

# 2017 Second Quarter Synchronized Reserve Performance



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2017	Total Number of Events	Number of Events > 10 min
1 <sup>st</sup> Quarter	9	1
April	1	0
May	1	1
June	2	1
Year to Date	13	3

Event Date	Event Duration (Min)	Tier 1 Estimate (MW)	Tier 1 Response (MW)	Tier 2 Assigned (MW)	Tier 2 Response (MW)
4/8/2017	9	1,223	827	879	879
5/8/2017	10	1,326	976	335	299
6/8/2017	10	974	727	576	522
6/20/2017	9	1,086	760	480	480

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

2017 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			
2017 Q1	5,866	63%	214	5,153	5,218	99%	749	867	86%	8	1
Apr	827	68%	68	751	751	100%	129	129	100%	1	
May	976	74%	64	108	118	92%	191	217	88%	1	
Jun	1,486	72%	66	756	786	96%	247	270	91%	2	
YTD	9,156	66%	411	6,767	6,873	98%	1,315	1,483	89%	12	1

2017 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			
2017 Q1	567	61%	38	411	477	86%	148	266	56%	1	
Apr											
May	976	74%	64	108	118	92%	191	217	88%	1	
Jun	727	75%	52	400	430	93%	123	146	84%	1	
YTD	2,270	70%	154	919	1,025	90%	461	629	73%	3	0

2017	Tier 1 Credits	Tier 2 Penalties
1 <sup>st</sup> Quarter	\$60,986	\$67,257
April	\$17,596	\$0
May	\$22,420	\$15,194
June	\$29,713	\$11,974
Year To Date	\$243,824	\$94,425