

November 2024 Interest Rates																															
Amount of		Debtenture	Comptroller		Serial	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		
Issue Date	(\$0)		Market Rate (%)	Rate (%)			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	5.629	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	N/A	
Nov 22	16,930	4.70	4.86652	3.95	0.75	N/A	7.385	N/A	N/A	6.378	6.920	6.568	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	N/A	
Jan 23	12,344	4.60	4.76278	3.95	0.65	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	N/A	N/A	
Mar 23	19,133	4.93	5.10307	4.28	0.65	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	N/A	N/A	
May 23	17,518	4.21	4.36187	3.31	0.90	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	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	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	N/A	7.098	N/A	N/A	
Sept 23	18,711	5.21	5.39072	4.41	0.80	N/A	N/A	6.962	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	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	N/A	
Jan 24	12,271	4.80	4.96964	3.95	0.85	N/A	N/A	N/A	N/A	N/A	N/A	7.213	6.375	N/A	6.654	7.197	6.544	7.086	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.580	7.122	
Mar 24	20,881	4.86	5.03081	4.11	0.75	N/A	N/A	N/A	N/A	6.538	N/A	N/A	6.433	N/A	6.711	7.251	6.601	7.141	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.274	6.637	7.177	
May 24	17,489	5.16	5.33966	4.49	0.67	N/A	N/A	N/A	N/A	N/A	7.034	N/A	N/A	7.280	7.018	7.558	6.908	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.944	N/A	
July 24	7,881	4.75	4.91815	4.12	0.63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.324	N/A	6.604	7.146	6.493	7.035	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.529	N/A	
Sept 24	6,540	4.15	4.29923	3.55	0.60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.707	6.250	5.986	6.529	5.875	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.912	N/A	
Nov 24	8,388	4.78	4.94837	4.20	0.58	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.351	6.892	6.629	7.170	6.519	7.060	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.555	N/A	
20-Year Debentures																															
Jan 22	62,330	1.84	1.87372	1.73	0.11	N/A	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	
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	2.57123	2.60	0.00	N/A	3.914	N/A	N/A	3.476	N/A	4.016	3.766	3.464	3.226	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	3.98	3.43547	2.65	0.73	5.100	5.557	4.766	4.709	N/A	4.868	5.321	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	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	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	N/A	N/A	N/A	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	6.136	6.586	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Nov 22	51,998	4.98	5.02566	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	N/A	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	N/A	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	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	N/A	5.768	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	N/A	6.119	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	
May 23	41,147	4.60	4.66912	3.37	1.23	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	N/A	6.097	N/A	
June 23	38,601	4.91	4.98166	3.75	1.16	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	N/A	N/A	6.169	N/A	
July 23	38,290	5.16	5.23405	4.06	1.10	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	N/A	6.655	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	N/A	6.842	6.627	N/A
Sept 23	37,457	5.39	5.46603	4.28	1.11	7.110	N/A	6.780	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	N/A	N/A	6.886	7.337	N/A
Oct 23	20,007	5.80	5.87909	4.72	1.08	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	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	N/A	7.137	N/A
Dec 23	21,495	5.23	5.30472	4.15	1.08	N/A	N/A	N/A	N/A	N/A	6.721	N/A	6.475	6.926	6.707	7.159	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.726	7.177	N/A
Jan 24	29,983	5.04	5.11327	4.02	1.02	N/A	N/A	N/A	6.982	N/A	6.924	N/A	6.988	7.436	6.972	7.427	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.972	7.427	N/A
Feb 24	12,977	5.11	5.18370	4.16	0.95	N/A	N/A	N/A	N/A	N/A	6.601	N/A	6.355	6.807	6.588	7.040	6.496	6.947	N/A	N/A	N/A	N/A	N/A	N/A	N						