

November 2023 Interest Rates																																								
Issue Date	Amount of Debentures (\$0)	Debenture Rate (%)	Note	Rate (%)	Comparable Treasury Market Rate (%)	Spread Over Treasury Rate (%)	CDC Fee Borrower Fee	CSA Fee	10-Year Debentures																10-Year Debentures															
									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	0.625	1.000	0.625	1.000	0.625	1.000	0.625	1.000						
									0.6420	0.6420	0.3680	0.3680	0.3205	0.3205	0.6215	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	0.625	1.000	0.625	1.000				
									0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100								
10-Year Debentures																																								
Jan 22	12,092	1.58	1.64224	1.47	0.11			N/A	N/A	3.257	N/A	3.187	3.741	3.381	3.935	N/A	3.633	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	N/A								
Mar 22	17,227	2.30	2.38859	1.93	0.37			4.401	N/A	N/A	N/A	3.928	4.480	4.121	4.673	3.820	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	N/A	N/A								
May 22	20,358	3.39	3.51524	3.01	0.38			N/A	N/A	N/A	N/A	5.037	5.583	5.228	5.774	4.931	5.477	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	N/A								
July 22	19,312	3.43	3.55675	3.01	0.42			N/A	N/A	5.149	N/A	N/A	5.626	5.271	5.817	4.974	5.520	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	N/A								
Sept 22	15,202	3.78	3.91809	3.38	0.40			N/A	N/A	N/A	N/A	5.438	N/A	5.438	5.629	6.174	5.332	5.877	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								
Nov 22	16,930	4.70	4.86652	3.95	0.75			N/A	N/A	7.385	N/A	N/A	6.378	6.920	5.658	7.110	6.273	6.815	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								
Jan 23	12,344	4.60	4.76278	3.95	0.65			N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.460	7.001	6.166	6.707	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								
Mar 23	11,954	4.93	5.10307	4.28	0.65			N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.800	7.341	6.506	7.047	6.784	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 23	7,158	4.21	4.36187	3.31	0.90			N/A	N/A	N/A	N/A	N/A	5.880	N/A	6.070	6.615	5.774	6.318	6.054	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.076	N/A	N/A								
July 23	8,949	5.22	5.40084	4.42	0.80			N/A	N/A	N/A	N/A	N/A	N/A	7.092	N/A	6.798	7.337	7.076	7.614	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.098	N/A	N/A								
Sept 23	18,711	5.21	5.39072	4.41	0.80			N/A	N/A	N/A	N/A	N/A	N/A	7.083	7.622	6.789	7.328	7.067	7.606	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 23	17,545	5.47	5.65838	4.57	0.90			N/A	N/A	N/A	N/A	N/A	N/A	7.349	7.888	7.056	7.595	7.333	7.872	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								
20-Year Debentures																																								
Jan 22	62,330	1.84	1.87372	1.73	0.11			N/A	4.017	N/A	N/A	3.160	3.622	3.322	3.783	3.070	3.532	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	N/A								
Feb 22	69,462	2.22	2.25968	1.99	0.23			3.939	4.400	3.602	4.063	3.544	4.005	3.705	4.166	3.454	3.915	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	N/A								
Mar 22	75,960	2.53	2.57423	2.00	0.53			4.250	N/A	3.914	N/A	3.856	N/A	4.017	4.476	3.766	4.226	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	N/A								
April 22	94,133	3.38	3.43547	2.65	0.73			5.100	5.557	4.766	N/A	4.709	N/A	4.868	5.325	4.620	5.076	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	N/A								
May 22	81,487	3.82	3.88065	3.04	0.78			5.539	N/A	5.207	5.662	5.149	5.604	5.309	5.764	5.061	5.516	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	N/A								
June 22	100,238	3.89	3.95163	3.04	0.85			5.611	6.067	5.279	N/A	5.221	5.676	5.380	5.836	5.132	5.588	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	N/A								
July 22	70,315	3.81	3.87069	2.96	0.85			5.530	N/A	5.198	N/A	5.140	5.595	5.299	5.755	5.051	5.507	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	N/A								
Aug 22	79,827	3.65	3.70886	2.82	0.83			5.372	N/A	5.039	N/A	4.981	5.437	5.141	5.597	4.892	5.349	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	N/A								
Sept 22	52,060	4.10	4.16385	3.26	0.84			N/A	N/A	5.489	N/A	5.431	N/A	5.590	6.045	5.343	5.797	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.357	5.811	N/A								
Oct 22	50,244	4.89	4.96167	3.84	1.05			6.610	N/A	6.279	N/A	6.222	N/A	6.380	6.832	6.134	5.586	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.148	N/A	N/A								
Nov 22	51,598	4.98	5.05266	3.83	1.15			6.702	N/A	N/A	N/A	6.314	6.766	6.472	6.925	6.226	6.678	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.240	N/A	N/A								
Dec 22	40,251	4.56	4.62866	3.46	1.10			N/A	N/A	5.950	N/A	5.892	N/A	6.051	6.504	5.804	6.258	6.037	6.491	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.818	N/A	N/A								
Jan 23	44,014	4.81	4.88083	3.76	1.05			6.529	N/A	6.199	N/A	6.142	N/A	6.300	6.752	6.054	6.506	6.286	6.739	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.067	N/A	6.757	N/A							
Feb 23	32,971	4.51	4.57813	3.61	0.90			N/A	N/A	N/A	6.354	5.843	6.296	6.001	6.455	5.754	6.208	5.988	6.441	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.768	N/A	N/A								
Mar 23	39,763	4.86	4.93163	3.96	0.90			N/A	N/A	6.251	N/A	6.193	N/A	6.352	6.804	6.105	6.558	6.338	6.791	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.119	N/A	N/A								
April 23	31,246	4.48	4.54767	3.28	1.20			6.200	N/A	N/A	N/A	5.811	6.265	5.970	6.423	5.723	6.176	5.956	6.410	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.975	N/A	N/A							
May 23	41,147	4.60	4.66912	3.37	1.23			N/A	N/A	N/A	N/A	6.445	5.934	N/A	6.092	6.546	5.845	6.299	6.079	6.532	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.097	N/A	N/A							
June 23	28,602	4.91	4.98196	3.75	1.16			N/A	N/A	N/A	N/A	6.243	N/A	6.401	N/A	6.155	6.607	6.388	6.840	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.169	N/A	N/A								
July 23	38,290	5.16	5.23405	4.06	1.10			N/A	N/A	N/A	N/A	6.492	N/A	6.650	7.102	6.405	6.856	6.637	7.088	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.655	N/A	N/A							
Aug 23	26,140	5.13	5.20398	4.00	1.13			N/A	N/A	6.521	N/A	6.464	N/A	6.622	N/A	6.376	6.828	6.609	7.061	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.842	6.627	N/A	N/A							
Sept 23	37,457	5.39	5.46603	4.28	1.11			7.110	N/A	6.780	N/A	N/A	N/A	6.881	7.332	6.635	7.086	6.867	7.318	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.886	7.337	N/A	N/A							
Oct 23	20,007	5.80	5.87909	4.72	1.08			N/A	N/A	N/A	N/A	N/A	N/A	7.290	N/A	7.045	7.495	7.276	7.726	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							
Nov 23	23,556	5.64	5.71824	4.56	1.08			N/A	N/A	N/A	7.031	N/A	6.974	N/A	7.132	N/A	6.887	7.337	7.118	7.569	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.137	N/A	N/A							
25-Year Debentures																																								
Jan 22	376,608	2.04	2.06849	1.73	0.31			3.682	4.125	3.358	3.801	3.302	3.745	3.457	3.900	3.216	3.659	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	N/A								
Feb 22	453,820	2.42	2.45266	1.99	0.43			4.063	N/A	3.740	4.182	3.684	4.126	3.839	4.281	3.598	4.040	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	N/A								
Mar 22	518,023	2.75	2.78601	2.00	0.75			N/A	4.834	4.071	4.512	4.015	4.456	4.169	4.610	3.929	4.370	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	N/A								
April 22	530,747	3.50	3.54268	2.65	0.85			N/A	N/A	4.821	5.259	4.765	5.203	4.918	5.357	4.680	5.118	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	N/A								
May 22	582,785	3.94	3.98600	3.04	0.90			5.579	N/A	5.260	5.697	5.204	5.642	5.357	5.794	5.119	5.556	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	N/A								
June 22	720,567	4.01	4.05664	3.04	0.97			5.651	N/A	5.331	5.768	5.276	5.713	5.429	5.866	5.191	5.628	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.469	5.907	5.204								
July 22	507,976	3.93	3.97598	2.96	0.97			N/A	N/A	5.250	5.688	5.195	5.632	5.348	5.785	5.110	5.547	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.389	5.123	5.561								
Aug 22	612,245	3.80	3.84514	2.82	0.98			5.442	N/A	5.122	5.560	5.066	5.504	5.219	5.658	4.981	5.419	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.260	4.994	5.432								
Sept 22	468,908	4.26	4.30832	3.26	1.00			N/A	N/A	5.581	6.017	5.525	5.962	5.678	6.115	5.440	5.877	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.719	5.454	5.890								
Oct 22	409,101	5.04	5.09293	3.84	1.20			6.676	N/A	6.359	N/A	6.304	6.738</																											