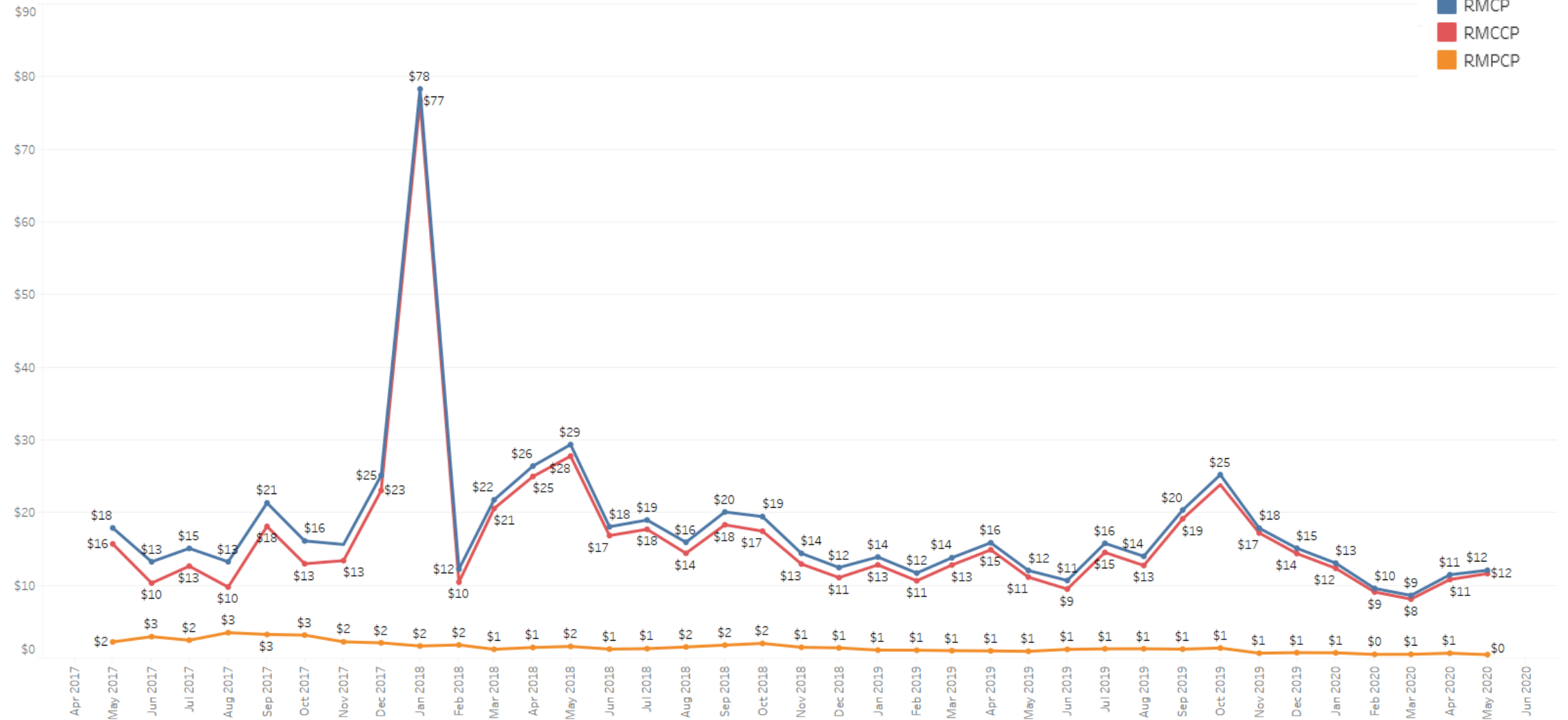


# Regulation Update

Gabby Genuario  
Performance Compliance  
Operating Committee  
May 14, 2020

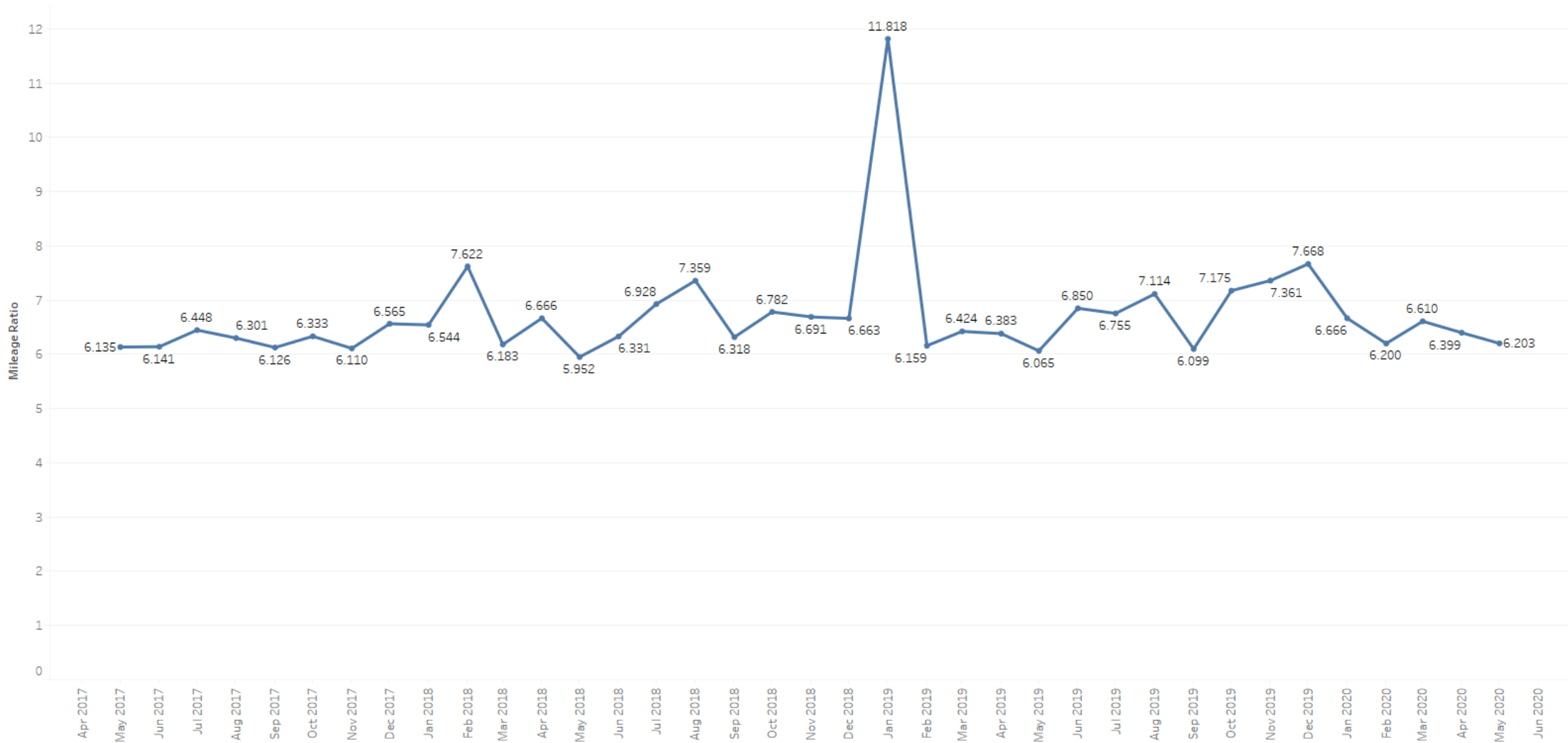
# Average Regulation Market Clearing Prices Per Month

Regulation Market Clearing Prices



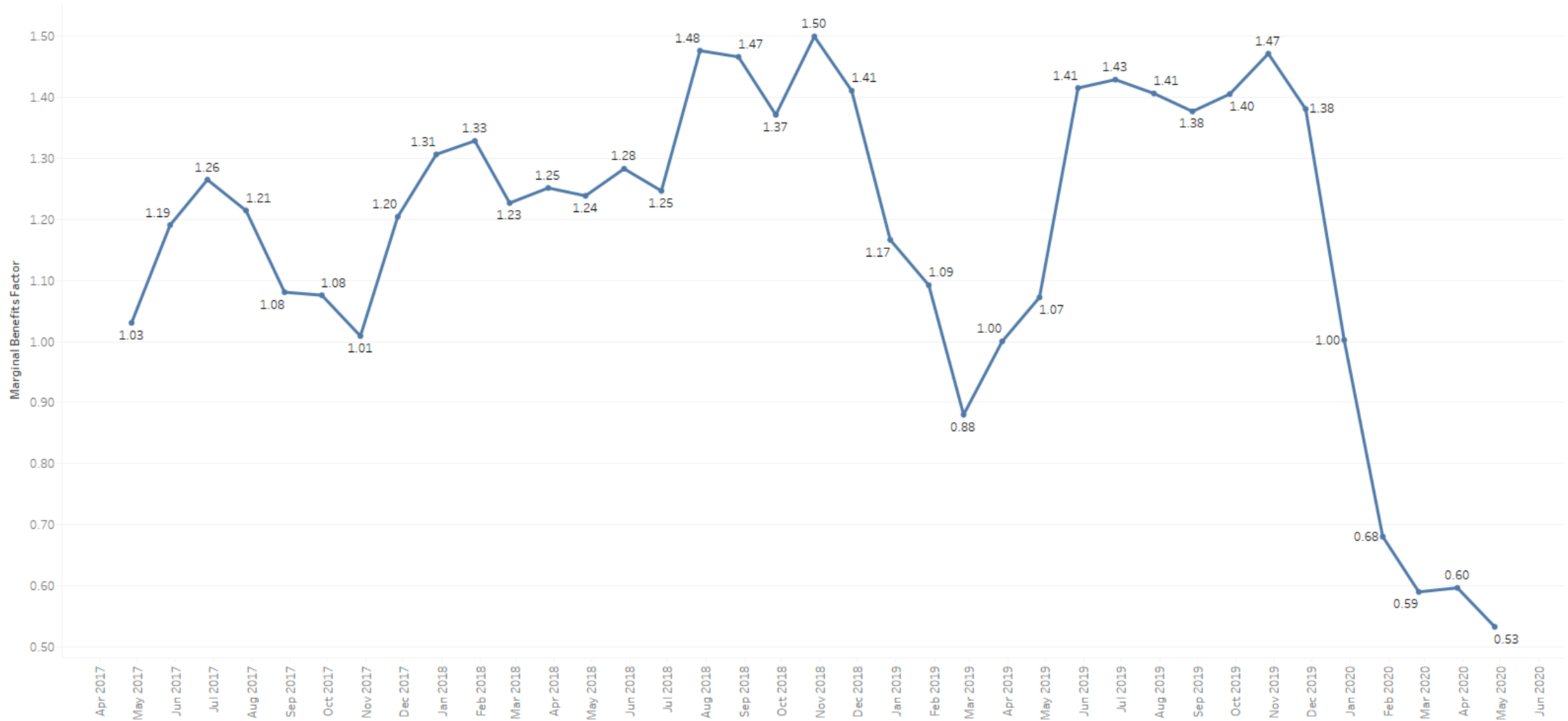
# Average Mileage Ratio Per Month

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,<br>HE10 – HE16       | HE5 – HE9,<br>HE17 – HE24       | Non-Ramp = 525MW<br>Ramp = 800MW         |
| <b>Spring</b> | <b>Mar 1– May 31</b> | <b>HE1 – HE5<br/>HE9 – HE17</b> | <b>HE6 – HE8<br/>HE18- HE24</b> | <b>Non-Ramp = 525MW<br/>Ramp = 800MW</b> |
| Summer        | Jun 1-<br>Aug 31     | HE1 – HE5<br>HE15 – HE18        | HE6 – HE14<br>HE19- HE24        | Non-Ramp = 525MW<br>Ramp = 800MW         |
| Fall          | Sep 1– Nov 30        | HE1 – HE5<br>HE9 – HE17         | HE6 – HE8<br>HE18- HE24         | Non-Ramp = 525MW<br>Ramp = 800MW         |

| MW                                      | Steam  | Hydro | CT     | DSR |
|-----------------------------------------|--------|-------|--------|-----|
| <b>Regulation A</b>                     |        |       |        |     |
| 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 (5/2020)         | 83%    | 88%   | 86%    | 81% |
| <b>Regulation A Qualified MW (2/20)</b> | 4254.5 | 838   | 1617.4 | 4   |

| MW                                      | Hydro | CT    | Energy Storage | DSR  |
|-----------------------------------------|-------|-------|----------------|------|
| <b>Regulation D</b>                     |       |       |                |      |
| 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 (5/2020)         | 80%   | 85%   | 90%            | 84%  |
| <b>Regulation D Qualified MW (2/20)</b> | 334.0 | 132.4 | 301.5          | 20.5 |

# How long the signal is automatically pegged

- RegD

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

- RegA

|                     | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | Apr |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|
| 20-30 min. duration | 55  | 40  | 69  | 63  | 56  | 30  | 40  | 51  | 35   | 44  | 40  | 46  | 44  | 45  | 88  | 66  |
| >30 min. duration   | 13  | 11  | 31  | 31  | 14  | 11  | 17  | 13  | 9    | 19  | 10  | 21  | 12  | 22  | 56  | 35  |

Date up to 5/1/2020