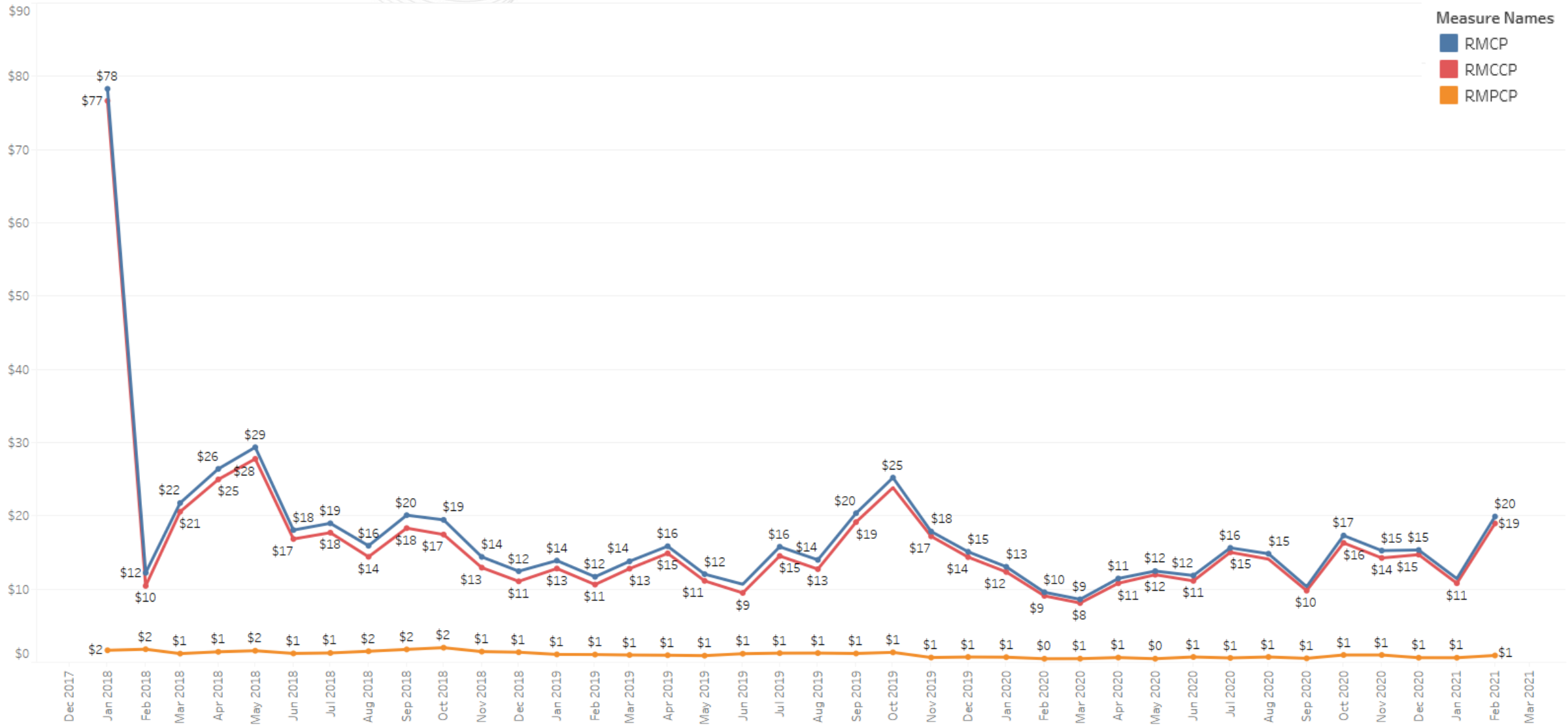


A decorative graphic consisting of several thin, overlapping, wavy lines in a light gray color, positioned at the top of the slide.

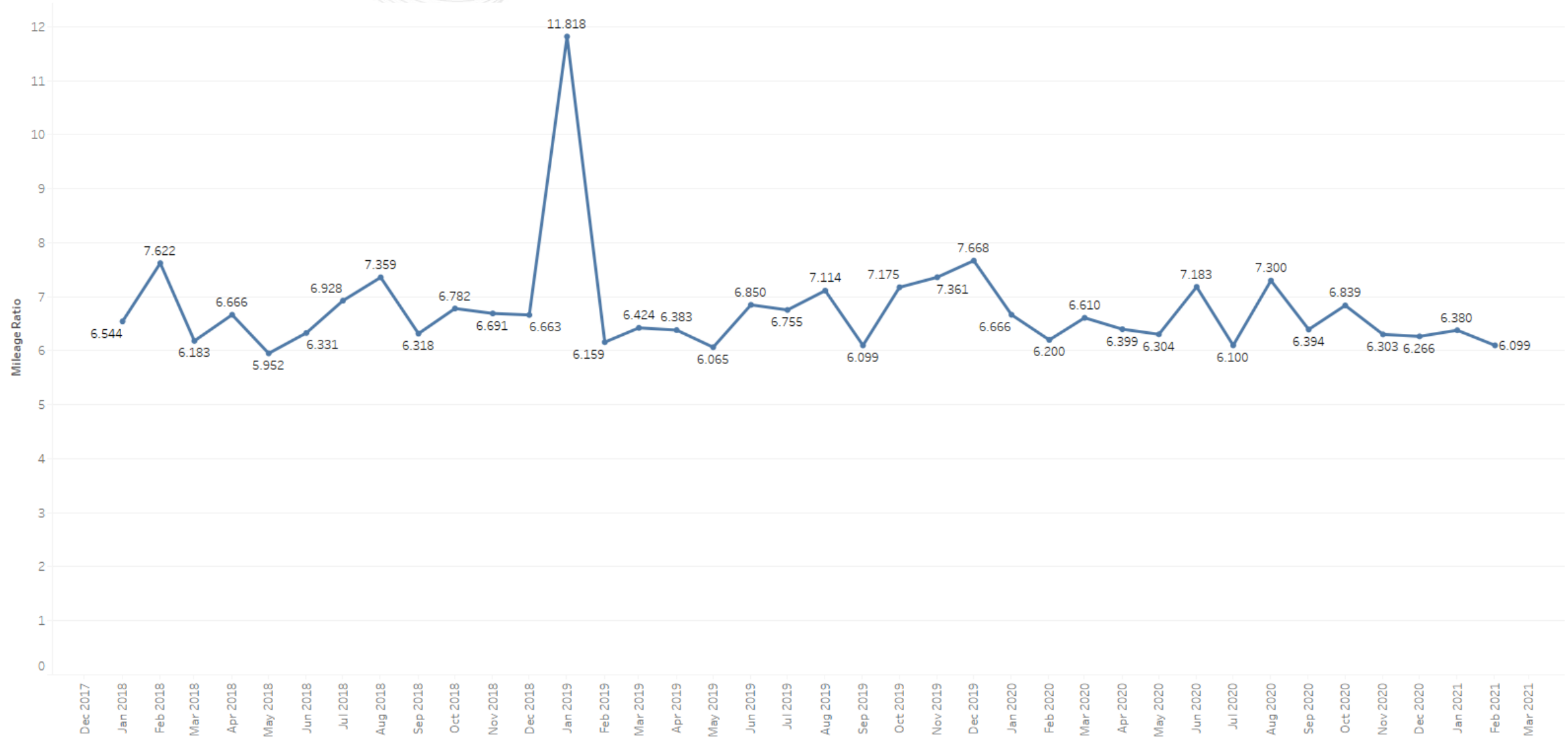
Regulation Update

Gabby Genuario
Performance Compliance
Operating Committee
March 11, 2021

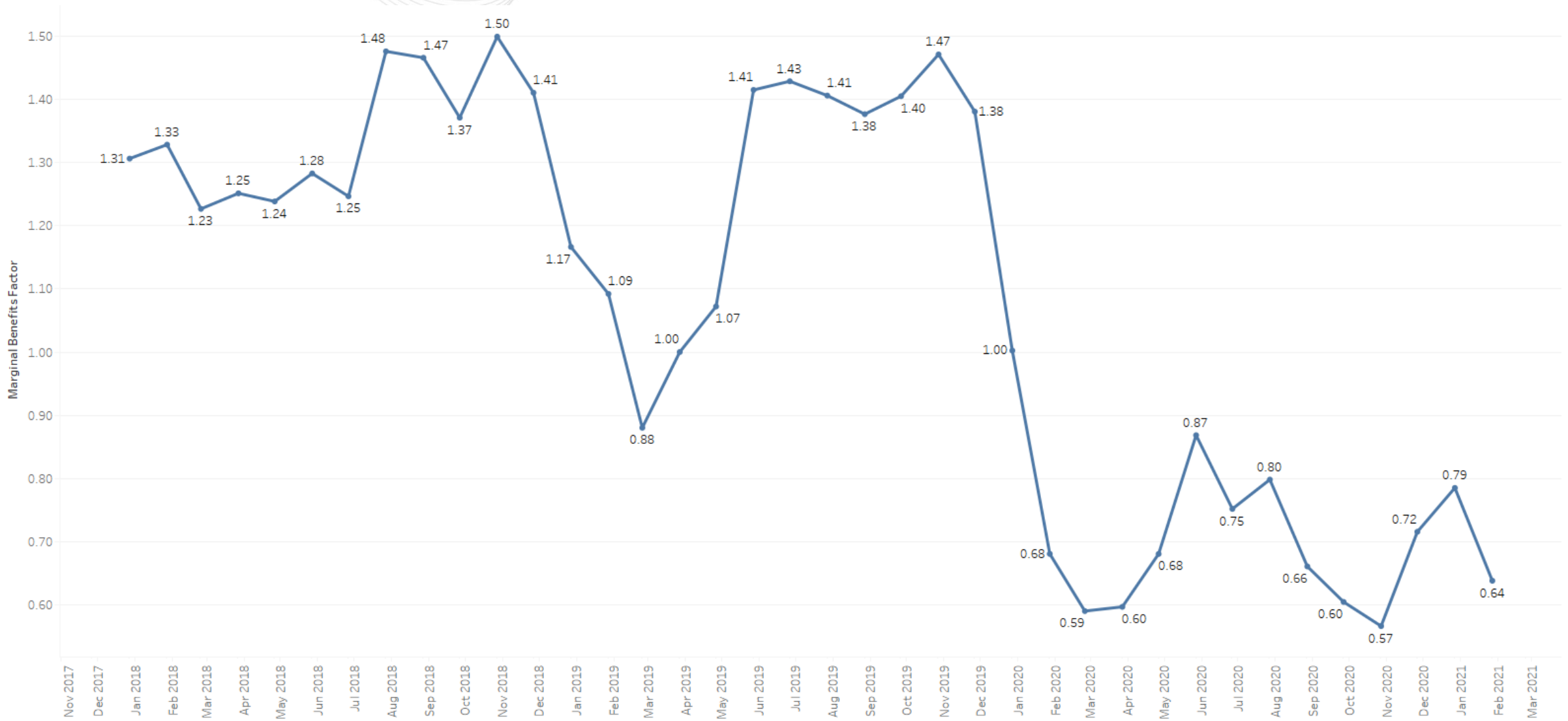
Average Regulation Market Clearing Prices Per Month



Average Mileage Ratio Per Month



Average Marginal Benefits Factor Per Month



Regulation Requirement

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

Regulation A Performance

MW	Steam	Hydro	CT	DSR
Regulation A				
Avg. Performance Score (1/2017)	75%	86%	84%	85%
Avg. Performance Score (1/2018)	78%	87%	84%	84%
Avg. Performance Score (1/2019)	79%	88%	85%	83%
Avg. Performance Score (1/2020)	82%	88%	86%	81%
Avg. Performance Score (3/2021)	82%	88%	86%	81%
Regulation A Qualified MW (3/21)	4854.5	838	1644.4	4

Regulation D Performance

MW	Hydro	CT	Energy Storage	DSR
Regulation D				
Avg. Performance Score (1/2017)	77%	90%	96%	85%
Avg. Performance Score (1/2018)	77%	92%	92%	84%
Avg. Performance Score (1/2019)	80%	85%	93%	85%
Avg. Performance Score (1/2020)	80%	85%	91%	87%
Avg. Performance Score (3/2021)	80%	86%	91%	86%
Regulation D Qualified MW (3/21)	334.0	132.4	255.2	23.7

How long the signal is automatically pegged

- RegD

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

- RegA

	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
20-30 min. duration	40	51	35	44	40	46	44	45	88	66	85	71	101	93	71	80	79	55	80	74
>30 min. duration	17	13	9	19	10	21	12	22	56	35	30	45	67	65	36	57	48	40	32	57

SME/Presenter:
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Regulation OC Update



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