

2020 Fourth Quarter Synchronized Reserve Performance

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Operations Committee

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2020	Total Number of Events	Number of Events \geq 10 min
1 st Quarter	7	1
2 nd Quarter	2	0
3 rd Quarter	4	2
October	2	0
November	1	0
December	1	1
Year To Date	17	4

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)
10/10/20	00:07:42	2,134	1,234	329	329
10/12/20	00:09:15	1,626	671	236	236
11/13/20	00:05:52	1,688	882	604	604
12/16/20	00:10:22	268	197	528	413

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

2020	Tier 1 Response			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
2020 Q3	2,254	44%	138	1,736	1,816	96%	470	492	96%	3	1
Oct	1,905	51%	112	271	271	100%	294	294	100%	2	0
Nov	882	52%	90	361	361	100%	243	243	100%	1	0
Dec	197	73%	7	367	475	77%	46	52	88%	0	1
YTD	13,129	47%	544	4,918	5,145	96%	1,413	1,442	98%	12	5

Ten Minute Or Greater Event Performance

2020	Tier 1 Response			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
2020 Q3	948	41%	53	602	682	88%	78	100	78%	1	1
Oct											
Nov											
Dec	197	73%	7	367	475	77%	46	52	88%	0	1
YTD	2,579	54%	60	971	1,197	81%	124	153	81%	2	2

Tier 1 Credits And Tier 2 Penalties

2020	Tier 1 Credits	Tier 2 Penalties
1 st Quarter	\$83,590	\$8,955
2 nd Quarter	\$17,214	\$0
3 rd Quarter	\$46,798	\$20,204
October	\$23,805	\$0
November	\$8,415	\$0
December	\$10,109	\$26,018
Year To Date	\$189,930	\$55,177

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