

January 2020 Interest Rates																										
Issue Date	Amount of Debentures (\$)	Maturity Date	Debt Service Rate (%)	Note Rate (%)	Comparable Treasury Rate (%)	Spread Over Treasury Rate (%)	CDC Fee	0.625	1.000	0.625	1.000	0.625	1.000	0.625	1.000	0.625	1.000	0.625	1.000	0.625	1.000	0.625	1.000	0.625	1.000	
																										0.9375
10-Year Debentures																										
Jan 18	12,628	2.55	2.64766	2.33	0.22	5.091	5.643	5.057	5.608	4.738	5.289	4.657	5.208	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mar 18	15,380	3.00	3.11270	2.63	0.37	N/A	N/A	5.510	N/A	5.192	5.741	5.112	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
May 18	22,720	3.18	3.29883	2.81	0.37	5.730	6.278	5.695	6.244	5.378	5.927	5.298	5.847	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
July 18	9,642	3.19	3.30867	2.73	0.46	5.732	N/A	5.698	6.245	5.382	5.929	5.302	5.848	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sept 18	14,550	3.14	3.25713	2.76	0.38	N/A	6.230	5.649	6.196	5.332	5.879	5.252	5.799	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nov 18	7,101	3.47	3.59817	3.07	0.40	N/A	N/A	5.687	N/A	5.670	N/A	5.590	6.137	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jan 19	11,713	2.95	3.06111	2.54	0.41	5.496	N/A	N/A	N/A	5.144	5.693	5.064	5.613	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mar 19	11,198	2.92	3.02985	2.45	0.47	N/A	N/A	N/A	N/A	4.848	5.398	4.767	5.317	4.365	4.915	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
May 19	10,911	2.66	2.76116	2.22	0.44	N/A	N/A	5.166	N/A	4.848	5.398	4.767	5.317	4.365	4.915	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.955	N/A	N/A
July 19	11,268	2.24	2.32656	1.84	0.40	N/A	N/A	4.742	5.295	4.422	4.975	4.341	4.894	3.937	4.490	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sept 19	15,751	1.88	1.95324	1.45	0.43	N/A	N/A	N/A	4.048	4.600	3.967	4.519	3.563	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.677	N/A	N/A
Nov 19	9,452	2.24	2.32630	1.71	0.53	N/A	N/A	N/A	N/A	4.436	4.888	3.933	4.485	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jan 20	10,182	2.18	2.26433	1.68	0.50	N/A	N/A	N/A	4.359	N/A	4.278	4.830	3.874	4.426	3.804	4.356	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.914	4.466	N/A
Mar 20	11,504	1.25	1.29979	0.68	0.57	N/A	N/A	3.726	N/A	N/A	3.324	3.879	2.918	N/A	2.847	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.958	N/A	N/A
May 20	17,195	1.06	1.10255	0.35	0.71	N/A	N/A	N/A	3.213	N/A	2.878	3.437	2.725	3.282	2.654	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
July 20	18,005	0.81	0.84288	0.29	0.52	N/A	N/A	N/A	N/A	2.878	3.437	2.470	3.029	2.400	2.958	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.402	N/A
Sept 20	39,162	0.70	0.72851	0.29	0.41	N/A	N/A	3.173	N/A	2.849	N/A	2.767	3.326	2.358	2.918	2.288	2.847	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.290	N/A
Nov 20	10,998	0.65	0.67647	0.33	0.32	N/A	N/A	N/A	N/A	2.709	3.267	2.302	2.859	2.231	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.233	2.791
Jan 21	4,135	0.67	0.69727	0.46	0.21	N/A	N/A	N/A	N/A	2.733	N/A	2.325	2.883	2.254	N/A	2.450	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.256	N/A
20-Year Debentures																										
Jan 18	265,812	2.92	2.96978	2.56	0.36	5.002	5.461	4.974	5.432	4.708	5.167	4.641	5.100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Feb 18	324,595	3.22	3.27350	2.87	0.35	5.300	5.757	5.272	5.729	5.007	5.464	4.940	5.397	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mar 18	282,611	3.20	3.25328	2.85	0.35	5.281	5.738	5.252	5.709	4.987	5.445	4.920	5.378	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
April 18	329,867	3.31	3.36454	2.82	0.49	5.389	5.845	5.360	5.817	5.096	5.552	5.029	5.486	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
May 18	375,113	3.50	3.55703	2.96	0.54	5.582	6.038	5.553	6.010	5.289	5.745	5.222	5.678	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
June 18	307,029	3.60	3.65812	2.97	0.63	5.680	6.136	5.651	6.107	5.387	5.843	5.320	5.776	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
July 18	263,122	3.54	3.59736	2.83	0.71	5.618	6.074	5.590	6.046	5.326	5.782	5.259	5.715	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aug 18	344,334	3.58	3.63801	2.94	0.64	5.661	N/A	5.632	6.089	5.368	5.824	5.301	5.758	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sept 18	278,852	3.53	3.58727	2.89	0.64	5.609	6.065	5.580	6.037	5.317	5.773	5.250	5.706	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oct 18	259,791	3.77	3.83031	3.18	0.59	5.852	6.308	5.823	6.279	5.559	6.015	5.492	5.948	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nov 18	248,506	3.87	3.93129	3.22	0.65	5.950	6.405	5.921	6.376	5.658	6.113	5.591	6.046	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dec 18	244,169	3.54	3.59738	2.84	0.70	5.619	N/A	5.590	6.046	5.327	5.783	5.260	5.716	4.926	5.382	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jan 19	231,767	3.37	3.42549	2.71	0.66	5.452	5.909	5.423	5.894	5.159	5.616	5.092	5.549	4.758	5.215	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.791	N/A
Feb 19	129,980	3.26	3.31400	2.67	0.59	5.340	5.797	5.311	5.768	5.040	5.480	4.967	5.413	4.103	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mar 19	177,872	3.20	3.25325	2.65	0.55	5.280	5.737	5.251	N/A	4.987	5.444	4.920	5.377	4.586	5.043	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
April 19	199,341	2.98	3.03050	2.49	0.49	5.063	N/A	5.034	5.492	4.769	5.227	4.701	5.167	4.367	4.825	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
May 19	196,908	2.88	2.92913	2.43	0.45	4.962	5.420	4.933	5.391	4.668	5.126	4.600	5.059	4.265	4.724	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.649	N/A
June 19	166,575	2.60	2.64515	2.10	0.50	4.680	5.139	4.651	5.110	4.385	4.844	4.318	4.777	3.983	4.442	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.367	N/A
July 19	170,991	2.53	2.57428	2.08	0.45	4.613	N/A	4.584	5.044	4.318	4.778	4.251	4.710	3.914	4.374	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.948	4.407
Aug 19	143,948	2.15	2.18861	1.76	0.39	4.231	N/A	4.202	4.663	3.956	4.396	3.868	4.329	3.531	3.992	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.565	4.025
Sept 19	166,223	1.98	2.01594	1.58	0.40	4.059	N/A	4.030	4.491	3.764	4.224	3.696	4.157	3.359	3.820	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.392	N/A
Oct 19	175,585	2.08	2.11756	1.64	0.44	4.162	N/A	4.133	4.594	3.866	4.328	3.799	4.260	3.462	3.923	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.495	N/A
Nov 19	170,895	2.36	2.40171	1.90	0.46	4.440	N/A	4.412	4.872	4.146	4.605	4.078	4.538	3.742	4.202	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.775	N/A
Dec 19	146,641	2.26	2.30019	1.81	0.45	4.339	N/A	4.310	N/A	4.044	4.504	3.977	4.437	3.641	4.101	3.582	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.674	3.584
Jan 20	113,379	2.32	2.36123	1.89	0.43	4.402	N/A	4.373	N/A	4.106	4.567	4.039	4.499	3.703	4.163	3.644	4.105	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.646
Feb 20	87,102	2.07	2.10736	1.66	0.41	N/A	N/A	4.121	N/A	3.854	4.315	3.787	4.247	3.450	3.911	3.392	3.852	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.483
Mar 20	111,375	1.49	1.51808	0.94	0.55	3.569	N/A	3.540	4.002	3.272	3.735	3.204	3.667	2.866	3.329	2.808	3.270	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.900	
April 20	141,823	1.64	1.67056	0.75																						