

2024 First Quarter Synchronized Reserve Performance

David Kimmel
Sr. Engineer, Performance Compliance
Operations Committee
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2024	Total Number of Events	Number of Events \geq 10 min
January	3	0
February	1	1
March	0	0
Year To Date	4	1



Synchronized Reserve Response

Event	1			2		
Date	01/13/24			01/25/24		
Start Time	01:59:39			12:39:20		
End Time	02:04:54			12:47:57		
Duration	00:05:15			00:08:37		
Region	RTO			RTO		
Resource Type	Gen	DR	Total	Gen	DR	Total
Assigned (MW)	2456	80	2536	2173	668	2841
Estimated Expected Response (MW)	1289	42	1331	1872	576	2448
Actual Response (MW)	396	65	461	1102	541	1643
Percent Response To Estimated Expected Response(%)	31%	154%	35%	59%	94%	67%
Penalty (MW)	0	0	0	0	0	0

Event	3			1		
Date	01/29/24			02/24/24		
Start Time	12:03:07			15:48:08		
End Time	12:12:01			16:00:27		
Duration	00:08:54			00:12:19		
Region	RTO			MAD		
Resource Type	Gen	DR	Total	Gen	DR	Total
Assigned (MW)	2085	579	2664	1843	100	1943
Estimated Expected Response (MW)	1855	515	2371	1843	100	1943
Actual Response (MW)	1433	507	1940	706	20	726
Percent Response To Estimated Expected Response(%)	77%	98%	82%	38%	20%	37%
Penalty (MW)	0	0	0	1137	81	1218

2024	Synchronized Reserve Response						Zone	
	Generation		Response Percent	DSR		Response Percent	RTO	MAD
	Response	Assigned		Response	Assigned			
Jan	2,931	6,713	44%	1,113	1,328	84%	3	0
Feb	706	1,843	38%	20	100	20%	0	1
Mar								
YTD	3,637	8,556	43%	1,132	1,428	79%	3	1



Ten Minute Or Greater Event Performance

2024	Synchronized Reserve Response						Zone	
	Generation		Response Percent	DSR		Response Percent	RTO	MAD
	Response	Assigned		Response	Assigned			
Jan								
Feb	706	1,843	38%	20	100	100%	0	1
Mar								
YTD	706	1,843	38%	20	100	20%	0	1



Synchronized Reserve Penalties

2024	Synchronized Reserve Penalties (\$)
January	0.00
February	262,251.22
March	0.00
Year To Date	262,251.22

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**2024 First Quarter Synchronized Reserve
Performance**



Member Hotline

(610) 666 – 8980

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