

**Power & Water Resources Pooling  
Authority**

# Information Packet

**Wednesday, July 3, 2024**

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

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

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

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

**CASH ACTIVITY:**

BALANCE APRIL 30, 2024		\$ 21,878,769.15
Increases:		
Power Billing Invoices	\$ 2,463,754.04	
CAISO	45,251.39	
TCB - Monthly Interest	29,475.27	
NCPA - Displacement Program	25,546.66	
Anew Climate	19,872.00	
		2,583,899.36
Decreases:		
CAISO	\$ 707,352.46	
WAPA - Power April 2024	536,209.49	
Slate Solar - March & April 2024	469,717.59	
WAPA O&M	443,636.00	
NextEra Whitney Point Solar - April 2024	153,722.73	
Recurrent Energy - Astoria Solar - April 2024	152,043.35	
NCPA - LEC May 2024	96,832.00	
Robertson-Bryan, Inc	66,171.48	
Trimark - Cell, Meter Reading and T&M April 2024	50,034.90	
WAPA - Restoration April 2024	48,464.34	
PG&E - GCID, RD 108, SCVWD, Zone 7	41,421.50	
Cameron-Daniel, P.C.	37,489.00	
Aces - May 2024	32,916.67	
Barbich Hooper King - 2023 Financial Audit	14,980.00	
Arvin-Edison Water Storage District-Treasurer	8,539.96	
GL Renewables	4,118.01	
White Pines Solar Santa Clara WD - April 2024	3,494.57	
Michael McCarty Law Office, PLLC	3,000.00	
Braun Blaising & Wynne, P.C.	523.71	
Bank Fees	500.00	
Walter Mortensen Insurance - Treasurer's Bond	263.00	
Equus Energy Group LLC - REC Purchase	167.20	
Advanced Data Storage	44.50	
		2,871,642.46
BALANCE MAY 31, 2024		<b>\$ 21,591,026.05</b>

**TREASURERS REPORT:**

Operating Account:		
Tri Counties Bank - General Operating Account #1031821, yield 5.004%		\$ 6,800,865.55
Local Agency Investment Fund (LAIF) - Account # 90-39007, yield 4.32%		
Reserve Funds	\$ 4,798,350.36	
Cap & Trade Allowance Revenue	3,980,949.26	8,779,299.62
California Asset Management Program (CAMP) #6218-001, yield 5.43%		
Funds on Deposit	\$ 2,010,860.88	
Cap & Trade Allowance Revenue	4,000,000.00	6,010,860.88
TOTAL PWRPA FUNDS - MAY 31, 2024		<b>\$ 21,591,026.05</b>
Public Purpose Program (P-3) Tri Counties Bank Account #1031856, yield 5.004%		3,367,626.35
TOTAL FUNDS ON DEPOSIT WITH PWRPA - MAY 31, 2024		<b>\$ 24,958,652.40</b>
CAISO Collateral Deposit Account		2,325,272.68
Western Area Power Administration - PWRPA Trust Account		1,000.00
TOTAL FUNDS - PWRPA & OTHER AGENCIES - MAY 31, 2024		<b>\$ 27,284,925.08</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	127,894.17
RD108	60,000.00	West Side ID	57,887.44
Santa Clara	565,798.94	Zone 7	28,012.40
<b>Total</b>		<b>\$ 2,010,860.88</b>	

*Power and Water Resources Pooling Authority*  
**P-3 Remaining Funds By Year**  
as of May 31, 2024

Member Agency	2020	2021	2022	2023	2024	Total Available P-3 Funds	Expenditures	
	(a)	(b)	(c)	(d)	(e)	(f)	Total to Date (g)	May-24 (h)
Arvin-Edison WSD	\$0.00	\$0.00	\$0.00	\$363,832.60	\$51,689.66	<b>\$415,522.26</b>	\$5,570,834.85	\$0.00
Banta Carbona ID	28,418.11	49,489.90	69,174.18	46,980.83	12,087.23	<b>206,150.25</b>	404,708.20	0.00
Byron-Bethany ID	0.00	0.00	0.00	8,141.09	2,635.58	<b>10,776.67</b>	171,290.66	0.00
Cawelo WD	0.00	0.00	4,271.92	77,807.64	3,911.20	<b>85,990.76</b>	962,841.11	0.00
Glenn-Colusa ID	23,300.11	32,132.77	16,890.62	37,269.19	3,918.46	<b>113,511.15</b>	348,863.79	0.00
James ID	10,457.51	15,685.23	21,738.73	7,617.89	4,105.12	<b>59,604.48</b>	130,969.96	0.00
Lower Tule ID	0.00	0.00	34,283.20	42,122.57	4,470.14	<b>80,875.91</b>	331,806.44	0.00
Princeton ID	0.00	0.00	0.00	16,001.17	2,028.37	<b>18,029.54</b>	177,976.09	0.00
RD 108	13,564.87	16,362.76	12,132.54	13,840.26	1,756.12	<b>57,656.55</b>	213,468.71	0.00
Santa Clara Valley WD	0.00	0.00	0.00	54,969.15	21,653.32	<b>76,622.47</b>	901,682.87	0.00
Sonoma County WA	99,654.97	109,040.76	150,507.89	120,836.42	28,025.75	<b>508,065.79</b>	1,490,752.21	0.00
West Stanislaus ID	0.00	0.00	58,050.32	40,541.61	7,286.13	<b>105,878.06</b>	496,284.30	0.00
Westlands WD	0.00	102,451.51	1,100,668.62	243,316.28	61,437.38	<b>1,507,873.79</b>	5,531,125.34	0.00
Zone 7	9,318.79	25,493.12	42,082.23	35,062.39	9,005.08	<b>120,961.61</b>	71,833.02	0.00
Undesignated/Forfeited/Misc	0.00	0.00	0.00	0.00	0.00	<b>107.06</b>	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>\$1,108,339.09</b>	<b>\$214,009.54</b>	<b>\$3,367,626.35</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 May 2024
- (e) 2024 P-3 collected through May 2024
- (f) Total available P-3 Funds
- (g) Total P-3 expenditures since inception of program
- (h) P-3 expenditures May 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 May 31, 2024

District	Resolution 13-04-05		Resolution 21-11-14				Total Revenue	Expenditures	Balance
	Allocation	Revenue	2021	2022	2023	2024			
Arvin-Edison	37.478%	\$3,421,905.95	\$208,146.78	\$831,876.00	\$855,689.42	\$263,538.75	\$5,581,156.90	\$3,921,905.95	\$1,659,250.95
Banta-Carbona	3.115%	284,413.18	33,717.30	132,634.85	145,589.41	38,646.75	635,001.49	0.00	635,001.49
Byron-Bethany	0.708%	64,643.51	5,278.35	20,240.47	20,602.13	5,958.07	116,722.53	116,722.53	0.00
Cawelo	8.447%	771,248.19	32,760.55	115,918.41	94,183.35	30,868.99	1,044,979.49	1,014,110.50	30,868.99
Glenn-Colusa	2.849%	260,126.21	23,174.67	86,307.16	74,702.20	21,644.25	465,954.49	465,954.49	0.00
James	0.798%	72,860.90	5,746.23	23,359.47	28,943.78	7,241.06	138,151.44	0.00	138,151.44
Lower Tule	1.005%	91,760.91	20,089.23	76,569.91	67,661.73	20,588.39	276,670.17	256,081.78	20,588.39
Princeton	1.334%	121,800.06	7,684.74	25,968.74	20,055.39	6,026.47	181,535.40	97,711.01	83,824.39
RD 108	1.368%	124,904.41	10,013.47	35,342.29	29,148.43	7,757.59	207,166.19	207,166.19	0.00
Santa Clara	4.853%	443,100.21	45,211.76	169,068.24	166,942.93	49,473.70	873,796.84	726,222.17	147,574.67
Sonoma	7.787%	710,987.29	71,470.54	275,734.34	277,421.66	79,962.97	1,415,576.80	196,000.00	1,219,576.80
West Stan	3.228%	294,730.57	31,345.36	119,698.69	134,401.03	37,248.00	617,423.65	150,789.15	466,634.50
Westlands	27.030%	2,467,957.68	202,357.42	796,569.54	1,084,844.98	291,472.56	4,843,202.18	1,390,020.55	3,453,181.63
Zone 7	0.000%	0.00	9,503.60	46,016.34	54,243.62	16,532.45	126,296.01	0.00	126,296.01
<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>\$876,960.00</b>	<b>\$16,523,633.58</b>	<b>\$ 8,542,684.32</b>	<b>\$ 7,980,949.26</b>

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

(b) GCID \$65,064.88 in approved projects remaining revenue transferred as a payment to power cost to help meet RPS

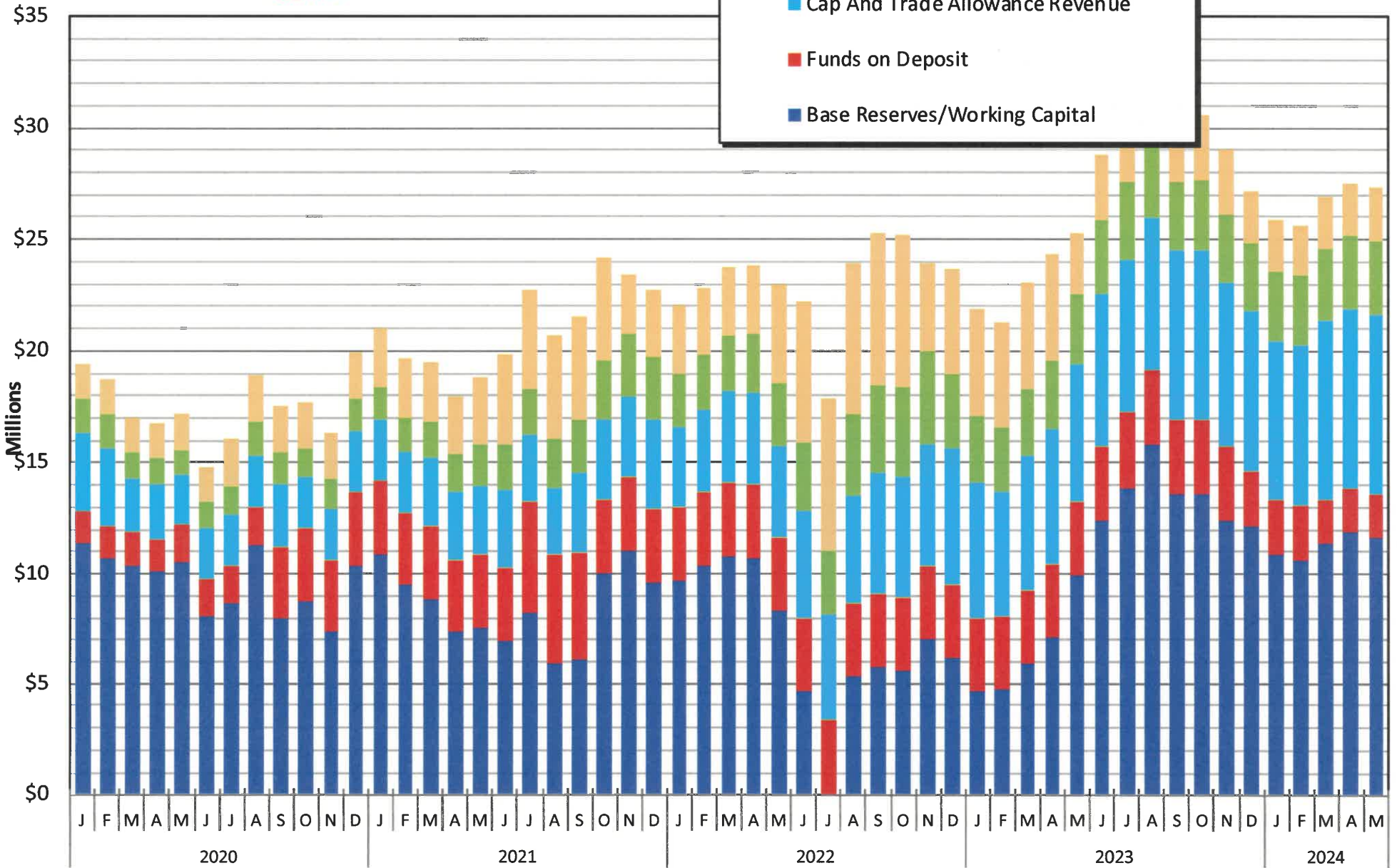
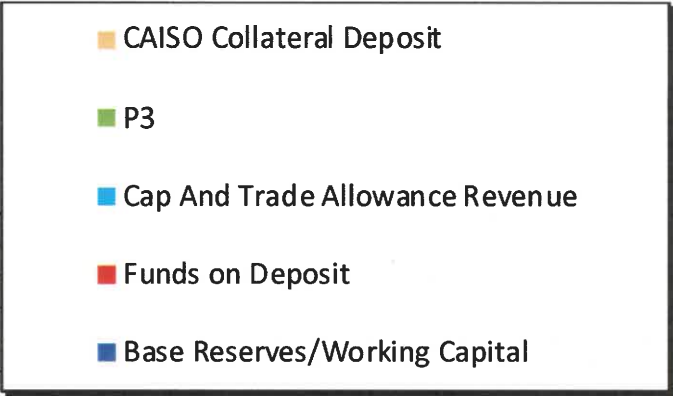
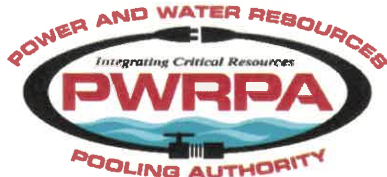
District	Exhibit B Allocation			
	2021	2022	2023	2024
Arvin	29.4617%	30.1918%	28.0147%	30.0514%
Banta Carbona	4.7724%	4.8138%	4.7665%	4.4069%
Byron Bethany	0.7471%	0.7346%	0.6745%	0.6794%
Cawelo	4.6370%	4.2071%	3.0835%	3.5200%
Glenn-Colusa	3.2802%	3.1324%	2.4457%	2.4681%
James	0.8133%	0.8478%	0.9476%	0.8257%
Lower Tule	2.8435%	2.7790%	2.2152%	2.3477%
Princeton	1.0877%	0.9425%	0.6566%	0.6872%
RD 108	1.4173%	1.2827%	0.9543%	0.8846%
Santa Clara	6.3994%	6.1361%	5.4656%	5.6415%
Sonoma	10.1161%	10.0074%	9.0826%	9.1182%
West Stan	4.4367%	4.3443%	4.4002%	4.2474%
Westlands	28.6422%	28.9104%	35.5171%	33.2367%
Zone 7	1.3452%	1.6701%	1.7759%	1.8852%
<b>Total</b>	<b>100.0000%</b>	<b>100.0000%</b>	<b>100.0000%</b>	<b>100.0000%</b>

**Sale of Freely Allocated Allowances**

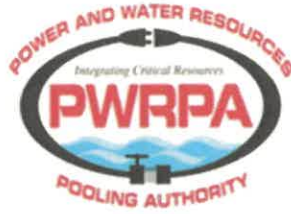
Year	March	June	September	December	Total
2012				\$ 216,935.00	\$ 216,935.00
2013	136,200.00			370,080.76	506,280.76
2014		379,500.00	184,000.00	192,511.00	756,011.00
2015	195,360.00	196,640.00	200,320.00	212,934.71	805,254.71
2016	212,158.18	89,530.09	249,317.05	296,303.48	847,308.80
2017	115,168.59	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
2024	876,960.00	-	-	-	876,960.00
				<b>Total</b>	<b>\$ 16,523,633.58</b>

Resolution 13-04-05	\$9,130,439.07
Resolution 21-11-14	7,393,194.51
	<u>\$16,523,633.58</u>

# SUMMARY TREASURER REPORT







POWER AND WATER RESOURCES POOLING AUTHORITY

**DISBURSEMENT LIST**

June 2024

Check #	Vendor-name	Payment-description	Check-amount
3552	Advanced Data Storage	Document Storage - June 2024	\$ 44.50
3553	Arvin-Edison Water Storage District	Treasurer's Duties	8,069.84
3554	Barbich Hooper King	Audit Services	1,840.00
3555	Braun Blaising & Wynne, P.C.	Legal Services - May 2024	389.41
3556	Michael McCarty Law Office PLLC	Consultant	3,000.00
3557	Robertson Bryan Inc.	Consultant	71,701.23
Sub-Total			<u>\$ 85,044.98</u>
<b>Wire Transfers:</b>			
Wire	Cameron-Daniel, P.C.	General Manager/General Council	\$ 37,711.40
Wire	Holland & Knight	FERC Wholesale Distribution Filing Legal Fees	87.53
Total			<u><u>\$ 122,843.91</u></u>

POWER & WATER RESOURCES POOLING AUTHORITY

WIRE TRANSFERS

May 1 - 31, 2024

Transaction Number	Beneficiary Name	Credit Amount	Value Date
225392	Cameron-Daniel, P.C.	\$37,489.00	5/6/2024
225393	ACES Power Marketing	\$32,916.67	5/6/2024
226314	CAISO Market Clearing	\$187,437.33	5/13/2024
226315	Pacific Gas and Electric	\$39,615.99	5/13/2024
226316	WAPA O M	\$443,636.00	5/13/2024
226317	Western Area Power Administration	\$48,464.34	5/13/2024
227181	Garlock Energy, LLC	\$3,494.57	5/20/2024
227182	Northern California Power Agency	\$96,832.00	5/20/2024
227183	Slate 1 (Canadian Solar)	\$216,926.82	5/20/2024
227186	CAISO Market Clearing	\$508,885.15	5/20/2024
227543	APX, Inc.	\$1,345.09	5/22/2024
228143	Pacific Gas and Electric	\$1,805.51	5/28/2024
228144	CAISO Market Clearing	\$11,029.98	5/28/2024
228145	APX, Inc.	\$1,188.53	5/28/2024
228146	Western Area Power Administration	\$536,209.49	5/28/2024
228147	GL Renewables, LLC	\$4,118.01	5/28/2024
228148	Trimark Associates, Inc.	\$50,034.90	5/28/2024
228149	Astoria 2 Operating	\$150,382.42	5/28/2024
228150	Whitney Point Solar LLC	\$153,722.73	5/28/2024
228151	Slate 1 (Canadian Solar)	\$252,790.77	5/28/2024
228158	Equus Energy Group	\$167.20	5/28/2024
<b>Total</b>		<b>2,778,492.50</b>	



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

2. Operations Report – July 2024 update.

# Power and Water Resources Pooling Authority

## July 2024 Update

### Operations Manager Report



#### Possible Action

n/a



#### Operations Staff Overview

1. July planned activity
  - a) Task team participation
  - b) 2023 Reconciliation
  - c) 2023 reconciliation prep
  - d) 2025 RA Strategy
2. June recap
  - a) REC procurement completed!
  - b) LTRID Hydro meter issues coord.
  - c) Strategy Meeting: RA education
  - d) Annual RPS CEC Reporting

#### Operations Report:

1. Pre-Reconciliation
  - a) Actual data for Jan-Apr, June-December estimates.
  - b) CP4 REC procurement allocations/cost 95% complete now.

**Table 1: 2024 Cash Flow**

Cashflow Summary: January - December 2024							
Participant	Power Invoice	Power & Ops Costs	P3	Direct Consulting + Prior Period	Change in Reserve Estimate	Total Costs	Over/(Under) Funded
Arvin-Edison	\$ 11,773,411	\$ 10,953,165	\$ 312,165	\$ 10,126	\$ 79,341	\$ 11,354,796	\$ 418,615
Banta-Carbona	\$ 1,790,779	\$ 1,756,451	\$ 50,059	\$ 1,657	\$ (9,680)	\$ 1,798,486	\$ (7,707)
Byron-Bethany	\$ 387,171	\$ 394,484	\$ 11,243	\$ (5,675)	\$ (223)	\$ 399,828	\$ (12,657)
Cawelo	\$ 2,206,594	\$ 2,026,376	\$ 57,752	\$ 1,985	\$ (3,560)	\$ 2,082,552	\$ 124,042
Glenn-Colusa	\$ 1,202,292	\$ 1,138,233	\$ 32,440	\$ (20,357)	\$ (6,037)	\$ 1,144,279	\$ 58,013
James	\$ 448,703	\$ 409,594	\$ 11,673	\$ 282	\$ (139)	\$ 421,412	\$ 27,291
Lower Tule	\$ 1,201,768	\$ 1,101,644	\$ 31,397	\$ 1,024	\$ (11,451)	\$ 1,122,614	\$ 79,155
Princeton	\$ 545,406	\$ 486,980	\$ 13,879	\$ 493	\$ 2,569	\$ 503,921	\$ 41,486
RD108	\$ 447,768	\$ 450,142	\$ 12,829	\$ (7,333)	\$ (14,879)	\$ 440,759	\$ 7,009
Santa Clara	\$ 2,743,294	\$ 2,577,932	\$ 73,471	\$ 10,064	\$ (23,353)	\$ 2,638,113	\$ 105,181
Sonoma	\$ 3,940,894	\$ 3,566,936	\$ 101,658	\$ 3,450	\$ (30,047)	\$ 3,641,997	\$ 298,897
West Stan	\$ 1,474,580	\$ 1,247,135	\$ 35,543	\$ 1,319	\$ (19,510)	\$ 1,264,487	\$ 210,093
Westlands	\$ 10,270,472	\$ 9,784,818	\$ 278,867	\$ 4,720	\$ 53,273	\$ 10,121,678	\$ 148,794
Zone 7	\$ 1,040,308	\$ 875,728	\$ 24,958	\$ 2,258	\$ (16,303)	\$ 886,642	\$ 153,666
<b>PWRPA</b>	<b>\$ 39,473,441</b>	<b>\$ 36,769,617</b>	<b>\$ 1,047,934</b>	<b>\$ 4,012</b>	<b>\$ (0)</b>	<b>\$ 37,821,564</b>	<b>\$ 1,651,877</b>

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

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

**Table 2: 2024 Cost of Service**

<b>Cost of Service Summary: January - December 2024</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	99,330,905	\$ 10,953,165	\$ (263,539)	\$ 10,689,626	\$ 10.76
Banta-Carbona	16,356,904	\$ 1,756,451	\$ (38,647)	\$ 1,717,804	\$ 10.50
Byron-Bethany	2,706,952	\$ 394,484	\$ (5,958)	\$ 388,526	\$ 14.35
Cawelo	18,035,702	\$ 2,026,376	\$ (30,869)	\$ 1,995,507	\$ 11.06
Glenn-Colusa	11,311,230	\$ 1,138,233	\$ (21,644)	\$ 1,116,589	\$ 9.87
James	2,960,055	\$ 409,594	\$ (7,241)	\$ 402,353	\$ 13.59
Lower Tule	9,483,916	\$ 1,101,644	\$ (20,588)	\$ 1,081,055	\$ 11.40
Princeton	4,220,441	\$ 486,980	\$ (6,026)	\$ 480,953	\$ 11.40
RD108	2,862,724	\$ 450,142	\$ (7,758)	\$ 442,384	\$ 15.45
Santa Clara	20,534,243	\$ 2,577,932	\$ (49,474)	\$ 2,528,458	\$ 12.31
Sonoma	33,246,530	\$ 3,566,936	\$ (79,963)	\$ 3,486,973	\$ 10.49
West Stan	13,477,784	\$ 1,247,135	\$ (37,248)	\$ 1,209,887	\$ 8.98
Westlands	64,629,326	\$ 9,784,818	\$ (291,473)	\$ 9,493,345	\$ 14.69
Zone 7	6,487,132	\$ 875,728	\$ (16,532)	\$ 859,196	\$ 13.24
<b>TOTAL</b>	<b>305,643,846</b>	<b>\$ 36,769,617</b>	<b>\$ (876,960)</b>	<b>\$ 35,892,657</b>	<b>\$ 11.74</b>

2. April operations
  - a) Energy is 4 percent below budget for May, 8% below for the year.
  - b) Load averaged 59MW, 23MW above last month
  - c) Average schedule deviation of 6MW for an estimated credit of \$18,000.
3. Pricing
  - a) Average monthly prices:

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

	<b>Cost</b>	<b>Revenue</b>
BR	\$ 17.52	\$ (19.59)
Displacement	\$ 17.52	\$ (16.41)
WWD BOR	\$ -	\$ (21.48)
Whitney Point	\$ 58.75	\$ (2.77)
Astoria	\$ 63.00	\$ (23.54)
Slate	\$ 26.81	\$ (4.25)
*Lodi	\$ 499.05	\$ (50.07)
Market		

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

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

**Generator Reports**

1. Astoria Solar
  - a) Staff Notes: changed negative price floor to increase generation output
  - b) Generation
    - 1,1991 MWh, 27% capacity factor
    - Net credit \$7,000 or \$4 /MWh
    - Similar trend of negative pricing to last year

**Table 4: Astoria pricing summary**

May 2024 - Pricing Analysis, Rates in \$/MWh		2024	2023
Negatively Priced Intervals (5min) w/ Generation	Count	1,893	1,980
	Total MWh	1,153	1,531
	Average LMP	\$ (15.60)	\$ (15.12)
	Maximum LMP	\$ (0.00)	\$ (0.00)
	Minimum LMP	\$ (50.12)	\$ (166.09)
Positively Priced Intervals (5min) w/ Generation	Count	2,079	2,633
	Total MWh	838	1,438
	Average LMP	\$ 22.47	\$ 34.61
	Maximum LMP	\$ 1,004.72	\$ 685.18
	Minimum LMP	\$ 0.00	\$ 0.00

2. Whitney Point Solar
  - a) Generation
    - 2,669 MWh, 33% capacity factor
    - Net cost \$18,000, or \$7 /MWh
    - Negative Pricing:

**Table 5: Whitney Point pricing summary**

May 2024 - Pricing Analysis, Rates in \$/MWh		2024	2023
Negatively Priced Intervals (5min) w/ Generation	Count	3,639	1,960
	Total MWh	2,201	1,416
	Average LMP	\$ (27.84)	\$ (14.06)
	Maximum LMP	\$ (0.00)	\$ (0.00)
	Minimum LMP	\$ (59.64)	\$ (83.94)
Positively Priced Intervals (5min) w/ Generation	Count	1,566	3,207
	Total MWh	467	1,744
	Average LMP	\$ 26.55	\$ 27.02
	Maximum LMP	\$ 102.46	\$ 1,054.78
	Minimum LMP	\$ 0.01	\$ 0.00

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

- 3. Slate Solar + Battery
  - a) Generation
    - o 5,260 MWh, 27% capacity factor
    - o Net credit of \$297,000, or \$56 /MWh
    - o Pricing review:

**Table 6: Slate pricing summary**

May 2024 - Pricing Analysis, Rates in \$/MWh		2024	2023
Negatively Priced Intervals (5min) w/ Generation	Count	2,881	1,397
	Total MWh	3,297	1,870
	Average LMP	\$ (26.10)	\$ (12.16)
	Maximum LMP	\$ (0.10)	\$ (0.10)
	Minimum LMP	\$ (69.40)	\$ (41.60)
Positively Priced Intervals (5min) w/ Generation	Count	2,280	4,469
	Total MWh	1,963	4,832
	Average LMP	\$ 28.75	\$ 24.33
	Maximum LMP	\$ 956.10	\$ 978.80
	Minimum LMP	\$ 0.10	\$ 0.10

- 4. Lodi Energy Center
  - o Ran minimally (2 days)

**Power Planning & Regulatory**

- 1. Power Net Short
  - a) WAPA’s current forecast is June 1, 2024.
  - b) Staff looking at the reduction of forward power prices and could consider purchasing off-peak power for 2025.

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

**Table 7: On- and Off-peak Power Net Short**

ON-PEAK	On Peak												6/7/2024 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
6/1/2024	60.4	72.0	95.2	59.6	58.9	61.6	(0.8)	(13.1)	(33.5)	100%	(0.8)	(13.1)	(33.5)	\$ 27.47	\$ (1.78)
7/1/2024	59.3	70.1	83.9	69.2	73.1	78.5	10.0	3.0	(5.4)	100%	10.0	3.0	(5.4)	\$ 43.98	\$ (8.78)
8/1/2024	52.1	60.3	71.8	74.9	69.0	71.5	22.7	8.6	(0.3)	90%	28.0	14.7	6.9	\$ 61.06	\$ (8.32)
9/1/2024	39.4	47.2	55.1	65.6	51.8	55.0	26.2	4.5	(0.1)	90%	30.2	9.3	5.4	\$ 53.62	\$ (6.23)
10/1/2024	31.5	39.5	48.4	59.2	37.7	36.8	27.7	(1.8)	(11.6)	70%	37.2	10.1	3.0	\$ 50.28	\$ (2.94)
11/1/2024	20.8	23.7	25.0	68.1	22.5	24.4	47.2	(1.3)	(0.7)	70%	53.5	5.8	6.8	\$ 63.39	\$ 1.40
12/1/2024	12.7	12.7	16.2	70.1	22.1	14.6	57.4	9.4	(1.6)	70%	61.2	13.2	3.3	\$ 89.29	\$ 1.28
1/1/2025	15.6	14.5	17.5	63.7	20.4	20.4	48.1	5.9	3.0	50%	55.9	13.2	11.7	\$ 95.86	\$ 2.12
2/1/2025	21.9	28.5	32.5	60.9	34.9	34.4	39.0	6.4	1.8	50%	50.0	20.6	18.1	\$ 69.38	\$ 0.21
3/1/2025	25.3	33.3	43.1	61.1	63.7	42.1	35.8	30.4	(1.0)	50%	48.4	47.0	20.5	\$ 40.07	\$ (0.64)
4/1/2025	38.9	57.9	72.2	57.7	71.3	71.3	18.8	13.4	(0.9)	50%	38.3	42.4	35.2	\$ 33.18	\$ (0.49)
5/1/2025	49.6	78.5	97.9	81.4	75.1	64.8	31.8	(3.4)	(33.1)	50%	56.6	35.9	15.9	\$ 28.95	\$ (3.12)
6/1/2025	63.3	87.6	106.3	74.9	69.8	67.7	11.6	(17.8)	(38.6)	50%	43.2	26.0	14.5	\$ 44.14	\$ 2.32
7/1/2025	60.2	79.9	96.7	86.7	81.3	82.0	26.4	1.5	(14.7)	50%	56.6	41.4	33.7	\$ 61.83	\$ (1.39)
8/1/2025	51.5	67.3	81.3	82.5	75.7	74.5	31.0	8.4	(6.8)	50%	56.7	42.0	33.9	\$ 81.81	\$ 0.99
9/1/2025	38.0	51.1	64.4	75.7	61.6	52.6	37.8	10.5	(11.8)	50%	56.8	36.1	20.4	\$ 69.85	\$ 0.66
10/1/2025	30.8	43.2	55.5	44.9	40.9	38.4	14.1	(2.3)	(17.1)	30%	35.7	27.9	21.8	\$ 56.54	\$ 1.08
11/1/2025	19.2	23.2	25.8	37.1	32.2	30.6	17.9	8.9	4.8	30%	31.4	25.2	22.9	\$ 69.77	\$ 1.57
12/1/2025	12.2	14.0	16.1	54.7	34.2	17.1	42.5	20.2	0.9	30%	51.0	30.0	12.2	\$ 102.56	\$ 2.54

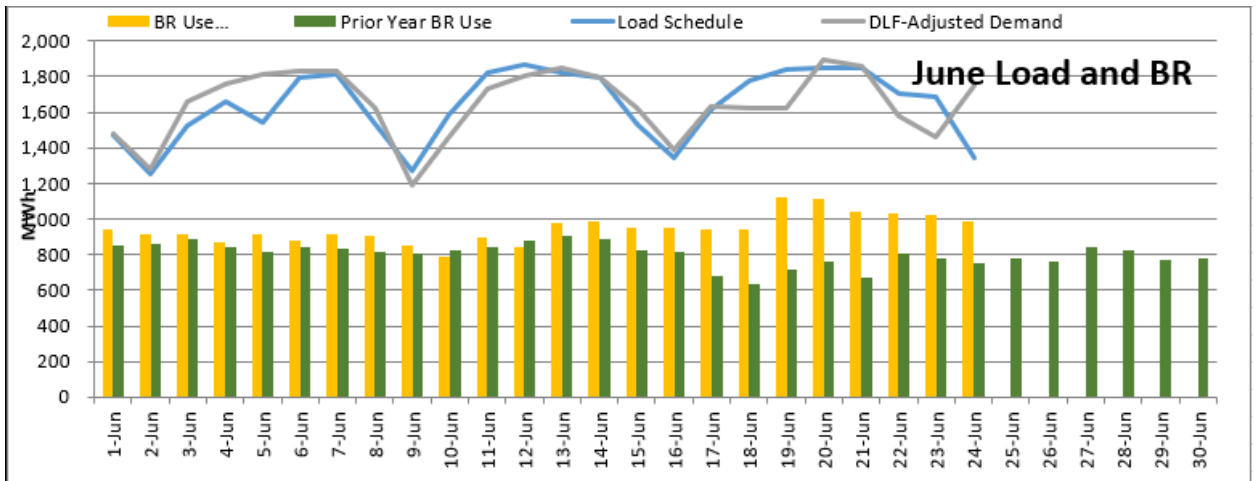
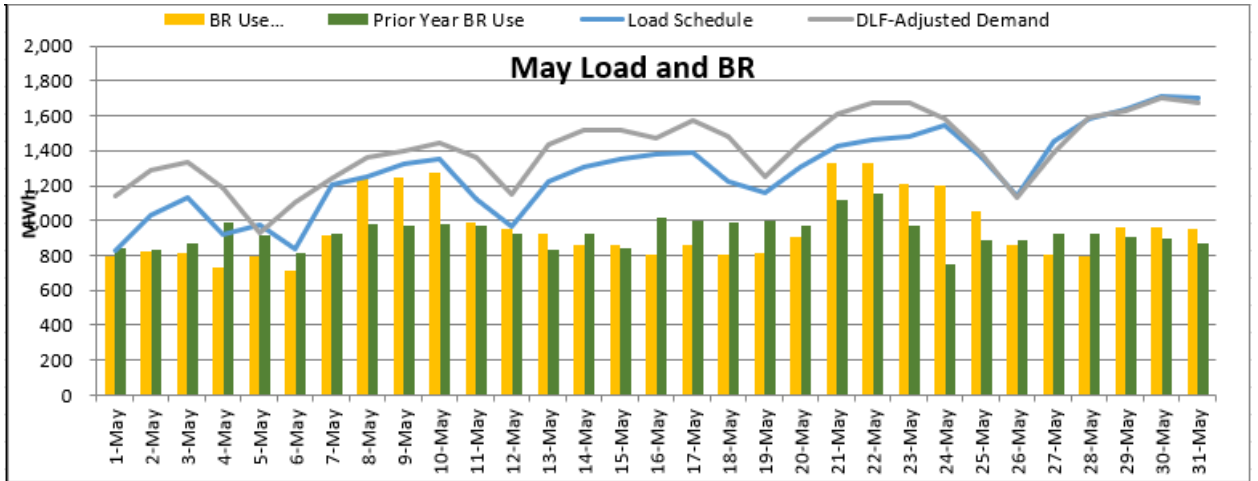
  

Off-Peak	Off Peak												6/7/2024 Forward Mkt	Change from last NSP	
	Demand, MW			Resources, MW			Net Long/(Short), MW			RMP	Net (Short)/Long based on RMP				
	Wet	Average	Dry	Wet	Average	Dry	Wet	Average	Dry		Wet	Average			Dry
6/1/2024	50.7	59.9	78.3	52.2	51.2	55.2	1.5	(8.8)	(23.1)	100%	1.5	(8.8)	(23.1)	\$ 24.97	\$ (0.21)
7/1/2024	52.9	61.9	72.7	47.9	51.9	57.6	(5.0)	(9.9)	(15.1)	100%	(5.0)	(9.9)	(15.1)	\$ 39.16	\$ (2.85)
8/1/2024	46.2	52.8	61.5	40.9	36.3	38.4	(5.3)	(16.4)	(23.1)	90%	(0.7)	(11.2)	(16.9)	\$ 50.57	\$ (0.45)
9/1/2024	34.8	41.1	46.6	41.8	30.4	33.0	7.0	(10.6)	(13.6)	90%	10.5	(6.5)	(9.0)	\$ 50.81	\$ 1.31
10/1/2024	26.1	31.6	36.9	45.7	22.9	22.0	19.6	(8.6)	(14.9)	70%	27.5	0.8	(3.8)	\$ 48.96	\$ (0.52)
11/1/2024	18.2	20.2	20.6	31.5	7.3	8.3	13.3	(12.9)	(12.3)	70%	18.8	(6.9)	(6.2)	\$ 58.78	\$ (2.53)
12/1/2024	12.6	12.7	15.8	22.4	6.9	4.5	9.8	(5.8)	(11.3)	70%	13.6	(2.0)	(6.6)	\$ 80.94	\$ 4.31
1/1/2025	13.4	12.6	14.9	33.9	9.3	9.3	20.5	(3.3)	(5.6)	50%	27.2	3.0	1.8	\$ 79.23	\$ (1.38)
2/1/2025	18.9	25.2	29.3	42.3	18.9	18.5	23.5	(6.3)	(10.8)	50%	32.9	6.3	3.8	\$ 74.23	\$ 1.54
3/1/2025	20.6	27.9	36.1	38.7	41.2	22.1	18.1	13.3	(14.0)	50%	28.4	27.2	4.0	\$ 46.47	\$ 1.35
4/1/2025	27.7	43.1	54.5	32.2	43.6	43.6	4.6	0.5	(10.9)	50%	18.4	22.1	16.4	\$ 44.02	\$ (0.24)
5/1/2025	39.9	62.9	78.2	68.2	61.0	49.3	28.3	(1.9)	(28.9)	50%	48.2	29.5	10.2	\$ 35.08	\$ (1.92)
6/1/2025	53.2	72.4	87.1	71.6	64.3	61.1	18.4	(8.1)	(26.0)	50%	45.0	28.1	17.6	\$ 49.28	\$ (0.82)
7/1/2025	54.0	69.9	83.6	67.5	61.9	62.6	13.5	(8.0)	(21.0)	50%	40.5	26.9	20.8	\$ 58.45	\$ (1.48)
8/1/2025	45.9	58.4	69.5	51.5	46.2	45.4	5.6	(12.2)	(24.1)	50%	28.5	17.0	10.7	\$ 69.12	\$ 2.25
9/1/2025	33.9	43.9	54.3	46.5	35.0	27.4	12.6	(9.0)	(26.9)	50%	29.6	13.0	0.3	\$ 69.36	\$ 4.03
10/1/2025	25.7	33.7	41.7	30.5	26.2	23.6	4.8	(7.5)	(18.2)	30%	22.8	16.1	11.1	\$ 53.88	\$ 2.17
11/1/2025	17.1	19.8	21.1	15.3	12.7	11.7	(1.8)	(7.1)	(9.4)	30%	10.2	6.7	5.4	\$ 67.35	\$ (2.13)
12/1/2025	12.3	14.0	16.0	18.9	12.3	6.8	6.6	(1.7)	(9.2)	30%	15.2	8.1	2.0	\$ 94.77	\$ (1.09)

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

- 2. BR output:
  - a. Covered 68% of load for May and 58% of June so far

**Figure 1: Monthly BR and Load**



- 3. Regulatory Items
  - a. Resource Adequacy:
    - i. Staff is working on 2025 requirements and plan to present procurement strategy in August
    - ii. Staff is tracking both CEC and CAISO changes to RA requirements
  - b. Renewable Energy Certificates
    - i. Staff completed PCC2 and PCC3 procurements to complete needs for this compliance period.
    - ii. Staff working on various District project investigations.



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

### 3. GM Comments

**Power and Water Resources Pooling Authority**  
**July 3, 2024 Information Packet**  
**GM Comments**

**BOARD MEETING PLANNER**

- The Strategic Session and Regular Board Meeting will be held on Thursday, August 8 and Friday, August 9. The current plan is as follows:
  - Location: 404 Aviation Blvd, Santa Rosa, CA 95403
  - Thursday will include a morning and an afternoon session. Subject matter will be current work product of the Business Continuity and Power Strategic Teams.
  - Thursday night dinner together.
  - The Regular Board Meeting will be held on Friday morning at 9:00 AM. Agenda items will include the 2023 Reconciliation, power project status, Buena Vista WSD participation and a Closed Session on the WDT3 2025 Annual Update and the new WDT rate case scheduled to begin in November 2024.
  - More information will be sent out in advance of the meeting dates.
  
- The Regular Board Meeting scheduled for Wednesday, October 2, will likely be held at the new offices of Westland Water District in Fresno. On tap will be the very important 2025 budget discussions.

**PG&E WDT3 ANNUAL UPDATE**

Pursuant to the WDT3 Formula Rate Protocols, PG&E provided its Draft Annual Update for the Rate Year 2025. Similar to last year, PWRPA will engage GDS Associates to evaluate the inputs to the existing Formula Rate Model (“Model”). For a number of reasons, the proposed rates for 2025 have skyrocketed similar to 2023. This problem, endemic to the Model, will be discussed in Closed Session on August 9. Moreover, this may be discussed during my **weekly office hour** (as long as less than a quorum of the Board are participating).

	2022	2023	2024	2025
SA 56 PRI	\$ 15.741	\$ 25.505	\$ 12.803	\$ 12.343
SA 17 PRI	\$ 12.244	\$ 16.051	\$ 11.032	\$ 14.259
SA 17 SEC	\$ 19.302	\$ 30.003	\$ 12.202	\$ 31.038

**Proposed**

