

A decorative graphic consisting of several thin, overlapping, wavy lines in shades of grey and white, positioned at the top of the slide.

2020 Third Quarter Synchronized Reserve Performance

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Operations Committee
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2020	Total Number of Events	Number of Events ≥ 10 min
1st Quarter	7	1
2nd Quarter	2	0
July	3	2
August	0	0
September	1	0
Year To Date	13	3

Synchronized Reserve Response

Event Date	Event Duration (HH:MM:SS)	Tier 1 Estimate (MW)	Tier 1 Response (MW)	Tier 2 Assigned (MW)	Tier 2 Response (MW)
07/06/20	00:10:22	1,464	526	480	415
07/23/20	00:09:54	1,563	853	743	743
07/25/20	00:11:43	868	422	302	265
09/09/20	00:09:30	1,275	454	783	783

*Tier 2 Response is equal to Tier 2 Assigned for events less than ten minutes

2020 MW	Tier 1			Tier 2 Response						Zone	
	Generation Response	Response Percent	DSR Response	Generation		Response Percent	DSR		Response Percent	RTO	MAD
			Non-Tier 1 Estimate	Response	Assigned		Response	Assigned			
2020 Q1	6,314	51%	191	1,596	1,634	98%	324	324	100%	5	2
2020 Q2	1,577	34%	6	587	587	100%	36	36	100%	1	1
Jul	1,801	46%	88	1,183	1,263	94%	240	262	92%	2	1
Aug											
Sep	454	36%	50	553	553	100%	229	229	100%	1	0
YTD	10,145	46%	335	3,919	4,037	97%	830	852	97%	9	4

Ten Minute Or Greater Event Performance

2020 MW	Tier 1			Tier 2 Response						Zone	
	Generation Response	Response Percent	DSR Response	Generation		Response Percent	DSR		Response Percent	RTO	MAD
			Non-Tier 1 Estimate	Response	Assigned		Response	Assigned			
2020 Q1	1,435	65%	0	2	40	4%	0	0	100%	1	0
2020 Q2	0	100%	0	0	0	100%	0	0	100%	0	0
Jul	948	41%	53	602	682	88%	78	100	78%	1	1
Aug											
Sep											
YTD	2,383	52%	53	603	722	84%	78	100	78%	2	1

Tier 1 Credits And Tier 2 Penalties

2020	Tier 1 Credits	Tier 2 Penalties
1st Quarter	\$83,590	\$8,955
2nd Quarter	\$17,214	\$0
July	\$34,989	\$20,204
August		
September	\$11,809	\$0
Year To Date	\$147,602	\$29,159

2021 Synchronized Reserve Penalty Days

- There were 28 Synchronized Reserve Events between November 1, 2018 and October 31, 2020 with an average days between events of 25.46 days.
- The 2021 penalty days effective January 1, 2021 is 25 days.
- The 2020 penalty days was 25 days.

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