

### 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		

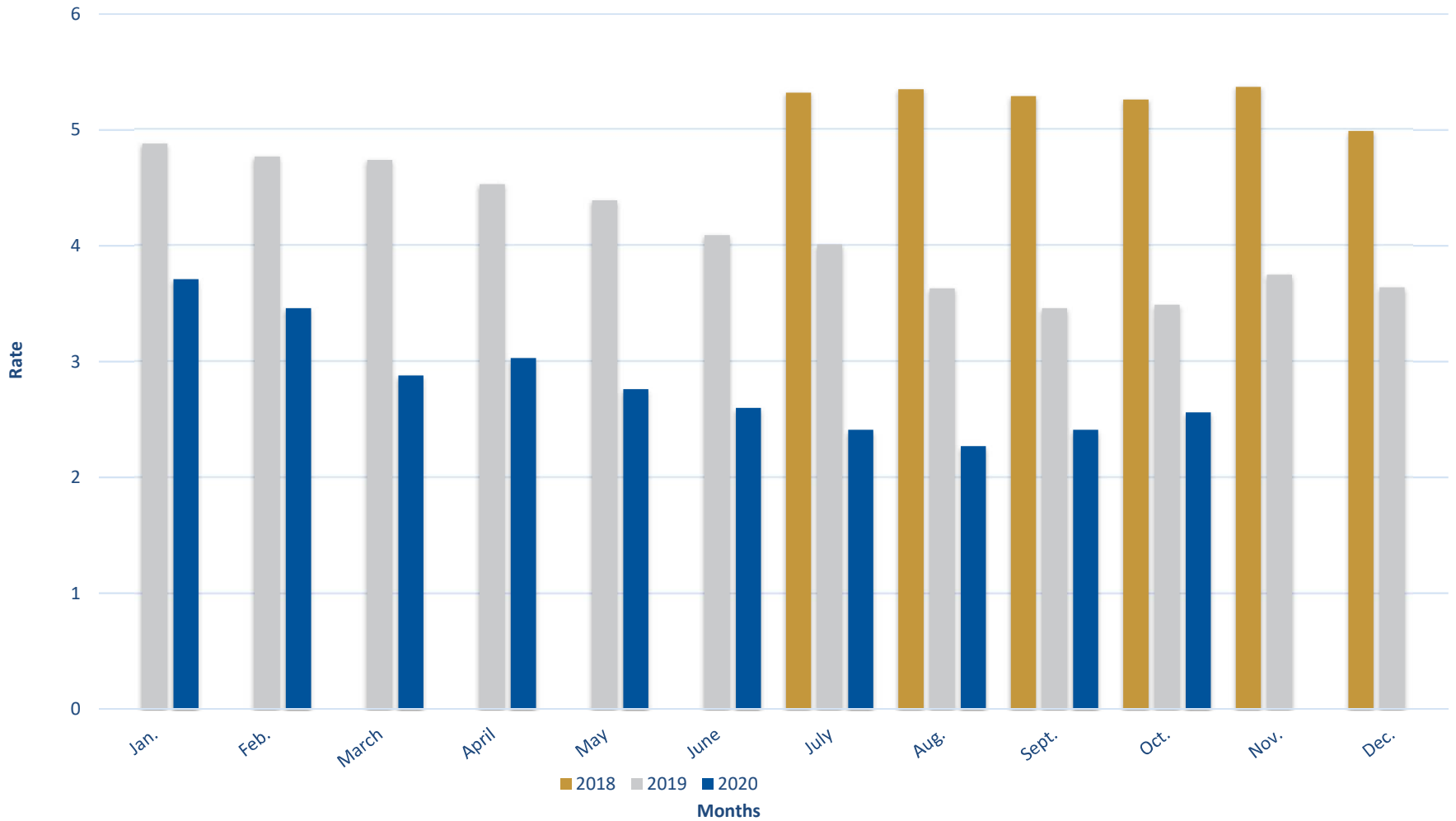
### Monthly Effective Rates for 20-Year Debenture

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2016</b>	4.83	4.32	4.55	4.31	4.32	4.23	4.10	4.09	4.08	4.26	4.36	4.60
<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		

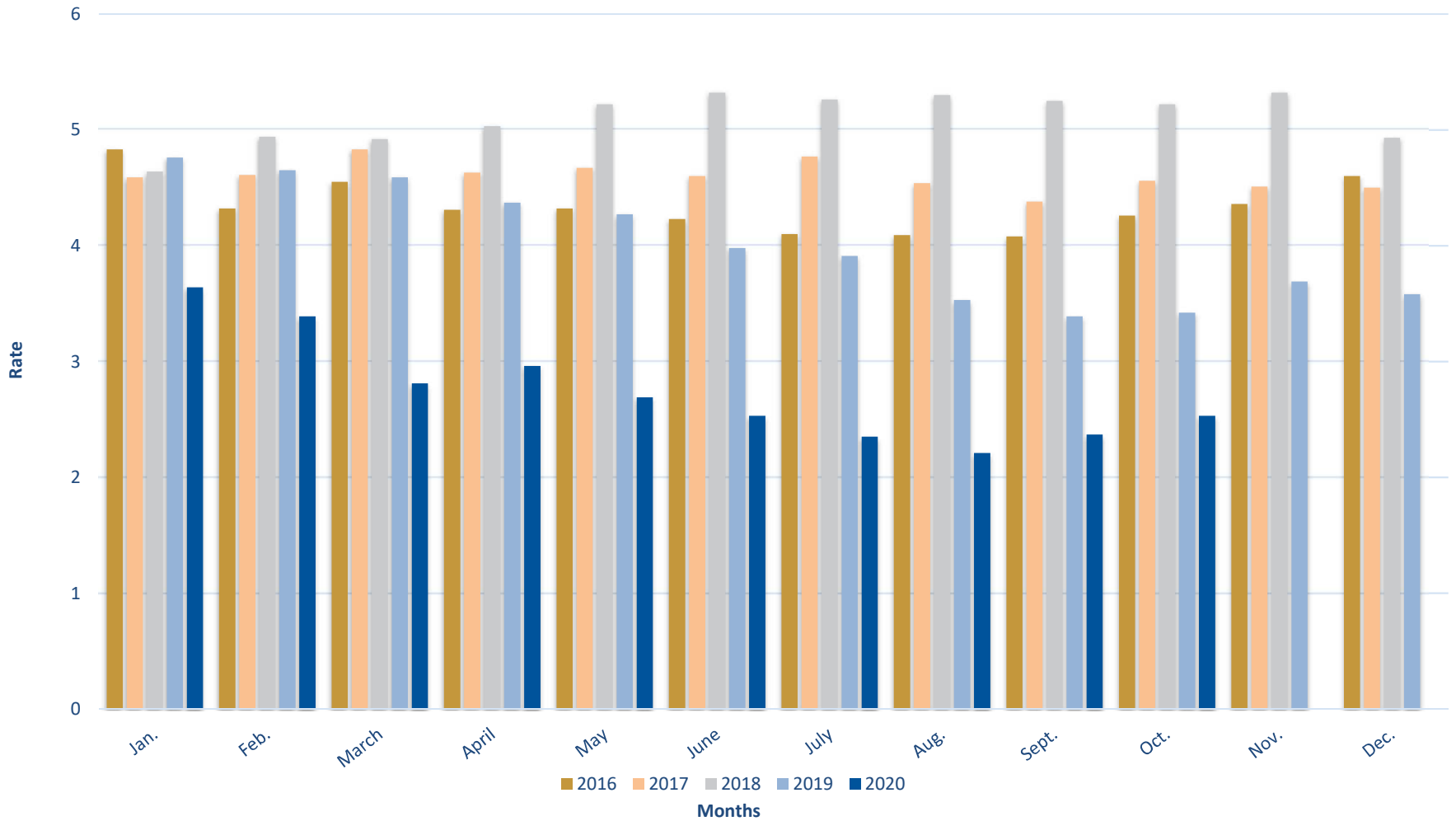
### Monthly Effective Rates for 10-Year Debenture

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2016</b>	4.30		4.33		4.19		4.12		4.29		4.67	
<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			

## Historical Monthly Effective Rates for 25-Year Debenture



## Historical Monthly Effective Rates for 20-Year Debenture



## Bi-Monthly Effective Rates for 10 Year Debenture

