

## July 2019 Funding Rates

### 20 Year Debentures

Debenture Rate: 2.53%  
 Note Rate: 2.57428%

Spread Over Treasury: 0.45%  
 Comparable Treasury Market Rate: 2.08%

		20 Year Effective Rates (%)				
Borrower Fee (%)	CDC Fee (%)	1st 5 years	2nd 5 years	3rd 5 years	4th 5 years	Full Term
0.3680	0.625	3.800	3.845	3.985	4.680	3.914
0.3680	1.000	4.220	4.282	4.469	5.403	4.374
0.3950	0.625	3.830	3.877	4.019	4.732	3.948
0.3950	1.000	4.250	4.313	4.503	5.455	4.407
0.6420	0.625	4.107	4.164	4.338	5.208	4.251
0.6420	1.000	4.527	4.600	4.822	5.930	4.710
0.6970	0.625	4.168	4.228	4.409	5.314	4.318
0.6970	1.000	4.589	4.664	4.893	6.036	4.778
0.9140	0.625	4.412	4.480	4.689	5.732	4.584
0.9140	1.000	4.832	4.917	5.173	6.454	5.044
0.9375	0.625	4.438	4.508	4.720	5.777	4.613

### 10 Year Debentures

Debenture Rate: 2.24%  
 Note Rate: 2.32656%

Spread Over Treasury: 0.40%  
 Comparable Treasury Market Rate: 1.84%

		10 Year Effective Rates (%)		
Borrower Fee (%)	CDC Fee (%)	1st 5 years	2nd 5 years	Full Term
0.3680	0.625	3.758	4.437	3.937
0.3680	1.000	4.250	5.161	4.490
0.3950	0.625	3.794	4.489	3.977
0.6420	0.625	4.117	4.966	4.341
0.6420	1.000	4.609	5.689	4.894
0.6970	0.625	4.189	5.072	4.422
0.6970	1.000	4.681	5.796	4.975
0.9140	0.625	4.474	5.491	4.742
0.9140	1.000	4.965	6.214	5.295

### 25 Year Debentures

Debenture Rate: 2.69%  
 Note Rate: 2.72547%

Spread Over Treasury: 0.61%  
 Comparable Treasury Market Rate: 2.08%

		25 Year Effective Rates (%)					
Borrower Fee (%)	CDC Fee (%)	1st 5 years	2nd 5 years	3rd 5 years	4th 5 years	5th 5 years	Full Term
0.3680	0.625	3.916	3.935	3.995	4.134	4.829	4.011
0.3680	1.000	4.324	4.351	4.430	4.617	5.550	4.452
0.3950	0.625	3.945	3.965	4.026	4.168	4.881	4.043
0.3950	1.000	4.354	4.381	4.461	4.652	5.602	4.484
0.6420	0.625	4.214	4.239	4.313	4.487	5.356	4.333
0.6420	1.000	4.623	4.654	4.748	4.970	6.077	4.775
0.6820	0.625	4.258	4.283	4.359	4.538	5.433	4.381