

## **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	Next Call	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
	Date	Date									
2/27/1997	2/27/2012	2/27/2012	6.580	101.060	101.060	101.060	101.044	100.882	100.721	100.560	100.399
4/8/1998	4/8/2013	1/9/2012	5.490	107.076	107.076	107.076	106.523	105.224	103.965	102.784	101.743
8/19/1998	8/19/2013	2/21/2012	5.490	109.104	109.104	109.104	108.299	106.625	105.019	103.537	102.241
8/19/1998	8/19/2013	2/21/2012	5.490	109.104	109.104	109.104	108.299	106.625	105.019	103.537	102.241
8/25/1998	8/19/2013	1/25/2012	5.490	109.104	109.104	109.104	108.299	106.625	105.018	103.535	102.235
8/27/1998	8/19/2013	1/27/2012	5.490	109.104	109.104	109.104	108.299	106.625	105.019	103.537	102.241
9/30/1998	9/30/2013	3/30/2012	5.220	109.265	109.265	109.265	108.373	106.587	104.894	103.358	102.048
12/14/1998	12/16/2013	3/14/2012	5.390	110.720	110.720	110.720	109.647	107.643	105.748	104.031	102.552
12/14/1998	12/16/2013	3/14/2012	4.890	109.725	109.725	109.725	108.658	106.672	104.818	103.176	101.827
12/15/1998	12/16/2013	3/15/2012	4.880	109.705	109.705	109.705	108.638	106.652	104.799	103.157	101.809
1/7/2000	1/7/2015	1/9/2012	5.950	118.229	118.229	118.229	115.837	112.759	109.926	107.392	105.202
6/3/2002	6/4/2012	3/3/2012	4.490	101.946	101.946	101.946	101.851	101.421	100.995	100.572	100.152
6/4/2002	6/4/2012	3/6/2012	4.490	101.946	101.946	101.946	101.851	101.421	100.995	100.572	100.152
12/5/2002	12/5/2012	3/6/2012	3.790	103.579	103.579	103.579	103.235	102.302	101.385	100.485	99.601
3/6/2003	3/6/2013	3/6/2012	2.990	103.579	103.579	103.579	103.090	101.932	100.936	100.241	99.860
7/2/2004	7/2/2014	1/3/2012	3.990	110.130	110.130	110.130	108.494	105.939	103.459	101.050	98.710
12/13/2004	12/15/2014	3/13/2012	3.320	109.959	109.959	109.959	107.813	105.170	103.003	101.383	100.363
9/1/2005	9/1/2015	3/1/2012	4.130	115.372	115.372	115.372	111.700	107.948	104.344	100.883	97.557
9/19/2005	9/19/2012	3/19/2012	3.820	102.791	102.791	102.791	102.560	101.838	101.137	100.516	100.062
9/26/2005	9/26/2012	3/26/2012	3.890	102.917	102.917	102.917	102.677	101.935	101.214	100.568	100.083
9/30/2005	9/30/2015	3/30/2012	4.440	116.883	116.883	116.883	113.017	109.162	105.462	101.910	98.500
10/26/2005	10/26/2015	1/26/2012	4.540	117.591	117.591	117.544	113.558	109.625	105.852	102.232	98.759
10/28/2005	10/28/2015	1/30/2012	4.310	116.724	116.724	116.673	112.959	109.508	106.548	104.111	102.230
10/28/2005	10/28/2015	1/30/2012	4.140	116.064	116.064	116.013	112.330	108.925	106.023	103.660	101.868
11/21/2005	11/21/2012	2/21/2012	4.290	103.885	103.885	103.885	103.561	102.665	101.799	101.010	100.388
1/17/2006	1/19/2016	1/17/2012	4.080	116.772	116.772	116.497	112.632	109.107	106.128	103.721	101.912
4/19/2006	4/19/2013	1/19/2012	4.630	106.109	106.109	106.109	105.539	104.220	102.957	101.822	100.887
4/24/2006	4/25/2016	1/24/2012	4.440	119.448	119.448	118.920	114.735	110.912	107.649	104.963	102.859
5/5/2006	5/5/2016	2/6/2012	4.350	119.175	119.175	118.623	114.444	110.642	107.415	104.778	102.733
5/5/2006	5/5/2016	2/6/2012	4.530	119.969	119.969	119.413	115.192	111.334	108.031	105.307	103.155
5/15/2006	5/16/2016	2/15/2012	4.350	119.308	119.308	118.725	114.515	110.685	107.437	104.777	102.716
5/15/2006	5/16/2016	2/15/2012	4.520	120.063	120.063	119.475	115.226	111.344	108.021	105.281	103.117
5/19/2006	5/19/2016	2/21/2012	4.510	120.056	120.056	119.460	115.205	111.318	107.992	105.250	103.084
6/12/2006	6/13/2016	3/12/2012	4.620	120.866	120.866	120.203	115.860	111.898	108.493	105.675	103.427
6/26/2006	6/27/2016	3/26/2012	4.730	121.547	121.547	120.846	116.432	112.403	108.924	106.023	103.686
6/28/2006	6/28/2013	3/28/2012	4.950	107.493	107.493	107.493	106.794	105.275	103.822	102.502	101.395
6/30/2006	7/1/2013	3/30/2012	4.890	107.443	107.443	107.443	106.739	105.213	103.760	102.450	101.357
7/14/2006	7/15/2013	1/17/2012	4.890	107.633	107.633	107.633	106.902	105.337	103.849	102.507	101.392
7/24/2006	7/25/2016	1/24/2012	4.660	121.590	121.590	120.812	116.346	112.287	108.794	105.895	103.575
7/28/2006	7/28/2016	1/30/2012	4.490	120.840	120.840	120.058	115.626	111.611	108.184	105.365	103.142
8/1/2006	8/1/2016	2/1/2012	4.890	122.751	122.751	121.948	117.424	113.290	109.717	106.713	104.282
8/21/2006	8/21/2013	2/1/2012	4.750	107.903	107.903	107.903	107.098	105.423	103.783	102.176	100.602
8/25/2006	8/25/2016	2/27/2012	4.350	120.528	120.528	119.667	115.210	111.191	107.791	105.014	102.857
10/10/2006	10/10/2013	1/10/2012	4.250	107.661	107.661	107.661	106.754	104.974	103.337	101.946	100.876
10/12/2006	10/15/2013	1/12/2012	4.500	108.175	108.175	108.175	107.254	105.451	103.773	102.317	101.159
11/6/2006	11/6/2013	2/6/2012	4.290	108.055	108.055	108.055	107.088	105.234	103.523	102.052	100.886
11/10/2006	11/13/2012	2/10/2012	4.390	103.878	103.878	103.878	103.566	102.692	101.845	101.069	100.444
11/17/2006	11/18/2013	2/17/2012	4.350	108.313	108.313	108.313	107.317	105.429	103.688	102.201	101.035
11/24/2006	11/25/2016	2/24/2012	4.190	120.844	120.844	119.700	115.083	110.968	107.526	104.744	102.617
11/30/2006	12/2/2013	2/28/2012	4.350	108.482	108.482	108.482	107.452	105.491	103.576	101.705	100.103
12/1/2006	12/1/2016	3/1/2012	4.090	120.415	120.415	119.261	114.679	110.609	107.229	104.519	102.477
12/4/2006	12/5/2016	3/5/2012	4.080	120.410	120.410	119.242	114.653	110.581	107.200	104.491	102.450
12/5/2006	12/5/2016	3/5/2012	4.260	121.310	121.310	120.132	115.480	111.336	107.859	105.048	102.889
12/6/2006	12/6/2013	3/6/2012	4.400	108.628	108.628	108.628	107.591	105.654	103.874	102.351	101.162
12/8/2006	12/8/2016	3/8/2012	3.990	119.993	119.993	118.821	114.254	110.213	106.872	104.205	102.219
12/12/2006	12/12/2016	3/12/2012	3.990	120.037	120.037	118.852	114.273	110.223	106.876	104.203	102.211
12/12/2006	12/12/2016	3/12/2012	4.050	120.339	120.339	119.148	114.549	110.473	107.094	104.388	102.356
12/19/2006	12/19/2016	3/19/2012	4.190	121.123	121.123	119.898	115.231	111.082	107.615	104.817	102.681
12/20/2006	12/20/2013	3/20/2012	4.500	108.999	108.999	108.999	107.927	105.947	104.120	102.541	101.291
12/28/2006	12/28/2016	3/28/2012	4.250	121.532	121.532	120.271	115.557	111.365	107.848	105.000	102.809
12/28/2006	12/28/2016	3/28/2012	4.400	122.292	122.292	121.021	116.258	112.011	108.416	105.484	103.192
1/8/2007	1/9/2012	1/9/2012	4.750	100.119	100.119	100.119	100.117	100.092	100.068	100.044	100.020
1/12/2007	1/12/2017	1/12/2012	4.420	122.577	122.577	121.250	116.457	112.190	108.577	105.634	103.330
1/16/2007	1/17/2017	1/17/2012	4.790	124.534	124.534	123.161	118.249	113.826	110.040	106.879	104.332
1/23/2007	1/23/2014	1/23/2012	4.490	109.404	109.404	109.404	108.246	106.177	104.277	102.638	101.338
1/23/2007	1/23/2017	1/23/2012	4.460	122.918	122.918	121.542	116.708	112.402	108.749	105.763	103.414
1/29/2007	1/29/2014	1/29/2012	4.790	110.112	110.112	110.112	108.932	106.799	104.720	102.691	100.712
2/2/2007	2/2/2017	2/2/2012	4.690	124.230	124.230	122.655	117.226	111.980	107.009	102.295	98.994
2/9/2007	2/9/2012	2/9/2012	4.750	100.528	100.528	100.528	100.517	100.408	100.298	100.189	100.081

Start Date	Maturity		Coupon	-300	-200	-100	Base	+100	+200	+300	+400
	Date	Next Call Date									
2/9/2007	2/9/2017	2/9/2012	4.470	123.180	123.180	121.739	116.873	112.543	108.874	105.877	103.518
2/12/2007	2/13/2012	2/13/2012	4.880	100.596	100.596	100.596	100.585	100.464	100.343	100.222	100.102
2/15/2007	2/15/2012	2/15/2012	4.990	100.638	100.638	100.638	100.625	100.498	100.372	100.245	100.120
2/20/2007	2/21/2017	2/21/2012	4.850	125.313	125.313	123.647	118.137	112.815	107.791	103.535	101.007
2/20/2007	2/21/2017	2/21/2012	4.390	122.912	122.912	121.426	116.556	112.230	108.580	105.608	103.285
2/23/2007	2/23/2017	2/23/2012	4.250	122.205	122.205	120.722	115.895	111.620	108.037	105.140	102.911
2/23/2007	2/23/2017	2/23/2012	4.350	122.727	122.727	121.236	116.374	112.058	108.423	105.469	103.171
3/2/2007	3/2/2012	3/2/2012	4.490	100.773	100.773	100.773	100.756	100.583	100.411	100.239	100.069
3/16/2007	3/16/2017	3/16/2012	4.090	121.607	121.607	120.056	115.252	111.018	107.506	104.691	102.563
3/20/2007	3/20/2012	3/30/2012	4.550	101.011	101.011	101.011	100.986	100.764	100.544	100.324	100.106
3/21/2007	3/21/2017	3/21/2012	4.220	122.353	122.353	120.768	115.900	111.601	108.006	105.107	102.884
3/23/2007	3/23/2017	3/23/2012	4.290	122.747	122.747	121.148	116.249	111.917	108.281	105.336	103.059
3/23/2007	3/23/2017	3/23/2012	4.290	122.747	122.747	121.148	116.249	111.917	108.281	105.336	103.059
3/30/2007	3/30/2012	3/30/2012	4.670	101.167	101.167	101.167	101.138	100.889	100.642	100.396	100.151
4/2/2007	4/2/2012	1/3/2012	4.590	101.186	101.186	101.186	101.154	100.897	100.642	100.388	100.135
4/9/2007	4/10/2017	1/9/2012	4.150	122.213	122.213	120.555	115.681	111.392	107.824	104.961	102.784
4/12/2007	4/12/2017	1/12/2012	4.250	122.771	122.771	121.094	116.175	111.839	108.210	105.282	103.031
4/13/2007	4/13/2017	1/13/2012	4.450	123.855	123.855	122.153	117.160	112.738	109.002	105.952	103.555
4/23/2007	4/23/2012	1/23/2012	4.650	101.472	101.472	101.472	101.424	101.108	100.795	100.483	100.174
4/23/2007	4/23/2014	1/23/2012	4.620	110.831	110.831	110.831	109.419	107.106	104.999	103.180	101.728
4/27/2007	4/27/2012	1/27/2012	4.550	101.491	101.491	101.491	101.440	101.113	100.788	100.466	100.162
4/27/2007	4/27/2017	1/27/2012	4.250	122.949	122.949	121.201	116.246	111.880	108.222	105.267	102.990
5/2/2007	5/2/2014	2/2/2012	4.590	110.875	110.875	110.875	109.438	107.109	104.998	103.187	101.753
5/4/2007	5/5/2014	2/6/2012	4.550	110.818	110.818	110.818	109.372	107.039	104.927	103.118	101.690
5/18/2007	5/18/2017	2/21/2012	4.190	122.869	122.869	121.034	116.071	111.707	108.066	105.137	102.896
5/22/2007	5/22/2012	2/22/2012	4.690	101.863	101.863	101.863	101.784	101.389	100.997	100.610	100.257
5/22/2007	5/22/2012	2/22/2012	4.690	101.863	101.863	101.863	101.784	101.389	100.997	100.610	100.257
5/22/2007	5/22/2017	5/22/2012	4.750	125.978	125.978	124.062	118.891	114.273	110.339	107.067	104.436
5/25/2007	5/25/2012	2/27/2012	4.650	101.886	101.886	101.886	101.803	101.400	101.001	100.606	100.249
5/29/2007	5/30/2017	2/29/2012	4.250	123.338	123.338	121.439	116.427	112.017	108.321	105.338	103.036
6/1/2007	6/1/2012	3/1/2012	5.230	102.223	102.223	102.223	102.132	101.709	101.290	100.875	100.463
6/1/2007	6/2/2014	3/1/2012	4.500	111.049	111.049	111.049	109.518	107.119	104.960	103.122	101.685
6/7/2007	6/7/2017	3/7/2012	4.820	126.575	126.575	124.579	119.363	114.698	110.724	107.412	104.746
6/8/2007	6/9/2014	3/8/2012	4.730	111.706	111.706	111.706	110.146	107.709	105.497	103.588	102.056
6/8/2007	6/8/2017	3/8/2012	4.490	124.768	124.768	122.804	117.696	113.175	109.357	106.237	103.772
6/11/2007	6/12/2017	3/12/2012	4.490	124.818	124.818	122.834	117.716	113.188	109.364	106.239	103.770
6/15/2007	6/16/2014	3/15/2012	5.550	113.844	113.844	113.844	112.237	109.680	107.195	104.780	102.433
6/18/2007	6/19/2017	3/19/2012	4.500	124.961	124.961	122.942	117.801	113.254	109.412	106.269	103.781
6/18/2007	6/19/2017	3/19/2012	4.840	126.847	126.847	124.789	119.533	114.835	110.831	107.488	104.791
6/19/2007	6/19/2017	3/19/2012	4.650	125.793	125.793	123.757	118.564	113.947	110.031	106.796	104.210
6/20/2007	6/20/2012	3/20/2012	4.890	102.336	102.336	102.336	102.222	101.747	101.276	100.813	100.391
6/22/2007	6/22/2017	3/22/2012	4.500	124.998	124.998	122.965	117.816	113.261	109.413	106.262	103.768
6/26/2007	6/26/2012	3/26/2012	5.130	102.536	102.536	102.536	102.415	101.922	101.434	100.953	100.502
6/28/2007	6/28/2017	3/28/2012	4.500	125.073	125.073	123.012	117.845	113.278	109.419	106.259	103.756
7/13/2007	7/13/2012	1/13/2012	4.690	102.540	102.540	102.540	102.398	101.860	101.327	100.814	100.355
7/13/2007	7/13/2017	1/13/2012	4.900	127.506	127.506	125.325	120.002	115.244	111.187	107.793	105.049
7/13/2007	7/13/2017	1/13/2012	4.290	124.082	124.082	121.981	116.874	112.393	108.642	105.612	103.267
7/18/2007	7/18/2017	1/18/2012	4.780	126.899	126.899	124.705	119.411	114.691	110.683	107.345	104.659
7/19/2007	7/19/2012	1/19/2012	4.890	102.730	102.730	102.730	102.580	102.025	101.476	100.943	100.456
7/20/2007	7/20/2017	1/20/2012	4.290	124.165	124.165	122.028	116.905	112.410	108.646	105.603	103.247
7/23/2007	7/23/2012	1/23/2012	5.050	102.876	102.876	102.876	102.721	102.155	101.595	101.047	100.540
7/27/2007	7/27/2012	1/27/2012	4.590	102.665	102.665	102.665	102.505	101.929	101.360	100.813	100.323
7/27/2007	7/28/2014	1/27/2012	4.350	111.358	111.358	111.358	109.645	107.120	104.864	102.963	101.489
7/27/2007	7/27/2017	1/27/2012	4.250	124.023	124.023	121.855	116.732	112.242	108.488	105.457	103.120
7/30/2007	1/30/2019	1/30/2012	3.990	128.671	128.671	123.640	117.781	112.797	108.714	105.476	103.028
7/31/2007	7/31/2017	1/31/2012	3.990	122.597	122.597	120.456	115.443	111.070	107.463	104.588	102.430
7/31/2007	7/31/2017	1/31/2012	3.990	122.597	122.597	120.456	115.443	111.070	107.463	104.588	102.430
7/31/2007	7/31/2017	1/31/2012	4.060	122.994	122.994	120.841	115.797	111.391	107.741	104.823	102.614
8/2/2007	8/4/2014	2/2/2012	4.490	111.811	111.811	111.811	110.071	107.522	105.243	103.315	101.805
8/2/2007	8/2/2017	2/2/2012	4.150	123.527	123.527	121.353	116.279	111.843	108.160	105.212	102.965
8/2/2007	8/2/2017	2/2/2012	4.050	122.960	122.960	120.802	115.772	111.384	107.761	104.877	102.702
8/6/2007	8/6/2012	2/6/2012	4.490	102.731	102.731	102.731	102.559	101.956	101.362	100.798	100.324
8/9/2007	8/11/2014	2/9/2012	4.860	112.878	112.878	112.878	111.103	108.498	106.137	104.098	102.437
8/9/2007	8/9/2017	2/9/2012	3.990	122.697	122.697	120.512	115.492	111.120	107.522	104.663	102.522
8/13/2007	8/13/2012	2/13/2012	4.590	102.881	102.881	102.881	102.700	102.078	101.465	100.879	100.377
8/16/2007	8/16/2017	2/16/2012	3.990	122.775	122.775	120.553	115.517	111.132	107.521	104.650	102.497
8/17/2007	8/17/2012	2/17/2012	4.350	102.779	102.779	102.779	102.592	101.960	101.338	100.751	100.273
8/17/2007	8/17/2012	2/17/2012	4.150	102.651	102.651	102.651	102.465	101.833	101.213	100.632	100.181
8/17/2007	8/17/2017	2/17/2012	4.000	122.843	122.843	120.614	115.572	111.180	107.561	104.681	102.520

Start Date	Maturity	Next Call	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
	Date	Date									
8/20/2007	8/20/2014	8/20/2012	4.250	111.368	111.368	111.368	109.566	106.964	104.625	102.682	101.166
8/24/2007	8/24/2012	2/24/2012	4.050	102.666	102.666	102.666	102.471	101.820	101.182	100.589	100.140
8/28/2007	8/28/2014	2/28/2012	4.350	111.732	111.732	111.732	109.912	107.314	105.001	103.054	101.545
8/30/2007	8/30/2012	2/29/2012	4.390	102.963	102.963	102.963	102.759	102.091	101.435	100.815	100.304
8/30/2007	9/2/2014	2/29/2012	3.890	110.546	110.546	110.546	108.727	106.179	103.964	102.189	100.893
9/4/2007	9/4/2012	3/5/2012	4.220	102.907	102.907	102.907	102.697	102.015	101.350	100.734	100.250
9/4/2007	9/5/2017	3/5/2012	3.890	122.420	122.420	120.126	115.115	110.763	107.209	104.400	102.324
9/7/2007	9/7/2012	3/7/2012	4.090	102.851	102.851	102.851	102.637	101.948	101.276	100.659	100.186
9/10/2007	9/11/2017	3/12/2012	3.690	121.329	121.329	119.049	114.115	109.871	106.428	103.747	101.807
9/11/2007	9/11/2017	3/12/2012	3.590	120.751	120.751	118.494	113.608	109.424	106.044	103.443	101.578
9/12/2007	9/12/2014	3/12/2012	3.690	110.106	110.106	110.106	108.265	105.730	103.572	101.885	100.717
9/13/2007	9/15/2014	3/13/2012	3.990	110.961	110.961	110.961	109.094	106.507	104.252	102.430	101.079
9/13/2007	9/13/2017	3/13/2012	3.990	123.085	123.085	120.731	115.652	111.233	107.600	104.713	102.550
9/17/2007	9/17/2012	3/19/2012	4.220	103.059	103.059	103.059	102.831	102.113	101.412	100.764	100.249
9/27/2007	9/29/2014	9/27/2010	4.490	112.509	112.509	112.509	110.542	107.719	104.983	102.332	99.762
9/27/2007	9/27/2017	3/27/2012	3.650	121.260	121.260	118.913	113.958	109.709	106.263	103.591	101.656
9/28/2007	9/28/2012	3/28/2012	3.850	102.909	102.909	102.909	102.665	101.919	101.193	100.547	100.067
10/3/2007	10/3/2012	4/3/2012	3.830	102.947	102.947	102.947	102.696	101.936	101.203	100.561	100.134
10/9/2007	10/9/2012	10/9/2009	4.400	103.459	103.459	103.459	103.199	102.420	101.653	100.897	100.153
10/11/2007	10/14/2014	1/11/2012	4.180	111.819	111.819	111.819	109.840	107.162	104.813	102.878	101.410
10/11/2007	10/11/2017	1/11/2012	3.990	123.395	123.395	120.910	115.783	111.332	107.674	104.769	102.591
10/15/2007	10/16/2017	1/17/2012	3.990	123.451	123.451	120.938	115.802	111.342	107.677	104.765	102.579
10/22/2007	10/22/2012	1/23/2012	3.990	103.280	103.280	103.280	103.002	102.190	101.405	100.697	100.187
10/25/2007	10/27/2014	1/25/2012	4.360	112.486	112.486	112.486	110.448	107.711	105.291	103.262	101.690
10/26/2007	10/26/2017	1/26/2012	3.390	120.018	120.018	117.602	112.742	108.627	105.341	102.873	101.148
10/29/2007	10/29/2012	1/30/2012	3.990	103.358	103.358	103.358	103.070	102.239	101.435	100.710	100.190
11/2/2007	11/3/2014	2/2/2012	3.990	111.504	111.504	111.504	109.462	106.774	104.443	102.568	101.174
11/2/2007	11/3/2014	2/2/2012	4.190	112.080	112.080	112.080	110.028	107.308	104.928	102.967	101.484
11/5/2007	11/5/2014	2/6/2012	3.990	111.526	111.526	111.526	109.477	106.783	104.448	102.566	101.166
11/5/2007	11/6/2017	11/5/2012	4.390	126.058	126.058	123.359	118.014	113.337	109.415	106.217	103.656
11/6/2007	11/6/2017	2/6/2012	3.480	120.656	120.656	118.171	113.264	109.095	105.749	103.210	101.408
11/9/2007	11/10/2014	2/9/2012	4.330	112.568	112.568	112.568	110.481	107.722	105.293	103.269	101.710
11/13/2007	11/13/2012	2/13/2012	3.680	103.250	103.250	103.250	102.940	102.070	101.243	100.541	100.070
11/13/2007	11/13/2014	2/13/2012	3.350	109.751	109.751	109.751	107.718	105.126	102.991	101.385	100.383
11/19/2007	11/19/2014	2/21/2012	4.270	112.501	112.501	112.501	110.381	107.607	105.170	103.144	101.590
11/19/2007	11/19/2014	2/21/2012	3.750	110.978	110.978	110.978	108.891	106.202	103.912	102.110	100.834
11/19/2007	11/19/2014	2/21/2012	3.750	110.978	110.978	110.978	108.891	106.202	103.912	102.110	100.834
11/19/2007	11/20/2017	11/19/2012	4.290	125.631	125.631	122.314	116.108	110.608	106.299	103.310	101.237
11/20/2007	11/20/2017	2/21/2012	3.740	122.345	122.345	119.714	114.645	110.285	106.743	103.970	101.943
11/23/2007	11/24/2017	2/23/2012	3.990	123.883	123.883	120.547	114.330	108.406	102.836	97.595	92.664
11/23/2007	11/24/2017	2/23/2012	3.990	123.883	123.883	120.547	114.330	108.406	102.836	97.595	92.664
11/29/2007	11/29/2017	2/29/2012	2.950	117.698	117.698	115.266	110.648	106.790	103.835	101.714	100.428
11/30/2007	11/30/2017	2/29/2012	3.190	119.147	119.147	116.626	111.858	107.837	104.681	102.357	100.826
12/7/2007	12/7/2012	3/7/2012	3.450	103.277	103.277	103.277	102.930	101.999	101.134	100.445	99.998
12/10/2007	12/11/2017	3/12/2012	3.450	120.813	120.813	118.170	113.230	109.041	105.687	103.149	101.360
12/11/2007	12/11/2012	3/12/2012	3.760	103.614	103.614	103.614	103.260	102.314	101.418	100.654	100.115
12/20/2007	12/20/2012	12/21/2009	3.750	103.698	103.698	103.698	103.330	102.356	101.401	100.464	99.544
12/20/2007	12/20/2012	3/20/2012	3.600	103.550	103.550	103.550	103.182	102.214	101.303	100.551	100.036
12/24/2007	12/26/2017	12/24/2012	3.990	124.238	124.238	120.674	114.486	109.190	105.299	102.581	100.697
12/26/2007	12/26/2012	3/26/2012	3.960	103.971	103.971	103.971	103.593	102.605	101.662	100.833	100.218
12/26/2007	12/26/2012	3/26/2012	3.460	103.469	103.469	103.469	103.093	102.110	101.195	100.462	99.970
1/2/2008	1/2/2013	4/2/2012	3.490	103.567	103.567	103.567	103.180	102.179	101.253	100.515	100.096
1/3/2008	1/5/2015	4/3/2012	3.650	111.162	111.162	111.162	108.909	106.156	103.843	102.054	100.806
1/4/2008	1/4/2018	1/4/2012	3.360	120.494	120.494	117.775	112.853	108.705	105.407	102.944	101.237
1/7/2008	1/7/2013	1/9/2012	2.990	103.098	103.098	103.098	102.703	101.699	100.817	100.188	99.976
1/7/2008	1/7/2013	1/9/2012	3.590	103.719	103.719	103.719	103.323	102.307	101.358	100.583	100.119
1/7/2008	1/7/2015	1/9/2012	3.490	110.692	110.692	110.692	108.446	105.722	103.464	101.743	100.580
1/7/2008	1/8/2018	1/9/2012	2.590	115.826	115.826	113.395	108.990	105.414	102.762	101.022	100.182
1/8/2008	1/8/2013	1/9/2012	3.150	103.272	103.272	103.272	102.875	101.864	100.962	100.276	99.984
1/8/2008	1/8/2018	1/9/2012	2.570	115.704	115.704	113.281	108.891	105.331	102.699	100.984	100.167
1/8/2008	1/8/2018	1/9/2012	2.640	116.132	116.132	113.676	109.233	105.614	102.914	101.114	100.217
1/11/2008	1/11/2018	1/11/2012	2.720	116.643	116.643	114.138	109.629	105.938	103.160	101.262	100.269
1/14/2008	1/16/2018	1/17/2012	3.240	119.870	119.870	117.130	112.261	108.173	104.957	102.582	100.972
1/16/2008	1/16/2013	1/17/2012	2.550	102.706	102.706	102.706	102.297	101.288	100.466	100.035	99.934
1/16/2008	1/16/2018	1/17/2012	2.380	114.596	114.596	112.228	107.987	104.571	102.143	100.614	100.003
1/17/2008	1/17/2018	1/17/2012	2.250	113.805	113.805	111.501	107.373	104.076	101.786	100.409	99.919
1/18/2008	1/18/2013	1/18/2012	2.550	102.720	102.720	102.720	102.308	101.293	100.467	100.033	99.930
1/18/2008	1/20/2015	1/18/2012	2.350	107.284	107.284	107.284	105.155	102.787	101.091	100.180	99.920
1/18/2008	1/18/2018	1/18/2012	2.290	114.056	114.056	111.726	107.560	104.224	101.891	100.452	99.934

Start Date	Maturity	Next Call	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
	Date	Date									
1/24/2008	1/24/2012	1/24/2012	2.440	100.163	100.163	100.163	100.157	100.092	100.028	99.963	99.899
1/24/2008	1/24/2013	1/24/2012	2.500	102.708	102.708	102.708	102.287	101.258	100.431	100.009	99.903
1/25/2008	1/25/2013	1/26/2009	2.250	102.443	102.443	102.443	102.021	100.955	99.906	98.873	97.857
1/25/2008	1/25/2013	1/25/2012	2.650	102.878	102.878	102.878	102.454	101.386	100.334	99.300	98.281
1/28/2008	1/28/2013	1/28/2012	2.990	103.272	103.272	103.272	102.843	101.764	100.702	99.656	98.626
1/30/2008	1/30/2013	1/30/2012	2.670	102.937	102.937	102.937	102.506	101.452	100.562	100.064	99.893
2/7/2008	2/7/2013	2/7/2012	2.490	102.794	102.794	102.794	102.351	101.292	100.452	100.009	99.843
2/13/2008	2/13/2013	2/13/2012	2.920	103.325	103.325	103.325	102.871	101.770	100.820	100.173	99.883
2/14/2008	2/14/2018	2/14/2012	3.190	119.821	119.821	115.924	109.603	103.796	100.764	100.051	99.893
2/19/2008	2/19/2013	2/19/2010	2.590	102.993	102.993	102.993	102.529	101.386	100.262	99.156	98.066
2/25/2008	2/25/2013	2/25/2012	3.090	103.622	103.622	103.622	103.147	101.983	100.838	99.711	98.601
2/25/2008	2/26/2018	2/27/2012	2.420	115.117	115.117	112.557	108.242	104.757	102.254	100.684	99.915
3/7/2008	3/9/2015	3/7/2012	2.890	109.343	109.343	109.343	106.939	104.289	102.223	100.828	100.043
3/7/2008	3/7/2018	3/7/2013	3.550	122.265	122.265	119.177	114.066	109.719	106.192	103.377	101.107
3/10/2008	3/11/2013	3/12/2012	2.390	102.894	102.894	102.894	102.400	101.271	100.412	99.936	99.674
3/12/2008	3/12/2013	3/12/2012	2.010	102.440	102.440	102.440	101.947	100.868	100.145	99.803	99.590
3/14/2008	3/14/2018	3/14/2012	2.400	115.098	115.098	112.499	108.189	104.723	102.243	100.697	99.898
3/17/2008	3/18/2013	3/19/2012	2.690	103.310	103.310	103.310	102.802	101.630	100.660	100.051	99.720
3/17/2008	3/17/2015	3/17/2012	2.620	108.529	108.529	108.529	105.877	102.669	99.574	96.589	93.710
3/17/2008	3/19/2018	3/18/2013	3.300	120.807	120.807	117.751	112.764	108.570	105.207	102.538	100.398
3/28/2008	3/28/2013	3/28/2012	2.820	103.548	103.548	103.548	103.022	101.775	100.549	99.344	98.158
3/28/2008	3/28/2013	3/28/2012	2.800	103.523	103.523	103.523	102.997	101.750	100.525	99.319	98.133
3/28/2008	3/28/2018	3/28/2012	2.770	117.534	117.534	114.676	110.037	106.232	103.353	101.358	100.178
3/28/2008	3/28/2018	3/28/2012	2.020	112.786	112.786	110.377	106.391	103.290	101.199	100.063	99.556
4/14/2008	4/14/2015	1/14/2012	2.750	109.166	109.166	109.166	106.364	103.074	99.903	96.847	93.900
4/28/2008	4/28/2015	1/30/2012	3.250	110.959	110.959	110.959	108.277	105.422	103.108	101.389	100.340
4/28/2008	4/30/2018	1/30/2012	2.150	113.806	113.806	111.181	107.052	103.789	101.545	100.283	99.850
4/30/2008	4/30/2018	4/30/2013	3.740	124.017	124.017	119.541	113.323	108.392	104.683	102.027	100.016
5/2/2008	5/4/2015	2/2/2012	3.990	113.521	113.521	113.521	110.715	107.668	105.065	102.977	101.428
5/5/2008	5/5/2015	2/6/2012	3.170	110.751	110.751	110.751	108.060	105.234	102.968	101.316	100.329
5/8/2008	5/8/2015	2/8/2012	2.960	110.063	110.063	110.063	107.398	104.640	102.472	100.968	100.124
5/19/2008	5/19/2015	5/21/2012	4.700	116.123	116.123	116.123	113.059	109.566	106.204	103.132	100.862
5/23/2008	5/23/2013	2/23/2012	4.040	105.712	105.712	105.712	105.083	103.682	102.378	101.265	100.457
5/23/2008	5/23/2018	2/23/2012	3.270	121.208	121.208	117.847	112.796	108.567	105.230	102.755	101.071
5/27/2008	5/28/2013	5/27/2011	3.490	104.983	104.983	104.983	104.347	102.926	101.531	100.161	98.816
6/6/2008	6/6/2013	3/6/2012	3.990	105.796	105.796	105.796	105.142	103.690	102.266	100.867	99.495
6/10/2008	6/11/2012	6/10/2010	3.940	101.784	101.784	101.784	101.681	101.232	100.787	100.346	99.908
6/16/2008	6/17/2013	3/16/2012	4.070	106.037	106.037	106.037	105.362	103.878	102.422	100.994	99.593
6/24/2008	6/24/2015	3/26/2012	3.830	113.521	113.521	113.521	110.483	107.374	104.749	102.672	101.154
6/30/2008	7/1/2013	3/30/2012	2.920	104.445	104.445	104.445	103.752	102.307	101.102	100.269	99.791
6/30/2008	7/1/2013	3/30/2012	3.450	105.251	105.251	105.251	104.554	103.074	101.759	100.730	100.052
6/30/2008	6/30/2015	3/30/2012	3.370	111.953	111.953	111.953	108.962	105.980	103.562	101.745	100.542
6/30/2008	7/2/2018	3/30/2012	3.690	124.342	124.342	119.380	112.592	106.182	100.189	94.584	89.340
7/1/2008	7/1/2015	1/1/2012	4.600	116.329	116.329	116.329	113.016	109.405	105.931	102.589	99.373
7/7/2008	7/8/2013	1/7/2012	4.590	107.076	107.076	107.076	106.359	104.810	103.291	101.801	100.341
7/8/2008	7/8/2013	1/8/2012	4.250	106.552	106.552	106.552	105.836	104.291	102.776	101.291	99.834
7/10/2008	7/10/2014	7/10/2012	4.800	112.293	112.293	112.293	110.616	108.010	105.488	103.185	101.088
7/11/2008	7/11/2018	7/11/2012	3.750	124.831	124.831	119.795	113.014	107.258	103.276	101.142	100.037
7/14/2008	7/14/2015	7/15/2013	4.900	117.571	117.571	117.571	114.183	110.591	107.135	103.729	100.298
7/14/2008	7/16/2018	1/17/2012	2.500	116.589	116.589	113.433	108.917	105.286	102.628	100.911	100.115
7/14/2008	7/16/2018	1/17/2012	3.250	121.566	121.566	117.965	112.864	108.610	105.262	102.784	101.088
7/17/2008	7/17/2018	7/17/2013	3.750	124.894	124.894	119.820	113.648	108.732	105.011	102.224	99.989
7/21/2008	7/22/2013	1/23/2012	3.000	104.741	104.741	104.741	104.005	102.437	100.900	100.045	99.939
8/15/2008	8/15/2018	2/15/2012	3.830	125.734	125.734	121.697	116.194	111.494	107.677	104.679	102.460
8/19/2008	8/19/2013	8/19/2010	3.440	105.704	105.704	105.704	104.910	103.259	101.643	100.059	98.508
9/8/2008	9/9/2013	3/8/2012	2.890	104.961	104.961	104.961	104.133	102.526	101.213	100.335	99.868
5/13/2009	5/13/2014	5/13/2013	4.000	109.599	109.599	109.599	108.093	105.469	102.570	99.621	96.978
9/28/2009	9/30/2013	9/28/2012	2.920	105.183	105.183	105.172	104.068	101.865	99.911	98.408	97.337
5/11/2010	5/11/2015	5/11/2015	3.700	112.610	112.610	112.610	109.435	105.412	100.913	96.041	91.269
5/24/2010	5/26/2015	2/24/2012	2.250	107.762	107.762	107.762	104.747	101.375	98.738	98.129	95.005
6/15/2010	6/15/2015	3/15/2012	2.280	107.992	107.992	107.992	104.862	101.436	99.142	98.140	94.969