

Parallel-Shift Sensitivity Analysis for HLB-Option and Knockout Advances

The Federal Home Loan Bank of Boston (Bank) is providing estimated valuations of the specific HLB-Option and Knockout advances set forth below for members' information and convenience only. The estimated valuations are generated by models obtained from external sources which are used for the Bank's own asset/liability management purposes. The models include the use of specific assumptions, for example, market volatility and discount curve adjusted for the Bank's spread, to estimate the value of the advance. The valuations represent theoretical market values only and should not be construed as a liquidation price for the HLB-Option or Knockout advance.

It is expressly understood that in providing this valuation information to members, the Bank is not performing any advisory service. The valuations are being provided without representation or warranty and the member shall be solely responsible for any decision it makes or actions it takes based on the valuations provided. It is recommended that institutions maintain independent capabilities to value their asset/liability positions, including HLB-Option and Knockout advances.

The table depicts valuation estimates resulting from immediate parallel interest-rate movements of plus/minus 400 basis points in 100 basis point increments. In order to rule out negative interest rates, our model applies an effective floor of plus ten basis points to the yield curve for all down-rate scenarios. As a result, large down-rate shocks will reflect valuation at the floor rate of ten basis points in place of any negative interest rates that would otherwise be produced by the indicated basis point shocks. Please note that the valuation estimates are from the Federal Home Loan Bank of Boston's perspective. Since the advance is held by the member as a liability, positive price changes in the table correspond to the advance having a negative impact on the member's estimated market value of portfolio equity (and vice versa). The theoretical argument follows that as interest rates rise, the value of the advance to the Bank falls. In the case of an HLB-Option advance, the Bank would be likely to exercise its option to cancel the advance as the value falls below 100. In the case of a Knockout advance, the Bank would automatically terminate the advance on any specified cancellation date if LIBOR is equal to or greater than a predetermined "strike rate" four London Business days prior to the scheduled cancellation date. In either case, the member's cost to prepay the advance increases as interest rates fall.

To identify your advance, locate the appropriate maturity date and then verify the coupon rate. The report is sorted in ascending order by start date, followed by coupon. Once the appropriate structure is determined, read across to view the sensitivity analysis that has been performed on the advance.

If you have any questions or would like further explanation of this analysis, contact the Money Desk at 1-800-357-3452.

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
2/27/1997	2/27/2012	11/29/2010	6.580	109.961	109.961	109.961	108.836	107.299	105.805	104.388	103.098
4/8/1998	4/8/2013	10/8/2010	5.490	114.502	114.502	114.242	111.531	108.937	106.584	104.544	102.856
8/19/1998	8/19/2013	11/19/2010	5.490	116.530	116.530	115.912	112.816	109.898	107.284	105.040	103.189
8/19/1998	8/19/2013	11/19/2010	5.490	116.530	116.530	115.912	112.816	109.898	107.284	105.040	103.189
8/25/1998	8/19/2013	10/25/2010	5.490	116.530	116.530	115.912	112.816	109.896	107.281	105.031	103.178
8/27/1998	8/19/2013	10/27/2010	5.490	116.530	116.530	115.912	112.816	109.895	107.279	105.028	103.173
9/30/1998	9/30/2013	9/30/2010	5.220	116.326	116.326	115.564	112.369	109.393	106.762	104.532	102.730
12/14/1998	12/16/2013	9/14/2010	5.390	118.011	118.011	116.962	113.546	110.381	107.586	105.215	103.281
12/14/1998	12/16/2013	9/14/2010	4.890	116.340	116.340	115.296	111.924	108.842	106.177	103.976	102.263
12/15/1998	12/16/2013	9/15/2010	4.880	116.306	116.306	115.263	111.892	108.811	106.147	103.950	102.241
1/7/2000	1/7/2015	10/7/2010	5.950	126.278	126.278	123.395	118.909	114.847	111.291	108.250	105.721
10/5/2000	10/5/2010	10/5/2010	5.710	100.555	100.555	100.555	100.530	100.433	100.336	100.239	100.143
10/10/2000	10/12/2010	10/12/2010	5.840	100.681	100.681	100.681	100.651	100.535	100.419	100.304	100.189
10/13/2000	10/13/2010	10/13/2010	5.750	100.687	100.687	100.687	100.656	100.537	100.419	100.300	100.183
10/23/2000	10/25/2010	10/25/2010	5.640	100.862	100.862	100.862	100.822	100.671	100.520	100.370	100.220
12/5/2000	12/6/2010	9/7/2010	5.410	101.458	101.458	101.458	101.383	101.115	100.849	100.584	100.321
12/11/2000	12/13/2010	9/13/2010	5.170	101.493	101.493	101.493	101.411	101.124	100.840	100.556	100.275
12/12/2000	12/13/2010	9/13/2010	5.110	101.476	101.476	101.476	101.394	101.107	100.822	100.539	100.258
12/15/2000	12/15/2010	9/15/2010	5.120	101.507	101.507	101.507	101.423	101.131	100.841	100.552	100.265
12/20/2000	12/20/2010	9/20/2010	4.950	101.526	101.526	101.526	101.436	101.131	100.827	100.526	100.226
12/21/2000	12/21/2010	9/21/2010	4.860	101.512	101.512	101.512	101.421	101.113	100.807	100.503	100.200
1/11/2001	1/11/2011	10/11/2010	5.370	101.984	101.984	101.984	101.866	101.501	101.138	100.779	100.421
1/12/2001	1/12/2011	10/12/2010	5.300	101.973	101.973	101.973	101.854	101.486	101.121	100.758	100.398
2/5/2001	2/7/2011	11/5/2010	4.820	102.142	102.142	102.142	101.984	101.544	101.108	100.678	100.294
2/7/2001	2/7/2011	11/8/2010	4.820	102.142	102.142	102.142	101.984	101.544	101.108	100.678	100.292
2/26/2001	2/28/2011	11/26/2010	5.060	102.544	102.544	102.544	102.347	101.844	101.346	100.855	100.406
2/26/2001	2/28/2011	11/26/2010	5.450	102.740	102.740	102.740	102.543	102.039	101.541	101.048	100.576
2/26/2001	2/28/2011	11/26/2010	4.790	102.408	102.408	102.408	102.211	101.709	101.211	100.724	100.293
2/27/2001	2/28/2011	11/29/2010	5.020	102.524	102.524	102.524	102.327	101.824	101.326	100.835	100.388
2/27/2001	2/28/2011	11/29/2010	4.760	102.393	102.393	102.393	102.196	101.694	101.196	100.710	100.279
3/1/2001	3/1/2011	12/1/2010	5.270	102.664	102.664	102.664	102.465	101.959	101.458	100.965	100.506
3/14/2001	3/14/2011	9/14/2010	4.860	102.632	102.632	102.632	102.410	101.870	101.335	100.816	100.353
4/23/2001	4/25/2011	4/24/2006	5.350	103.522	103.522	103.522	103.221	102.564	101.914	101.274	100.641
6/1/2001	6/1/2011	12/1/2010	4.990	103.798	103.798	103.798	103.427	102.670	101.925	101.212	100.594
12/13/2001	12/13/2011	9/13/2010	4.920	106.409	106.409	106.409	105.535	104.237	102.994	101.866	100.938
6/3/2002	6/4/2012	9/3/2010	4.490	108.019	108.019	108.019	106.516	104.731	102.986	101.278	99.608
6/4/2002	6/4/2012	9/4/2010	4.490	108.019	108.019	108.019	106.516	104.731	102.986	101.278	99.608
12/5/2002	12/5/2012	9/7/2010	3.790	108.706	108.706	108.624	106.399	104.122	101.904	99.746	97.645
3/6/2003	3/6/2013	9/7/2010	2.990	107.624	107.624	107.453	104.969	102.840	101.258	100.283	99.975
2/5/2004	12/14/2010	9/14/2010	5.820	101.697	101.697	101.697	101.614	101.324	101.036	100.750	100.465
6/18/2004	6/20/2011	9/18/2010	4.120	103.353	103.353	103.353	102.946	102.139	101.344	100.562	99.791
7/2/2004	7/2/2014	10/4/2010	3.990	115.527	115.527	113.619	109.637	105.797	102.115	98.585	95.198
12/13/2004	12/15/2014	9/13/2010	3.320	114.450	114.450	111.891	108.080	104.988	102.662	101.061	100.207
9/1/2005	9/1/2015	9/1/2010	4.130	120.958	120.958	116.584	111.383	106.430	101.733	97.277	94.255
9/19/2005	9/19/2012	9/20/2010	3.820	107.958	107.958	107.942	106.025	104.054	102.369	101.082	100.259
9/26/2005	9/26/2012	9/27/2010	3.890	108.179	108.179	108.157	106.211	104.215	102.499	101.176	100.295
9/30/2005	9/30/2015	9/30/2010	4.440	122.889	122.873	118.266	112.946	107.881	103.082	98.531	94.216
10/26/2005	10/26/2015	10/26/2010	4.540	123.733	123.703	118.899	113.495	108.354	103.484	98.869	94.496
10/28/2005	10/28/2015	10/28/2010	4.310	122.554	122.523	118.081	113.398	109.439	106.216	103.707	101.861
10/28/2005	10/28/2015	10/28/2010	4.140	121.665	121.634	117.228	112.609	108.734	105.616	103.219	101.492
11/4/2005	11/4/2010	11/4/2010	4.520	100.816	100.816	100.816	100.769	100.591	100.413	100.236	100.060
11/21/2005	11/21/2012	11/22/2010	4.290	109.688	109.688	109.618	107.448	105.290	103.398	101.866	100.761
1/6/2006	1/6/2016	10/6/2010	4.020	121.818	121.750	116.977	112.316	108.445	105.365	103.031	101.375
1/17/2006	1/19/2016	10/18/2010	4.080	122.291	122.216	117.345	112.636	108.713	105.576	103.181	101.467
3/20/2006	3/21/2011	9/21/2010	4.760	102.671	102.671	102.671	102.436	101.877	101.324	100.776	100.235
4/11/2006	4/11/2011	10/12/2010	4.980	103.085	103.085	103.085	102.811	102.193	101.584	100.995	100.470
4/19/2006	4/19/2013	10/19/2010	4.630	112.372	112.372	112.083	109.375	106.839	104.621	102.797	101.407
4/24/2006	4/25/2016	10/25/2010	4.440	125.454	125.035	119.729	114.731	110.510	107.072	104.365	102.344
4/28/2006	4/28/2011	10/28/2010	5.090	103.393	103.393	103.393	103.087	102.422	101.765	101.117	100.477
5/5/2006	5/6/2013	11/5/2010	4.780	112.998	112.998	112.664	109.903	107.315	105.042	103.160	101.707
5/5/2006	5/5/2016	11/5/2010	4.980	128.689	128.214	122.742	117.522	113.038	109.296	106.259	103.873
5/5/2006	5/5/2016	11/5/2010	4.350	125.059	124.594	119.301	114.339	110.168	106.789	104.153	102.210
5/5/2006	5/5/2016	11/5/2010	4.530	126.096	125.628	120.282	115.240	110.974	107.487	104.730	102.657
5/9/2006	5/9/2011	11/9/2010	5.050	103.521	103.521	103.521	103.194	102.499	101.814	101.154	100.572
5/15/2006	5/16/2016	11/15/2010	4.350	125.192	124.677	119.350	114.368	110.179	106.786	104.136	102.178
5/15/2006	5/16/2016	11/15/2010	4.520	126.177	125.658	120.280	115.222	110.943	107.446	104.682	102.603
5/19/2006	5/19/2016	11/19/2010	4.510	126.156	125.625	120.240	115.180	110.900	107.403	104.639	102.561
6/12/2006	6/13/2016	9/13/2010	4.620	127.115	126.448	120.982	115.844	111.487	107.909	105.064	102.902
6/26/2006	6/27/2016	9/27/2010	4.730	127.945	127.189	121.662	116.450	112.013	108.349	105.412	103.152
6/28/2006	6/28/2013	9/28/2010	4.950	114.189	114.189	113.712	110.792	108.057	105.641	103.620	102.028
6/30/2006	7/1/2013	9/30/2010	4.890	114.058	114.058	113.573	110.649	107.918	105.514	103.505	101.932

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
7/14/2006	7/15/2013	10/14/2010	4.890	114.248	114.248	113.725	110.763	108.002	105.577	103.563	101.989
7/19/2006	7/19/2011	10/19/2010	5.250	104.696	104.696	104.696	104.230	103.339	102.465	101.629	100.883
7/20/2006	7/20/2011	10/20/2010	5.300	104.755	104.755	104.755	104.288	103.393	102.515	101.651	100.802
7/24/2006	7/25/2016	10/25/2010	4.660	127.894	126.987	121.430	116.207	111.777	108.133	105.226	103.006
7/28/2006	7/28/2016	10/28/2010	4.490	126.913	125.998	120.488	115.334	110.988	107.442	104.643	102.541
8/1/2006	8/1/2016	11/1/2010	4.890	129.365	128.416	122.782	117.464	112.923	109.155	106.116	103.743
8/11/2006	8/11/2011	11/12/2010	4.790	104.590	104.590	104.590	104.080	103.129	102.201	101.336	100.615
8/21/2006	8/21/2013	11/22/2010	4.750	114.328	114.328	113.706	110.607	107.580	104.653	101.823	99.086
8/25/2006	8/25/2016	11/26/2010	4.350	126.412	125.378	119.843	114.719	110.424	106.947	104.230	102.219
8/28/2006	8/29/2011	9/1/2010	4.890	104.930	104.930	104.930	104.384	103.383	102.402	101.439	100.495
9/22/2006	9/22/2011	9/22/2010	4.790	105.149	105.149	105.149	104.530	103.461	102.424	101.467	100.676
9/29/2006	9/29/2011	9/29/2010	4.590	105.023	105.023	105.023	104.382	103.296	102.244	101.293	100.529
10/10/2006	10/10/2013	10/12/2010	4.250	113.410	113.410	112.618	109.476	106.649	104.280	102.414	101.069
10/12/2006	10/15/2013	10/12/2010	4.500	114.262	114.262	113.449	110.271	107.384	104.924	102.949	101.468
10/30/2006	10/31/2011	10/30/2010	4.850	105.739	105.739	105.739	105.000	103.822	102.666	101.533	100.420
11/3/2006	11/3/2011	11/8/2010	4.690	105.589	105.589	105.589	104.840	103.655	102.492	101.352	100.232
11/6/2006	11/6/2013	11/8/2010	4.290	113.858	113.858	112.968	109.757	106.876	104.460	102.555	101.169
11/10/2006	11/13/2012	11/10/2010	4.390	109.816	109.816	109.753	107.612	105.465	103.574	102.026	100.888
11/17/2006	11/18/2013	11/17/2010	4.350	114.197	114.197	113.261	110.013	107.092	104.631	102.682	101.247
11/24/2006	11/25/2016	11/24/2010	4.190	126.512	124.956	119.326	114.174	109.895	106.467	103.824	101.901
11/30/2006	12/2/2013	9/1/2010	4.350	114.366	114.366	113.370	109.985	106.694	103.521	100.461	98.696
12/1/2006	12/1/2016	12/1/2010	4.090	125.947	124.376	118.788	113.696	109.490	106.148	103.600	101.772
12/4/2006	12/5/2016	9/7/2010	4.080	125.929	124.332	118.743	113.651	109.447	106.107	103.561	101.734
12/5/2006	12/5/2016	9/7/2010	4.260	127.073	125.454	119.789	114.598	110.281	106.811	104.124	102.157
12/6/2006	12/6/2013	9/7/2010	4.400	114.580	114.580	113.578	110.283	107.324	104.829	102.850	101.386
12/8/2006	12/8/2016	9/8/2010	3.990	125.390	123.782	118.231	113.180	109.032	105.752	103.273	101.514
12/12/2006	12/12/2016	9/13/2010	3.990	125.434	123.797	118.242	113.185	109.033	105.747	103.262	101.496
12/12/2006	12/12/2016	9/13/2010	4.050	125.817	124.173	118.590	113.501	109.308	105.978	103.447	101.635
12/19/2006	12/19/2011	9/20/2010	4.490	105.924	105.924	105.924	105.033	103.724	102.484	101.402	100.568
12/19/2006	12/19/2016	9/20/2010	4.190	126.791	125.084	119.428	114.251	109.956	106.517	103.866	101.936
12/20/2006	12/20/2013	9/20/2010	4.500	115.087	115.087	114.032	110.688	107.674	105.117	103.068	101.532
12/21/2006	12/21/2011	9/21/2010	4.530	106.002	106.002	106.002	105.105	103.790	102.542	101.448	100.602
12/27/2006	12/27/2013	9/27/2010	4.500	115.174	115.174	114.094	110.731	107.700	105.129	103.067	101.519
12/28/2006	12/28/2016	9/28/2010	4.250	127.281	125.509	119.811	114.585	110.239	106.744	104.037	102.051
12/28/2006	12/28/2016	9/28/2010	4.400	128.244	126.456	120.694	115.390	110.951	107.354	104.534	102.434
1/8/2007	1/9/2012	10/8/2010	4.750	106.544	106.544	106.544	105.588	104.213	102.865	101.543	100.245
1/12/2007	1/12/2017	10/12/2010	4.420	128.556	126.676	120.894	115.569	111.114	107.505	104.677	102.568
1/16/2007	1/17/2017	1/17/2012	4.790	131.013	129.060	123.122	117.604	112.927	109.050	105.861	103.229
1/23/2007	1/23/2014	10/25/2010	4.490	115.477	115.477	114.299	110.872	107.794	105.192	103.108	101.546
1/23/2007	1/23/2017	10/25/2010	4.460	128.951	127.000	121.176	115.811	111.315	107.664	104.791	102.637
1/29/2007	1/29/2014	10/29/2010	4.790	116.591	116.591	115.378	111.803	108.330	104.988	101.768	99.479
2/2/2007	2/2/2017	11/2/2010	4.690	130.574	128.192	121.372	114.674	108.384	102.496	100.568	99.218
2/9/2007	2/9/2012	11/9/2010	4.750	106.953	106.953	106.953	105.899	104.444	103.068	101.854	100.888
2/9/2007	2/9/2017	11/9/2010	4.470	129.227	127.181	121.325	115.940	111.432	107.772	104.896	102.740
2/12/2007	2/13/2012	11/12/2010	4.880	107.198	107.198	107.198	106.130	104.660	103.264	102.028	101.022
2/15/2007	2/15/2012	11/16/2010	4.990	107.388	107.388	107.388	106.313	104.830	103.376	101.949	100.550
2/20/2007	2/21/2017	11/22/2010	4.390	128.850	126.747	120.889	115.526	111.049	107.429	104.593	102.484
2/20/2007	2/21/2017	2/21/2012	4.850	131.873	129.336	122.448	116.048	110.850	106.904	103.917	101.591
2/23/2007	2/23/2017	11/23/2010	4.250	127.954	125.861	120.056	114.765	110.374	106.847	104.114	102.112
2/23/2007	2/23/2017	11/23/2010	4.350	128.611	126.503	120.656	115.309	110.854	107.258	104.448	102.369
3/2/2007	3/2/2012	9/2/2010	4.490	106.847	106.847	106.847	105.721	104.209	102.803	101.596	100.690
3/9/2007	3/10/2014	9/9/2010	4.450	115.908	115.908	114.547	111.014	107.871	105.231	103.136	101.579
3/16/2007	3/16/2017	9/16/2010	4.090	127.140	124.939	119.185	113.969	109.670	106.253	103.645	101.767
3/20/2007	3/20/2012	9/20/2010	4.550	107.166	107.166	107.166	105.968	104.394	102.852	101.340	99.857
3/21/2007	3/21/2017	9/21/2010	4.220	128.061	125.804	119.981	114.680	110.289	106.768	104.049	102.062
3/23/2007	3/23/2017	9/23/2010	4.290	128.550	126.268	120.410	115.065	110.626	107.052	104.276	102.232
3/23/2007	3/23/2017	9/23/2010	4.290	128.550	126.268	120.410	115.065	110.626	107.052	104.276	102.232
3/30/2007	3/30/2012	9/21/2010	4.670	107.485	107.485	107.485	106.247	104.643	103.073	101.534	100.025
4/2/2007	4/2/2012	10/4/2010	4.590	107.395	107.395	107.395	106.145	104.550	103.070	101.796	100.820
4/9/2007	4/10/2017	10/12/2010	4.150	127.826	125.451	119.646	114.372	110.019	106.547	103.883	101.951
4/12/2007	4/12/2017	10/12/2010	4.250	128.520	126.116	120.258	114.919	110.497	106.949	104.204	102.191
4/13/2007	4/13/2017	10/13/2010	4.450	129.875	127.430	121.478	116.028	111.472	107.782	104.885	102.716
4/23/2007	4/23/2012	10/25/2010	4.650	107.762	107.762	107.762	106.426	104.755	103.120	101.518	99.948
4/23/2007	4/23/2014	10/25/2010	4.620	117.080	117.080	115.517	111.856	108.590	105.824	103.596	101.904
4/27/2007	4/27/2012	10/27/2010	4.550	107.646	107.646	107.646	106.295	104.633	103.096	101.783	100.776
4/27/2007	4/27/2017	10/27/2010	4.250	128.697	126.197	120.307	114.945	110.499	106.931	104.168	102.139
5/2/2007	5/2/2014	11/2/2010	4.590	117.084	117.084	115.482	111.810	108.546	105.795	103.590	101.929
5/4/2007	5/5/2014	11/4/2010	4.550	116.973	116.973	115.359	111.686	108.426	105.684	103.491	101.850
5/14/2007	5/16/2011	11/15/2010	4.500	103.225	103.225	103.225	102.885	102.173	101.473	100.818	100.291
5/18/2007	5/18/2017	11/18/2010	4.190	128.537	125.936	120.033	114.688	110.271	106.740	104.018	102.038
5/22/2007	5/22/2012	11/22/2010	4.690	108.207	108.207	108.207	106.755	105.024	103.424	102.044	100.961

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
5/22/2007	5/22/2012	11/22/2010	4.690	108.207	108.207	108.207	106.755	105.024	103.424	102.044	100.961
5/22/2007	5/22/2012	11/22/2010	4.710	108.242	108.242	108.242	106.789	105.058	103.456	102.073	100.984
5/22/2007	5/22/2017	5/22/2012	4.750	132.404	129.676	123.506	117.840	113.052	109.060	105.722	102.899
5/25/2007	5/25/2012	11/26/2010	4.650	108.176	108.176	108.176	106.712	104.975	103.371	101.992	100.914
5/29/2007	5/30/2017	11/29/2010	4.250	129.087	126.410	120.446	115.047	110.572	106.982	104.197	102.153
6/1/2007	6/1/2012	6/2/2008	5.230	109.297	109.297	109.297	107.799	106.011	104.262	102.551	100.877
6/1/2007	6/2/2014	12/1/2010	4.500	117.136	117.136	115.400	111.674	108.380	105.626	103.432	101.801
6/7/2007	6/7/2012	9/7/2010	4.940	108.864	108.864	108.864	107.344	105.564	103.910	102.475	101.323
6/7/2007	6/7/2017	9/7/2010	4.820	133.095	130.258	124.036	118.322	113.495	109.520	106.332	103.852
6/8/2007	6/8/2012	6/9/2008	5.300	109.525	109.525	109.525	107.996	106.187	104.418	102.687	100.994
6/8/2007	6/9/2014	9/8/2010	4.730	118.104	118.104	116.328	112.546	109.177	106.323	104.010	102.240
6/8/2007	6/8/2017	9/8/2010	4.490	130.842	128.058	121.982	116.444	111.820	108.065	105.114	102.895
6/11/2007	6/12/2017	9/13/2010	4.490	130.892	128.079	121.996	116.452	111.823	108.064	105.108	102.884
6/15/2007	6/16/2014	6/16/2008	5.550	121.351	121.351	119.499	115.461	111.552	107.802	104.203	100.748
6/18/2007	6/19/2017	9/20/2010	4.500	131.048	128.181	122.082	116.520	111.874	108.098	105.126	102.886
6/18/2007	6/19/2017	9/20/2010	4.840	133.394	130.463	124.211	118.465	113.609	109.604	106.384	103.875
6/19/2007	6/19/2017	9/20/2010	4.650	132.083	129.184	123.017	117.373	112.632	108.754	105.668	103.308
6/20/2007	6/20/2012	9/20/2010	4.890	108.951	108.951	108.951	107.378	105.563	103.882	102.423	101.256
6/20/2007	6/20/2012	9/20/2010	4.960	109.079	109.079	109.079	107.505	105.688	104.000	102.530	101.346
6/22/2007	6/22/2017	9/22/2010	4.500	131.086	128.196	122.092	116.523	111.871	108.090	105.114	102.872
6/26/2007	6/26/2012	9/27/2010	5.130	109.476	109.476	109.476	107.875	106.035	104.316	102.803	101.565
6/28/2007	6/28/2017	9/28/2010	4.500	131.161	128.228	122.112	116.533	111.872	108.084	105.100	102.852
7/13/2007	7/13/2012	10/13/2010	4.690	108.884	108.884	108.884	107.221	105.355	103.649	102.195	101.062
7/13/2007	7/13/2017	10/13/2010	4.290	129.885	126.905	120.879	115.414	110.887	107.252	104.431	102.354
7/13/2007	7/13/2017	7/13/2011	4.900	134.135	131.029	124.718	118.911	113.999	109.940	106.659	104.049
7/18/2007	7/18/2017	10/18/2010	4.780	133.365	130.249	123.978	118.226	113.379	109.392	106.200	103.722
7/19/2007	7/19/2012	10/19/2010	4.890	109.345	109.345	109.345	107.654	105.763	104.020	102.514	101.315
7/20/2007	7/20/2017	10/20/2010	4.290	129.968	126.943	120.902	115.425	110.888	107.244	104.414	102.328
7/23/2007	7/23/2012	10/25/2010	5.050	109.707	109.707	109.707	107.998	106.090	104.321	102.776	101.527
7/24/2007	7/24/2012	10/25/2010	4.820	109.278	109.278	109.278	107.568	105.667	103.918	102.415	101.226
7/27/2007	7/27/2012	10/27/2010	4.590	108.874	108.874	108.874	107.155	105.256	103.528	102.065	100.941
7/27/2007	7/28/2014	10/27/2010	4.350	117.242	117.242	115.257	111.423	108.070	105.291	103.104	101.493
7/27/2007	7/27/2017	10/27/2010	4.250	129.772	126.712	120.675	115.210	110.691	107.067	104.261	102.199
7/27/2007	7/27/2017	10/27/2010	4.180	129.281	126.237	120.237	114.816	110.346	106.773	104.023	102.019
7/30/2007	1/30/2019	11/1/2010	3.990	134.068	127.706	120.983	115.121	110.381	106.663	103.863	101.876
7/31/2007	7/31/2017	11/1/2010	3.990	127.995	124.984	119.079	113.774	109.436	106.013	103.434	101.608
7/31/2007	7/31/2017	11/1/2010	3.990	127.995	124.984	119.079	113.774	109.436	106.013	103.434	101.608
7/31/2007	7/31/2017	11/1/2010	4.060	128.486	125.457	119.514	114.163	109.776	106.297	103.657	101.773
8/2/2007	8/4/2014	11/2/2010	4.490	117.884	117.884	115.865	111.997	108.603	105.774	103.529	101.858
8/2/2007	8/2/2017	11/2/2010	4.150	129.140	126.080	120.097	114.702	110.264	106.729	104.019	102.061
8/2/2007	8/2/2017	11/2/2010	4.050	128.438	125.403	119.473	114.142	109.777	106.321	103.692	101.816
8/6/2007	8/6/2012	11/8/2010	4.490	108.805	108.805	108.805	107.048	105.133	103.406	101.965	100.886
8/9/2007	8/11/2014	8/9/2011	4.860	119.452	119.452	117.386	113.435	109.920	106.933	104.473	102.483
8/9/2007	8/9/2017	11/9/2010	3.990	128.094	125.035	119.120	113.817	109.483	106.066	103.483	101.647
8/13/2007	8/13/2012	11/15/2010	4.590	109.090	109.090	109.090	107.304	105.364	103.607	102.127	100.992
8/16/2007	8/16/2017	11/16/2010	3.990	128.172	125.074	119.139	113.824	109.480	106.054	103.463	101.619
8/17/2007	8/17/2012	11/17/2010	4.350	108.663	108.663	108.663	106.865	104.930	103.197	101.774	100.734
8/17/2007	8/17/2012	11/17/2010	4.150	108.265	108.265	108.265	106.470	104.548	102.849	101.490	100.540
8/17/2007	8/17/2017	11/17/2010	4.000	128.254	125.148	119.204	113.882	109.529	106.093	103.492	101.639
8/20/2007	8/20/2014	8/22/2011	4.250	117.117	117.117	115.019	111.118	107.694	104.897	102.663	100.929
8/24/2007	8/24/2012	11/24/2010	4.050	108.144	108.144	108.144	106.324	104.390	102.695	101.355	100.436
8/28/2007	8/28/2014	11/29/2010	4.350	117.616	117.616	115.495	111.594	108.191	105.373	103.159	101.526
8/30/2007	8/30/2012	11/30/2010	4.390	108.901	108.901	108.901	107.051	105.078	103.309	101.844	100.762
8/30/2007	9/2/2014	11/30/2010	3.890	115.807	115.807	113.691	109.880	106.634	104.036	102.083	100.765
8/31/2007	8/31/2012	11/30/2010	4.370	108.873	108.873	108.873	107.018	105.045	103.277	101.817	100.743
9/4/2007	9/4/2012	9/7/2010	4.190	108.554	108.554	108.551	106.684	104.719	102.985	101.597	100.613
9/4/2007	9/4/2012	9/7/2010	4.220	108.615	108.615	108.612	106.745	104.777	103.038	101.640	100.643
9/4/2007	9/5/2017	9/7/2010	3.890	127.682	124.506	118.599	113.337	109.062	105.713	103.203	101.443
9/6/2007	9/7/2010	9/7/2010	4.160	100.081	100.081	100.081	100.076	100.056	100.037	100.017	99.998
9/7/2007	9/7/2012	9/7/2010	4.090	108.384	108.384	108.378	106.502	104.536	102.817	101.459	100.514
9/10/2007	9/11/2017	9/10/2010	3.690	126.320	123.161	117.371	112.236	108.109	104.922	102.592	101.028
9/11/2007	9/13/2010	9/13/2010	4.430	100.160	100.160	100.160	100.151	100.114	100.078	100.042	100.006
9/11/2007	9/11/2017	9/13/2010	3.590	125.607	122.481	116.753	111.689	107.642	104.542	102.308	100.839
9/12/2007	9/12/2014	9/13/2010	3.690	115.097	115.097	112.946	109.175	106.008	103.520	101.713	100.534
9/13/2007	9/15/2014	9/13/2010	3.990	116.358	116.358	114.170	110.316	107.023	104.372	102.360	100.967
9/13/2007	9/13/2017	9/13/2010	3.990	128.482	125.216	119.241	113.899	109.538	106.097	103.497	101.643
9/14/2007	9/14/2011	9/14/2010	4.090	104.306	104.306	104.306	103.713	102.673	101.678	100.815	100.203
9/14/2007	9/14/2012	9/14/2010	4.390	109.084	109.084	109.072	107.163	105.157	103.367	101.895	100.810
9/17/2007	9/17/2012	9/17/2010	4.220	108.768	108.768	108.753	106.835	104.833	103.065	101.644	100.627
9/27/2007	9/27/2010	9/27/2010	4.250	100.319	100.319	100.319	100.299	100.224	100.149	100.074	99.999
9/27/2007	9/29/2014	9/27/2010	4.490	118.582	118.582	116.229	111.955	107.842	103.906	101.028	100.017

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
9/27/2007	9/27/2017	9/27/2010	3.650	126.197	122.937	117.150	112.021	107.906	104.736	102.430	100.889
9/28/2007	9/28/2010	9/28/2010	4.290	100.334	100.334	100.334	100.314	100.236	100.158	100.080	100.002
9/28/2007	9/28/2012	9/28/2010	3.850	108.117	108.117	108.093	106.140	104.143	102.433	101.120	100.269
10/3/2007	10/3/2012	10/4/2010	3.830	108.128	108.128	108.099	106.130	104.131	102.432	101.140	100.318
10/9/2007	10/9/2012	10/9/2009	4.400	109.411	109.411	109.377	107.365	105.229	103.147	101.118	99.138
10/11/2007	10/14/2014	10/12/2010	4.180	117.474	117.474	115.129	111.175	107.771	104.998	102.853	101.306
10/11/2007	10/11/2017	10/12/2010	3.990	128.792	125.341	119.339	113.970	109.591	106.138	103.524	101.664
10/15/2007	10/16/2017	10/15/2010	3.990	128.848	125.364	119.353	113.977	109.592	106.132	103.512	101.647
10/22/2007	10/22/2012	10/22/2010	3.990	108.678	108.678	108.634	106.587	104.525	102.747	101.363	100.435
10/25/2007	10/27/2014	10/25/2011	4.360	118.384	118.384	115.961	111.935	108.441	105.540	103.187	101.269
10/26/2007	10/26/2017	10/26/2010	3.390	124.604	121.272	115.628	110.669	106.756	103.812	101.747	100.488
10/29/2007	10/29/2012	10/29/2010	3.990	108.755	108.755	108.705	106.633	104.553	102.761	101.363	100.426
11/2/2007	11/3/2014	11/2/2010	3.990	116.901	116.901	114.474	110.532	107.180	104.491	102.453	101.042
11/2/2007	11/3/2014	11/2/2010	4.190	117.748	117.748	115.306	111.314	107.884	105.090	102.934	101.382
11/5/2007	11/5/2014	11/5/2010	3.990	116.923	116.923	114.486	110.539	107.182	104.489	102.445	101.031
11/5/2007	11/6/2017	11/5/2012	4.390	131.996	128.275	122.008	116.350	111.606	107.630	104.241	101.286
11/6/2007	11/6/2017	11/8/2010	3.480	125.363	121.951	116.234	111.207	107.222	104.202	102.059	100.704
11/9/2007	11/10/2014	11/9/2011	4.330	118.425	118.425	115.937	111.895	108.398	105.501	103.144	101.208
11/13/2007	11/14/2011	11/15/2010	3.760	104.595	104.595	104.595	103.816	102.615	101.510	100.619	100.054
11/13/2007	11/13/2012	11/15/2010	3.680	108.228	108.228	108.166	106.047	103.978	102.253	100.973	100.175
11/13/2007	11/13/2014	11/15/2010	3.350	114.283	114.283	111.869	108.100	105.026	102.699	101.095	100.158
11/19/2007	11/19/2014	11/19/2010	3.750	116.051	116.051	113.565	109.653	106.373	103.786	101.886	100.645
11/19/2007	11/19/2014	11/19/2010	3.750	116.051	116.051	113.565	109.653	106.373	103.786	101.886	100.645
11/19/2007	11/19/2014	11/21/2011	4.270	118.277	118.277	115.746	111.697	108.203	105.311	102.962	101.027
11/19/2007	11/20/2017	11/19/2012	4.290	131.434	126.722	119.534	113.577	108.968	105.278	102.245	99.633
11/20/2007	11/20/2017	11/22/2010	3.740	127.404	123.815	117.886	112.647	108.428	105.160	102.744	101.105
11/23/2007	11/24/2017	11/23/2011	3.990	129.280	124.546	117.018	110.627	106.186	103.186	101.188	99.648
11/23/2007	11/24/2017	11/23/2011	3.990	129.280	124.546	117.018	110.627	106.186	103.186	101.188	99.648
11/29/2007	11/29/2017	11/29/2010	2.950	121.689	118.399	113.031	108.412	104.892	102.375	100.778	99.927
11/30/2007	11/30/2017	11/30/2010	3.190	123.462	120.052	114.492	109.670	105.917	103.148	101.268	100.160
12/6/2007	12/6/2017	9/7/2010	3.250	123.958	120.488	114.888	110.021	106.224	103.413	101.492	100.374
12/7/2007	12/7/2012	9/7/2010	3.450	107.944	107.944	107.861	105.663	103.585	101.905	100.717	100.120
12/10/2007	12/10/2010	9/10/2010	3.870	101.086	101.086	101.086	101.006	100.729	100.453	100.178	99.996
12/10/2007	12/11/2017	12/10/2010	3.450	125.480	121.887	116.137	111.103	107.118	104.108	101.981	100.625
12/11/2007	12/11/2012	9/13/2010	3.760	108.700	108.700	108.613	106.386	104.248	102.459	101.122	100.274
12/14/2007	12/14/2010	9/14/2010	3.690	101.076	101.076	101.076	100.993	100.704	100.418	100.133	99.978
12/20/2007	12/20/2012	9/10/2010	3.750	108.770	108.770	108.676	106.394	104.077	101.822	99.629	97.493
12/20/2007	12/20/2012	9/20/2010	3.600	108.419	108.419	108.325	106.071	103.936	102.181	100.890	100.167
12/24/2007	12/26/2017	12/24/2012	3.990	129.635	124.646	117.670	112.021	107.592	104.128	101.198	98.615
12/26/2007	12/26/2012	9/27/2010	3.460	108.150	108.150	108.051	105.780	103.654	101.931	100.712	100.086
12/26/2007	12/26/2012	12/27/2010	3.960	109.327	109.327	109.228	106.935	104.733	102.856	101.410	100.418
1/2/2008	1/2/2013	10/4/2010	3.490	108.288	108.288	108.183	105.888	103.752	102.025	100.796	100.107
1/3/2008	1/5/2015	1/3/2011	3.650	116.099	116.099	113.401	109.444	106.164	103.607	101.764	100.545
1/4/2008	1/4/2018	1/4/2011	3.360	125.039	121.336	115.640	110.662	106.749	103.821	101.776	100.471
1/7/2008	1/7/2013	10/7/2010	2.990	107.142	107.142	107.033	104.751	102.717	101.197	100.274	99.905
1/7/2008	1/7/2013	1/7/2011	3.590	108.575	108.575	108.466	106.147	103.981	102.212	100.916	100.078
1/7/2008	1/7/2015	1/7/2011	3.490	115.413	115.413	112.724	108.817	105.612	103.155	101.421	100.304
1/7/2008	1/8/2018	10/7/2010	2.590	119.329	116.016	110.975	106.685	103.541	101.450	100.291	99.869
1/8/2008	1/8/2013	10/8/2010	3.150	107.533	107.533	107.423	105.126	103.047	101.446	100.421	99.959
1/8/2008	1/8/2018	10/8/2010	2.570	119.180	115.878	110.857	106.586	103.465	101.396	100.259	99.854
1/8/2008	1/8/2018	10/8/2010	2.640	119.703	116.357	111.268	106.927	103.728	101.574	100.354	99.888
1/10/2008	1/10/2011	10/12/2010	3.100	101.137	101.137	101.137	101.021	100.660	100.303	100.015	99.871
1/11/2008	1/11/2018	10/12/2010	2.720	120.322	116.913	111.742	107.321	104.032	101.781	100.465	99.915
1/14/2008	1/16/2018	1/14/2011	3.240	124.253	120.533	114.912	110.017	106.202	103.381	101.444	100.229
1/16/2008	1/16/2013	10/18/2010	2.690	106.493	106.493	106.376	104.089	102.129	100.751	100.043	99.806
1/16/2008	1/16/2013	10/18/2010	2.550	106.155	106.155	106.038	103.767	101.858	100.574	99.986	99.784
1/16/2008	1/16/2015	10/18/2010	2.640	111.725	111.725	109.145	105.591	102.910	101.114	100.144	99.805
1/16/2008	1/16/2018	10/18/2010	2.380	117.815	114.600	109.762	105.683	102.774	100.930	100.047	99.768
1/17/2008	1/17/2018	10/18/2010	2.250	116.848	113.724	109.026	105.089	102.342	100.675	99.970	99.746
1/18/2008	1/18/2013	10/18/2010	2.550	106.169	106.169	106.051	103.772	101.860	100.575	99.986	99.784
1/18/2008	1/20/2015	10/18/2010	2.350	110.463	110.463	107.943	104.554	102.109	100.602	99.965	99.758
1/18/2008	1/18/2018	10/18/2010	2.290	117.154	113.995	109.251	105.268	102.470	100.748	99.993	99.753
1/24/2008	1/24/2012	10/25/2010	2.440	103.463	103.463	103.463	102.476	101.183	100.279	99.898	99.734
1/24/2008	1/24/2013	10/25/2010	2.500	106.090	106.090	105.967	103.673	101.771	100.511	99.953	99.745
1/25/2008	1/25/2013	1/25/2011	2.650	106.462	106.462	106.339	103.944	101.696	100.391	99.777	99.365
1/25/2008	1/25/2013	1/25/2011	2.250	105.487	105.487	105.363	102.977	100.607	98.304	96.065	93.889
1/28/2008	1/28/2013	1/28/2011	2.990	107.317	107.317	107.190	104.776	102.434	100.762	99.987	99.505
1/30/2008	1/30/2013	11/1/2010	2.670	106.548	106.548	106.420	104.085	102.109	100.738	100.046	99.758
2/7/2008	2/7/2013	11/8/2010	2.490	106.162	106.162	106.027	103.690	101.782	100.528	99.948	99.684
2/13/2008	2/13/2013	2/14/2011	2.920	107.275	107.275	107.134	104.725	102.646	101.114	100.113	99.461
2/14/2008	2/14/2018	2/14/2012	3.190	124.136	118.775	111.595	106.704	103.485	101.319	99.593	98.079

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
2/19/2008	2/19/2013	11/19/2010	2.590	106.496	106.496	106.350	103.854	101.404	99.024	96.712	94.466
2/22/2008	2/22/2011	2/23/2009	2.500	101.215	101.215	101.215	101.030	100.549	100.072	99.599	99.131
2/25/2008	2/25/2013	2/25/2011	3.090	107.802	107.802	107.649	105.116	102.703	100.955	100.028	99.432
2/25/2008	2/26/2018	11/26/2010	2.420	118.390	114.981	110.035	105.886	102.916	101.010	100.030	99.603
3/7/2008	3/9/2015	3/7/2011	2.890	113.253	113.253	110.383	106.638	103.738	101.691	100.357	99.485
3/7/2008	3/7/2018	3/7/2013	3.550	127.067	122.934	117.004	111.786	107.469	103.826	100.650	97.808
3/10/2008	3/11/2013	9/10/2010	2.390	106.127	106.127	105.944	103.530	101.625	100.426	99.976	99.948
3/11/2008	3/11/2011	9/13/2010	2.090	101.115	101.115	101.115	100.899	100.376	100.015	99.958	99.922
3/12/2008	3/12/2013	9/13/2010	2.010	105.158	105.158	104.973	102.642	100.954	100.098	99.955	99.919
3/14/2008	3/14/2018	9/14/2010	2.400	118.345	114.863	109.948	105.820	102.875	100.996	100.121	99.928
3/17/2008	3/18/2013	3/17/2011	2.690	106.949	106.949	106.747	104.267	102.219	100.770	99.839	99.170
3/17/2008	3/17/2015	3/17/2011	2.620	112.073	112.073	108.831	104.368	101.509	100.293	99.618	99.073
3/17/2008	3/19/2018	3/18/2013	3.300	125.270	121.183	115.428	110.392	106.240	102.725	99.650	96.882
3/25/2008	3/27/2023	3/25/2013	3.150	133.326	120.768	113.186	107.728	103.817	100.774	98.109	95.654
3/26/2008	3/26/2018	3/26/2012	2.980	122.878	117.206	110.288	105.807	102.928	100.810	99.073	97.507
3/28/2008	3/28/2013	3/28/2011	2.820	107.363	107.363	107.135	104.519	102.159	100.646	99.779	99.151
3/28/2008	3/28/2013	3/28/2011	2.800	107.310	107.310	107.082	104.468	102.114	100.620	99.761	99.138
3/28/2008	3/28/2018	9/28/2010	2.020	115.518	112.273	107.802	104.105	101.639	100.279	99.904	99.827
3/28/2008	3/28/2018	3/28/2011	2.770	121.281	117.448	112.146	107.624	104.241	101.891	100.368	99.377
3/31/2008	3/31/2011	9/30/2010	1.990	101.172	101.172	101.172	100.921	100.349	99.985	99.895	99.812
4/14/2008	4/14/2015	4/14/2011	2.750	112.886	112.886	109.463	104.938	101.877	100.484	99.665	99.022
4/28/2008	4/28/2015	4/28/2011	3.250	115.355	115.355	112.144	108.158	104.966	102.581	100.901	99.725
4/28/2008	4/30/2018	10/28/2010	2.150	116.714	113.211	108.554	104.687	102.037	100.497	99.889	99.676
4/30/2008	4/30/2018	4/30/2013	3.740	129.076	123.102	116.452	111.001	106.721	103.163	100.089	97.322
5/2/2008	5/4/2015	5/2/2011	3.990	118.918	118.918	115.550	111.282	107.687	104.695	102.141	100.040
5/5/2008	5/5/2015	5/5/2011	3.170	115.039	115.039	111.817	107.870	104.736	102.422	100.795	99.640
5/8/2008	5/8/2015	11/8/2010	2.960	114.067	114.067	110.881	107.031	104.038	101.899	100.586	99.929
5/19/2008	5/19/2015	5/21/2012	4.700	122.480	122.480	118.765	113.949	109.697	105.700	101.786	98.159
5/19/2008	5/21/2018	5/20/2013	3.890	130.469	124.320	117.531	111.898	107.482	103.789	100.591	97.717
5/23/2008	5/23/2013	5/23/2011	4.040	111.177	111.177	110.799	108.033	105.498	103.231	101.164	99.412
5/23/2008	5/23/2018	5/23/2011	3.270	125.631	121.207	115.386	110.368	106.450	103.538	101.461	99.988
5/27/2008	5/27/2011	5/27/2011	3.220	102.406	102.406	102.406	102.047	101.309	100.581	99.864	99.157
5/27/2008	5/28/2013	5/27/2011	3.490	109.703	109.703	109.312	106.504	103.876	101.859	100.481	99.507
5/29/2008	5/29/2018	5/31/2011	3.460	127.178	120.963	112.990	106.481	102.914	101.116	100.119	99.341
6/6/2008	6/6/2013	6/6/2011	3.990	111.193	111.193	110.777	107.927	105.195	102.845	100.956	99.292
6/10/2008	6/11/2012	9/10/2010	3.940	107.113	107.113	107.113	105.586	103.751	101.757	99.508	96.926
6/16/2008	6/17/2013	6/16/2011	4.070	111.542	111.542	111.096	108.210	105.448	103.140	101.397	100.153
6/24/2008	6/24/2015	6/24/2011	3.830	118.702	118.702	115.073	110.768	107.191	104.365	102.219	100.606
6/30/2008	7/1/2013	9/30/2010	2.920	108.394	108.394	107.916	105.175	102.890	101.228	100.230	99.889
6/30/2008	7/1/2013	9/30/2010	3.450	109.918	109.918	109.437	106.625	104.166	102.225	100.846	100.124
6/30/2008	6/30/2015	9/30/2010	3.370	116.512	116.512	112.945	108.825	105.508	102.996	101.247	100.250
6/30/2008	7/2/2018	6/30/2011	3.690	129.333	122.825	114.698	107.980	103.855	101.694	100.421	99.485
7/1/2008	7/1/2015	7/1/2011	4.600	122.551	122.551	118.555	113.491	108.904	105.083	102.119	99.675
7/7/2008	7/8/2013	7/7/2011	4.590	113.285	113.285	112.780	109.815	106.941	104.284	101.903	99.725
7/8/2008	7/8/2013	7/8/2011	4.250	112.301	112.301	111.797	108.844	106.011	103.530	101.407	99.585
7/10/2008	7/10/2014	7/10/2012	4.800	118.786	118.786	116.830	112.846	109.219	105.820	102.329	98.760
7/11/2008	7/11/2018	7/11/2012	3.750	129.904	123.323	115.779	110.085	106.066	103.037	100.623	98.552
7/14/2008	7/14/2015	7/15/2013	4.900	124.199	124.199	120.186	115.309	110.770	106.226	101.489	96.660
7/14/2008	7/16/2018	10/14/2010	2.500	119.970	115.800	110.693	106.397	103.291	101.261	100.176	99.807
7/14/2008	7/16/2018	7/14/2011	3.250	125.962	121.229	115.391	110.353	106.434	103.512	101.393	99.833
7/17/2008	7/17/2018	7/17/2013	3.750	129.966	123.398	116.840	111.340	106.915	103.189	99.937	96.994
7/21/2008	7/22/2013	10/21/2010	3.000	108.799	108.799	108.261	105.312	102.453	100.443	99.984	99.831
8/15/2008	8/15/2018	8/15/2011	3.830	130.914	125.678	119.321	113.765	109.295	105.804	103.154	101.135
8/19/2008	8/19/2013	11/19/2010	3.440	110.357	110.357	109.744	106.701	103.737	100.872	98.103	95.424
9/8/2008	9/9/2013	9/8/2010	2.890	108.870	108.870	108.203	105.316	102.957	101.269	100.262	99.970
5/13/2009	5/13/2014	5/13/2013	4.000	115.010	115.010	113.377	109.628	105.757	101.303	96.653	92.367
9/28/2009	9/30/2013	9/28/2012	2.920	109.132	109.132	108.389	105.255	101.462	97.557	94.233	91.521
5/11/2010	5/11/2015	5/11/2015	3.700	117.615	117.615	113.771	108.251	102.576	96.599	90.458	84.587
5/24/2010	5/26/2015	5/24/2011	2.250	110.805	110.805	107.137	102.408	97.907	93.630	93.598	91.135
6/15/2010	6/15/2015	6/15/2011	2.280	111.076	111.076	107.279	102.496	98.353	97.945	94.621	93.623