

2025 Second Quarter Synchronized Reserve Performance

David Kimmel
Sr. Engineer, Performance Compliance
Operations Committee
September 11, 2025

2025	Total Number of Events	Number of Events ≥ 10 min
Q1	4	1
April	2	0
May	1	0
June	1	0
Year To Date	8	1



Synchronized Reserve Response Summation of All Response MW

Event	1			2		
Date	04/05/25			04/24/25		
Start Time	04:21:05			00:50:09		
End Time	04:29:28			00:57:12		
Duration	00:08:23			00:07:03		
Region	RTO			MAD		
Resource Type	Gen	DR	Total	Gen	DR	Total
Assignment (MW)	1,755	452	2,207	1,085	0	1,085
Estimated Expected Response (MW)	1,472	379	1,850	765	0	765
Response From Units With Assignment (MW)	1,279	339	1,618	657	0	657
Percent Response To Assignment (%)	73%	75%	73%	61%	0%	61%
Percent Response To Estimated Expected Response (%)	87%	89%	87%	86%	0%	86%
Penalty (MW)	0	0	0	0	0	0

Event	1			1		
Date	05/19/25			06/22/25		
Start Time	11:46:24			19:37:06		
End Time	11:53:55			19:44:51		
Duration	00:07:31			00:07:45		
Region	RTO			RTO		
Resource Type	Gen	DR	Total	Gen	DR	Total
Assignment (MW)	2,641	688	3,329	1,907	418	2,325
Estimated Expected Response (MW)	1,985	517	2,502	1,478	324	1,802
Response From Units With Assignment (MW)	1,679	474	2,154	1,062	273	1,335
Percent Response To Assignment (%)	64%	69%	65%	56%	65%	57%
Percent Response To Estimated Expected Response (%)	85%	92%	86%	72%	84%	74%
Penalty (MW)	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) ¹	Response By Total Resource (%)	Netted Response By Portfolio (MW) ²	Netted Response By Portfolio (%)	Assignment (MW)	Response By Total Resource (MW) ¹	Response By Total Resource (%)	Netted Response By Portfolio (MW) ²	Netted Response By Portfolio (%)
04/05/25	00:08:23	1,755	1,279	73%	1,288	73%	452	339	75%	360	80%
04/24/25	00:07:03	1,085	657	61%	671	62%	-	-	-	-	-
05/19/25	00:07:31	2,641	1,679	64%	1,693	64%	688	474	69%	518	75%
06/22/25	00:07:45	1,907	1,062	56%	1,149	60%	418	273	65%	332	79%

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
Apr	1,936	2,840	68%	339	452	75%	1	1
May	1,679	2,641	64%	474	688	69%	1	0
Jun	1,062	1,907	56%	273	418	65%	1	0
YTD	9,337	15,258	61%	1,281	1,997	64%	7	1

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
Apr								
May								
Jun								
YTD	1,155	1,827	63%	98	98	100%	1	0

2025	Synchronized Reserve Penalties (\$)
Q1	193,248
April	0
May	0
June	0
Year To Date	193,248

SME/Presenter:
David Kimmel,
David.Kimmel@pjm.com

2025 Second Quarter Synchronized Reserve Performance



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

**PROTECT THE
POWER GRID
THINK BEFORE
YOU CLICK!**



Be alert to
malicious
phishing emails.



Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@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.