	98.09%	99.79%	99.66%	99.76%
PSEI	98.65%	100.00%	98.09%	100.00%	99.53%	100.00%
SCL	99.97%	100.00%	100.00%	99.24%	100.00%	99.76%
SRP	99.43%	100.00%	99.58%	99.93%	99.80%	99.97%
TEP	99.90%	100.00%	99.83%	100.00%	99.93%	100.00%
TIDC	100.00%	100.00%	100.00%	99.86%	100.00%	100.00%
TPWR	99.80%	100.00%	99.97%	99.97%	100.00%	100.00%
WALC	99.66%	99.23%	99.69%	99.76%	99.87%	99.93%

CERTIFICATE OF SERVICE

I hereby certify that I have served the foregoing document upon the parties listed on the official service list in the above-referenced proceeding, in accordance with the requirements of Rule 2010 of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2010).

Dated at Folsom, California, this 22nd day of January 2024.

Isl Ariana Rebancos Ariana Rebancos