

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
7/1/2008	7/1/2015	10/1/2011	4.600	118.284	118.284	115.954	111.850	107.894	104.104	100.471	96.988
7/7/2008	7/8/2013	10/7/2011	4.590	109.026	109.026	109.026	107.170	105.204	103.285	101.410	99.579
7/8/2008	7/8/2013	10/8/2011	4.250	108.358	108.358	108.358	106.506	104.547	102.634	100.766	98.941
7/10/2008	7/10/2014	7/10/2012	4.800	114.333	114.333	113.699	110.627	107.650	104.877	102.368	100.084
7/11/2008	7/11/2018	7/11/2012	3.750	126.425	120.551	113.415	107.615	103.962	101.865	100.515	99.475
7/14/2008	7/14/2015	7/15/2013	4.900	119.653	119.653	117.241	113.151	109.444	106.010	102.463	98.821
7/14/2008	7/16/2018	10/14/2011	2.500	117.651	113.937	109.408	105.511	102.691	100.886	100.016	99.664
7/14/2008	7/16/2018	10/14/2011	3.250	122.947	118.697	113.518	108.981	105.422	102.811	101.058	100.095
7/17/2008	7/17/2018	7/17/2013	3.750	126.488	120.561	114.074	109.115	105.465	102.622	100.283	98.223
7/21/2008	7/22/2013	10/21/2011	3.000	106.016	106.016	106.016	104.121	102.152	100.569	99.980	99.725
8/15/2008	8/15/2018	8/15/2011	3.830	127.361	122.579	116.967	111.984	107.934	104.787	102.466	100.922
8/19/2008	8/19/2013	8/19/2010	3.440	107.166	107.166	107.166	105.143	103.087	101.082	99.127	97.218
9/8/2008	9/9/2013	9/8/2011	2.890	106.189	106.189	106.189	104.111	102.251	100.873	100.099	99.869
5/13/2009	5/13/2014	5/13/2013	4.000	111.299	111.299	110.835	107.994	105.227	102.112	98.531	94.912
9/28/2009	9/30/2013	9/28/2012	2.920	106.423	106.423	106.423	104.138	101.488	98.958	96.918	95.354
5/11/2010	5/11/2015	5/11/2015	3.700	114.182	114.182	112.162	107.926	103.497	98.639	93.441	87.983
5/24/2010	5/26/2015	8/24/2011	2.250	108.718	108.718	106.634	102.795	99.105	95.568	93.292	92.949
6/15/2010	6/15/2015	9/15/2011	2.280	108.961	108.961	106.762	102.867	99.126	98.705	95.542	94.361