

**Power & Water Resources Pooling  
Authority**

# Information Packet

**Wednesday, January 1, 2025**

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

# **Power & Water Resources Pooling Authority**

1. GM Comments

# **Power and Water Resources Pooling Authority**

## **January 1, 2025 Information Packet**

### **GM Comments**

#### **BOARD MEETING PLANNER**

The next Regular Board Meeting will be held on Wednesday, February 5, at the Banta Carbona Irrigation District, 3504 W. Lehman Rd., Tracy, CA 95304. In addition to the usual matters, proposed subjects for the meeting are:

- Power project updates (BCID, WSID, AEWS, Z7, WWD, RD 108, JID, CWD, SCWA)
- Auxiliary load task team update
- SA 56 POD for SCVWD and Zone 7 update
- WAPA transmission agreement for Base Resource
- Strategic business unit & staffing transition, effective January 1, 2025
- Closed session: WDT4 update, PG&E interconnection agreement

The remaining 2025 meetings are scheduled as follows:

- April 2, Wednesday at BCID
- June 4, Wednesday at CWD
- August 6, Wednesday at BCID
- October 1, Wednesday (at WWD?)
- December 9, Monday at BCID

#### **REGULAR OFFICE HOURS AND TASK TEAM MEETING**

I am continuing my expanded office hours in January, however, the Thursday event from 3-4 P.M. has been sparsely attended. I'm moving it up 1 hour, from 2-3 P.M., as an experiment.

- Monday, 8-9 A.M. Office Hours on January 6, 13, 20, 27
- Thursday, 2-3 P.M. Office Hours on January 2, 9, 23, 30 (not on 16)
- Wednesday, Jan 15 Aux Load Task Team: Rockwell H2 at WSID
- TBD Aux Load Task Team: follow-up TEAMS call

#### **PG&E WDT4 ACCEPTANCE AND SUSPENSION BY FERC**

On October 25, 2024, PG&E filed proposed changes to its formula rate and revisions to certain non-rate terms and conditions of PG&E's Wholesale Distribution Tariff (WDT4) for the recovery of costs associated with its wholesale distribution facilities. PG&E proposed an increased distribution revenue requirement (DRR) and associated distribution service rates based on the revised formula rate. On December 23, 2024, FERC published its acceptance of PG&E's proposed revisions to the WDT4 Formula Rate, the proposed 2025 wholesale DRR, and other proposed revisions to the WDT, suspended them for five months, to become effective May 25, 2025, subject to refund, and established hearing and settlement judge procedures. This is standard procedure by FERC for these rate filings, and effectively means that PWRPA will be paying the WDT3 rates that were filed in the annual update for 2025.

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

2. Treasurer's Report for Month Ending November 30, 2024.



POWER AND WATER RESOURCES POOLING AUTHORITY

**DISBURSEMENT LIST**

December 2024

Check #	Vendor-name	Payment-description	Check-amount
3607	Advanced Data Storage	Document Storage - December 2024	\$ 44.50
3608	Arvin-Edison Water Storage District	Treasurer's Duties	7,529.05
3609	Braun Blaising & Wynne, P.C.	Legal Services - November 2024	368.11
3610	Michael McCarty Law Office PLLC	Consultant	3,000.00
3611	Robertson Bryan Inc.	Consultant	65,212.00
		Sub-Total	<u>\$ 76,153.66</u>
<b>Wire Transfers:</b>			
Wire	Cameron-Daniel, P.C.	General Manager/General Council	\$ 36,972.60
		Total	<u><u>\$ 113,126.26</u></u>

POWER AND WATER RESOURCES POOLING AUTHORITY  
**CASH ACTIVITY AND TREASURER'S REPORT**  
 MONTH ENDING NOVEMBER 30, 2024

**CASH ACTIVITY:**

BALANCE OCTOBER 31, 2024		\$ 24,211,792.11
<b>Increases:</b>		
Power Billing Invoices	\$ 1,675,127.07	
NCPA - LEC	18,614.01	
APX Astoria	29,151.71	
CAMP - Monthly Interest	29,744.32	
TCB - Monthly Interest	25,693.01	
		1,778,330.12
<b>Decreases:</b>		
WAPA - O&M	\$ 1,032,600.00	
WAPA - Power October 2024	825,257.61	
CAISO	706,938.08	
Slate Solar - September 2024	258,143.59	
WAPA Restoration - October 2024	126,434.71	
Recurrent Energy - Astoria Solar - October 2024	98,794.98	
NextEra Whitney Point Solar - October 2024	83,370.40	
NCPA - LEC - November 2024	81,215.00	
Robertson-Bryan, Inc	54,140.39	
PG&E - GCID, RD 108, SCVWD, Zone 7	49,820.27	
Trimark - Cell, Meter Reading and T&M October 2024	48,845.39	
Cameron-Daniel, P.C.	39,868.65	
ACES - November 2024	32,916.67	
Arvin-Edison Water Storage District-Treasurer	6,551.67	
Success Power - September 2024	5,084.83	
GL Renewables - October 2024	3,134.85	
GDS Associates - WDT FERC	3,116.93	
Michael McCarty Law Office, PLLC	3,000.00	
California Special Districts - 2025 Membership	2,300.00	
White Pines Solar Santa Clara WD - October 2024	1,898.32	
Bank Fees	500.00	
Braun Blaising & Wynne, P.C.	381.64	
Westlands Water District - BOD Lunch	270.42	
Advanced Data Storage	44.50	
		3,464,628.90
BALANCE NOVEMBER 30, 2024		<b><u>\$ 22,525,493.33</u></b>
<b>TREASURERS REPORT:</b>		
Operating Account:		
Tri Counties Bank - General Operating Account #1031821, yield 4.402%		\$ 5,943,616.81
Local Agency Investment Fund (LAIF) - Account # 90-39007, yield 4.477%		
Reserve Funds	\$ 6,009,300.16	
Cap & Trade Allowance Revenue	3,092,256.62	
		9,101,556.78
California Asset Management Program (CAMP) #6218-001, yield 4.78%		
Cap & Trade Allowance Revenue	\$ 4,003,464.70	
Funds on Deposit	3,154,503.36	
Unallocated Interest - (Cap & Trade Revenue)	202,692.45	
Unallocated Interest - (Funds on Deposit)	114,978.05	
Reserve Funds	4,681.18	
		7,480,319.74
TOTAL PWRPA FUNDS - NOVEMBER 30, 2024		<b><u>\$ 22,525,493.33</u></b>
Public Purpose Program (P-3) Tri Counties Bank Account #1031856, yield 4.402%		<u>3,006,200.40</u>
TOTAL FUNDS ON DEPOSIT WITH PWRPA - NOVEMBER 30, 2024		<b><u>\$ 25,531,693.73</u></b>
CAISO Collateral Deposit Account		2,425,100.06
Western Area Power Administration - PWRPA Trust Account		<u>1,000.00</u>
TOTAL FUNDS - PWRPA & OTHER AGENCIES - NOVEMBER 30, 2024		<b><u>\$ 27,957,793.79</u></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 ID	\$ 280,038.43	Sonoma CWA	704,570.48
Cawelo WD	251,663.23	West Stanislaus ID	282,746.34
James ID	43,291.60	Westlands WD	127,894.17
Glen-Colusa ID	118,183.47	West Side ID	57,887.44
Lower tule River ID	181,788.13	RD108	60,000.00
Santa Clara VWD	1,018,427.67	Zone 7	28,012.40
		<b>Total</b>	<b><u>\$ 3,154,503.36</u></b>

*Power and Water Resources Pooling Authority*  
**P-3 Remaining Funds By Year**  
*as of November 30, 2024*

Member Agency	2021	2022	2023	2024	Total Available P-3 Funds	Expenditures	
	(a)	(b)	(c)	(d)	(e)	Total to Date (f)	November-24 (g)
Arvin-Edison WSD	\$0.00	\$0.00	\$0.00	\$198,058.90	<b>\$198,058.90</b>	\$5,986,357.11	\$0.00
Banta Carbona ID	0.00	0.00	0.00	40,946.99	<b>40,946.99</b>	598,771.22	0.00
Byron-Bethany ID	0.00	0.00	5,393.46	10,407.22	<b>15,800.68</b>	171,290.66	0.00
Cawelo WD	0.00	4,271.92	70,435.40	47,515.68	<b>122,223.00</b>	962,841.11	0.00
Glenn-Colusa ID	22,241.25	16,890.62	35,182.83	26,993.06	<b>101,307.76</b>	382,055.42	0.00
James ID	4,419.78	21,738.73	7,273.35	11,063.36	<b>44,495.22</b>	152,692.92	0.00
Lower Tule ID	0.00	34,283.20	37,155.85	26,852.59	<b>98,291.64</b>	331,806.44	0.00
Princeton ID	0.00	0.00	13,555.90	13,450.28	<b>27,006.18</b>	177,976.09	0.00
RD 108	16,128.90	12,132.54	12,817.34	10,119.83	<b>51,198.61</b>	227,267.44	0.00
Santa Clara Valley WD	0.00	0.00	43,308.56	62,097.08	<b>105,405.64</b>	901,682.87	0.00
Sonoma County WA	33,695.73	150,507.89	109,555.86	91,223.07	<b>384,982.55</b>	1,665,752.21	0.00
West Stanislaus ID	0.00	58,050.32	32,977.84	37,939.83	<b>128,967.99</b>	496,284.30	0.00
Westlands WD	102,451.51	1,100,668.62	237,754.20	192,248.61	<b>1,633,122.94</b>	5,531,125.34	0.00
Zone 7	0.00	0.00	33,033.42	21,251.82	<b>54,285.24</b>	148,727.16	0.00
Undesignated/Forfeited/Misc	0.00	0.00	0.00	0.00	<b>107.06</b>	35,133.04	0.00
<b>Total</b>	<b>\$178,937.17</b>	<b>\$1,398,543.84</b>	<b>\$638,444.01</b>	<b>\$790,168.32</b>	<b>\$3,006,200.40</b>	<b>\$17,769,763.33</b>	<b>\$0.00</b>
Exclusive access Date	08/02/25	08/01/26	08/08/27				

- (a) Three year exclusive access to these funds by agency begins on 8/03/22 and ends 08/02/25
- (b) Three year exclusive access to these funds by agency begins on 8/02/23 and ends 08/01/26
- (c) Three year exclusive access to these funds by agency begins on 8/09/24 and ends 08/08/27
- (d) 2024 P-3 collected through November 2024
- (e) Total available P-3 Funds
- (f) Total P-3 expenditures since inception of program
- (g) P-3 expenditures November 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 November 30, 2024

District	Resolution 13-04-05		Resolution 21-11-14				Total Revenue	Interest*	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	\$710,032.83	\$6,027,650.98	\$32,186.32	\$5,825,907.54	\$233,929.76
Banta-Carbona	3.115%	284,413.18	33,717.30	132,634.85	145,589.41	104,123.06	700,477.80	17,382.90	635,001.49	82,859.21
Byron-Bethany	0.708%	64,643.51	5,278.35	20,240.47	20,602.13	16,052.37	126,816.83	0.00	126,816.83	0.00
Cawelo	8.447%	771,248.19	32,760.55	115,918.41	94,183.35	83,168.03	1,097,278.53	22,728.52	1,014,110.50	105,896.55
Glenn-Colusa	2.849%	260,126.21	23,174.67	86,307.16	74,702.20	58,314.49	502,624.73	0.00	502,624.73	0.00
James	0.798%	72,860.90	5,746.23	23,359.47	28,943.78	19,509.05	150,419.43	3,872.30	0.00	154,291.73
Lower Tule	1.005%	91,760.91	20,089.23	76,569.91	67,661.73	55,469.77	311,551.55	6,492.49	256,081.78	61,962.26
Princeton	1.334%	121,800.06	7,684.74	25,968.74	20,055.39	16,236.67	191,745.60	3,277.55	97,711.01	97,312.14
RD 108	1.368%	124,904.41	10,013.47	35,342.29	29,148.43	20,900.69	220,309.29	0.00	220,309.29	0.00
Santa Clara	4.853%	443,100.21	45,211.76	169,068.24	166,942.93	133,293.30	957,616.44	7,793.03	726,222.17	239,187.30
Sonoma	7.787%	710,987.29	71,470.54	275,734.34	277,421.66	215,438.26	1,551,052.09	33,233.01	196,000.00	1,388,285.10
West Stan	3.228%	294,730.57	31,345.36	119,698.69	134,401.03	100,354.51	680,530.16	11,962.33	150,789.15	541,703.34
Westlands	27.030%	2,467,957.68	202,357.42	796,569.54	1,084,844.98	785,292.82	5,337,022.44	86,300.67	1,390,020.55	4,033,302.56
Zone 7	0.000%	0.00	9,503.60	46,016.34	54,243.62	44,542.15	154,305.71	2,685.66	0.00	156,991.37
<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>\$2,362,728.00</b>	<b>\$18,009,401.58</b>	<b>\$227,914.78</b>	<b>\$ 11,141,595.04</b>	<b>\$ 7,095,721.32</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

\* Interest earned on C&T funds for 2023

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>

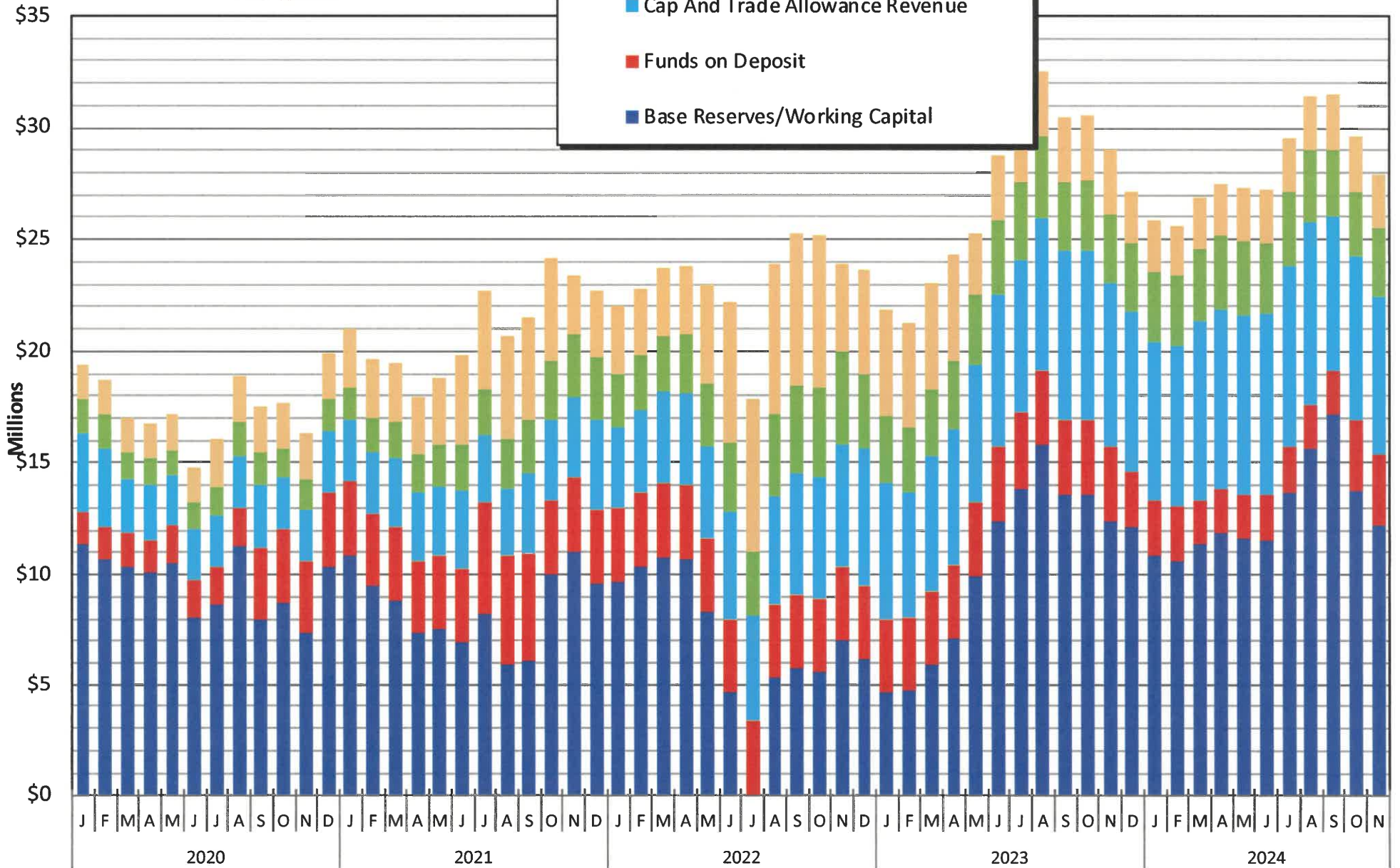
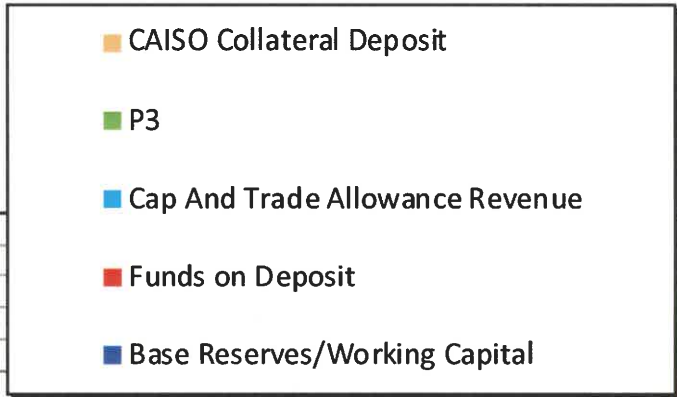
**Sale of Freely Allocated Allowances**

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	814,440.00	671,328.00	-	2,362,728.00
				<b>Total</b>	<b>\$ 18,009,401.58</b>

Resolution 13-04-05 \$9,130,439.07  
 Resolution 21-11-14 8,878,962.51  
\$18,009,401.58



# SUMMARY TREASURER REPORT



POWER & WATER RESOURCES POOLING AUTHORITY

WIRE TRANSFERS

November 1 - 30, 2024

Transaction Number	Beneficiary Name	Credit Amount	Value Date
249862	Success Power Project (Lower Tule)	\$5,084.83	11/4/2024
249863	ACES Power Marketing	\$32,916.67	11/4/2024
249864	CAISO Market Clearing	\$42,429.39	11/4/2024
249894	GDS Associates	\$3,116.93	11/4/2024
250194	Cameron-Daniel, P.C.	\$39,868.65	11/6/2024
250749	CAISO Market Clearing	\$116.61	11/12/2024
250750	Pacific Gas and Electric	\$48,014.76	11/12/2024
250751	Slate 1 (Canadian Solar)	\$258,143.59	11/12/2024
250752	Western Area Power Administration	\$126,434.71	11/12/2024
250753	WAPA O M	\$1,032,600.00	11/12/2024
250754	Pacific Gas and Electric	\$1,805.51	11/12/2024
251629	CAISO Market Clearing	\$646,932.95	11/18/2024
251630	Garlock Energy, LLC	\$1,898.32	11/18/2024
252540	Northern California Power Agency	\$81,215.00	11/25/2024
252541	CAISO Market Clearing	\$17,459.13	11/25/2024
252542	Whitney Point Solar LLC	\$83,370.40	11/25/2024
252543	Astoria 2 Operating	\$98,794.98	11/25/2024
252544	Western Area Power Administration	\$825,257.61	11/25/2024
252545	Trimark Associates, Inc.	\$48,845.39	11/25/2024
252591	GL Renewables, LLC	\$3,134.85	11/25/2024
<b>Total</b>		<b>3,397,440.28</b>	

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

3. Operations Report for January 2025.

**Power and Water Resources Pooling Authority  
January 2025 Meeting  
Operations Manager Report**

**Possible Action**

n/a

**Operations Staff Overview**

1. Jan Plan
  - a) 2025 Budget - Implementation
  - b) WAPA TEA amendment
  - c) District generation projects
2. Dec recap
  - a) 2025 Budget – final
  - b) 2025 RA Import Rights – WAPA TEA option
  - c) District Special Projects - support

**Operations Report:**

1. Pre-Reconciliation
  - a) Actual data for Jan-November, December estimates.

**Table 1: 2024 Cash Flow**

<b>Cashflow Summary: January - December 2024</b>							
Participant	Power Invoice	Power & Ops Costs	P3	Direct Consulting, Prior Period,	Change in Reserve Estimate	Total Costs	Over/(Under) Funded
Arvin-Edison	\$ 10,961,168	\$ 10,354,419	\$ 295,101	\$ (109,323)	\$ 18,228	\$ 10,558,425	\$ 402,743
Banta-Carbona	\$ 1,887,798	\$ 1,639,536	\$ 46,727	\$ (16,450)	\$ 7,754	\$ 1,677,567	\$ 210,232
Byron-Bethany	\$ 417,734	\$ 370,021	\$ 10,546	\$ (18,544)	\$ 4,563	\$ 366,585	\$ 51,148
Cawelo	\$ 1,837,426	\$ 1,624,902	\$ 46,310	\$ (13,374)	\$ (20,370)	\$ 1,637,469	\$ 199,957
Glenn-Colusa	\$ 1,173,374	\$ 1,188,193	\$ 33,863	\$ (64,106)	\$ 6,921	\$ 1,164,871	\$ 8,502
James	\$ 463,977	\$ 432,193	\$ 12,317	\$ (3,281)	\$ 671	\$ 441,901	\$ 22,077
Lower Tule	\$ 1,135,948	\$ 1,010,034	\$ 28,786	\$ (7,907)	\$ (9,282)	\$ 1,021,630	\$ 114,318
Princeton	\$ 558,045	\$ 479,801	\$ 13,674	\$ (1,625)	\$ 5,045	\$ 496,895	\$ 61,150
RD108	\$ 407,255	\$ 379,220	\$ 10,808	\$ (23,099)	\$ (15,418)	\$ 351,511	\$ 55,744
Santa Clara	\$ 2,522,066	\$ 2,486,730	\$ 70,872	\$ (3,969)	\$ (4,253)	\$ 2,549,380	\$ (27,314)
Sonoma	\$ 3,696,764	\$ 3,535,542	\$ 100,763	\$ (32,321)	\$ 5,764	\$ 3,609,748	\$ 87,016
West Stan	\$ 1,452,482	\$ 1,090,491	\$ 31,079	\$ (15,637)	\$ (18,348)	\$ 1,087,585	\$ 364,897
Westlands	\$ 7,958,456	\$ 7,423,270	\$ 211,563	\$ (140,073)	\$ 35,215	\$ 7,529,974	\$ 428,482
Zone 7	\$ 871,178	\$ 762,640	\$ 21,735	\$ (4,869)	\$ (16,491)	\$ 763,015	\$ 108,163
<b>PWRPA</b>	<b>\$ 35,343,671</b>	<b>\$ 32,776,991</b>	<b>\$ 934,144</b>	<b>\$ (454,579)</b>	<b>\$ (0)</b>	<b>\$ 33,256,556</b>	<b>\$ 2,087,115</b>

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

**Power and Water Resources Pooling Authority**  
**January 2025 Meeting**  
**Operations Manager Report**

**Table 2: 2024 Cost of Service**

Cost of Service Summary: January - December 2024					
Participant	Metered Energy (kWh)	Power & Ops Costs	Cap & Trade Revenue	Net Cost of Service	Composite Rate, (cent/kWh)
Arvin-Edison	101,474,894	\$ 10,354,419	\$ (710,033)	\$ 9,644,386	\$ 9.50
Banta-Carbona	17,261,179	\$ 1,639,536	\$ (104,123)	\$ 1,535,413	\$ 8.90
Byron-Bethany	3,128,742	\$ 370,021	\$ (16,052)	\$ 353,968	\$ 11.31
Cawelo	14,311,902	\$ 1,624,902	\$ (83,168)	\$ 1,541,734	\$ 10.77
Glenn-Colusa	12,422,078	\$ 1,188,193	\$ (58,314)	\$ 1,129,878	\$ 9.10
James	2,957,645	\$ 432,193	\$ (19,509)	\$ 412,684	\$ 13.95
Lower Tule	9,176,781	\$ 1,010,034	\$ (55,470)	\$ 954,564	\$ 10.40
Princeton	4,263,001	\$ 479,801	\$ (16,236)	\$ 463,565	\$ 10.87
RD108	2,691,106	\$ 379,220	\$ (20,900)	\$ 358,320	\$ 13.31
Santa Clara	21,010,542	\$ 2,486,730	\$ (133,293)	\$ 2,353,437	\$ 11.20
Sonoma	36,182,270	\$ 3,535,542	\$ (215,438)	\$ 3,320,104	\$ 9.18
West Stan	12,484,615	\$ 1,090,491	\$ (100,354)	\$ 990,137	\$ 7.93
Westlands	49,088,743	\$ 7,423,270	\$ (785,292)	\$ 6,637,978	\$ 13.52
Zone 7	5,447,913	\$ 762,640	\$ (44,542)	\$ 718,098	\$ 13.18
<b>TOTAL</b>	<b>291,901,413</b>	<b>\$ 32,776,991</b>	<b>\$ (2,362,725)</b>	<b>\$ 30,414,266</b>	<b>\$ 10.42</b>

- b) Energy served is 17% below budget for month, down 12% below for the year.
- c) Load averaged 17MW, half of what it was last month
- d) Average schedule deviation of 5MW for an estimated cost of \$1,600.

2. Pricing

- a) Average monthly prices:

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

	Cost	Revenue
BR	\$ 16.61	\$ (27.82)
Displacement	\$ -	\$ -
WWD BOR	\$ -	\$ (44.73)
Whitney Point	\$ 58.75	\$ (16.27)
Astoria	\$ 63.00	\$ (7.64)
Slate	\$ 26.81	\$ (42.11)
*Lodi	\$ 63.00	\$ (54.04)
Market		

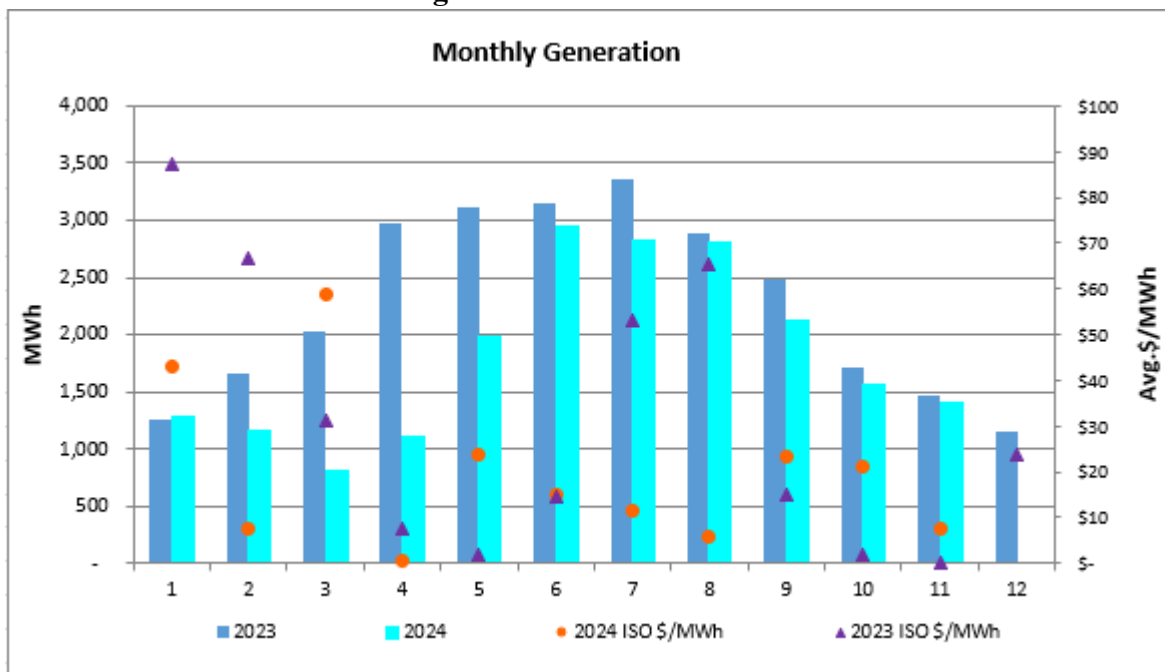
*\*Lodi is energy only (no debt)*

**Power and Water Resources Pooling Authority  
January 2025 Meeting  
Operations Manager Report**

**Generator Reports**

1. Astoria Solar
  - a) Generation
    - 1,401 MWh, 19% capacity factor
  - b) Cost Review
    - \$63 MWh Contract Cost
    - \$72 MWh of attribute value (some revenue data outstanding)
    - Net revenue of \$10/MWh

**Figure 1: Astoria Generation**



- Pricing:

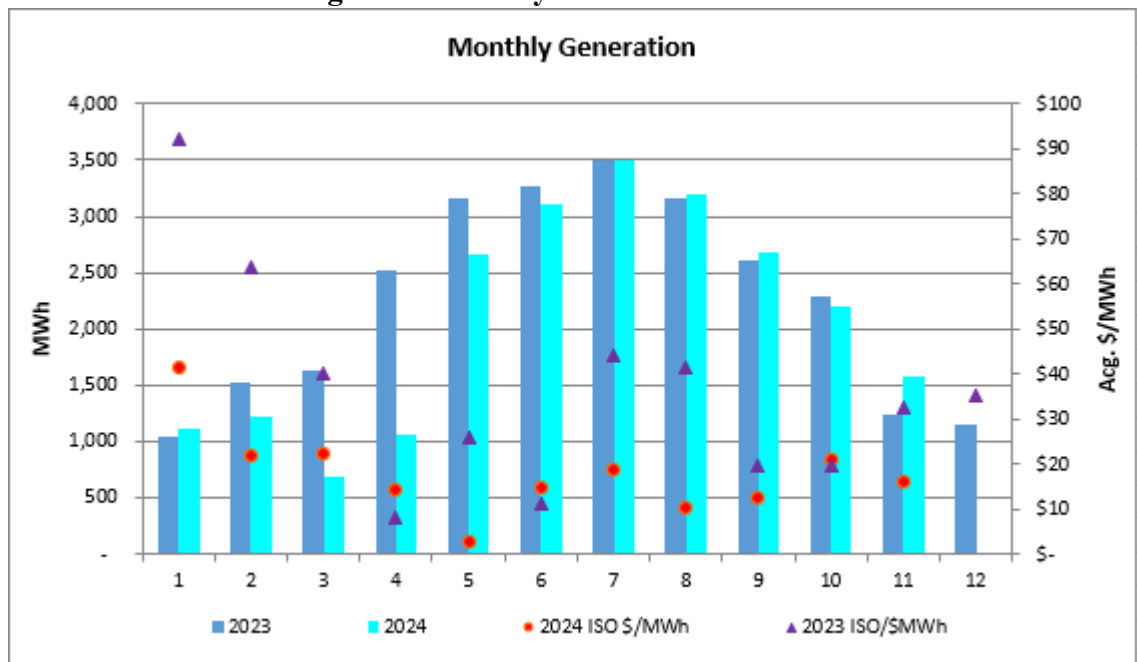
**Table 4: Astoria pricing summary**

November 2024	Volume, MWh/MW	\$	Average Rate (\$/MWh)
ISO Energy Revenue	1,401.3	\$ (10,703)	\$ 7.64
Avoided RPS	1,401.3	\$ (91,085)	\$ 65.00
Avoided RA	0.6	\$ (325)	\$ 0.23
Ancillary Services	-	\$ -	\$ -
<b>Total Value:</b>		<b>\$ (102,113)</b>	<b>\$ 72.87</b>
Generation Cost	1,401.3	\$ 88,282	\$ 63.00
Curtailment Cost/(Credit)	2.0	\$ 127	\$ 63.00
<b>Total Costs</b>		<b>\$ 88,409</b>	<b>\$ 63.09</b>
<b>Net Cost/(Revenue)</b>		<b>\$ (13,704)</b>	<b>\$ (9.78)</b>

**Power and Water Resources Pooling Authority  
January 2025 Meeting  
Operations Manager Report**

- 2. Whitney Point Solar
  - a) Generation
    - 1,581 MWh, 20% capacity factor
  - b) Cost Review
    - \$59 MWh Contract Cost
    - \$81 MWh of attribute value
    - Net credit of \$23/MWh

**Figure 2: Whitney Point Generation**



- Pricing:

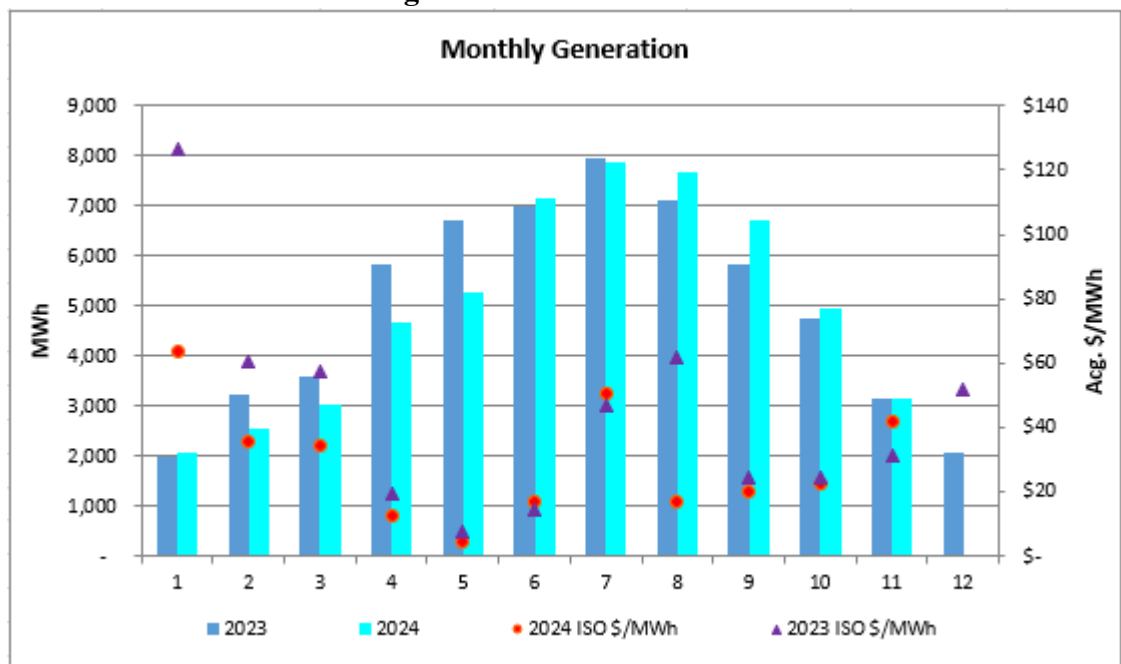
**Table 5: Whitney Point pricing summary**

November 2024	Volume, MWh/MW	\$	Average Rate (\$/MWh)
ISO Energy Revenue	1,581.1	\$ (25,728)	\$ 16.27
Avoided RPS	1,581.1	\$ (102,773)	\$ 65.00
Avoided RA	-	\$ -	\$ -
Ancillary Services	-	\$ -	\$ -
<b>Total Value:</b>		<b>\$ (128,501)</b>	<b>\$ 81.27</b>
Generation Cost	1,581.1	\$ 92,891	\$ 58.75
Curtailment Cost/(Crec	-	\$ -	\$ -
<b>Total Costs</b>		<b>\$ 92,891</b>	<b>\$ 58.75</b>
<b>Net Cost/(Revenue)</b>		<b>\$ (35,610)</b>	<b>\$ (22.52)</b>

**Power and Water Resources Pooling Authority  
January 2025 Meeting  
Operations Manager Report**

- 3. Slate Solar + Battery
  - a) Generation
    - 3,164 MWh, 17% capacity factor
  - b) Cost Review
    - \$48 MWh Contract Cost
    - \$142 MWh of attribute value
    - Net credit of \$94/MWh

**Figure 3: Slate Generation**



- Pricing review:

**Table 6: Slate pricing summary**

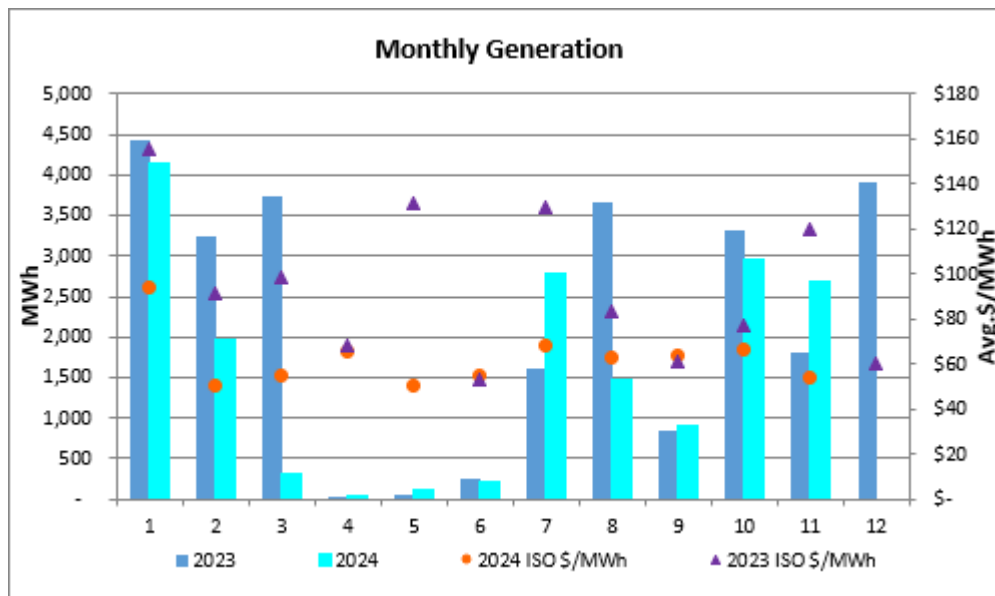
November 2024	Volume, MWh/MW	\$	Average Rate (\$/MWh)
ISO Energy Revenue	3,163.6	\$ (75,522)	\$ 23.87
Avoided RPS	3,163.6	\$ (205,636)	\$ 65.00
Avoided RA	21.1	\$ (168,640)	\$ 53.31
Ancillary Services	-	\$ -	\$ -
<b>Total Value:</b>		<b>\$ (449,798)</b>	<b>\$ 142.18</b>
Generation Cost	3,163.6	\$ 84,814	\$ 26.81
Curtailment Cost/(Credit)	199.5	\$ 5,349	\$ 26.81
Battery Cost, \$6.7 kW-mo	10.0	\$ 61,121	\$ 19.32
<b>Total Costs</b>		<b>\$ 151,285</b>	<b>\$ 47.82</b>
<b>Net Cost/(Revenue)</b>		<b>\$ (298,513)</b>	<b>\$ (94.36)</b>



**Power and Water Resources Pooling Authority  
January 2025 Meeting  
Operations Manager Report**

- 4. Lodi Energy Center
  - a) Generation
    - 2,674 MWh, 46% capacity factor
    - Run time: 23 days for the month, 2 uneconomic
  - b) Cost Review
    - \$63 MWh Contract Cost, \$88 Debt Loaded rate
    - \$84 of attribute value
    - Net cost of \$3/MWh

**Figure 4: LEC Generation**



- c) Staff activity:
  - Small budget approved to start limited hydrogen activities required to secure the \$35Million grant.

**Power Planning & Regulatory**

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

**Power and Water Resources Pooling Authority**  
**January 2025 Meeting**  
**Operations Manager Report**

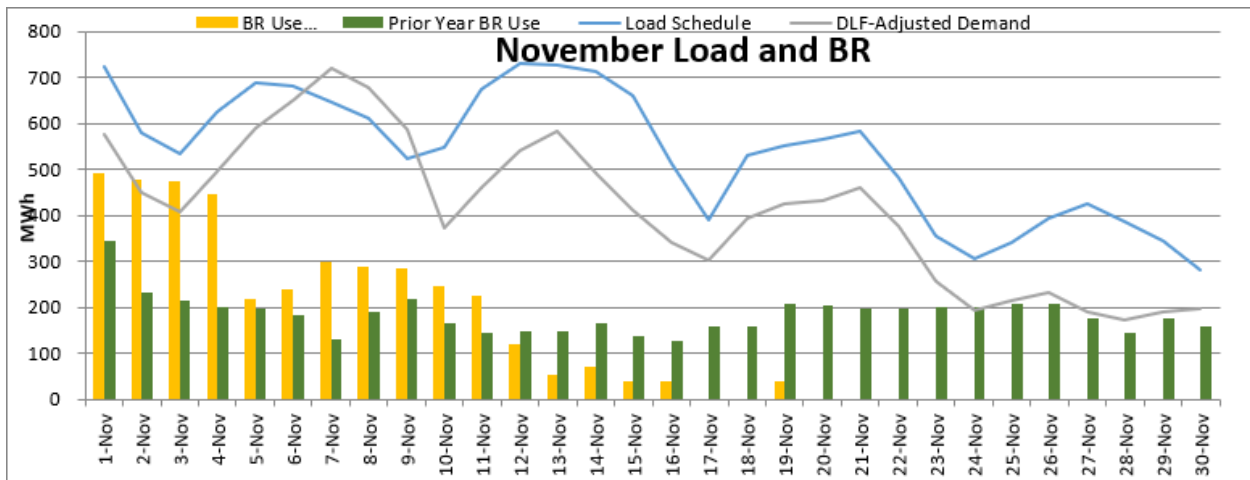
**Table 7: On- and Off-peak Power Net Short**

December 2024 NSP																
ON-PEAK	Demand, MW			Resources, MW			Net Long/(Short), MW			Net (Short)/Long based on RMP				1/0/1900 Forward Mkt	Change from last NSP	
	Wet	Average	Dry	Wet	Average	Dry	Wet	Average	Dry	RMP	Wet	Average	Dry			
	12/1/2024	13.0	14.6	16.2	68.7	13.2	13.2	55.7	(1.4)	(3.0)	50%	62.2	5.9			5.1
1/1/2025	13.7	15.0	17.6	59.6	16.4	16.4	45.8	1.3	(1.2)	50%	52.7	8.8	7.6	\$ 65.64	\$ (5.95)	
2/1/2025	22.9	24.0	27.9	57.0	23.6	20.2	34.0	(0.4)	(7.6)	50%	45.5	11.6	6.3	\$ 54.17	\$ (5.09)	
3/1/2025	25.6	26.8	35.6	56.3	35.4	28.5	30.7	8.6	(7.0)	50%	43.5	22.0	10.7	\$ 36.09	\$ (0.03)	
4/1/2025	38.1	49.0	66.7	56.3	61.8	55.1	18.2	12.8	(11.7)	30%	44.9	47.1	35.1	\$ 31.28	\$ (1.55)	
5/1/2025	51.7	71.9	97.4	60.7	77.2	68.4	9.0	5.3	(29.0)	30%	45.2	55.6	39.2	\$ 23.56	\$ (5.33)	
6/1/2025	60.8	77.4	101.9	60.9	67.6	69.1	0.1	(9.8)	(32.7)	30%	42.6	44.4	38.6	\$ 33.42	\$ (0.80)	
7/1/2025	64.5	78.2	101.1	63.7	73.3	71.8	(0.8)	(4.9)	(29.4)	30%	44.4	49.9	41.5	\$ 55.62	\$ (1.31)	
8/1/2025	52.0	63.1	82.4	60.9	52.9	54.0	9.0	(10.1)	(28.4)	30%	45.4	34.0	29.3	\$ 71.75	\$ 0.18	
9/1/2025	38.0	46.0	62.8	62.6	52.5	45.9	24.6	6.5	(16.9)	30%	51.2	38.7	27.0	\$ 54.38	\$ 0.15	
10/1/2025	33.2	40.6	54.9	61.0	38.5	38.5	27.8	(2.2)	(16.4)	30%	51.1	26.3	22.0	\$ 51.78	\$ 0.48	
11/1/2025	21.3	24.3	27.1	65.8	18.4	18.4	44.5	(5.9)	(8.7)	30%	59.4	11.1	10.3	\$ 59.29	\$ (2.17)	
12/1/2025	13.3	13.4	16.7	83.5	15.2	15.2	70.2	1.7	(1.5)	30%	79.5	11.1	10.2	\$ 84.39	\$ (5.44)	

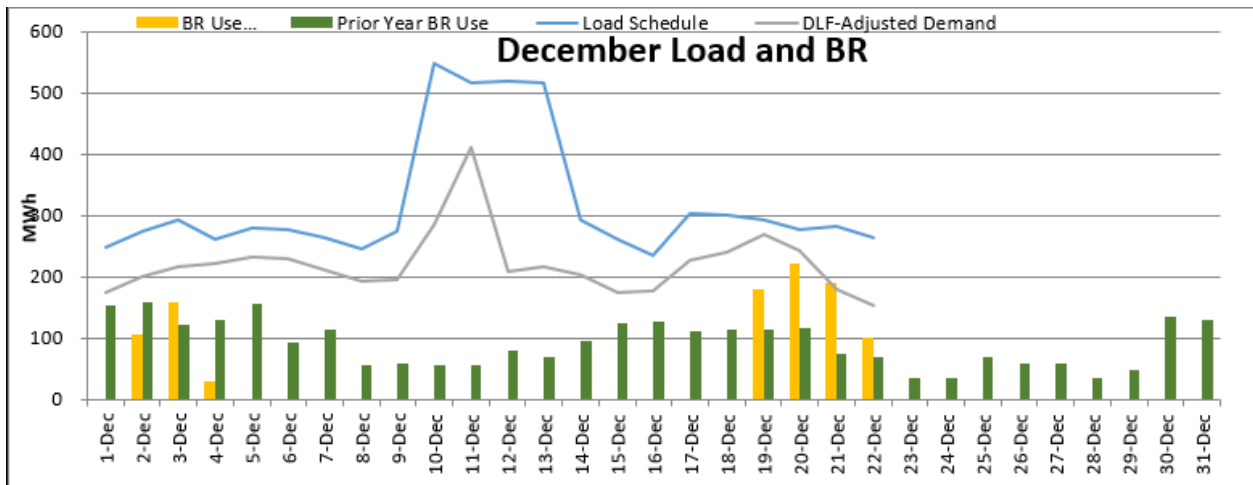
Off Peak																
Off-Peak	Demand, MW			Resources, MW			Net Long/(Short), MW			Net (Short)/Long based on RMP				1/0/1900 Forward Mkt	Change from last NSP	
	Wet	Average	Dry	Wet	Average	Dry	Wet	Average	Dry	RMP	Wet	Average	Dry			
12/1/2024	12.9	14.4	15.9	21.8	3.9	3.9	8.9	(10.5)	(12.0)	50%	15.3	(3.3)	(4.1)	\$ 56.70	\$ (8.94)	
1/1/2025	11.8	12.9	15.0	29.0	4.3	4.3	17.2	(8.6)	(10.7)	50%	23.1	(2.1)	(3.2)	\$ 58.30	\$ (6.74)	
2/1/2025	20.0	21.2	24.9	38.1	8.2	5.1	18.1	(13.1)	(19.8)	50%	28.1	(2.4)	(7.3)	\$ 53.74	\$ (2.95)	
3/1/2025	20.8	22.4	29.7	33.9	15.5	9.4	13.1	(6.9)	(20.3)	50%	23.5	4.3	(5.5)	\$ 45.12	\$ (1.22)	
4/1/2025	27.1	36.3	50.5	31.2	35.8	30.2	4.1	(0.5)	(20.2)	30%	23.1	24.9	15.1	\$ 39.69	\$ (0.75)	
5/1/2025	41.5	57.6	77.9	44.9	63.6	53.6	3.4	6.0	(24.3)	30%	32.4	46.3	30.3	\$ 30.53	\$ (1.32)	
6/1/2025	57.6	73.8	97.3	51.9	62.3	64.7	(5.7)	(11.4)	(32.6)	30%	34.6	40.2	35.5	\$ 37.44	\$ 1.11	
7/1/2025	53.4	64.7	83.7	56.4	70.8	68.5	2.9	6.1	(15.1)	30%	40.3	51.4	43.5	\$ 52.11	\$ (0.15)	
8/1/2025	46.1	55.5	71.9	61.4	47.6	49.5	15.3	(7.9)	(22.4)	30%	47.6	31.0	27.9	\$ 58.08	\$ (0.25)	
9/1/2025	34.8	41.6	55.9	47.2	35.0	27.1	12.4	(6.6)	(28.7)	30%	36.8	22.6	10.4	\$ 54.59	\$ 2.39	
10/1/2025	24.4	29.3	38.8	44.4	22.6	22.6	20.0	(6.7)	(16.2)	30%	37.1	13.8	11.0	\$ 52.61	\$ 1.56	
11/1/2025	16.4	18.4	19.9	39.8	3.4	3.4	23.3	(15.0)	(16.4)	30%	34.8	(2.1)	(2.5)	\$ 61.07	\$ 0.77	
12/1/2025	13.3	13.4	16.5	26.7	4.6	4.6	13.4	(8.7)	(11.8)	30%	22.7	0.6	(0.3)	\$ 77.10	\$ (8.06)	

- 2. Base Resource:
  - a) Covered 27% of load for November and 31% of December

**Figure 5: Monthly BR and Load**



**Power and Water Resources Pooling Authority  
 January 2025 Meeting  
 Operations Manager Report**



- 3. Regulatory Compliance
  - a) Resource Adequacy
    - No updates
  - b) Renewable Portfolio Standard (RPS)
    - No updates