August 2013 Interest Rates

Issue Date	Amount of Debentures ($0)	Debenture Rate (%)	Note Rate (%)	Comparable Treasury Market 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	1.00
						Borrower Fee	0.192	0.192	0.018	0.018	0.021	0.021	0.000	0.000	0.389	0.389	0.749	0.749	0.9375	0.9375	1.043	1.043	1.103	1.10
						CSA Fee	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	0.10
	10-Year Debentures					**10-Year Debentures**															**Refinance**			
Sept 10	28,385	1.97	2.0467	1.44	0.53		N/A	N/A	3.14	N/A	3.15	N/A	3.12	3.67	3.69	4.24								
Nov 10	33,855	1.81	1.8810	1.16	0.65		N/A	N/A	N/A	3.53	2.98	3.54	2.95	3.51	3.53	4.08								
Jan 11	24,427	2.45	2.5437	1.98	0.47		N/A	4.44	N/A	N/A	3.64	N/A	3.61	N/A	4.18	4.73	4.71	5.26						
Mar 11	29,623	2.63	2.7302	2.21	0.42		N/A	N/A	N/A	N/A	3.83	4.38	3.79	4.35	4.37	4.92	4.89	5.45						
May 11	34,930	2.34	2.4297	1.96	0.39		N/A	N/A	N/A	N/A	N/A	N/A	3.49	N/A	4.06	4.62	4.59	5.14						
July 11	27,080	2.25	2.3367	1.72	0.53		N/A	N/A	N/A	N/A	N/A	N/A	3.40	3.95	3.97	4.53	4.50	5.06			4.94	N/A		
Sept 11	28,414	1.53	1.5905	0.87	0.66		N/A	N/A	N/A	N/A	N/A	N/A	2.66	N/A	3.24	3.79	3.77	4.33			4.21	N/A		
Nov 11	26,665	1.52	1.5802	0.88	0.64		N/A	N/A	N/A	N/A	N/A	N/A	2.65	N/A	3.23	N/A	3.76	4.32	N/A	N/A	4.20	N/A	N/A	N/A
Jan 12	19,966	1.58	1.6422	0.88	0.70		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.29	N/A	3.82	4.37	N/A	N/A	4.25	N/A	4.34	N/A
Mar 12	32,671	1.31	1.3622	0.82	0.49		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.01	3.57	3.55	4.10	3.83	4.38	N/A	N/A	4.07	N/A
May 12	33,229	1.24	1.2895	0.76	0.48		N/A	N/A	N/A	N/A	N/A	N/A	2.37	N/A	2.94	N/A	3.48	4.03	3.76	4.31	N/A	N/A	4.00	4.56
July 12	35,741	1.19	1.2375	0.69	0.51		N/A	N/A	N/A	N/A	N/A	N/A	2.31	N/A	2.89	3.44	3.42	3.98	3.70	4.26	N/A	N/A	3.95	N/A
Sept 12	53,054	0.98	1.0194	0.60	0.39		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.67	N/A	3.21	3.76	3.49	4.04	N/A	N/A	3.73	4.29
Nov 12	57,943	1.01	1.0506	0.71	0.30		N/A	N/A	N/A	N/A	N/A	N/A	2.13	N/A	2.71	3.26	3.24	3.80	3.52	4.08	N/A	N/A	3.77	4.32
Jan 13	38,106	1.11	1.1546	0.79	0.32		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.81	N/A	3.35	3.902	3.625	4.182	N/A	N/A	3.871	4.43
Mar 13	49,982	1.20	1.2479	0.844	0.356		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.46	3.43	N/A	3.712	4.268	N/A	N/A	3.958	4.51
May 13	40,647	1.10	1.1441	0.740	0.360		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.33	3.891	3.613	4.171	N/A	N/A	3.859	4.42
July 13	34,982	1.89	1.9639	1.410	0.480		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.14	N/A	4.42	4.975	N/A	N/A	N/A	5.22
	20-Year Debentures					**20-Year Debentures**															**Refinance**			
Oct 10	265,250	3.11	3.16206	2.47	0.64		4.28	N/A	4.07	N/A	4.07	4.53	4.05	4.50	4.52	4.98								
Nov 10	308,534	3.25	3.30397	2.58	0.67		N/A	N/A	4.21	4.67	4.21	4.67	4.19	4.65	4.66	5.12	5.10							
Dec 10	302,536	3.72	3.77960	3.07	0.65		N/A	N/A	4.68	5.14	4.69	5.14	4.66	5.12	5.13	5.59	5.57	6.03						
Jan 11	263,092	3.89	3.95146	3.33	0.56		N/A	N/A	4.85	5.31	4.86	N/A	4.83	5.29	5.30	5.76	5.74	6.19						
Feb 11	297,918	4.22	4.28527	3.66	0.56		N/A	N/A	5.19	N/A	5.19	5.64	5.16	5.62	5.64	6.09	6.07	6.53						
Mar 11	285,694	4.09	4.15380	3.52	0.57		N/A	N/A	5.06	N/A	5.06	5.51	5.03	5.49	5.51	5.96	5.94	6.40						
Apr 11	251,557	4.05	4.11327	3.44	0.61		N/A	N/A	5.01	N/A	5.02	5.47	4.99	5.45	5.46	5.92	5.90	6.35						
May 11	279,709	3.79	3.85029	3.26	0.53		4.96	N/A	N/A	5.21	4.76	5.21	4.73	5.19	5.20	5.66	5.64	6.09						
June 11	320,853	3.67	3.72902	3.04	0.62		N/A	N/A	4.63	5.09	4.64	5.09	4.61	5.07	5.08	5.54	5.52	5.98			5.88	5.88		
July 11	252,147	3.74	3.79979	3.14	0.60		N/A	N/A	4.70	N/A	4.71	5.16	4.68	5.14	5.15	5.61	5.59	6.05			5.95	5.95		
Aug 11	334,006	3.29	3.34451	2.38	0.92		N/A	N/A	4.25	N/A	4.25	4.71	4.23	4.69	4.70	5.16	5.14	5.60			5.50	5.96		
Sept 11	312,077	2.85	2.89868	1.94	0.91		N/A	N/A	N/A	N/A	3.81	4.27	3.78	N/A	4.26	4.72	4.70	5.16			5.06	5.52		
Oct 11	319,054	2.76	2.80737	1.76	1.00		N/A	N/A	N/A	N/A	3.72	N/A	3.69	4.15	4.17	4.63	4.61	5.07	N/A	N/A	4.97	5.43	N/A	N/A
Nov 11	335,597	2.87	2.91896	2.01	0.86		N/A	N/A	N/A	N/A	3.83	N/A	3.81	4.26	4.28	4.74	4.72	5.18	N/A	N/A	5.08	5.54	N/A	N/A
Dec 11	318,625	2.87	2.91892	2.08	0.79		N/A	N/A	N/A	N/A	3.83	4.29	3.81	4.26	4.28	4.74	4.72	5.18	4.95	5.41	5.08	5.54	5.15	5.61
Jan 12	302,257	2.76	2.80737	1.95	0.81		N/A	N/A	N/A	N/A	3.72	4.18	3.69	4.15	4.17	4.63	4.61	5.07	4.84	5.30	4.97	5.43	5.04	5.50
Feb 12	374,824	2.63	2.67564	1.95	0.68		N/A	N/A	N/A	N/A	3.59	4.05	3.56	4.02	4.04	4.50	4.48	4.94	4.71	5.17	4.84	5.30	4.91	5.37
Mar 12	352,819	2.51	2.55392	1.94	0.57		N/A	N/A	3.46	3.92	3.47	N/A	3.44	3.90	3.92	4.38	4.36	4.82	4.59	5.05	4.72	N/A	4.79	5.25
April 12	342,167	2.67	2.71610	2.17	0.50		N/A	N/A	N/A	N/A	3.63	4.09	3.60	4.06	4.08	4.54	4.52	4.98	4.75	5.21	4.88	N/A	4.95	5.41
May 12	414,500	2.38	2.42208	1.84	0.54		N/A	N/A	N/A	N/A	3.34	N/A	3.31	3.77	3.79	4.25	4.23	4.69	4.46	4.92	N/A	N/A	4.67	5.13
June 12	339,484	2.42	2.46261	1.57	0.85		N/A	N/A	N/A	N/A	3.38	N/A	3.35	3.81	3.83	4.29	4.27	4.73	4.50	4.96	4.63	N/A	4.70	5.16
July 12	386,598	2.38	2.42197	1.61	0.77		N/A	N/A	N/A	N/A	3.34	3.80	3.31	3.77	3.79	4.25	4.23	4.69	4.46	4.92	N/A	N/A	4.66	5.12
Aug 12	506,996	2.37	2.41191	1.63	0.74		N/A	N/A	N/A	N/A	N/A	3.79	3.30	N/A	3.78	4.24	4.22	4.68	4.45	4.91	N/A	N/A	4.65	5.11
Sept 12	495,038	2.20	2.23936	1.55	0.65		N/A	N/A	N/A	N/A	3.16	N/A	3.13	3.59	3.61	4.07	4.05	4.51	4.28	4.74	N/A	N/A	4.48	4.94
Oct 12	464,322	2.18	2.21911	1.72	0.46		N/A	N/A	N/A	N/A	3.14	N/A	3.11	3.57	3.59	4.05	4.03	4.49	4.26	4.72	4.39	N/A	4.47	4.93
Nov 12	428,707	2.09	2.12771	1.70	0.39		N/A	N/A	N/A	N/A	3.04	3.51	3.02	3.48	3.50	3.96	3.94	4.40	4.17	4.63	N/A	N/A	4.37	4.84
Dec 12	459,560	1.93	1.96515	1.62	0.31		N/A	N/A	N/A	N/A	N/A	N/A	2.86	N/A	3.34	3.80	3.78	4.24	4.01	4.47	4.14	N/A	4.21	4.67
Jan 13	469,728	2.13	2.16833	1.90	0.23		N/A	N/A	N/A	N/A	N/A	3.55	3.06	N/A	3.54	4.00	3.98	4.44	4.21	4.67	N/A	N/A	4.42	4.88
Feb 13	389,994	2.21	2.24949	1.95	0.26		N/A	N/A	N/A	N/A	3.17	N/A	3.14	N/A	3.62	4.08	4.06	4.52	4.29	4.75	N/A	N/A	4.49	4.95
Mar 13	451,401	2.22	2.25964	1.99	0.23		N/A	N/A	N/A	N/A	3.18	N/A	3.15	N/A	3.63	4.09	4.07	4.53	4.30	4.76	N/A	N/A	4.50	4.96
April 13	375,434	2.08	2.11763	1.79	0.29		N/A	N/A	N/A	N/A	3.04	N/A	3.01	3.47	3.49	3.95	3.93	4.39	4.16	4.62	N/A	N/A	4.37	4.83
May 13	429,081	2.07	2.10738	1.80	0.27		N/A	N/A	N/A	N/A	N/A	3.49	3.00	N/A	3.48	N/A	3.92	4.38	4.15	4.61	N/A	N/A	4.36	4.82
June 13	335,837	2.45	2.49303	2.10	0.35		N/A	N/A	N/A	N/A	3.41	3.87	3.38	3.84	3.86	4.32	4.30	4.76	4.53	4.99	N/A	N/A	4.73	5.19
July 13	398,994	3.15	3.20269	2.59	0.56		N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.55	4.56	N/A	5.00	5.46	5.23	5.69	N/A	N/A	5.43	5.89
Aug 13	325,494	3.16	3.21274	2.59	0.57		N/A	N/A	N/A	N/A	4.12	N/A	4.10	N/A	4.57	5.03	5.01	5.47	5.24	5.70	N/A	N/A	5.44	5.90