



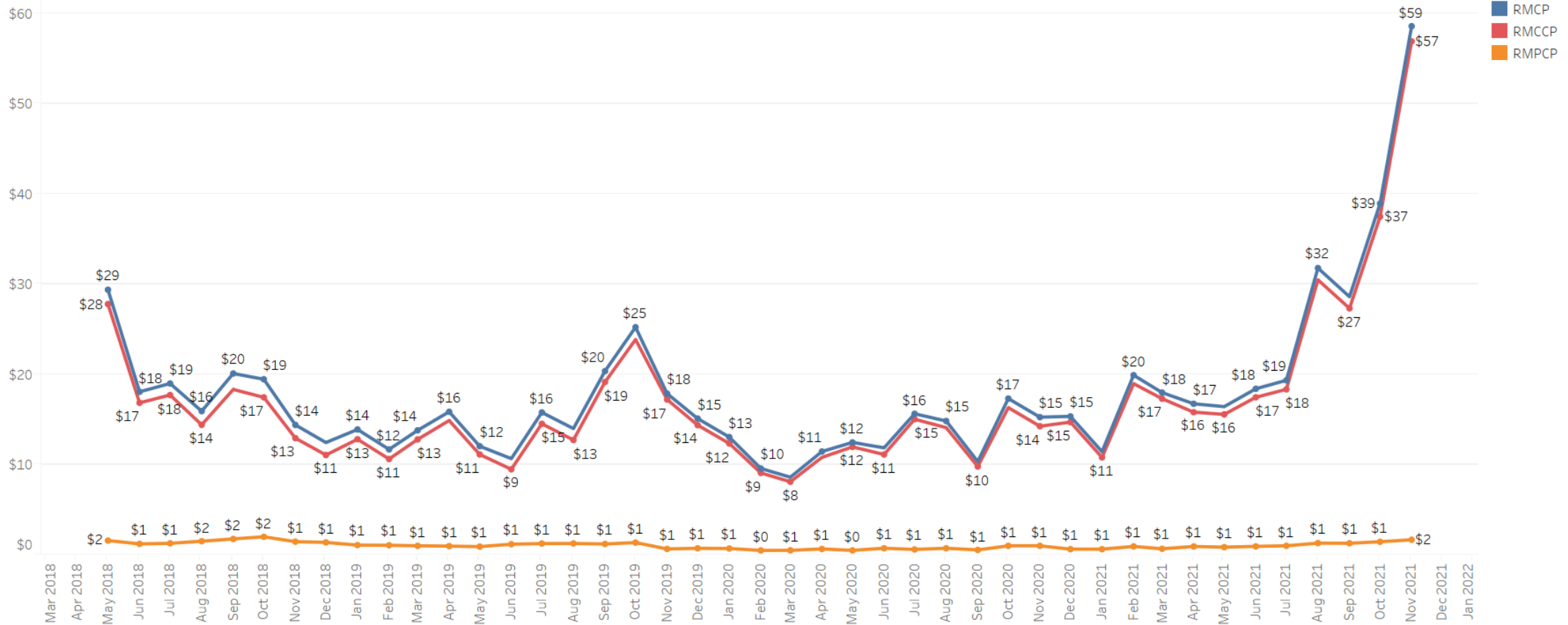
Regulation Update

Ilyana Dropkin
Performance Compliance
Operating Committee
December 2, 2021



Average Regulation Market Clearing Prices Per Month

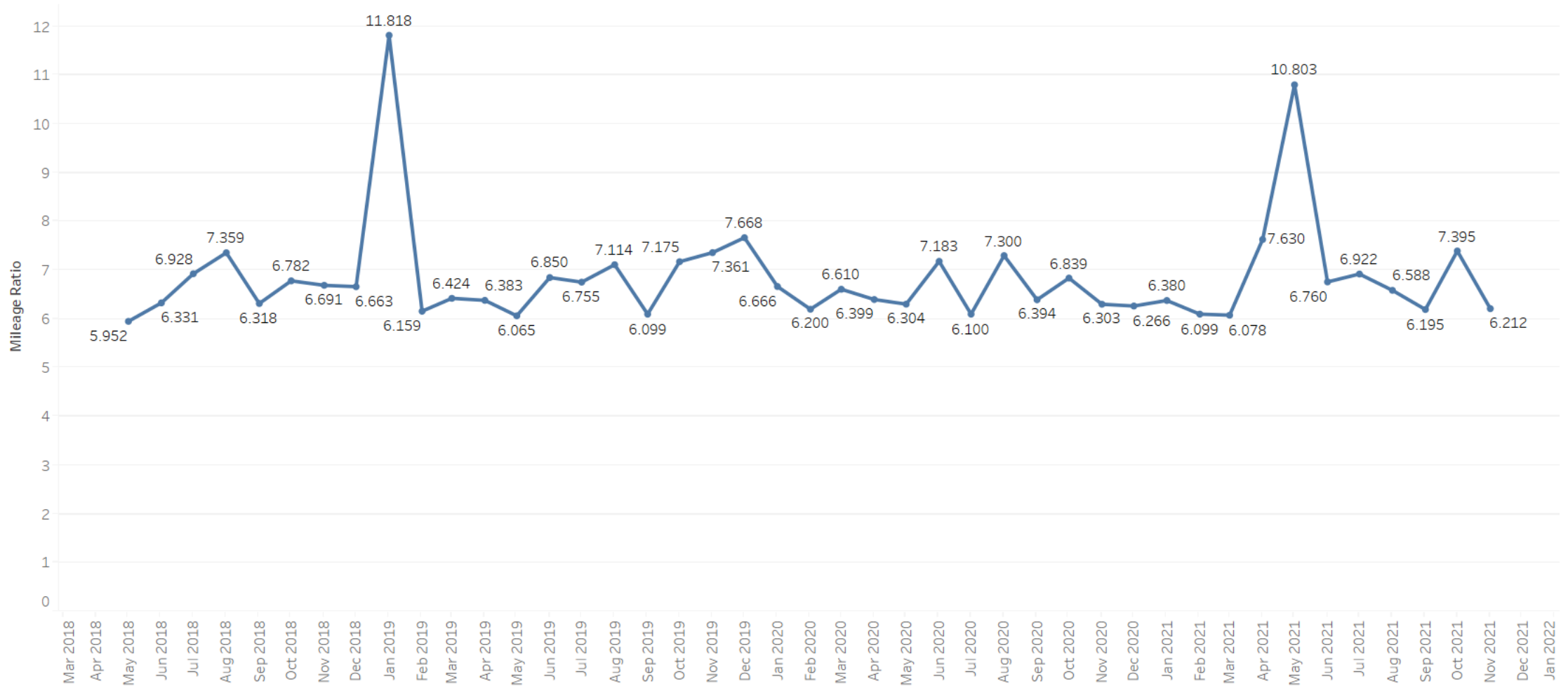
Regulation Market Clearing Prices





Average Mileage Ratio Per Month

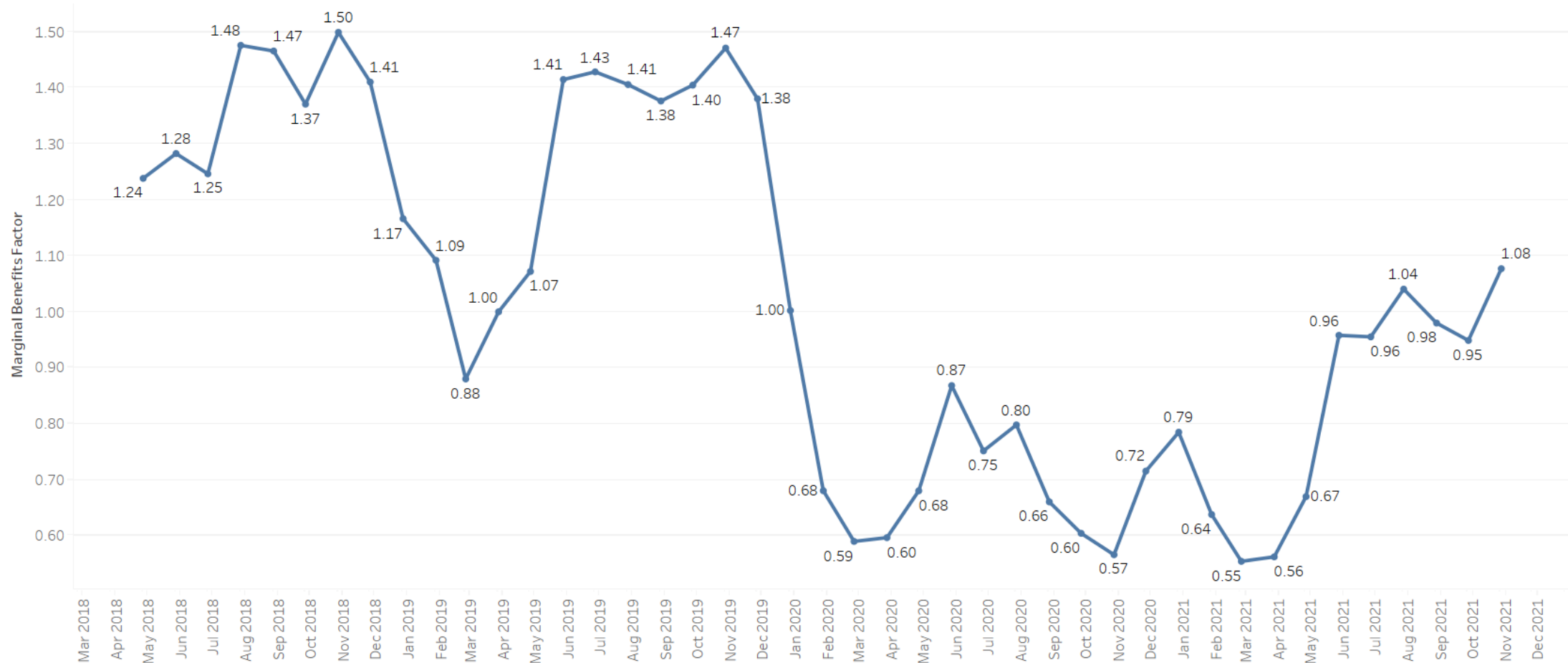
Average Mileage Ratio Per Month





Average Marginal Benefits Factor Per Month

Monthly Average Marginal Benefits Factor



Season	Dates	Off-Ramp	On-Ramp	Effective MW Requirement
Winter	Dec 1 – Feb 29	HE1 – HE4, HE10 – HE16	HE5 – HE9, HE17 – HE24	Non-Ramp = 525MW Ramp = 800MW
Spring	Mar 1 – May 31	HE1 – HE5 HE9 – HE17	HE6 – HE8 HE18- HE24	Non-Ramp = 525MW Ramp = 800MW
Summer	Jun 1 - Aug 31	HE1 – HE5 HE15 – HE18	HE6 – HE14 HE19- HE24	Non-Ramp = 525MW Ramp = 800MW
Fall	Sep 1– Nov 30	HE1 – HE5 HE9 – HE17	HE6 – HE8 HE18- HE24	Non-Ramp = 525MW Ramp = 800MW

MW	Steam	Hydro	CT	DSR
Regulation A				
Avg. Performance Score (1/2019)	79%	88%	85%	83%
Avg. Performance Score (1/2020)	82%	88%	86%	81%
Avg. Performance Score (6/2021)	83%	88%	87%	79%
Avg. Performance Score (8/2021)	82%	89%	87%	78%
Avg. Performance Score (11/2021)	81%	89%	87%	78%
Regulation A Qualified MW (11/21)	5045.5	838	1482.5	5.4

MW	Hydro	CT	Energy Storage	DSR
Regulation D				
Avg. Performance Score (1/2019)	80%	85%	93%	85%
Avg. Performance Score (1/2020)	80%	85%	91%	87%
Avg. Performance Score (6/2021)	80%	85%	90%	85%
Avg. Performance Score (8/2021)	80%	85%	90%	84%
Avg. Performance Score (11/2021)	79%	85%	90%	84%
Regulation D Qualified MW (11/21)	334	110.8	265.5	20.2



How long the signal is automatically pegged

- RegD

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
20-30 min. duration	10	4	3	4	2	4	1	5	1	4	8	9	5	6	2	10	3
>30 min. duration	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0

- RegA

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
20-30 min. duration	101	93	71	80	79	55	80	74	93	104	85	76	89	77	61	86	37
>30 min. duration	67	65	36	57	48	40	32	57	50	64	63	34	42	43	41	51	21

*Data through 11/16/21

Regulation OC Update

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