

# 2025 Fourth Quarter Synchronized Reserve Performance

David Kimmel  
Sr. Engineer, Performance Compliance  
Operating Committee  
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2025	Total Number of Events	Number of Events $\geq$ 10 min
Q1	4	1
Q2	4	0
Q3	11	3
October	3	2
November	3	1
December	3	0
Year To Date	28	7



# Synchronized Reserve Response Summation of All Response MW - October

Event	1			2			3		
Date	10/15/25			10/17/25			10/28/25		
Start Time	15:52:13			10:13:02			19:05:31		
End Time	15:57:32			10:24:09			19:20:10		
Duration	00:05:19			00:11:07			00:14:39		
Region	RTO			RTO			RTO		
Resource Type	Gen	DR	Total	Gen	DR	Total	Gen	DR	Total
Assignment (MW)	2,804	0	2,804	1,743	644	2,387	1,708	574	2,282
Estimated Expected Response of Assigned Resources (MW)	1,491	0	1,491	1,743	644	2,387	1,708	574	2,282
Actual Response of Assigned Resources (MW)	1,604	0	1,604	1,297	595	1,893	942	447	1,389
Output Increase of Resources Without Assignment (MW)	1,537	0	1,537	1,578	0	1,578	1,192	0	1,192
Percent Response to Assignment (%)	57%	-	57%	74%	92%	79%	55%	78%	61%
Percent Response to Estimated Expected Response (%)	108%	-	108%	74%	92%	79%	55%	78%	61%
Penalty (MW)	0	0	0	446	49	495	767	126	893



# Synchronized Reserve Response Summation of All Response MW - November

Event	1			2			3		
Date	11/02/25			11/06/25			11/11/25		
Start Time	14:46:33			22:40:08			10:04:48		
End Time	14:52:17			22:44:19			10:15:06		
Duration	00:05:44			00:04:11			00:10:18		
Region	RTO			RTO			RTO		
Resource Type	Gen	DR	Total	Gen	DR	Total	Gen	DR	Total
Assignment (MW)	2,004	593	2,597	1,822	730	2,553	2,051	673	2,724
Estimated Expected Response of Assigned Resources (MW)	1,149	340	1,489	762	306	1,068	2,051	673	2,724
Actual Response of Assigned Resources (MW)	1,150	542	1,692	612	509	1,121	1,644	610	2,254
Output Increase of Resources Without Assignment (MW)	1,800	0	1,800	1,369	0	1,369	2,197	0	2,197
Percent Response to Assignment (%)	57%	91%	65%	34%	70%	44%	80%	91%	83%
Percent Response to Estimated Expected Response (%)	100%	159%	114%	80%	166%	105%	80%	91%	83%
Penalty (MW)	0	0	0	0	0	0	407	63	469



# Synchronized Reserve Response Summation of All Response MW - December

Event	1			2			3		
Date	12/05/25			12/06/25			12/28/25		
Start Time	19:30:47			05:05:29			17:07:09		
End Time	19:35:12			05:13:14			17:16:55		
Duration	00:04:25			00:07:45			00:09:46		
Region	RTO			RTO			RTO		
Resource Type	Gen	DR	Total	Gen	DR	Total	Gen	DR	Total
Assignment (MW)	2,350	373	2,723	2,350	218	2,568	2,012	642	2,654
Estimated Expected Response of Assigned Resources (MW)	1,038	165	1,202	1,822	169	1,990	1,965	627	2,592
Actual Response of Assigned Resources (MW)	1,151	256	1,407	1,850	198	2,048	1,529	573	2,102
Output Increase of Resources Without Assignment (MW)	1,393	0	1,393	1,623	0	1,623	744	0	744
Percent Response to Assignment (%)	49%	69%	52%	79%	91%	80%	76%	89%	79%
Percent Response to Estimated Expected Response (%)	111%	156%	117%	102%	117%	103%	78%	91%	81%
Penalty (MW)	0	0	0	0	0	0	0	0	0



# Synchronized Reserve Response Summation Response MW By Portfolio

Event Date (MM/DD/YY)	Duration (HH:MM:SS)	Gen					DR				
		Assignment (MW)	Response By Total Resource (MW) <sup>1</sup>	Response By Total Resource (%)	Netted Response By Portfolio (MW) <sup>2</sup>	Netted Response By Portfolio (%)	Assignment (MW)	Response By Total Resource (MW) <sup>1</sup>	Response By Total Resource (%)	Netted Response By Portfolio (MW) <sup>2</sup>	Netted Response By Portfolio (%)
10/15/25	00:05:19	2,804	1,604	57%	1,695	60%	0	0	-	0	-
10/17/25	00:11:07	1,743	1,297	74%	1,421	82%	644	595	92%	631	98%
10/28/25	00:14:39	1,708	942	55%	1,208	71%	574	447	78%	543	95%
11/02/25	00:05:44	2,004	1,150	57%	1,176	59%	593	542	91%	593	100%
11/06/25	00:04:11	1,822	612	34%	655	36%	730	509	70%	589	81%
11/11/25	00:10:18	2,051	1,644	80%	1,792	87%	673	610	91%	665	99%
12/05/25	00:04:25	2,350	1,151	49%	1,153	49%	373	256	69%	310	83%
12/06/25	00:07:45	2,350	1,850	79%	1,896	81%	218	198	91%	217	100%
12/28/25	00:09:46	2,012	1,529	76%	1,698	84%	642	573	89%	595	93%

2025	Synchronized Reserve Response						Zone	
	Generation		Response Percent	DSR		Response Percent	RTO	MAD
	Response	Assigned		Response	Assigned			
2025 Q1	4,660	7,870	59%	195	440	44%	4	0
2025 Q2	4,677	7,388	63%	1,086	1,558	70%	3	1
2025 Q3	19,064	30,225	63%	3,988	5,294	75%	10	1
Oct	3,842	6,255	61%	1,043	1,218	86%	3	0
Nov	3,406	5,877	58%	1,661	1,997	83%	3	0
Dec	4,530	6,712	67%	1,027	1,233	83%	3	0
YTD	40,180	64,327	62%	8,999	11,739	77%	26	2



# Ten Minute Or Greater Event Performance

2025	Synchronized Reserve Response						Zone	
	Generation		Response Percent	DSR		Response Percent	RTO	MAD
	Response	Assigned		Response	Assigned			
2025 Q1	1,155	1,827	63%	98	98	100%	1	0
2025 Q2	0	0	100%	0	0	100%	0	0
2025 Q3	6,178	7,915	78%	1,336	1,682	79%	3	0
Oct	2,239	3,451	65%	1,043	1,218	86%	2	0
Nov	1,644	2,051	80%	610	673	91%	1	0
Dec								
YTD	11,215	15,243	74%	3,086	3,670	84%	7	0

# Synchronized Reserve Penalties

2025	Synchronized Reserve Penalties (\$)
Q1	193,247.50
Q2	0.00
Q3	2,149,372.48
October	722,575.61
November	149,464.77
December	0.00
Year To Date	3,214,660.36

SME/Presenter:  
David Kimmel,  
[David.Kimmel@pjm.com](mailto:David.Kimmel@pjm.com)

**2025 Fourth Quarter Synchronized Reserve  
Performance**



**Member Hotline**

(610) 666 – 8980

(866) 400 – 8980

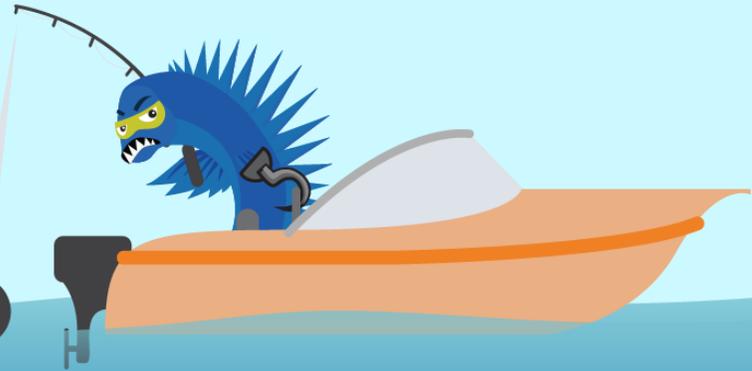
[custsvc@pjm.com](mailto:custsvc@pjm.com)

# Appendix

- 1: “Response by Total Resource (MW)” is the performance based on each resource that has a reserve assignment where the resource performance is capped at 100%.
- 2: “Netted Response by Portfolio (MW)” is the performance based on the organization’s portfolio where performance is netted across all resources that have a reserve assignment for each organization. This allows an over-performing resource to offset an under-performing resource within the same organization. Each organization’s performance is capped at 100%. This reflects the way penalties are administered for DR.

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