

CAD Money Market Reference Rate (MMRR)

NOTES

The Money Market Reference Rate information is provided for convenience only. We do not accept responsibility for any decision made using these rates.

Interest rates are subject to change without notice at any time. However, typically MMRR rate changes on Fridays with value effective Saturday

2024	Week Rate	Month Avg	Quarter Avg
6-Jan-24	5.427	5.433	5.435
13-Jan-24	5.405	5.422	5.435
20-Jan-24	5.403	5.417	5.435
27-Jan-24	5.393	5.413	5.435
3-Feb-24	5.369	5.374	5.435
10-Feb-24	5.347	5.362	5.435
17-Feb-24	5.336	5.354	5.435
24-Feb-24	5.320	5.347	5.435
2-Mar-24	5.309	5.310	5.435
9-Mar-24	5.296	5.304	5.435
16-Mar-24	5.296	5.301	5.435
23-Mar-24	5.283	5.297	5.435
30-Mar-24	5.281	5.296	5.435
6-Apr-24	5.277	5.279	5.435
13-Apr-24	5.275	5.277	5.435
20-Apr-24	5.269	5.275	5.435
27-Apr-24	5.272	5.275	5.435
4-May-24	5.267	5.268	5.435
11-May-24	5.262	5.266	5.435

2022	Week Rate	Month Avg	Quarter Avg
1-Jan-22	0.482	0.482	0.465
8-Jan-22	0.495	0.489	0.473
15-Jan-22	0.525	0.501	0.473
22-Jan-22	0.679	0.545	0.490
29-Jan-22	0.612	0.552	0.494
5-Feb-22	0.655	0.640	0.640
12-Feb-22	0.699	0.663	0.663
19-Feb-22	0.755	0.689	0.689
26-Feb-22	0.819	0.702	0.717
5-Mar-22	0.875	0.855	0.745
12-Mar-22	0.915	0.878	0.771
19-Mar-22	0.965	0.902	0.797
26-Mar-22	1.008	0.923	0.821
2-Apr-22	1.123	1.108	0.853
9-Apr-22	1.250	1.174	0.890
16-Apr-22	1.378	1.239	0.932
23-Apr-22	1.506	1.303	0.978
30-Apr-22	1.575	1.312	0.985
7-May-22	1.644	1.612	1.612
14-May-22	1.717	1.649	1.649
21-May-22	1.801	1.688	1.688
28-May-22	1.890	1.714	1.730
4-Jun-22	1.992	1.961	1.774
11-Jun-22	2.059	2.002	1.816
18-Jun-22	2.190	2.056	1.864
25-Jun-22	2.345	2.114	1.918
2-Jul-22	2.478	2.461	1.975
9-Jul-22	2.700	2.573	2.042
16-Jul-22	3.065	2.729	2.128
23-Jul-22	3.130	2.826	2.206
30-Jul-22	3.180	2.849	2.227
6-Aug-22	3.221	3.204	3.204
13-Aug-22	3.273	3.229	3.229
20-Aug-22	3.349	3.262	3.262
27-Aug-22	3.458	3.293	3.303
3-Sep-22	3.688	3.637	3.371
10-Sep-22	3.824	3.719	3.438
17-Sep-22	3.871	3.765	3.494
24-Sep-22	3.903	3.797	3.541
1-Oct-22	3.962	3.962	3.585
8-Oct-22	4.109	4.036	3.634
15-Oct-22	4.202	4.091	3.682
22-Oct-22	4.409	4.171	3.739
29-Oct-22	4.333	4.186	3.759
5-Nov-22	4.396	4.373	4.373
12-Nov-22	4.415	4.389	4.389
19-Nov-22	4.478	4.414	4.414
26-Nov-22	4.539	4.435	4.441
3-Dec-22	4.611	4.595	4.472
10-Dec-22	4.707	4.644	4.508
17-Dec-22	4.715	4.665	4.535
24-Dec-22	4.749	4.685	4.560
31-Dec-22	4.822	4.689	4.587

2023	Week Rate	Month Avg	Quarter Avg
7-Jan-23	4.878	4.852	4.615
14-Jan-23	4.92	4.876	4.641
21-Jan-23	4.954	4.896	4.666
28-Jan-23	4.934	4.901	4.678
4-Feb-23	4.918	4.923	4.923
11-Feb-23	4.910	4.917	4.917
18-Feb-23	4.921	4.919	4.919
25-Feb-23	4.939	4.921	4.923
4-Mar-23	4.961	4.954	4.930
11-Mar-23	4.960	4.957	4.935
18-Mar-23	4.963	4.958	4.939
25-Mar-23	4.963	4.959	4.941
1-Apr-23	4.977	4.977	4.945
8-Apr-23	4.992	4.984	4.950
15-Apr-23	4.994	4.988	4.954
22-Apr-23	4.990	4.988	4.956
29-Apr-23	4.988	4.988	4.957
6-May-23	4.973	4.979	4.979
13-May-23	4.974	4.977	4.977
20-May-23	4.980	4.978	4.978
27-May-23	4.997	4.981	4.982
3-Jun-23	5.035	4.997	4.980
10-Jun-23	5.173	5.091	5.019
17-Jun-23	5.206	5.126	5.043
24-Jun-23	5.269	5.159	5.069
1-Jul-23	5.319	5.319	5.095
8-Jul-23	5.363	5.341	5.120
15-Jul-23	5.416	5.366	5.145
22-Jul-23	5.419	5.379	5.167
29-Jul-23	5.419	5.383	5.175
5-Aug-23	5.416	5.417	5.417
12-Aug-23	5.415	5.416	5.416
19-Aug-23	5.420	5.417	5.417
26-Aug-23	5.424	5.419	5.419
2-Sep-23	5.423	5.423	5.420
9-Sep-23	5.411	5.417	5.418
16-Sep-23	5.409	5.415	5.417
23-Sep-23	5.416	5.415	5.417
30-Sep-23	5.434	5.416	5.419
7-Oct-23	5.464	5.450	5.423
14-Oct-23	5.480	5.460	5.428
21-Oct-23	5.486	5.467	5.432
28-Oct-23	5.485	5.469	5.435
4-Nov-23	5.465	5.471	5.435
11-Nov-23	5.444	5.460	5.435
18-Nov-23	5.436	5.453	4.435
25-Nov-23	5.432	5.449	5.435
2-Dec-23	5.418	5.420	5.435
9-Dec-23	5.408	5.414	5.435
16-Dec-23	5.405	5.411	5.435
23-Dec-23	5.422	5.414	5.435
30-Dec-23	5.440	5.416	5.435

2019	Week Rate	Month Avg	Quarter Avg
5-Jan-19	2.310	2.303	2.208
12-Jan-19	2.277	2.293	2.214
19-Jan-19	2.217	2.272	2.214
26-Jan-19	2.164	2.251	2.211
2-Feb-19	2.151	2.153	2.153

2020	Week Rate	Month Avg	Quarter Avg
4-Jan-20	2.074	2.070	1.994
11-Jan-20	2.052	2.063	1.999
18-Jan-20	2.036	2.055	2.002
25-Jan-20	2.013	2.045	2.003
1-Feb-20	1.987	1.987	1.987

2021	Week Rate	Month Avg	Quarter Avg
2-Jan-21	0.469	0.470	0.476
9-Jan-21	0.443	0.457	0.473
16-Jan-21	0.433	0.450	0.470
23-Jan-21	0.427	0.444	0.467
30-Jan-21	0.427	0.443	0.466

9-Feb-19	2.128	2.141	2.141	8-Feb-20	1.961	1.974	1.974	6-Feb-21	0.427	0.427	0.427
16-Feb-19	2.116	2.133	2.133	15-Feb-20	1.960	1.969	1.969	13-Feb-21	0.427	0.427	0.427
23-Feb-19	2.089	2.124	2.123	22-Feb-20	1.950	1.964	1.964	20-Feb-21	0.427	0.427	0.427
2-Mar-19	2.064	2.067	2.111	29-Feb-20	1.884	1.962	1.948	27-Feb-21	0.428	0.427	0.427
9-Mar-19	2.017	2.044	2.096	7-Mar-20	1.458	1.654	1.867	6-Mar-21	0.428	0.428	0.428
16-Mar-19	2.005	2.031	2.083	14-Mar-20	1.524	1.609	1.818	13-Mar-21	0.428	0.428	0.428
23-Mar-19	1.996	2.023	2.072	21-Mar-20	1.584	1.603	1.788	20-Mar-21	0.427	0.428	0.427
30-Mar-19	1.995	2.021	2.064	28-Mar-20	1.301	1.564	1.734	27-Mar-21	0.423	0.427	0.427
6-Apr-19	1.997	1.996	2.057	4-Apr-20	1.042	1.120	1.665	3-Apr-21	0.423	0.423	0.427
13-Apr-19	1.996	1.996	2.052	11-Apr-20	0.678	0.938	1.575	10-Apr-21	0.423	0.423	0.426
20-Apr-19	1.996	1.996	2.047	18-Apr-20	0.633	0.849	1.497	17-Apr-21	0.423	0.423	0.426
27-Apr-19	1.990	1.995	2.045	25-Apr-20	0.624	0.804	1.439	24-Apr-21	0.423	0.423	0.426
4-May-19	1.999	1.996	1.996	2-May-20	0.628	0.628	0.628	1-May-21	0.423	0.423	0.423
11-May-19	1.996	1.996	1.996	9-May-20	0.595	0.612	0.612	8-May-21	0.422	0.422	0.422
18-May-19	1.995	1.996	1.996	16-May-20	0.565	0.597	0.597	15-May-21	0.422	0.422	0.422
25-May-19	1.993	1.995	1.995	23-May-20	0.552	0.586	0.586	22-May-21	0.422	0.422	0.422
1-Jun-19	1.989	1.989	1.994	30-May-20	0.545	0.584	0.578	29-May-21	0.422	0.422	0.422
8-Jun-19	1.979	1.984	1.992	6-Jun-20	0.544	0.544	0.573	5-Jun-21	0.422	0.422	0.422
15-Jun-19	1.971	1.980	1.989	13-Jun-20	0.543	0.544	0.569	12-Jun-21	0.422	0.422	0.422
22-Jun-19	1.964	1.976	1.986	20-Jun-20	0.543	0.544	0.565	19-Jun-21	0.423	0.423	0.422
29-Jun-19	1.963	1.975	1.984	27-Jun-20	0.538	0.543	0.562	26-Jun-21	0.426	0.423	0.423
6-Jul-19	1.964	1.964	1.982	4-Jul-20	0.536	0.536	0.560	3-Jul-21	0.426	0.426	0.423
13-Jul-19	1.964	1.964	1.980	11-Jul-20	0.533	0.535	0.557	10-Jul-21	0.426	0.426	0.423
20-Jul-19	1.962	1.963	1.979	18-Jul-20	0.532	0.534	0.555	17-Jul-21	0.427	0.426	0.424
27-Jul-19	1.960	1.963	1.978	25-Jul-20	0.520	0.531	0.553	24-Jul-21	0.427	0.426	0.424
3-Aug-19	1.969	1.967	1.967	1-Aug-20	0.515	0.515	0.515	31-Jul-21	0.427	0.426	0.424
10-Aug-19	1.965	1.966	1.966	8-Aug-20	0.512	0.513	0.513	7-Aug-21	0.427	0.427	0.427
17-Aug-19	1.955	1.963	1.963	15-Aug-20	0.505	0.510	0.510	14-Aug-21	0.427	0.427	0.427
24-Aug-19	1.954	1.961	1.961	22-Aug-20	0.497	0.507	0.507	21-Aug-21	0.429	0.428	0.428
31-Aug-19	1.945	1.960	1.958	29-Aug-20	0.493	0.506	0.504	28-Aug-21	0.434	0.429	0.429
7-Sep-19	1.951	1.948	1.957	5-Sep-20	0.492	0.493	0.502	4-Sep-21	0.439	0.437	0.431
14-Sep-19	1.959	1.952	1.957	12-Sep-20	0.492	0.493	0.501	11-Sep-21	0.439	0.438	0.432
21-Sep-19	1.960	1.954	1.957	19-Sep-20	0.492	0.493	0.500	18-Sep-21	0.436	0.438	0.433
28-Sep-19	1.959	1.955	1.957	26-Sep-20	0.492	0.493	0.499	25-Sep-21	0.438	0.438	0.433
5-Oct-19	1.959	1.959	1.958	3-Oct-20	0.491	0.491	0.498	2-Oct-21	0.439	0.439	0.434
12-Oct-19	1.962	1.960	1.958	10-Oct-20	0.487	0.489	0.497	9-Oct-21	0.440	0.440	0.434
19-Oct-19	1.963	1.961	1.958	17-Oct-20	0.485	0.488	0.496	16-Oct-21	0.442	0.440	0.435
26-Oct-19	1.962	1.961	1.959	24-Oct-20	0.479	0.486	0.495	23-Oct-21	0.442	0.441	0.436
2-Nov-19	1.963	1.963	1.963	31-Oct-20	0.479	0.486	0.495	30-Oct-21	0.452	0.442	0.436
9-Nov-19	1.963	1.963	1.963	7-Nov-20	0.479	0.479	0.479	6-Nov-21	0.456	0.455	0.455
16-Nov-19	1.962	1.962	1.962	14-Nov-20	0.479	0.479	0.479	13-Nov-21	0.461	0.457	0.457
23-Nov-19	1.962	1.962	1.962	21-Nov-20	0.479	0.479	0.479	20-Nov-21	0.461	0.458	0.458
30-Nov-19	1.962	1.962	1.962	28-Nov-20	0.479	0.479	0.479	27-Nov-21	0.461	0.459	0.459
7-Dec-19	1.972	1.967	1.964	5-Dec-20	0.478	0.478	0.479	4-Dec-21	0.465	0.464	0.460
14-Dec-19	1.988	1.975	1.967	12-Dec-20	0.478	0.478	0.479	11-Dec-21	0.471	0.467	0.461
21-Dec-19	2.036	1.990	1.976	19-Dec-20	0.473	0.477	0.478	18-Dec-21	0.470	0.468	0.463
28-Dec-19	2.061	1.999	1.985	26-Dec-20	0.471	0.476	0.477	25-Dec-21	0.476	0.469	0.464

2017	Week Rate	Month Avg	Quarter Avg
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7-Jan-17	0.942	0.942	0.902
14-Jan-17	0.947	0.944	0.906
21-Jan-17	0.948	0.945	0.910
28-Jan-17	0.951	0.946	0.911
4-Feb-17	0.952	0.952	0.952
11-Feb-17	0.944	0.949	0.949
18-Feb-17	0.937	0.945	0.945
25-Feb-17	0.935	0.944	0.943
4-Mar-17	0.921	0.925	0.939
11-Mar-17	0.914	0.920	0.935
18-Mar-17	0.906	0.916	0.931
25-Mar-17	0.906	0.914	0.928
1-Apr-17	0.926	0.926	0.928
8-Apr-17	0.929	0.928	0.928
15-Apr-17	0.930	0.928	0.928
22-Apr-17	0.911	0.924	0.927
29-Apr-17	0.909	0.923	0.926
6-May-17	0.888	0.897	0.897
13-May-17	0.866	0.886	0.886
20-May-17	0.866	0.880	0.880
27-May-17	0.868	0.878	0.878
3-Jun-17	0.875	0.874	0.877
10-Jun-17	0.862	0.869	0.875
17-Jun-17	0.874	0.870	0.875
24-Jun-17	0.908	0.879	0.879
1-Jul-17	1.022	1.022	0.894
8-Jul-17	1.113	1.068	0.914
15-Jul-17	1.166	1.100	0.936
22-Jul-17	1.196	1.124	0.956
29-Jul-17	1.242	1.136	0.965
5-Aug-17	1.261	1.254	1.254
12-Aug-17	1.267	1.259	1.259
19-Aug-17	1.268	1.262	1.262
26-Aug-17	1.270	1.263	1.264
2-Sep-17	1.306	1.302	1.271
9-Sep-17	1.408	1.351	1.292
16-Sep-17	1.399	1.366	1.306
23-Sep-17	1.376	1.369	1.314
30-Sep-17	1.356	1.368	1.319
7-Oct-17	1.355	1.355	1.322
14-Oct-17	1.365	1.359	1.326

2018	Week Rate	Month Avg	Quarter Avg
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6-Jan-18	1.549	1.523	1.399
13-Jan-18	1.590	1.548	1.416
20-Jan-18	1.615	1.566	1.432
27-Jan-18	1.617	1.574	1.442
3-Feb-18	1.623	1.622	1.622
10-Feb-18	1.606	1.615	1.615
17-Feb-18	1.604	1.611	1.611
24-Feb-18	1.600	1.609	1.609
3-Mar-18	1.624	1.619	1.612
10-Mar-18	1.636	1.626	1.615
17-Mar-18	1.640	1.630	1.619
24-Mar-18	1.659	1.637	1.624
31-Mar-18	1.676	1.638	1.629
7-Apr-18	1.676	1.676	1.634
14-Apr-18	1.685	1.679	1.638
21-Apr-18	1.684	1.680	1.642
28-Apr-18	1.679	1.680	1.643
5-May-18	1.684	1.683	1.683
12-May-18	1.686	1.684	1.684
19-May-18	1.688	1.685	1.685
26-May-18	1.688	1.686	1.686
2-Jun-18	1.695	1.694	1.667
9-Jun-18	1.693	1.693	1.688
16-Jun-18	1.693	1.693	1.689
23-Jun-18	1.686	1.692	1.688
30-Jun-18	1.711	1.692	1.691
7-Jul-18	1.785	1.751	1.700
14-Jul-18	1.858	1.788	1.713
21-Jul-18	1.862	1.807	1.725
28-Jul-18	1.867	1.815	1.731
4-Aug-18	1.872	1.871	1.871
11-Aug-18	1.875	1.872	1.872
18-Aug-18	1.883	1.876	1.876
25-Aug-18	1.892	1.879	1.879
1-Sep-18	1.896	1.896	1.882
8-Sep-18	1.897	1.897	1.885
15-Sep-18	1.895	1.896	1.886
22-Sep-18	1.893	1.895	1.887
29-Sep-18	1.910	1.896	1.889
6-Oct-18	1.961	1.940	1.896
13-Oct-18	1.999	1.962	1.905
20-Oct-18	2.054	1.987	1.917

2018	Week Rate	Month Avg	Quarter Avg
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6-Jan-18	1.549	1.523	1.399
13-Jan-18	1.590	1.548	1.416
20-Jan-18	1.615	1.566	1.432
27-Jan-18	1.617	1.574	1.442
3-Feb-18	1.623	1.622	1.622
10-Feb-18	1.606	1.615	1.615
17-Feb-18	1.604	1.611	1.611
24-Feb-18	1.600	1.609	1.609
3-Mar-18	1.624	1.619	1.612
10-Mar-18	1.636	1.626	1.615
17-Mar-18	1.640	1.630	1.619
24-Mar-18	1.659	1.637	1.624
31-Mar-18	1.676	1.638	1.629
7-Apr-18	1.676	1.676	1.634
14-Apr-18	1.685	1.679	1.638
21-Apr-18	1.684	1.680	1.642
28-Apr-18	1.679	1.680	1.643
5-May-18	1.684	1.683	1.683
12-May-18	1.686	1.684	1.684
19-May-18	1.688	1.685	1.685
26-May-18	1.688	1.686	1.686
2-Jun-18	1.695	1.694	1.667
9-Jun-18	1.693	1.693	1.688
16-Jun-18	1.693	1.693	1.689
23-Jun-18	1.686	1.692	1.688
30-Jun-18	1.711	1.692	1.691
7-Jul-18	1.785	1.751	1.700
14-Jul-18	1.858	1.788	1.713
21-Jul-18	1.862	1.807	1.725
28-Jul-18	1.867	1.815	1.731
4-Aug-18	1.872	1.871	1.871
11-Aug-18	1.875	1.872	1.872
18-Aug-18	1.883	1.876	1.876
25-Aug-18	1.892	1.879	1.879
1-Sep-18	1.896	1.896	1.882
8-Sep-18	1.897	1.897	1.885
15-Sep-18	1.895	1.896	1.886
22-Sep-18	1.893	1.895	1.887
29-Sep-18	1.910	1.896	1.889
6-Oct-18	1.961	1.940	1.896
13-Oct-18	1.999	1.962	1.905
20-Oct-18	2.054	1.987	1.917

21-Oct-17	1.368	1.361	1.329	27-Oct-18	2.111	2.007	1.928	27-Oct-18	2.111	2.007	1.928
28-Oct-17	1.358	1.361	1.330	3-Nov-18	2.136	2.131	2.131	3-Nov-18	2.136	2.131	2.131
4-Nov-17	1.355	1.356	1.356	10-Nov-18	2.137	2.133	2.133	10-Nov-18	2.137	2.133	2.133
11-Nov-17	1.347	1.352	1.352	17-Nov-18	2.152	2.139	2.139	17-Nov-18	2.152	2.139	2.139
18-Nov-17	1.347	1.351	1.351	24-Nov-18	2.167	2.145	2.145	24-Nov-18	2.167	2.145	2.145
25-Nov-17	1.347	1.350	1.350	1-Dec-18	2.190	2.190	2.154	1-Dec-18	2.190	2.190	2.154
2-Dec-17	1.366	1.363	1.353	8-Dec-18	2.205	2.197	2.162	8-Dec-18	2.205	2.197	2.162
9-Dec-17	1.376	1.369	1.356	15-Dec-18	2.247	2.214	2.174	15-Dec-18	2.247	2.214	2.174
16-Dec-17	1.391	1.376	1.361	22-Dec-18	2.272	2.228	2.185	22-Dec-18	2.272	2.228	2.185
23-Dec-17	1.448	1.394	1.371	29-Dec-18	2.292	2.234	2.197	29-Dec-18	2.292	2.234	2.197
30-Dec-17	1.486	1.400	1.384								

2014	Week Rate	Month Avg	Quarter Avg	2015	Week Rate	Month Avg	Quarter Avg	2016	Week Rate	Month Avg	Quarter Avg
4-Jan-14	1.246	1.246	1.246	3-Jan-15	1.299	1.298	1.280	2-Jan-16	0.876	0.875	0.841
11-Jan-14	1.244	1.245	1.246	10-Jan-15	1.297	1.297	1.282	9-Jan-16	0.867	0.871	0.844
18-Jan-14	1.242	1.244	1.246	17-Jan-15	1.292	1.296	1.283	16-Jan-16	0.826	0.856	0.842
25-Jan-14	1.242	1.244	1.245	24-Jan-15	1.023	1.232	1.263	23-Jan-16	0.854	0.856	0.843
1-Feb-14	1.242	1.242	1.242	31-Jan-15	1.007	1.225	1.260	30-Jan-16	0.861	0.856	0.843
8-Feb-14	1.242	1.242	1.242	7-Feb-15	0.985	0.995	0.995	6-Feb-16	0.852	0.856	0.856
15-Feb-14	1.242	1.242	1.242	14-Feb-15	0.960	0.983	0.983	13-Feb-16	0.846	0.852	0.852
22-Feb-14	1.242	1.242	1.242	21-Feb-15	0.925	0.968	0.968	20-Feb-16	0.850	0.851	0.851
1-Mar-14	1.241	1.241	1.242	28-Feb-15	0.976	0.968	0.969	27-Feb-16	0.859	0.852	0.853
8-Mar-14	1.241	1.241	1.242	7-Mar-15	1.004	0.991	0.975	5-Mar-16	0.868	0.865	0.856
15-Mar-14	1.241	1.241	1.242	14-Mar-15	0.998	0.994	0.979	12-Mar-16	0.872	0.867	0.858
22-Mar-14	1.241	1.241	1.242	21-Mar-15	0.991	0.993	0.980	19-Mar-16	0.872	0.869	0.860
29-Mar-14	1.244	1.242	1.242	28-Mar-15	0.997	0.993	0.982	26-Mar-16	0.877	0.870	0.862
5-Apr-14	1.245	1.245	1.242	4-Apr-15	0.998	0.998	0.984	2-Apr-16	0.903	0.900	0.866
12-Apr-14	1.246	1.245	1.243	11-Apr-15	0.994	0.996	0.985	9-Apr-16	0.903	0.902	0.869
19-Apr-14	1.251	1.247	1.243	18-Apr-15	0.991	0.995	0.985	16-Apr-16	0.916	0.906	0.873
26-Apr-14	1.251	1.247	1.244	25-Apr-15	0.990	0.994	0.986	23-Apr-16	0.921	0.910	0.877
3-May-14	1.252	1.252	1.252	2-May-15	0.991	0.991	0.991	30-Apr-16	0.940	0.911	0.878
10-May-14	1.252	1.252	1.252	9-May-15	0.989	0.990	0.990	7-May-16	0.925	0.932	0.932
17-May-14	1.252	1.252	1.252	16-May-15	0.989	0.990	0.990	14-May-16	0.905	0.923	0.923
24-May-14	1.252	1.252	1.252	23-May-15	0.992	0.990	0.990	21-May-16	0.903	0.918	0.918
31-May-14	1.252	1.252	1.252	30-May-15	0.991	0.990	0.990	28-May-16	0.904	0.916	0.915
7-Jun-14	1.252	1.252	1.252	6-Jun-15	0.989	0.990	0.990	4-Jun-16	0.896	0.898	0.912
14-Jun-14	1.252	1.252	1.252	13-Jun-15	0.991	0.991	0.990	11-Jun-16	0.892	0.896	0.909
21-Jun-14	1.253	1.252	1.252	20-Jun-15	0.990	0.991	0.990	18-Jun-16	0.886	0.893	0.906
28-Jun-14	1.253	1.253	1.252	27-Jun-15	0.990	0.991	0.990	25-Jun-16	0.867	0.888	0.902
5-Jul-14	1.256	1.255	1.253	4-Jul-15	0.989	0.989	0.990	2-Jul-16	0.878	0.876	0.899
12-Jul-14	1.257	1.256	1.253	11-Jul-15	0.964	0.979	0.988	9-Jul-16	0.877	0.877	0.897
19-Jul-14	1.257	1.256	1.253	18-Jul-15	0.740	0.909	0.967	16-Jul-16	0.878	0.877	0.895
26-Jul-14	1.255	1.256	1.253	25-Jul-15	0.740	0.871	0.950	23-Jul-16	0.884	0.879	0.895
2-Aug-14	1.258	1.258	1.258	1-Aug-15	0.744	0.744	0.744	30-Jul-16	0.903	0.880	0.895
9-Aug-14	1.257	1.257	1.257	8-Aug-15	0.742	0.743	0.743	6-Aug-16	0.895	0.899	0.899
16-Aug-14	1.258	1.257	1.257	15-Aug-15	0.741	0.742	0.742	13-Aug-16	0.889	0.895	0.895
23-Aug-14	1.259	1.258	1.258	22-Aug-15	0.741	0.742	0.742	20-Aug-16	0.888	0.893	0.893
30-Aug-14	1.262	1.258	1.259	29-Aug-15	0.741	0.742	0.742	27-Aug-16	0.888	0.892	0.892
6-Sep-14	1.260	1.261	1.259	5-Sep-15	0.746	0.744	0.742	3-Sep-16	0.888	0.892	0.892
13-Sep-14	1.260	1.260	1.259	12-Sep-15	0.754	0.748	0.744	10-Sep-16	0.888	0.889	0.891
20-Sep-14	1.260	1.260	1.259	19-Sep-15	0.768	0.753	0.747	17-Sep-16	0.889	0.889	0.891
27-Sep-14	1.260	1.260	1.259	26-Sep-15	0.780	0.758	0.751	24-Sep-16	0.882	0.887	0.890
4-Oct-14	1.260	1.260	1.259	3-Oct-15	0.798	0.794	0.755	1-Oct-16	0.887	0.887	0.890
11-Oct-14	1.260	1.260	1.259	10-Oct-15	0.798	0.796	0.759	8-Oct-16	0.886	0.887	0.889
18-Oct-14	1.261	1.260	1.259	17-Oct-15	0.798	0.796	0.762	15-Oct-16	0.889	0.887	0.889
25-Oct-14	1.262	1.261	1.260	24-Oct-15	0.804	0.798	0.766	22-Oct-16	0.891	0.888	0.889
1-Nov-14	1.269	1.269	1.269	31-Oct-15	0.835	0.799	0.766	29-Oct-16	0.889	0.888	0.889
8-Nov-14	1.271	1.270	1.270	7-Nov-15	0.822	0.828	0.828	5-Nov-16	0.883	0.885	0.885
15-Nov-14	1.271	1.270	1.270	14-Nov-15	0.821	0.826	0.826	12-Nov-16	0.887	0.886	0.886
22-Nov-14	1.273	1.271	1.271	21-Nov-15	0.826	0.826	0.826	19-Nov-16	0.885	0.886	0.886
29-Nov-14	1.279	1.272	1.273	28-Nov-15	0.831	0.826	0.827	26-Nov-16	0.883	0.885	0.885
6-Dec-14	1.279	1.279	1.274	5-Dec-15	0.839	0.836	0.829	3-Dec-16	0.886	0.885	0.885
13-Dec-14	1.279	1.279	1.275	12-Dec-15	0.840	0.838	0.830	10-Dec-16	0.889	0.887	0.886
20-Dec-14	1.289	1.282	1.276	19-Dec-15	0.858	0.843	0.834	17-Dec-16	0.915	0.895	0.890
27-Dec-14	1.291	1.283	1.278	26-Dec-15	0.864	0.847	0.837	24-Dec-16	0.921	0.901	0.893
								31-Dec-16	0.941	0.903	0.898

2011	Week Rate	Month Avg	Quarter Avg	2012	Week Rate	Month Avg	Quarter Avg	2013	Week Rate	Month Avg	Quarter Avg
01-Jan-11	1.245	1.245	1.237	7-Jan-12	1.238	1.238	1.237	5-Jan-13	1.257	1.257	1.254
08-Jan-11	1.245	1.245	1.238	14-Jan-12	1.239	1.238	1.237	12-Jan-13	1.256	1.256	1.255
15-Jan-11	1.244	1.245	1.239	21-Jan-12	1.239	1.239	1.238	19-Jan-13	1.254	1.256	1.255
22-Jan-11	1.244	1.245	1.239	28-Jan-12	1.239	1.239	1.238	26-Jan-13	1.252	1.255	1.254
29-Jan-11	1.243	1.244	1.239	4-Feb-12	1.239	1.239	1.239	2-Feb-13	1.252	1.252	1.252
05-Feb-11	1.245	1.245	1.245	11-Feb-12	1.239	1.239	1.239	9-Feb-13	1.251	1.252	1.252
12-Feb-11	1.247	1.246	1.246	18-Feb-12	1.237	1.238	1.238	16-Feb-13	1.251	1.251	1.251
19-Feb-11	1.247	1.246	1.246	25-Feb-12	1.237	1.238	1.238	23-Feb-13	1.250	1.251	1.251
26-Feb-11	1.248	1.246	1.246	3-Mar-12	1.237	1.237	1.238	2-Mar-13	1.250	1.250	1.251
05-Mar-11	1.249	1.248	1.247	10-Mar-12	1.236	1.237	1.238	9-Mar-13	1.250	1.250	1.251
12-Mar-11	1.247	1.248	1.247	17-Mar-12	1.237	1.237	1.237	16-Mar-13	1.250	1.250	1.251
19-Mar-11	1.245	1.247	1.247	24-Mar-12	1.236	1.236	1.237	23-Mar-13	1.249	1.250	1.250
26-Mar-11	1.245	1.247	1.246	31-Mar-12	1.236	1.236	1.237	30-Mar-13	1.249	1.250	1.250
02-Apr-11	1.249	1.248	1.247	7-Apr-12	1.237	1.237	1.237	6-Apr-13	1.248	1.249	1.250
09-Apr-11	1.250	1.249	1.247	14-Apr-12	1.236	1.236	1.237	13-Apr-13	1.248	1.248	1.250
16-Apr-11	1.248	1.248	1.248	21-Apr-12	1.246	1.239	1.238	20-Apr-13	1.248	1.248	1.250
23-Apr-11	1.251	1.249	1.247	28-Apr-12	1.271	1.242	1.239	27-Apr-13	1.248	1.248	1.250
30-Apr-11	1.250	1.249	1.247	5-May-12	1.269	1.269	1.269	4-May-13	1.248	1.248	1.248
07-May-11	1.249	1.249	1.247	12-May-12	1.272	1.271	1.271	11-May-13	1.248	1.248	1.248
14-May-11	1.248	1.249	1.249	19-May-12	1.270	1.270	1.270	18-May-13	1.246	1.247	1.247
21-May-11	1.245	1.248	1.248	26-May-12	1.264	1.269	1.269	25-May-13	1.245	1.247	1.247

29-Jan-05	2.569	2.571	2.592	4-Feb-06	3.631	3.626	3.626	3-Feb-07	4.340	4.340	4.340
5-Feb-05	2.572	2.570	2.570	11-Feb-06	3.660	3.640	3.640	10-Feb-07	4.340	4.340	4.340
12-Feb-05	2.582	2.575	2.575	18-Feb-06	3.713	3.661	3.661	17-Feb-07	4.338	4.340	4.340
19-Feb-05	2.587	2.578	2.578	25-Feb-06	3.772	3.677	3.686	24-Feb-07	4.339	4.339	4.339
26-Feb-05	2.587	2.579	2.580	4-Mar-06	3.833	3.815	3.713	3-Mar-07	4.334	4.335	4.338
5-Mar-05	2.588	2.587	2.581	11-Mar-06	3.838	3.824	3.733	10-Mar-07	4.335	4.335	4.338
12-Mar-05	2.592	2.589	2.583	18-Mar-06	3.858	3.834	3.749	17-Mar-07	4.335	4.335	4.337
19-Mar-05	2.609	2.595	2.587	25-Mar-06	3.888	3.846	3.766	24-Mar-07	4.336	4.335	4.337
26-Mar-05	2.642	2.604	2.593	1-Apr-06	3.942	3.942	3.785	31-Mar-07	4.342	4.335	4.338
2-Apr-05	2.608	2.612	2.595	8-Apr-06	3.973	3.958	3.803	6-Apr-07	4.341	4.341	4.338
9-Apr-05	2.594	2.604	2.595	15-Apr-06	4.035	3.984	3.823	14-Apr-07	4.346	4.343	4.339
16-Apr-05	2.565	2.592	2.592	22-Apr-06	4.079	4.007	3.844	21-Apr-07	4.350	4.345	4.340
23-Apr-05	2.568	2.586	2.590	29-Apr-06	4.144	4.017	3.850	28-Apr-07	4.354	4.346	4.340
30-Apr-05	2.575	2.585	2.590	6-May-06	4.188	4.169	4.169	5-May-07	4.356	4.355	4.355
7-May-05	2.581	2.578	2.578	13-May-06	4.195	4.179	4.179	12-May-07	4.356	4.355	4.355
14-May-05	2.581	2.579	2.579	20-May-06	4.226	4.192	4.192	19-May-07	4.365	4.358	4.358
21-May-05	2.582	2.580	2.580	27-May-06	4.306	4.210	4.216	26-May-07	4.369	4.360	4.361
28-May-05	2.585	2.581	2.581	3-Jun-06	4.317	4.315	4.234	2-Jun-07	4.404	4.400	4.368
4-Jun-05	2.574	2.578	2.580	10-Jun-06	4.356	4.333	4.252	9-Jun-07	4.419	4.409	4.376
11-Jun-05	2.581	2.579	2.580	17-Jun-06	4.383	4.348	4.269	16-Jun-07	4.454	4.423	4.386
18-Jun-05	2.583	2.580	2.580	24-Jun-06	4.417	4.364	4.286	23-Jun-07	4.482	4.437	4.397
25-Jun-05	2.575	2.579	2.580	1-Jul-06	4.442	4.442	4.302	30-Jun-07	4.537	4.441	4.412
2-Jul-05	2.588	2.586	2.581	8-Jul-06	4.402	4.422	4.311	7-Jul-07	4.578	4.559	4.428
9-Jul-05	2.593	2.589	2.582	15-Jul-06	4.336	4.393	4.313	14-Jul-07	4.614	4.578	4.444
16-Jul-05	2.608	2.595	2.584	22-Jul-06	4.321	4.375	4.314	21-Jul-07	4.632	4.592	4.459
23-Jul-05	2.606	2.598	2.586	29-Jul-06	4.326	4.370	4.314	28-Jul-07	4.652	4.600	4.467
30-Jul-05	2.621	2.599	2.586	5-Aug-06	4.321	4.323	4.323	4-Aug-07	4.671	4.665	4.665
6-Aug-05	2.643	2.634	2.634	12-Aug-06	4.326	4.324	4.324	11-Aug-07	4.758	4.703	4.703
13-Aug-05	2.670	2.647	2.647	19-Aug-06	4.328	4.325	4.325	18-Aug-07	4.906	4.763	4.763
20-Aug-05	2.719	2.667	2.667	26-Aug-06	4.330	4.326	4.326	25-Aug-07	4.892	4.792	4.792
27-Aug-05	2.745	2.679	2.683	2-Sep-06	4.329	4.329	4.327	1-Sep-07	4.925	4.925	4.816
3-Sep-05	2.749	2.748	2.695	9-Sep-06	4.325	4.327	4.326	8-Sep-07	4.945	4.935	4.837
10-Sep-05	2.831	2.784	2.715	16-Sep-06	4.333	4.329	4.327	15-Sep-07	5.051	4.974	4.865
17-Sep-05	2.857	2.807	2.734	23-Sep-06	4.325	4.328	4.327	22-Sep-07	4.854	4.944	4.864
24-Sep-05	2.878	2.823	2.750	30-Sep-06	4.332	4.328	4.327	29-Sep-07	4.885	4.940	4.866
1-Oct-05	2.943	2.943	2.770	7-Oct-06	4.329	4.331	4.328	6-Oct-07	4.889	4.887	4.868
8-Oct-05	2.984	2.964	2.790	14-Oct-06	4.329	4.330	4.328	13-Oct-07	4.884	4.886	4.870
15-Oct-05	3.045	2.991	2.812	21-Oct-06	4.332	4.331	4.328	20-Oct-07	4.807	4.865	4.865
22-Oct-05	3.094	3.017	2.834	28-Oct-06	4.329	4.330	4.328	27-Oct-07	4.720	4.841	4.857
29-Oct-05	3.109	3.026	2.843	4-Nov-06	4.335	4.333	4.333	3-Nov-07	4.672	4.682	4.682
5-Nov-05	3.139	3.128	3.128	11-Nov-06	4.325	4.330	4.330	10-Nov-07	4.662	4.674	4.674
12-Nov-05	3.165	3.142	3.142	18-Nov-06	4.325	4.328	4.328	17-Nov-07	4.699	4.681	4.681
19-Nov-05	3.228	3.166	3.166	25-Nov-06	4.323	4.327	4.327	24-Nov-07	4.706	4.687	4.687
26-Nov-05	3.269	3.184	3.189	2-Dec-06	4.323	4.323	4.326	1-Dec-07	4.776	4.776	4.704
3-Dec-05	3.328	3.315	3.214	9-Dec-06	4.324	4.323	4.326	8-Dec-07	4.645	4.711	4.695
10-Dec-05	3.358	3.334	3.236	16-Dec-06	4.331	4.326	4.326	15-Dec-07	4.682	4.701	4.693
17-Dec-05	3.396	3.353	3.257	23-Dec-06	4.334	4.328	4.327	22-Dec-07	4.694	4.699	4.693
24-Dec-05	3.429	3.371	3.277	30-Dec-06	4.334	4.328	4.328	29-Dec-07	4.694	4.699	4.693
31-Dec-05	3.451	3.373	3.295								

2002	Week Rate	Month Avg	Quarter Avg
24-Aug-02	2.949	2.868	2.868
31-Aug-02	3.043	2.874	2.901
7-Sep-02	2.850	2.939	2.893
14-Sep-02	2.874	2.916	2.890
21-Sep-02	2.886	2.908	2.890
28-Sep-02	2.868	2.904	2.888
5-Oct-02	2.885	2.879	2.887
12-Oct-02	2.846	2.866	2.884
19-Oct-02	2.837	2.858	2.880
26-Oct-02	2.819	2.851	2.876
2-Nov-02	2.806	2.807	2.807
9-Nov-02	2.806	2.807	2.807
16-Nov-02	2.822	2.812	2.812
23-Nov-02	2.810	2.811	2.811
30-Nov-02	2.824	2.812	2.814
7-Dec-02	2.819	2.821	2.815
14-Dec-02	2.828	2.824	2.817
21-Dec-02	2.822	2.823	2.817
28-Dec-02	2.817	2.822	2.817

2003	Week Rate	Month Avg	Quarter Avg
4-Jan-03	2.825	2.822	2.818
11-Jan-03	2.823	2.823	2.818
18-Jan-03	2.835	2.826	2.820
25-Jan-03	2.841	2.830	2.821
1-Feb-03	2.868	2.868	2.868
8-Feb-03	2.850	2.859	2.859
15-Feb-03	2.825	2.848	2.848
22-Feb-03	2.880	2.856	2.856
1-Mar-03	3.024	3.024	2.889
8-Mar-03	3.105	3.065	2.925
15-Mar-03	3.139	3.089	2.956
22-Mar-03	3.163	3.108	2.982
29-Mar-03	3.206	3.117	3.007
5-Apr-03	3.173	3.185	3.023
12-Apr-03	3.277	3.221	3.046
19-Apr-03	3.303	3.244	3.068
26-Apr-03	3.309	3.255	3.081
3-May-03	3.312	3.311	3.311
10-May-03	3.312	3.312	3.312
17-May-03	3.321	3.315	3.315
24-May-03	3.279	3.306	3.306
31-May-03	3.301	3.306	3.306
7-Jun-03	3.285	3.293	3.302
14-Jun-03	3.277	3.287	3.299
21-Jun-03	3.187	3.261	3.285
28-Jun-03	3.211	3.256	3.281
5-Jul-03	3.165	3.182	3.266
12-Jul-03	3.245	3.207	3.264
19-Jul-03	2.959	3.137	3.240
26-Jul-03	2.957	3.102	3.221
2-Aug-03	2.992	2.988	2.988
9-Aug-03	2.937	2.964	2.964
16-Aug-03	2.926	2.952	2.952
23-Aug-03	2.834	2.924	2.924
30-Aug-03	2.834	2.918	2.918
6-Sep-03	2.760	2.791	2.882

2004	Week Rate	Month Avg	Quarter Avg
3-Jan-04	2.694	2.702	2.759
10-Jan-04	2.641	2.675	2.748
17-Jan-04	2.557	2.639	2.732
24-Jan-04	2.460	2.597	2.711
31-Jan-04	2.471	2.593	2.708
7-Feb-04	2.442	2.456	2.456
14-Feb-04	2.379	2.429	2.429
21-Feb-04	2.353	2.409	2.409
28-Feb-04	2.296	2.402	2.402
6-Mar-04	2.259	2.274	2.364
13-Mar-04	2.250	2.256	2.344
20-Mar-04	2.171	2.233	2.322
27-Mar-04	2.154	2.220	2.303
3-Apr-04	2.154	2.154	2.288
10-Apr-04	2.078	2.121	2.269
17-Apr-04	2.052	2.100	2.250
24-Apr-04	2.054	2.089	2.235
1-May-04	2.056	2.056	2.056
8-May-04	2.066	2.061	2.061
15-May-04	2.060	2.061	2.061
22-May-04	2.065	2.062	2.062
29-May-04	2.067	2.062	2.063
5-Jun-04	2.080	2.075	2.065
12-Jun-04	2.082	2.078	2.068
19-Jun-04	2.071	2.076	2.068
26-Jun-04	2.066	2.074	2.068
3-Jul-04	2.064	2.064	2.068
10-Jul-04	2.065	2.064	2.067
17-Jul-04	2.072	2.067	2.068
24-Jul-04	2.073	2.068	2.068
31-Jul-04	2.091	2.069	2.068
7-Aug-04	2.066	2.078	2.078
14-Aug-04	2.084	2.080	2.080
21-Aug-04	2.093	2.083	2.083
28-Aug-04	2.193	2.097	2.106
4-Sep-04	2.285	2.257	2.136

13-Sep-03	2.759	2.779	2.865	11-Sep-04	2.338	2.291	2.166
20-Sep-03	2.743	2.770	2.850	18-Sep-04	2.355	2.310	2.190
27-Sep-03	2.692	2.759	2.840	25-Sep-04	2.400	2.328	2.214
4-Oct-03	2.723	2.714	2.822	2-Oct-04	2.455	2.449	2.238
11-Oct-03	2.725	2.718	2.813	9-Oct-04	2.507	2.476	2.263
18-Oct-03	2.746	2.726	2.808	16-Oct-04	2.534	2.495	2.286
25-Oct-03	2.743	2.730	2.803	23-Oct-04	2.578	2.515	2.309
1-Nov-03	2.762	2.762	2.762	30-Oct-05	2.600	2.520	2.315
8-Nov-03	2.826	2.794	2.794	6-Nov-05	2.631	2.618	2.618
15-Nov-03	2.801	2.796	2.796	13-Nov-05	2.649	2.629	2.629
22-Nov-03	2.779	2.792	2.792	20-Nov-05	2.655	2.636	2.636
29-Nov-03	2.747	2.789	2.789	27-Nov-05	2.624	2.635	2.634
6-Dec-03	2.765	2.758	2.780	4-Dec-05	2.568	2.585	2.622
13-Dec-03	2.746	2.753	2.775	11-Dec-05	2.562	2.575	2.613
20-Dec-03	2.738	2.749	2.770	18-Dec-05	2.563	2.572	2.607
27-Dec-03	2.727	2.746	2.767	25-Dec-05	2.569	2.571	2.602