

### Monthly Effective Rates for 25-Year Debenture

|             | Jan. | Feb. | March | April | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|------|------|-------|-------|------|------|------|------|-------|------|------|------|
| <b>2018</b> |      |      |       |       |      |      | 5.32 | 5.35 | 5.29  | 5.26 | 5.37 | 4.99 |
| <b>2019</b> | 4.88 | 4.77 | 4.74  | 4.53  | 4.39 | 4.09 | 4.01 | 3.63 | 3.46  | 3.49 | 3.75 | 3.64 |
| <b>2020</b> | 3.71 | 3.46 | 2.88  | 3.03  | 2.76 | 2.60 | 2.41 | 2.27 | 2.41  | 2.56 | 2.53 | 2.63 |
| <b>2021</b> | 2.70 | 2.76 | 3.05  | 3.07  | 2.94 | 2.89 | 2.82 | 2.87 | 2.98  | 2.91 | 2.92 | 3.03 |

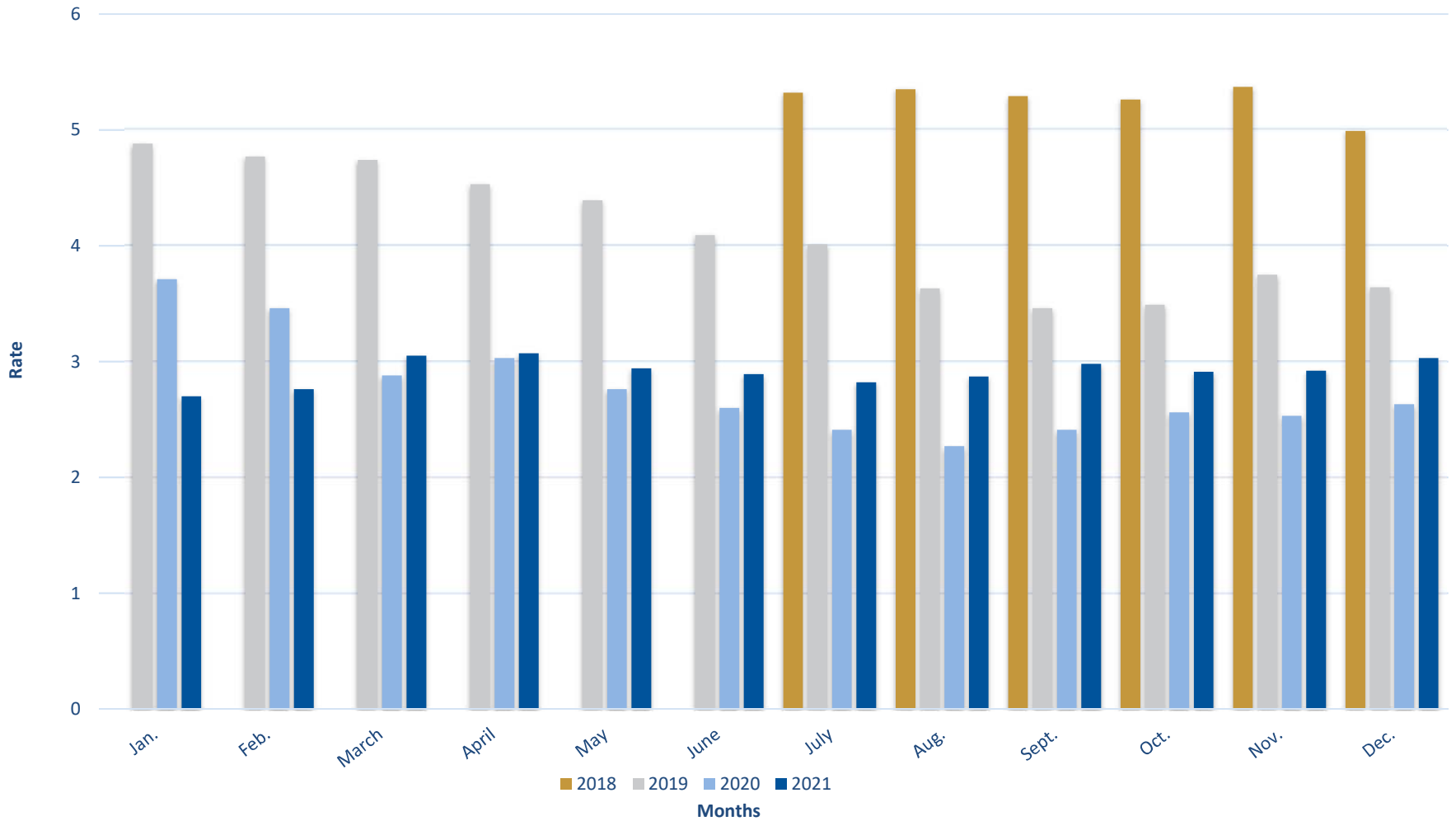
### Monthly Effective Rates for 20-Year Debenture

|             | Jan. | Feb. | March | April | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|------|------|-------|-------|------|------|------|------|-------|------|------|------|
| <b>2017</b> | 4.59 | 4.61 | 4.83  | 4.63  | 4.67 | 4.6  | 4.77 | 4.54 | 4.38  | 4.56 | 4.51 | 4.50 |
| <b>2018</b> | 4.64 | 4.94 | 4.92  | 5.03  | 5.22 | 5.32 | 5.26 | 5.3  | 5.25  | 5.22 | 5.32 | 4.93 |
| <b>2019</b> | 4.76 | 4.65 | 4.59  | 4.37  | 4.27 | 3.98 | 3.91 | 3.53 | 3.39  | 3.42 | 3.69 | 3.58 |
| <b>2020</b> | 3.64 | 3.39 | 2.81  | 2.96  | 2.69 | 2.53 | 2.35 | 2.21 | 2.37  | 2.53 | 2.50 | 2.59 |
| <b>2021</b> | 2.66 | 2.72 | 3.00  | 3.02  | 2.85 | 2.77 | 2.70 | 2.75 | 2.86  | 2.76 | 2.77 | 2.88 |

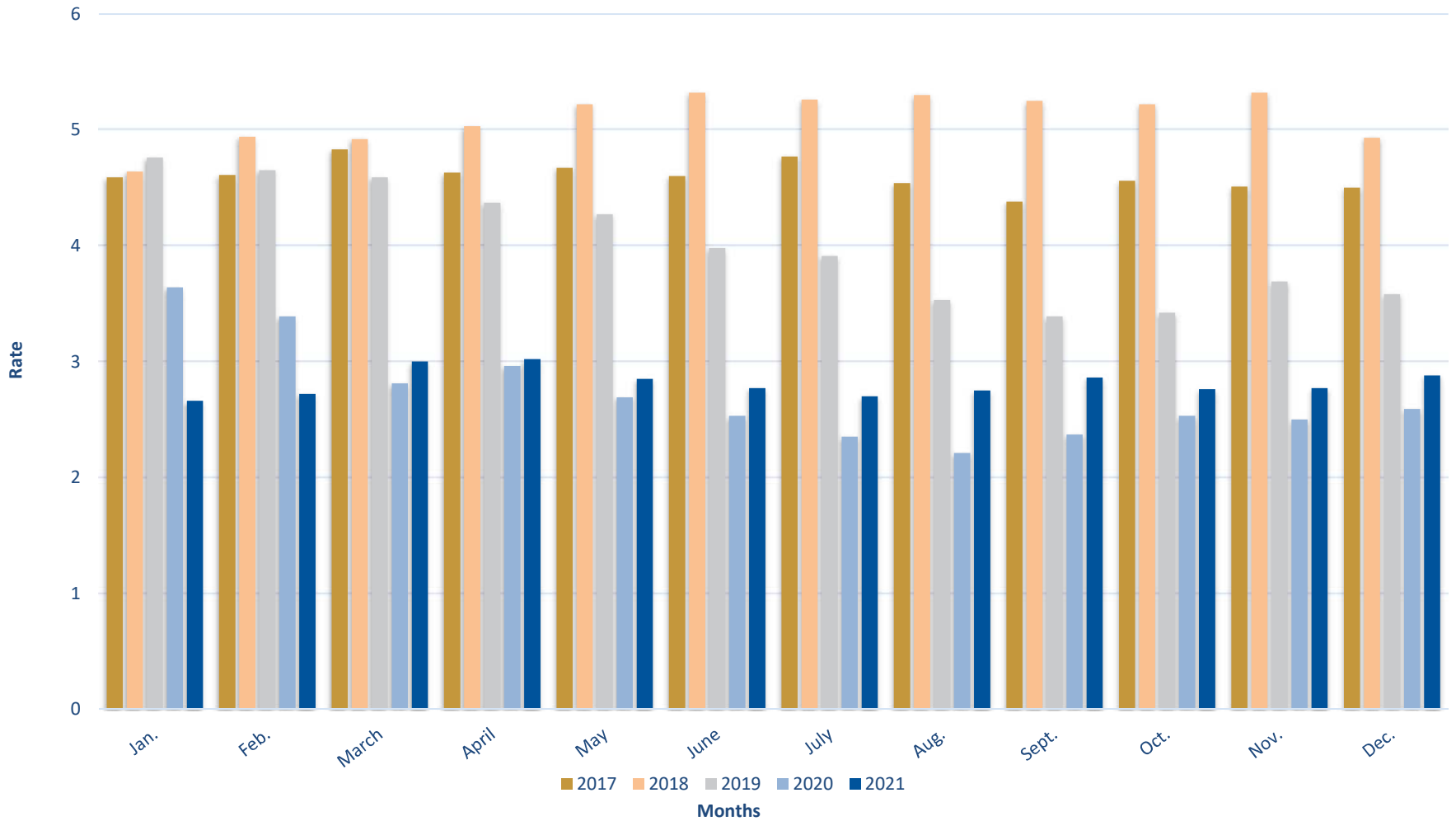
### Monthly Effective Rates for 10-Year Debenture

|             | Jan. | Feb. | March | April | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|------|------|-------|-------|------|------|------|------|-------|------|------|------|
| <b>2017</b> | 4.6  |      | 4.81  |       | 4.51 |      | 4.50 |      | 4.16  |      | 4.47 |      |
| <b>2018</b> | 4.65 |      | 5.1   |       | 5.3  |      | 5.3  |      | 5.25  |      | 5.32 |      |
| <b>2019</b> | 4.79 |      | 4.63  |       | 4.37 |      | 3.94 |      | 3.6   |      | 3.88 |      |
| <b>2020</b> | 3.8  |      | 2.85  |       | 2.65 |      | 2.40 |      | 2.29  |      | 2.36 |      |
| <b>2021</b> | 2.45 |      | 2.70  |       | 2.62 |      | 2.60 |      | 2.69  |      | 2.79 |      |

## Historical Monthly Effective Rates for 25-Year Debenture



## Historical Monthly Effective Rates for 20-Year Debenture



## Bi-Monthly Effective Rates for 10 Year Debenture

