

**Power & Water Resources Pooling  
Authority**

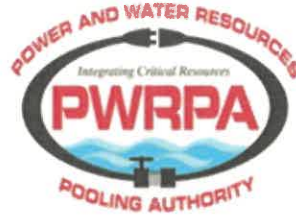
# Information Packet

**Wednesday, March 6, 2024**

- 1. Treasurer's Report.**
- 2. Operations Report.**
- 3. GM Comments.**

## **Power & Water Resources Pooling Authority**

1. Treasurer's Report for Month Ending January 31, 2024.



POWER AND WATER RESOURCES POOLING AUTHORITY

**DISBURSEMENT LIST**

February 2024

Check #	Vendor-name	Payment-description	Check-amount
3516	Advanced Data Storage	Document Storage - February 2024	\$ 44.50
3517	Arvin-Edison Water Storage District	Treasurer's Duties	7,234.71
3518	Barbich Hooper King	Audit Services	1,380.00
3519	Braun Blaising & Wynne, P.C.	Legal Services - January 2024	309.24
3520	Michael McCarty Law Office PLLC	Consultant	3,900.00
3521	Robertson Bryan Inc.	Consultant	65,580.48
		Sub-Total	\$ 78,448.93
<b>Wire Transfers:</b>			
Wire	Cameron-Daniel, P.C.	General Manager/General Council	\$ 39,750.50
Wire	Holland & Knight	FERC Wholesale Distribution Filing Legal Fees	4,058.77
		Total	\$ 122,258.20

**POWER AND WATER RESOURCES POOLING AUTHORITY  
CASH ACTIVITY AND TREASURER'S REPORT  
MONTH ENDING JANUARY 31, 2024**

**CASH ACTIVITY:**

BALANCE DECEMBER 31, 2023		\$	21,749,449.69
<b>Increases:</b>			
Power Billing Invoices	\$	607,470.28	
LAIF - Quarterly Interest		217,164.69	
APX - Astoria Solar		25,659.17	
TCB - Monthly Interest		1,583.86	
		1,583.86	851,878.00
<b>Decreases:</b>			
CAISO	\$	705,849.95	
WAPA - Power December 2023		688,548.77	
WAPA O&M		166,390.00	
Slate Solar - December 2023		138,674.87	
PG&E - GCID, RD 108, SCVWD, Zone 7		74,808.13	
Canadian Solar - Astoria Solar - December 2023		73,250.50	
Robertson-Bryan, Inc		63,031.35	
WAPA - Restoration December 2023		48,464.34	
Trimark - Cell, Meter Reading and T&M December 2023		48,127.06	
Cameron-Daniel, P.C.		37,380.10	
Aces - January 2024		32,916.67	
NextEra Whitney Point Solar - December 2023		27,174.31	
NCPA LEC - January 2024		19,252.00	
California Department of Tax and Fee		19,200.00	
Arvin-Edison Water Storage District-Treasurer		5,023.14	
Michael McCarty Law Office, PLLC		3,000.00	
G/L Renewables - December 2023		2,474.06	
Holland and Knight		1,402.80	
White Pines Solar Santa Clara WD - December 2023		1,155.26	
Bank Fees		500.00	
Braun Blaising & Wynne, P.C.		387.93	
Advanced Data Storage		44.50	
		44.50	2,157,055.74
BALANCE JANUARY 31, 2024		\$	20,444,271.95

**TREASURERS REPORT:**

<b>Operating Account:</b>			
Tri Counties Bank - General Operating Account #1031821, yield 3.923%		\$	208,409.81
<b>Local Agency Investment Fund (LAIF) - Account # 90-39007, yield 4.012%</b>			
Reserve Funds	\$	10,639,950.45	
Cap & Trade Allowance Revenue		3,139,349.17	13,779,299.62
<b>California Asset Management Program (CAMP) #6218-001, yield 5.54%</b>			
Funds on Deposit	\$	2,456,562.52	
Cap & Trade Allowance Revenue		4,000,000.00	6,456,562.52
<b>TOTAL PWRPA FUNDS - JANUARY 31, 2024</b>		<b>\$</b>	<b>20,444,271.95</b>
Public Purpose Program (P-3) Tri Counties Bank Account #1031856			3,148,252.98
<b>TOTAL FUNDS ON DEPOSIT WITH PWRPA - JANUARY 31, 2024</b>		<b>\$</b>	<b>23,592,524.93</b>
CAISO Collateral Deposit Account			2,233,438.77
Western Area Power Administration - PWRPA Trust Account			1,000.00
<b>TOTAL FUNDS - PWRPA &amp; OTHER AGENCIES - JANUARY 31, 2024</b>		<b>\$</b>	<b>25,826,963.70</b>

**Treasurer's Notes:**

All investments are placed in accordance with PWRPA's Statement of Investment Policy and Guidelines. The Treasurer's Report is presented on a cash basis, effective yields are based on most recent published information. PWRPA has sufficient cash flow to meet its obligations next month. Included in the Operating Funds above is the Board approved \$10,000,000 Reserve and Funds on Deposit from the following Participants:

Participant	Amount	Participant	Amount
Banta Carbona	\$ 22,476.04	Sonoma	704,570.48
James	43,291.60	West Stan	282,746.34
Glen-Colusa ID	118,183.47	Westlands	573,595.81
RD108	60,000.00	West Side ID	57,887.44
Santa Clara	565,798.94	Zone 7	28,012.40

Total	\$ 2,456,562.52
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*Power and Water Resources Pooling Authority*  
**P-3 Remaining Funds By Year**  
*as of January 31, 2024*

Member Agency	2020	2021	2022	2023	Total Available P-3 Funds	Expenditures	
	(a)	(b)	(c)	(d)	(e)	Total to Date (f)	January-24 (g)
Arvin-Edison WSD	\$0.00	\$0.00	\$0.00	\$363,832.60	\$363,832.60	\$5,570,834.85	\$0.00
Banta Carbona ID	28,418.11	49,489.90	69,174.18	46,980.83	194,063.02	404,708.20	0.00
Byron-Bethany ID	0.00	0.00	0.00	8,141.09	8,141.09	171,290.66	0.00
Cawelo WD	0.00	0.00	4,271.92	76,283.68	80,555.60	962,841.11	0.00
Glenn-Colusa ID	23,300.11	32,132.77	16,890.62	37,269.19	109,592.69	348,863.79	0.00
James ID	10,457.51	15,685.23	21,738.73	7,617.89	55,499.36	130,969.96	0.00
Lower Tule ID	0.00	0.00	34,283.20	40,310.59	74,593.79	331,806.44	0.00
Princeton ID	0.00	0.00	0.00	16,001.17	16,001.17	177,976.09	0.00
RD 108	13,564.87	16,362.76	12,132.54	13,840.26	55,900.43	213,468.71	0.00
Santa Clara Valley WD	0.00	0.00	0.00	54,969.15	54,969.15	901,682.87	0.00
Sonoma County WA	99,654.97	109,040.76	150,507.89	120,836.42	480,040.04	1,490,752.21	0.00
West Stanislaus ID	0.00	0.00	58,050.32	40,541.61	98,591.93	496,284.30	0.00
Westlands WD	0.00	102,451.51	1,100,668.62	243,316.28	1,446,436.41	5,531,125.34	0.00
Zone 7	9,318.79	25,493.12	42,082.23	33,034.50	109,928.64	71,833.02	0.00
Undesignated/Forfeited/Misc	0.00	0.00	0.00	0.00	107.06	35,133.04	0.00
<b>Total</b>	<b>\$184,714.36</b>	<b>\$350,656.05</b>	<b>\$1,509,800.25</b>	<b>\$1,102,975.26</b>	<b>\$3,148,252.98</b>	<b>\$16,839,570.59</b>	<b>\$0.00</b>
Exclusive access Date	08/03/24	08/02/25	08/01/26				

- (a) Three year exclusive access to these funds by agency begins on 8/04/21 and ends 08/03/24
- (b) Three year exclusive access to these funds by agency begins on 8/03/22 and ends 08/02/25
- (c) Three year exclusive access to these funds by agency begins on 8/02/23 and ends 08/01/26
- (d) 2023 P-3 collected through January 2024
- (e) Total available P-3 Funds
- (f) Total P-3 expenditures since inception of program
- (g) P-3 expenditures January 2024

**Power and Water Resources Pooling Authority**  
 Cap and Trade Allowance Revenue  
 Pursuant to Resolution 13-04-05 and Resolution 21-11-14  
 As of January 31, 2024

District	Resolution 13-04-05		Resolution 21-11-14			Total Revenue	Expenditures	Balance
	Allocation	Revenue	2021	2022	2023			
Arvin-Edison	37.478%	\$3,421,905.95	\$208,146.78	\$831,876.00	\$855,689.42	\$5,317,618.15	\$3,921,905.95	\$1,395,712.20
Banta-Carbona	3.115%	284,413.18	33,717.30	132,634.85	145,589.41	596,354.74	0.00	596,354.74
Byron-Bethany	0.708%	64,643.51	5,278.35	20,240.47	20,602.13	110,764.46	110,764.46	0.00
Cawelo	8.447%	771,248.19	32,760.55	115,918.41	94,183.35	1,014,110.50	1,014,110.50	0.00
Glenn-Colusa	2.849%	260,126.21	23,174.67	86,307.16	74,702.20	444,310.24	444,310.24	0.00
James	0.798%	72,860.90	5,746.23	23,359.47	28,943.78	130,910.38	0.00	130,910.38
Lower Tule	1.005%	91,760.91	20,089.23	76,569.91	67,661.73	256,081.78	256,081.78	0.00
Princeton	1.334%	121,800.06	7,684.74	25,968.74	20,055.39	175,508.93	97,711.01	77,797.92
RD 108	1.368%	124,904.41	10,013.47	35,342.29	29,148.43	199,408.60	199,408.60	0.00
Santa Clara	4.853%	443,100.21	45,211.76	169,068.24	166,942.93	824,323.14	726,222.17	98,100.97
Sonoma	7.787%	710,987.29	71,470.54	275,734.34	277,421.66	1,335,613.83	196,000.00	1,139,613.83
West Stan	3.228%	294,730.57	31,345.36	119,698.69	134,401.03	580,175.65	150,789.15	429,386.50
Westlands	27.030%	2,467,957.68	202,357.42	796,569.54	1,084,844.98	4,551,729.62	1,390,020.55	3,161,709.07
Zone 7	0.000%	0.00	9,503.60	46,016.34	54,243.62	109,763.56	0.00	109,763.56
<b>Total</b>	<b>100.000%</b>	<b>\$9,130,439.07</b>	<b>\$706,500.00</b>	<b>\$2,755,304.45</b>	<b>\$3,054,430.06</b>	<b>\$15,646,673.58</b>	<b>\$ 8,507,324.41</b>	<b>\$ 7,139,349.17</b>

(a) Transferred as a Payment to power cost to help meet RPS

(b) GCID \$65,084.88 in approved projects remaining revenue transferred as a payment to power cost to help meet RPS

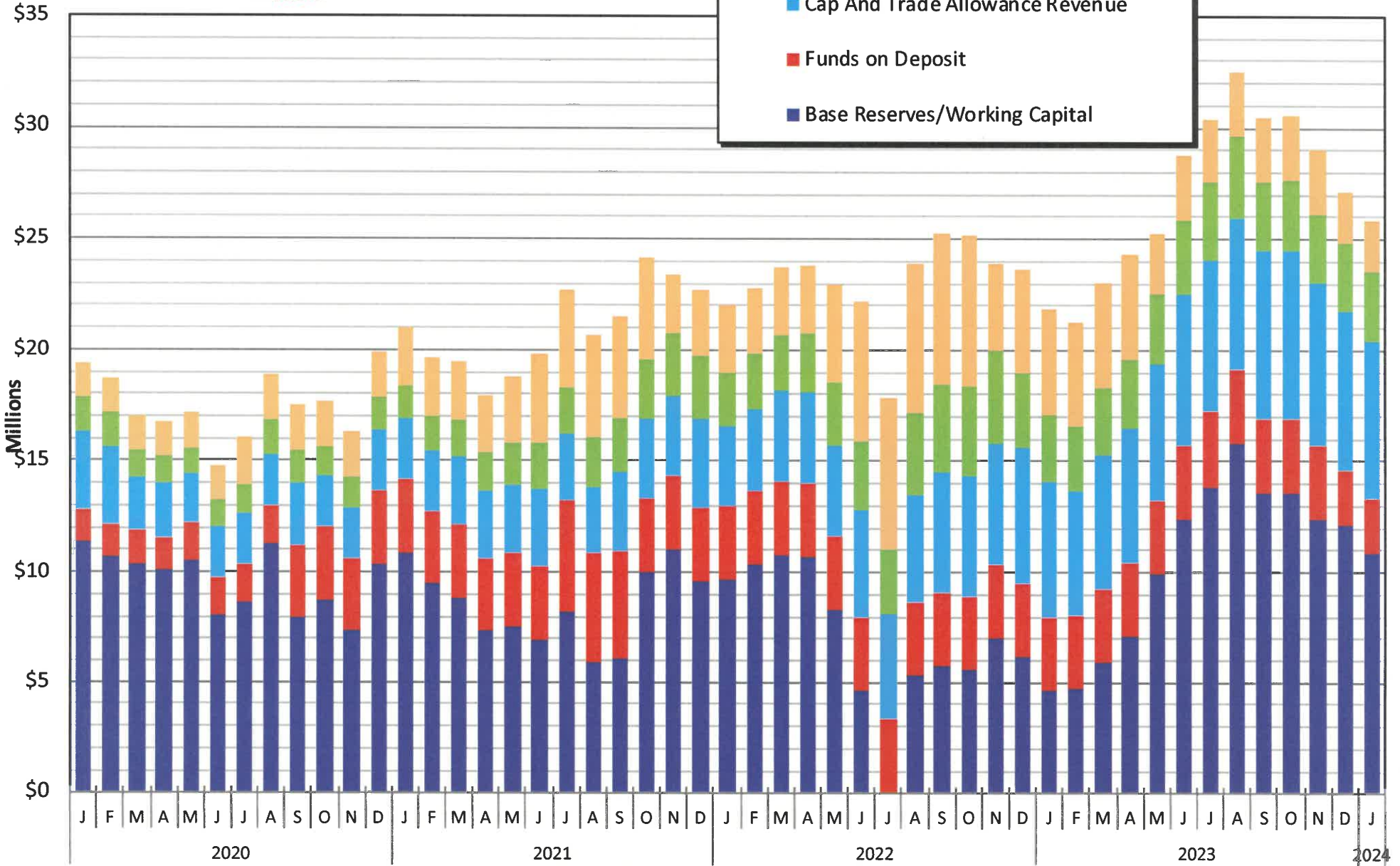
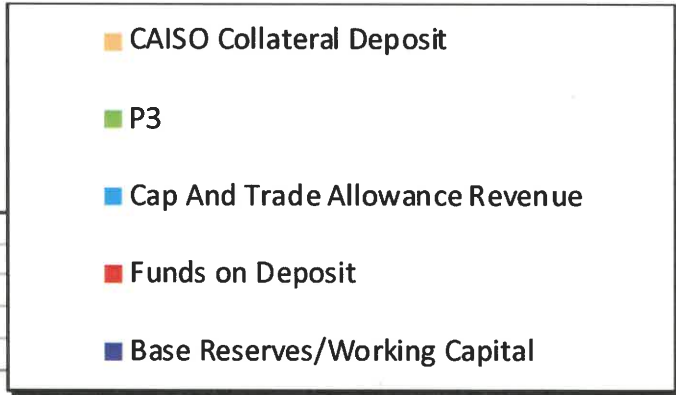
District	Exhibit B Allocation		
	2021	2022	2023
Arvin	29.4617%	30.1918%	28.0147%
Banta Carbona	4.7724%	4.8138%	4.7665%
Byron Bethany	0.7471%	0.7346%	0.6745%
Cawelo	4.6370%	4.2071%	3.0835%
Glenn-Colusa	3.2802%	3.1324%	2.4457%
James	0.8133%	0.8478%	0.9476%
Lower Tule	2.8435%	2.7790%	2.2152%
Princeton	1.0877%	0.9425%	0.6566%
RD 108	1.4173%	1.2827%	0.9543%
Santa Clara	6.3994%	6.1361%	5.4656%
Sonoma	10.1161%	10.0074%	9.0826%
West Stan	4.4367%	4.3443%	4.4002%
Westlands	28.6422%	28.9104%	35.5171%
Zone 7	1.3452%	1.6701%	1.7759%
<b>Total</b>	<b>100.0000%</b>	<b>100.0000%</b>	<b>100.0000%</b>

**Sale of Freely Allocated Allowances**

Year	March	June	September	December	Total
2012				\$ 216,935.00	\$ 216,935.00
2013	136,200.00			370,080.76	506,280.76
2014		379,500.00	184,000.00	192,511.00	756,011.00
2015	195,360.00	196,640.00	200,320.00	212,934.71	805,254.71
2016	212,158.18	89,530.09	249,317.05	296,303.48	847,308.80
2017	115,168.59	371,399.40	265,500.00	260,748.84	1,012,816.83
2018	262,980.00	263,700.00	258,408.50	264,250.60	1,049,339.10
2019	283,140.00		446,160.00	461,227.00	1,190,527.00
2020	321,660.00		500,400.00	415,783.87	1,237,843.87
2021	445,000.00	480,622.00	582,500.00	706,500.00	2,214,622.00
2022	583,000.00	827,304.45	675,000.00	670,000.00	2,755,304.45
2023	501,300.00	758,250.00	880,000.00	914,880.06	3,054,430.06
				<b>Total</b>	<b>\$ 15,646,673.58</b>

Resolution 13-04-05	\$9,130,439.07
Resolution 21-11-14	<u>6,516,234.51</u>
	<u>\$15,646,673.58</u>

# SUMMARY TREASURER REPORT





POWER & WATER RESOURCES POOLING AUTHORITY

WIRE TRANSFERS

January 1 - 31, 2024

Transaction Number	Beneficiary Name	Credit Amount	Value Date
209215	CAISO Market Clearing	\$74,048.56	1/2/2024
209360	Cameron-Daniel, P.C.	\$37,380.10	1/3/2024
209361	Holland & Knight	\$1,402.80	1/3/2024
209983	CAISO Market Clearing	\$42,958.71	1/8/2024
209984	Pacific Gas and Electric	\$71,197.11	1/8/2024
210871	CAISO Market Clearing	\$100,499.51	1/16/2024
210872	WAPA O M	\$166,390.00	1/16/2024
210873	Western Area Power Administration	\$48,464.34	1/16/2024
210874	Garlock Energy, LLC	\$1,155.26	1/16/2024
211725	CAISO Market Clearing	\$407,506.46	1/22/2024
211726	Northern California Power Agency	\$19,252.00	1/22/2024
211747	ACES Power Marketing	\$32,916.67	1/22/2024
211748	Pacific Gas and Electric	\$1,805.51	1/22/2024
211749	Pacific Gas and Electric	\$1,805.51	1/22/2024
212546	Western Area Power Administration	\$688,548.77	1/29/2024
212547	CAISO Market Clearing	\$13,841.88	1/29/2024
212548	GL Renewables, LLC	\$2,474.06	1/29/2024
212549	Trimark Associates, Inc.	\$48,127.06	1/29/2024
212550	Astoria 2 Operating	\$73,250.50	1/29/2024
212551	Whitney Point Solar LLC	\$27,174.31	1/29/2024
212552	CAISO Market Clearing	\$66,994.83	1/29/2024
213133	Slate 1 (Canadian Solar)	\$138,674.87	1/31/2024
<b>Total</b>		<b>2,065,868.82</b>	



## **Power & Water Resources Pooling Authority**

3. Operations Report – March 2024 update.

**Power and Water Resources Pooling Authority**  
**March 2024 Update**  
**Operations Manager Report**

**Possible Action**

n/a

**Operations Staff Overview**

1. March planned activity
  - a) LTRID Hydro: go live??
  - b) Metering documentation
  - c) Task team participation
  - d) REC purchase/selling
2. February recap
  - a) LTRID Hydro onboarding
  - b) LEC Hydrogen research
  - c) 2024 Budget and rates implementation
  - d) Various coordination w/ Solar developers on Districts request
  - e) Strategic Team coordination

**Operations Report:**

1. Pre-Reconciliation
  - a) Actual data for January – December estimates.
  - b) Table 2 is new: the cost of service now includes the Cap and Trade funds received from this year.

**Table 1: 2023 Cash Flow**

Cashflow Summary: January - December 2023							
Participant	Power Invoice	Revenue/Expenses				Total Costs	Over/(Under) Funded
		Power & Ops Costs	P3	Misc (Prior Period, **C&T, Direct Consulting)	Change in Reserve Estimate		
Arvin-Edison	\$ 14,919,526	\$ 13,976,457	\$ 398,329	\$ (16,276)	\$ 213,028	\$ 14,571,538	\$ 347,988
Banta-Carbona	\$ 1,695,431	\$ 1,421,840	\$ 40,522	\$ 1,249	\$ (31,997)	\$ 1,431,614	\$ 263,817
Byron-Bethany	\$ 478,249	\$ 369,603	\$ 10,534	\$ (20,574)	\$ (884)	\$ 358,678	\$ 119,571
Cawelo	\$ 2,807,900	\$ 2,386,234	\$ 68,008	\$ 7,675	\$ 31,416	\$ 2,493,334	\$ 314,566
Glenn-Colusa	\$ 1,344,960	\$ 1,224,399	\$ 34,895	\$ (74,763)	\$ (1,178)	\$ 1,183,354	\$ 161,606
James	\$ 274,912	\$ 256,039	\$ 7,297	\$ (931)	\$ (8,515)	\$ 253,890	\$ 21,022
Lower Tule	\$ 1,520,107	\$ 1,306,665	\$ 37,240	\$ (2,047)	\$ 11,199	\$ 1,353,056	\$ 167,051
Princeton	\$ 628,684	\$ 531,776	\$ 15,156	\$ 230	\$ 1,560	\$ 548,721	\$ 79,962
RD108	\$ 499,463	\$ 422,752	\$ 12,048	\$ (28,792)	\$ (9,163)	\$ 396,845	\$ 102,618
Santa Clara	\$ 3,727,078	\$ 3,189,013	\$ 90,887	\$ 1,828	\$ 13,809	\$ 3,295,537	\$ 431,541
Sonoma	\$ 4,360,711	\$ 3,993,106	\$ 113,804	\$ (8,142)	\$ (1,884)	\$ 4,096,883	\$ 263,828
West Stan	\$ 1,463,054	\$ 1,141,223	\$ 32,525	\$ (397)	\$ (10,654)	\$ 1,162,696	\$ 300,358
Westlands	\$ 8,376,790	\$ 8,271,903	\$ 235,749	\$ (45,998)	\$ (225,157)	\$ 8,236,496	\$ 140,293
Zone 7	\$ 1,265,322	\$ 1,148,088	\$ 32,720	\$ (1,253)	\$ 18,421	\$ 1,197,976	\$ 67,346
<b>PWRPA</b>	<b>\$ 43,362,188</b>	<b>\$ 39,639,097</b>	<b>\$ 1,129,714</b>	<b>\$ (188,191)</b>	<b>\$ 0</b>	<b>\$ 40,580,619</b>	<b>\$ 2,781,569</b>

\*\* Districts transfer C&T revenue to help meet power & RPS needs.

**Power and Water Resources Pooling Authority**  
**March 2024 Update**  
**Operations Manager Report**

**Table 2: 2023 Cost of Service**

<b>Cost of Service Summary: January - December 2023</b>					
<b>Participant</b>	<b>Metered Energy (kWh)</b>	<b>Power &amp; Ops Costs</b>	<b>Cap &amp; Trade Revenue</b>	<b>Net Cost of Service</b>	<b>Composite Rate, (cent/kWh)</b>
Arvin-Edison	120,896,664	\$ 14,022,466	\$ (599,389)	\$ 13,423,077	\$ 11.10
Banta-Carbona	14,043,272	\$ 1,454,053	\$ (101,982)	\$ 1,352,072	\$ 9.63
Byron-Bethany	2,834,234	\$ 372,730	\$ (14,431)	\$ 358,299	\$ 12.64
Cawelo	18,889,969	\$ 2,418,918	\$ (65,973)	\$ 2,352,945	\$ 12.46
Glenn-Colusa	11,578,618	\$ 1,228,001	\$ (52,327)	\$ 1,175,674	\$ 10.15
James	884,083	\$ 257,059	\$ (20,274)	\$ 236,785	\$ 26.78
Lower Tule	9,809,970	\$ 1,308,392	\$ (47,395)	\$ 1,260,997	\$ 12.85
Princeton	4,446,932	\$ 533,804	\$ (14,048)	\$ 519,756	\$ 11.69
RD108	2,360,516	\$ 427,080	\$ (20,418)	\$ 406,662	\$ 17.23
Santa Clara	21,293,343	\$ 3,203,083	\$ (116,939)	\$ 3,086,144	\$ 14.49
Sonoma	33,793,023	\$ 4,002,107	\$ (194,327)	\$ 3,807,780	\$ 11.27
West Stan	10,919,050	\$ 1,158,319	\$ (94,144)	\$ 1,064,175	\$ 9.75
Westlands	33,350,547	\$ 8,319,836	\$ (759,906)	\$ 7,559,930	\$ 22.67
Zone 7	5,225,975	\$ 1,149,241	\$ (37,996)	\$ 1,111,245	\$ 21.26
<b>TOTAL</b>	<b>290,326,197</b>	<b>\$ 39,855,091</b>	<b>\$ (2,139,550)</b>	<b>\$ 37,715,541</b>	<b>\$ 12.99</b>

2. January operations

- a) Energy is same as budget
- b) Load averaged 13MW, 2MW lower than last month
- c) Average schedule deviation of 3MW for an estimated cost of 3,500.

3. Pricing

- a) Average monthly prices:

**Table 3: Average monthly cost and ISO revenue rates**

	<b>Cost</b>	<b>Revenue</b>
BR	\$ 23.04	\$ (73.15)
Displacement	\$ -	\$ -
WWD BOR	\$ -	\$ (69.56)
Whitney Point	\$ 58.75	\$ (41.22)
Astoria	\$ 63.00	\$ (43.10)
Slate	\$ 26.81	\$ (63.38)
*Lodi	\$ 68.87	\$ (94.15)
Market		

*\*Lodi is energy only (no debt)*

**Power and Water Resources Pooling Authority**  
**March 2024 Update**  
**Operations Manager Report**

**Generator Reports**

1. Astoria Solar
  - a) Generation
    - 1,277 MWh, 17% capacity factor
    - Net credit \$57,300 or \$45 /MWh
  
2. Whitney Point Solar
  - a) Generation
    - 1,116 MWh, 14% capacity factor
    - Net credit \$62,000, or \$55 /MWh
  
3. Slate Solar + Battery
  - a) Generation
    - 2,050 MWh, 11% capacity factor
    - Net value \$158,800, or \$77 /MWh
  
4. Lodi Energy Center
  - Operations:
    - 4,136 MWh, or 69% capacity factor
    - Ran 23 of 30 days, 8 days uneconomic, 1 day outage
  - Hydrogen decisions coming soon:
    - Staff meeting with LEC staff next week to discuss project
    - Staff plans to meet with project participants in March to discuss the project.

**Power and Water Resources Pooling Authority**  
**March 2024 Update**  
**Operations Manager Report**

**Power Planning & Regulatory**

1. Power Net Short
  - a) WAPA’s current forecast is February 1, 2024.

**Table 4: On- and Off-peak Power Net Short**

Feb 2024 NSP

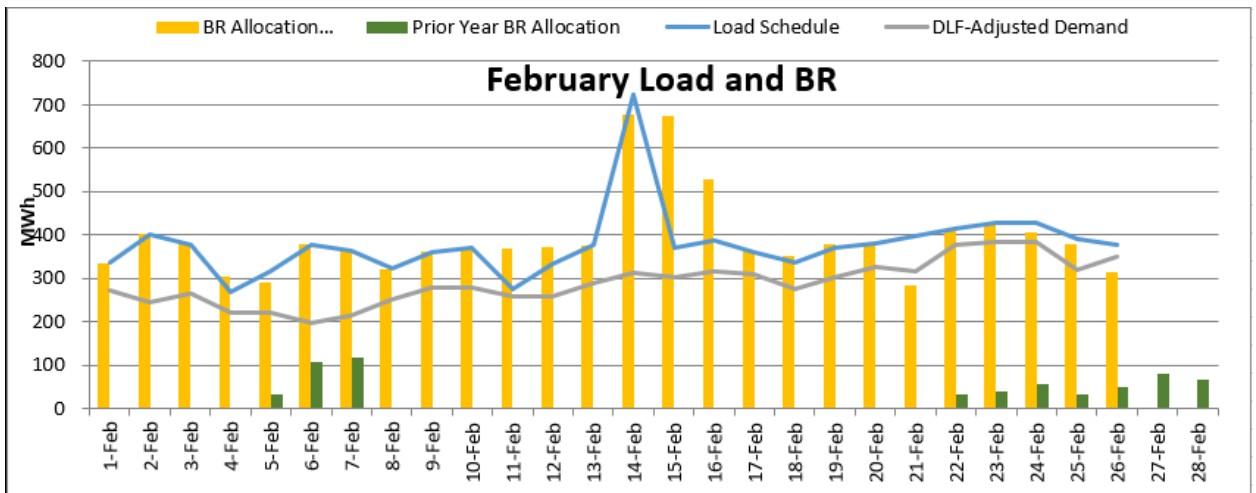
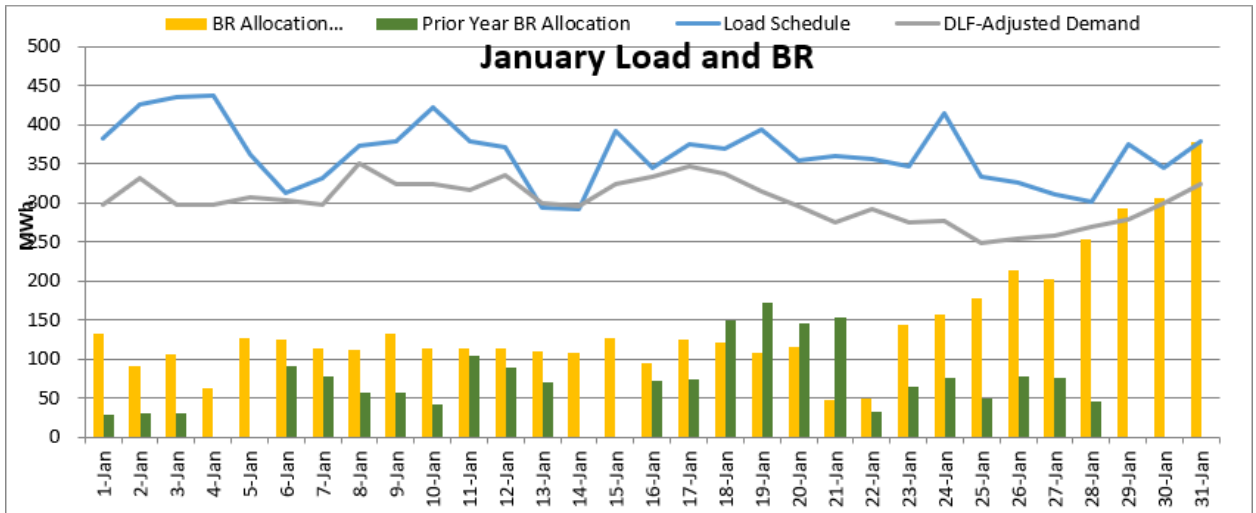
ON-PEAK	On Peak												2/2/2024 Forward Mkt	Change from last NSP	
	Demand, MW			Resources, MW			Net Long/(Short), MW			RMP	Net (Short)/Long based on RMP				
	Wet	Average	Dry	Wet	Average	Dry	Wet	Average	Dry		Wet	Average			Dry
2/1/2024	17.2	27.2	41.9	36.6	45.3	27.4	19.4	18.1	(14.4)	100%	19.4	18.1	(14.4)	\$ 54.94	\$ (6.96)
3/1/2024	23.3	26.9	40.3	45.0	49.5	35.7	21.7	22.5	(4.5)	90%	24.1	25.2	(0.5)	\$ 48.83	\$ (1.50)
4/1/2024	35.4	46.0	62.5	59.3	62.8	54.4	23.9	16.8	(8.1)	90%	27.4	21.4	(1.8)	\$ 45.25	\$ (3.25)
5/1/2024	49.7	68.8	91.0	75.3	70.6	66.5	25.6	1.8	(24.4)	70%	40.5	22.4	2.9	\$ 39.43	\$ (0.30)
6/1/2024	65.2	75.4	95.1	84.5	74.9	78.8	19.3	(0.6)	(16.3)	70%	38.8	22.1	12.2	\$ 56.68	\$ (1.63)
7/1/2024	61.8	67.9	83.7	85.7	79.0	76.2	23.8	11.0	(7.5)	70%	42.4	31.4	17.6	\$ 87.78	\$ (0.95)
8/1/2024	53.8	58.6	71.4	84.1	66.2	64.6	30.3	7.6	(6.8)	50%	57.2	36.9	28.9	\$ 107.30	\$ 0.68
9/1/2024	39.7	43.2	55.2	66.2	54.9	48.6	26.5	11.7	(6.6)	50%	46.4	33.3	21.0	\$ 93.50	\$ (0.78)
10/1/2024	31.1	37.1	48.4	48.4	36.3	33.8	17.3	(0.7)	(14.6)	50%	32.9	17.8	9.6	\$ 66.95	\$ 2.20
11/1/2024	19.7	22.2	24.9	35.3	17.5	17.5	15.5	(4.7)	(7.4)	50%	25.4	6.4	5.0	\$ 71.50	\$ 1.43
12/1/2024	13.4	13.8	15.8	24.4	29.2	24.1	11.0	15.4	8.3	50%	17.7	22.3	16.2	\$ 104.98	\$ 5.97

Off-Peak	Off Peak												2/2/2024 Forward Mkt	Change from last NSP	
	Demand, MW			Resources, MW			Net Long/(Short), MW			RMP	Net (Short)/Long based on RMP				
	Wet	Average	Dry	Wet	Average	Dry	Wet	Average	Dry		Wet	Average			Dry
2/1/2024	16.8	25.7	38.7	21.2	14.1	9.4	4.4	(11.7)	(29.3)	100%	4.4	(11.7)	(29.3)	\$ 53.32	\$ (3.25)
3/1/2024	22.1	25.2	37.6	27.0	12.7	10.0	4.9	(12.6)	(27.5)	90%	7.1	(10.0)	(23.8)	\$ 50.53	\$ (3.20)
4/1/2024	31.7	41.6	56.7	34.4	26.5	22.1	2.6	(15.1)	(34.6)	90%	5.8	(10.9)	(29.0)	\$ 48.33	\$ (1.22)
5/1/2024	39.0	53.0	69.0	43.8	41.7	38.5	4.8	(11.3)	(30.5)	70%	16.5	4.6	(9.8)	\$ 40.23	\$ (1.98)
6/1/2024	54.5	62.6	78.1	45.7	37.8	40.4	(8.8)	(24.8)	(37.7)	70%	7.5	(6.0)	(14.3)	\$ 50.80	\$ (2.00)
7/1/2024	55.1	59.8	72.6	48.8	40.3	38.5	(6.3)	(19.4)	(34.0)	70%	10.2	(1.5)	(12.3)	\$ 60.43	\$ (1.58)
8/1/2024	47.5	51.1	61.2	37.9	31.6	30.5	(9.6)	(19.5)	(30.7)	50%	14.2	6.1	(0.1)	\$ 68.55	\$ (3.90)
9/1/2024	35.0	37.4	46.7	33.5	22.9	19.9	(1.5)	(14.5)	(26.8)	50%	16.0	4.2	(3.5)	\$ 68.53	\$ (1.52)
10/1/2024	25.8	29.7	37.0	26.7	11.8	10.8	0.9	(18.0)	(26.2)	50%	13.8	(3.1)	(7.7)	\$ 62.20	\$ (2.47)
11/1/2024	17.3	19.0	20.5	17.1	4.7	4.7	(0.1)	(14.3)	(15.8)	50%	8.5	(4.8)	(5.6)	\$ 69.73	\$ 0.52
12/1/2024	13.2	13.7	15.5	9.8	4.7	4.7	(3.4)	(8.9)	(10.9)	50%	3.2	(2.1)	(3.1)	\$ 87.68	\$ 0.53

**Power and Water Resources Pooling Authority**  
**March 2024 Update**  
**Operations Manager Report**

- 2. BR output:
  - a. Covered 49% of load for January and 138% of February so far

**Figure 1: Monthly BR and Load**



# Power and Water Resources Pooling Authority

## March 2024 Update

### Operations Manager Report

#### 3. Regulatory Items

##### a. Resource Adequacy:

i. Tracking if CAISO is going to file with FERC to update backstop price up from \$6.31 kW-month to \$7.34 kW-month.

ii. Tracking CEC changes to allocate deficiency costs that will impact POUs.

##### b. Renewable Energy Certificates

i. Staff researching use of PCC3 for low carbon fuel standard



## **Power & Water Resources Pooling Authority**

3. GM Comments
  - a. Minutes for Strategy Team 1: Financial Matters
  - b. Minutes for Strategy Team 2: Business Continuity

# Strategy Team 1

## Financial Matters

### ST1.1: Scoping and Scheduling (Feb 20, 2024)

1. Understand PWRPA's vision, business strategy and values.
2. Identify significant financial risks in the next 1-5+ years (2025-2030). ST1 should explore whether any of these financial risks can be forecast, controlled or mitigated.
3. Identify and evaluate the ways PWRPA currently measures and manages its costs. ST 1 should identify the current drivers in its cost model and consider whether "rates" are the best way to measure, manage and improve PWRPA's financial performance in the aggregate.
4. ST1 should consider and possibly develop process changes that may benefit the ratemaking practices of its District customers.
5. ST 1 should consider and possibly develop strategies to stabilize rates and/or reduce costs.
6. Work products: Financial process analysis / Financial process improvement plan.

### Meeting Minutes

Participating: David Weisenberger, Kelly Wright La-Force (BCID); Louis Jarvis (GCID); Jake Spaulding (SCWA); Bobby Pierce (WSID); James Carney (Z7); Cori Bradley (RBI); Bruce McLaughlin (C-D). (Not present – Dale Roberts, Eric Limas, JM Domondon, Dave Nixon)

Discussion: PWRPA has experienced substantial increases & volatility in energy prices, delivery charges, generation project costs and REC prices. DW posited doing a root cause analysis. Causes include: (1) the new PG&E WDT formula rate which has had 2x swings across years based on a True-up Mechanism (mostly due to differences between Prior Year MWh used for the Rate Year and then incorporating the Actual MWhs having a two-year lag); (2) hydrological swings of the dry-dry-dry-wet year cycle combined with environmental rulings result in Base Resource uncertainties; (3) energy costs can have swings but most Districts are at least 60% hedged; and (4) the CAISO TAC which has steadily increased about 10% per annum on average. On the contrary, overhead costs have been stable for the last 8 years.

We discuss the purpose and list of scoping issues as presented in the 6 points, above. Bruce asked about water ratemaking processes and whether it is useful to look at rate stabilization processes for PWRPA. Views varied from: (1) not useful because the district's energy cost was not a determining factor for its budget; (2) marginally useful because the district's budget was driven by the SWC; and (3) "flat rates would be nice." It was pointed out that rate stabilization processes typically involve building a reserve fund, therefore, the time value of money is a primary limitation.

Team members are requested to dedicate at least 1 hour per month to the ST 1 effort. A task list for the next meeting was outlined and the recurring date was set – SECOND THURSDAY AT 10 AM.

Task requests: For the next meeting, Staff was requested to: (1) provide a reconciled rate table for the last 10 years; and (2) begin developing an analysis of possible future scenarios that would cause rate variability.

Next Meeting: Thursday, March 14 at 10:00 AM. Bruce will send out agenda approx. 1 week in advance.

## **Strategy Team 2 Business Continuity**

### **ST2.1: Scoping and Scheduling (Feb 20, 2024)**

1. Understand PWRPA's vision, business strategy and values.
2. Identify significant challenges in the next 2-20+ years (2026-2045) (e.g., economic, staffing, technological, regulatory, other).
3. Work products: Business process mapping / Organizational plan / Business continuity plan (normal and disruptive events) / Succession plan.
4. Identify essential services, functions and positions.
5. Identify key competencies, skills, institutional knowledge that are necessary for business continuity.
6. Identify existing service providers / identify disruptive event scenarios / identify potential vacancies from voluntary departures.
7. Identify gaps and overlaps / transfers of functions / backup roles.
8. Develop knowledge capture processes / training opportunities / transition plans.

### Meeting Minutes

**Participating:** David Weisenberger, Kelly Wright La-Force (BCID); Ed Pattison (BBID); John Michael Domondon (LTRID); Dale Roberts (SCWA); Sal Segura (Z7); Cori Bradley (RBI); Bruce McLaughlin (C-D). (Not present – Jake Spaulding, Eric Limas, Dave Nixon)

**Discussion:** Bruce provided an overview of the purpose and list of scoping issues as presented in the 8 points. Team members are requested to dedicate at least 1 hour per month to the ST 2 effort. A task list for the next meeting was outlined and the recurring date was set – SECOND THURSDAY AT 2 PM.

**Task requests:** For the next meeting, Staff was requested to: (1) Identify current positions & staffing in the form of an organizational chart; (2) Vendor list and basic function descriptions, include contract term; (3) begin identifying essential SOPs in written or flow chart format; and (4) begin business process mapping for certain essential services.

**Next Meeting:** Thursday, March 14 at 2:00 PM. Bruce will send out agenda approx. 1 week in advance.